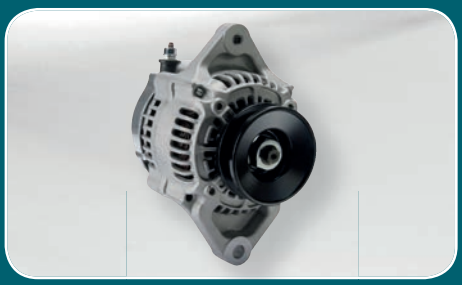
HC CAR GO

AGRICULTURAL MACHINERY

2015/2016



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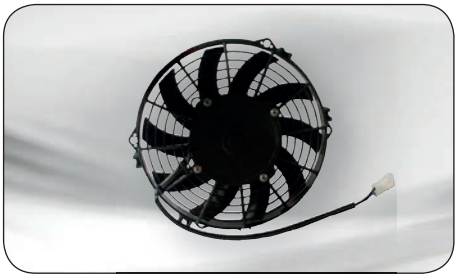
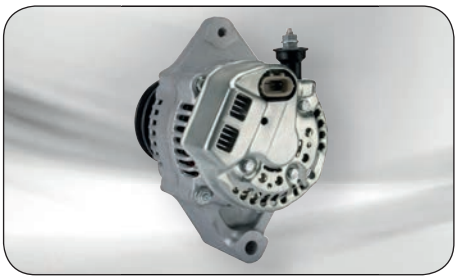
AGRICULTURAL MACHINERY



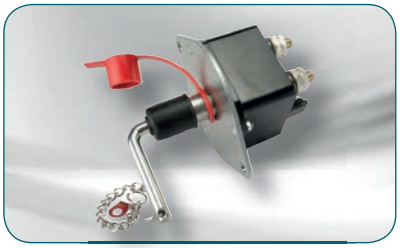


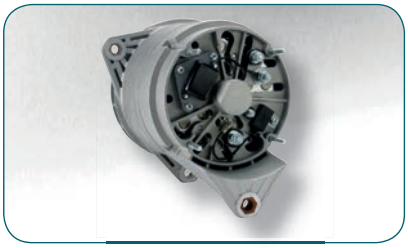
Edition 2015/2016

ISO 9001
BUREAU VERITAS
Certification

You can easily find our complete and up-to-date spare parts program at our web-catalogue at:

www.hc-cargo.com





Our Product Range - Your Customer Satisfaction

In this catalogue we offer you an overview of selected parts and accessories for **agricultural machineries**. We offer a broad range in many ways. Therefore you will find all the electrical parts you need to repair agricultural applications. From spare parts for starters and alternators to the units themselves, A/C compressors, lighting products and many other auto-electrical spare parts.

With the HC-CARGO program you have an one-stop-supplier opportunity regarding electrical parts.

New classification - Starters and Alternators

In the present edition the starters and alternators you find in the first part of the catalogue.
They are divided after vehicle manufacturers, so you easily can find the units suitable for the specific vehicle you need to repair.

The second part is dedicated to spare parts, A/C compressors, lighting etc.

High Quality Guarantee

Via thorough tests in our quality department our engineers test units, components, parts etc. in terms of interaction, perfect fit and easy installation before the products are approved and released for sale. This procedure ensures that we keep the high quality that you can promise to your customers.

Our Spare Parts for Starters and Alternators – All You Need

Most spare part dealers offer only specialized programs. We have decided to have a broad product range to meet the demands of workshops in the best possible way. We cover virtually all you require to get your vehicle running. You will find all you need in:

- Rotors
- Stators
- Regulators
- Rectifiers
- Brush Sets
- Pulleys
- Drives/Clutches
- Solenoids
- Armatures
- Etc.

The above spare parts you will find in our starter and alternator components catalogues.

For full program overview and online-shop visit www.hc-cargo.com

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ABBREVIATIONS:

AC=Air Condition, **Alu**=Aluminium, **A**=Ampere, **AT**=Automatic Transmission, **Cat.**=Catalyzer, **Ch.**=Chassis, **Cyl.**=Cylinder, **CW**=Clockwise rotation, **Eur.**=European application, **FWD.**=Front Wheel Drive, **H**=Hight, **HD**=Heavy Duty construction, **HP**=Horse Power, **ID**=Inner Diameter, **kW**=Kilowatt, **L**=Length, **LHD**=Left Hand Drive, **LL.**=Lead Length, **M**=Minimum supply, **MT**=Manual Transmission, **m**=Metre, **OD**=Outer Diameter, **O.E.**=Original Equipment, **PS**=Power Steering, **RHD**=Right Hand Drive, **Th.**=Thickness, **V**=Volt, **W/**=With, **W/o**=Without, **W**=Watt, **4WD.**=Four Wheel Drive, [ ]=Eng. no., 3(2)=Number of fixing holes-number in bracket represent threaded holes.

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Care is taken to ensure the accuracy of descriptions and applications of each item, but CAR GO assumes no responsibility for possible errors. O.E.M. names and numbers are used for reference purposes only.
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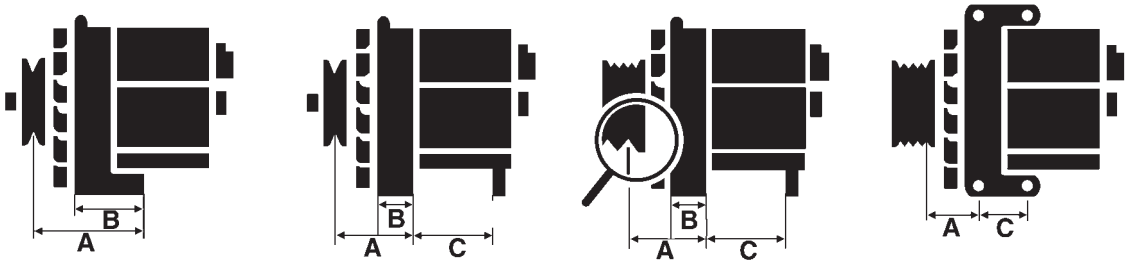
Alternators

A: Pulley distance, B: Width of holder arm, C: Mounting bracket distance



Remarks: Serpentine pulley

Threaded fixing holes

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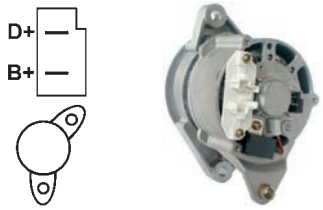
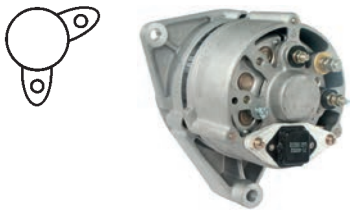
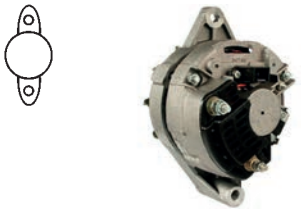
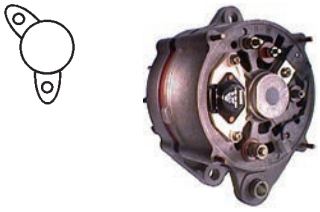
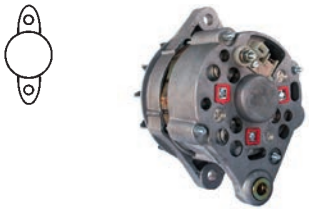
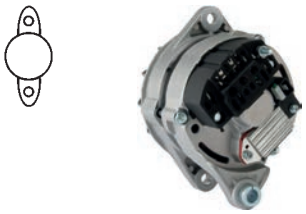
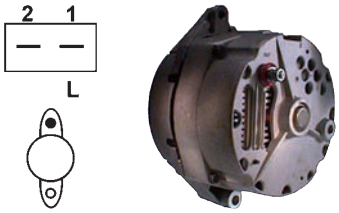
AGRIFULL

	HC-CARGO	Model		Replacing	Information
	**110899**	Various Models		0120300569, 0120300568, 0120300559, 0120300558, 0120300529, 0120300528, 63362006, 63362004, 63362003, 63300506	**Voltage:** 14 **Ampere:** 33 **B+:** Plug **Pulley:** P **Grooves:** 1 **Fan:** EF **A:** 48.45 **B:** 24.00 **C:** 74.00 *Regulator: HC-CARGO 130675.*
	**111662**	Various Models		0120339536, 0120339521, AAG1341, AAG1340, AAG1338, AAG1314, 11.201.507, 11.201.502, 11.201.500, 11.201.115, 9513053	**Voltage:** 14 **Ampere:** 33 **B+:** M6 **Terminal:** W **Pulley:** w/o **Fan:** EF **B:** 56.00

ALLIS CHALMERS

	HC-CARGO	Model		Replacing	Information
	**110639#**	300	310, 340, 350	DM91134, DM1132, DM1130	**Voltage:** 14 **Ampere:** 36 **B+:** M6 **Pulley:** P **Grooves:** 1 **Fan:** EF **A:** 91.00 **B:** 60.75 *Regulator: HC-CARGO 130017.*
	**111419**	FD, FL	Various Models (FD 3,5,7,9,10), Various Models (FL 4,7,8,9,10,14,20)	0120469890, 0120469634, 0120469549, AAK4507, 11.201.555, 2541423	**Voltage:** 28 **Ampere:** 55 **B+:** M8 **Terminal:** W **Pulley:** DP **Grooves:** 2 **Fan:** EF **A:** 50.00 **B:** 17.45 **C:** 63.00
	**110611**	FL	Various Models (FL 4,7,8,9,10,14,20)	A124N, 3370000, ALB40-86, ALB40-68, 63304800, 63303500, 63303192, 63303191, 63303150, 63303140, 63303130, 63303120, 63303110, 63303100, 19025037	**Voltage:** 14 **Ampere:** 44 **B+:** M6 **Pulley:** P **Grooves:** 1 **Fan:** EF **A:** 46.00 **B:** 17.00 **C:** 61.00 *Regulator: HC-CARGO 130613.*
	**112097**	FL	Various Models (FL 4,7,8,9,10,14,20)	0120489796, 0120489795, 0120489794, 0120489793, 0120489792, 0120489639, 0120489638, 0120489612	**Voltage:** 28 **Ampere:** 30 **B+:** M6 **Pulley:** P **Grooves:** 1 **Fan:** w/o **A:** 45.00 **B:** 17.00 **C:** 63.00
	**111713**	Various Models		321-667, 1105609, 1105579, 1105560, 1105540, 1105539, 1105538, 1105536, 1105535, 1105418, 1102551	**Voltage:** 14 **Ampere:** 105 **B+:** M6 **Pulley:** P **Grooves:** 1 **Fan:** EF **A:** 77.00 **B:** 50.70 *Replacing: 15SI.*

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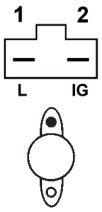
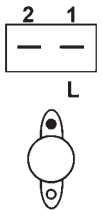
	HC-CARGO	Model		Replacing	Information
	112260#	Various Models		321-603, 1105470, 1105469, 1105467, 1105465, 1105464, 1105463, 1105462, 1105460, 1102553, 1101289	**Voltage:** 14 **Ampere:** 80 **B+:** M5 **Pulley:** w/o **Fan:** w/o **B:** 12.60 **C:** 103.45 *Replacing: 27SI.* *Negative grounding.*

CASE

	HC-CARGO	Model		Replacing	Information
	111843	100 Series	110, 120, 135	F005A00024, 9120060041, 6033G2019B, 0120484218, 0120484050, 0120484026, 0120484018, 0120484011, AAK5304, AAK5165, AAK4831, AAK4307, AAK1815, AAG5118, 11.204.396, 11.203.660, 11.203.268, 9515180, 9513160	**Voltage:** 14 **Ampere:** 95 **B+:** M8 **Terminal:** W **Pulley:** w/o **Fan:** w/o **B:** 51.00 *B- M8.*
	111888	100 Series	110, 120, 135	F005A00023, 0120489475, 0120488293, 0120488205, AAK3330, AAK1363, 11.201.935, 11.201.595, 9515170	**Voltage:** 14 **Ampere:** 65 **B+:** M8 **Terminal:** W **Pulley:** SP **Grooves:** 8 **Fan:** EF **A:** 81.00 **B:** 50.60
	113552	100 Series, Various Models	170 CBX	9515122, 9515112	**Voltage:** 14 **Ampere:** 120 **B+:** M8 **Terminal:** W **Pulley:** DP **Grooves:** 2 **Fan:** EF **A:** 77.00 **B:** 50.80
	110641	300 Series, 400 Series, 1000 Series	321, 421, 1000	0120339552, 0120339531, 0120339514, 0120300514, AAG1328, AAG1315, AAG1311, AAG1301, 11.201.501, 11.201.372, 11.201.096, 11.201.027, 24171, 9515311, 9515310	**Voltage:** 14 **Ampere:** 33 **B+:** M6 **Terminal:** W **Pulley:** P **Grooves:** 1 **Fan:** EF **A:** 76.30 **B:** 56.00
	110077	300 Series, 400 Series, 500 Series	321, 431, 531, 554	0120339525, 0120339524, 0120300531, 0120300530, 860150, 858885, 510-249, 2927990	**Voltage:** 14 **Ampere:** 50 **B+:** M6 **Pulley:** P **Grooves:** 1 **Fan:** EF **A:** 78.50 **B:** 56.00
	**110508**	400 Series	485	321-1015, 1979859, 1979858, 1979857, 1105708, 1105707, 1105706, 1105705, 1105704, 1105703, 1105692	**Voltage:** 14 **Ampere:** 78 **B+:** M6 **Pulley:** P **Grooves:** 1 **Fan:** EF **A:** 77.00 **B:** 50.50 *Replacing: 12SI.*
	**111713**	400 Series	485	321-667, 1105609, 1105579, 1105560, 1105540, 1105539, 1105538, 1105536, 1105535, 1105418, 1102551	**Voltage:** 14 **Ampere:** 105 **B+:** M6 **Pulley:** P **Grooves:** 1 **Fan:** EF **A:** 77.00 **B:** 50.70 *Replacing: 15SI.*

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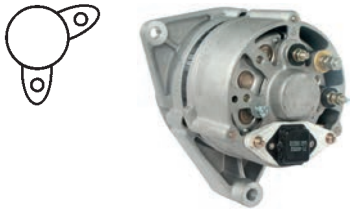
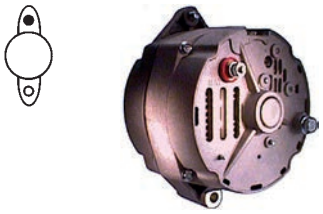
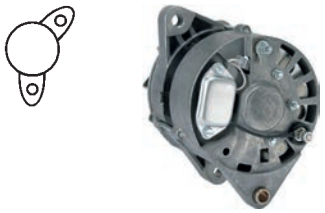
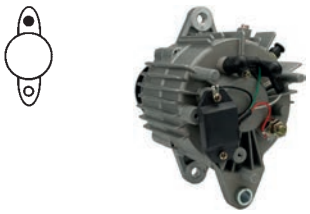
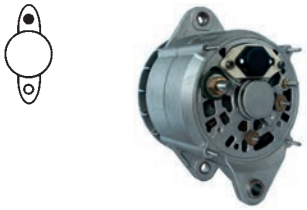
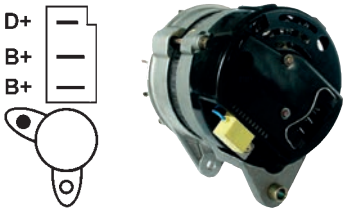
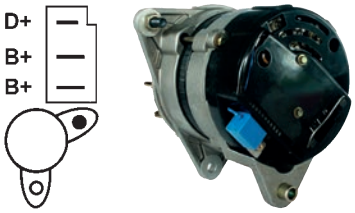
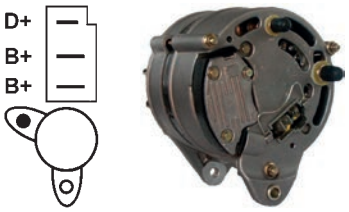
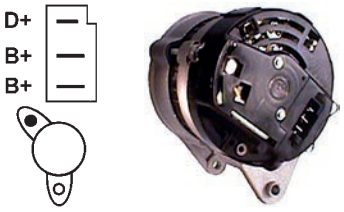
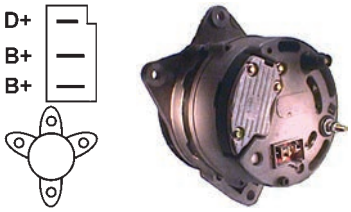
CASE

	HC-CARGO	Model		Replacing	Information
	112170	400 Series, 1000 Series	455, 1150, 1150 (E)	0120489481, 0120489071, 0120488294, 0120488206, AAK3336, AAK1387, 11.201.941, 11.201.759	**Voltage:** 28 **Ampere:** 45 **B+:** M8 **Terminal:** W **Pulley:** w/o **Fan:** EF **B:** 51.00 *Dust proof.*
	**111662**	400 Series, 500 Series	433, 533	0120339536, 0120339521, AAG1341, AAG1340, AAG1338, AAG1314, 11.201.507, 11.201.502, 11.201.500, 11.201.115, 9513053	**Voltage:** 14 **Ampere:** 33 **B+:** M6 **Terminal:** W **Pulley:** w/o **Fan:** EF **B:** 56.00
	**110952**	500 Series, 600 Series, 1000 Series	580 (C,D), 680, 1450	1105537, 1105510, 1103123, 1103031, 1102919, 1102918, 1101204	**Voltage:** 28 **Ampere:** 40 **B+:** M5 **Terminal:** W **Pulley:** P **Grooves:** 1 **Fan:** EF **A:** 75.55 **B:** 50.70 *Replacing: 10SI.*
	**111035**	600 Series	650 HD (Yumbo)	0120489188, 0120489187, 0120489186, 0120489126, AAK3538, AAK3529, AAK1175, AAK1172, AAK1171, AAK1163, AAK1123, AAG0403, 11.201.432, 11.201.405, 54022240, 54022171, 24214A, 24214, 24213A, 24213, 24203, 63505101, 63321154, 63321005, 63321003, 63320130, 63320056, 63320028, 63320004, 63307431, 63307401, 9516714, A2T32171, A002T32171, 19025789, 19025787, 19025051, A13E26, A13E25, 2541236, 2541235	**Voltage:** 14 **Ampere:** 65 **B+:** M6 **Terminal:** W **Pulley:** P **Grooves:** 1 **Fan:** EF **A:** 51.25 **B:** 22.00 **C:** 73.00
	**110427**	800 Series, 1000 Series	850, 1150, 1450	ANB7004, ANB7003, ANB7002, ANB7001, ANB6004, ANB6002, ANB6001, 51-212, 51-178	**Voltage:** 28 **Ampere:** 22 **B+:** M12 **Pulley:** DP **Grooves:** 2 **Fan:** w/o **A:** 83.30 **B:** 15.50 **C:** 102.19
	**112493**	800 Series, W	821B, W20E	0120468147, 0120468054, 860568	**Voltage:** 28 **Ampere:** 65 **B+:** M12 **Terminal:** W **Pulley:** w/o **Fan:** EF **B:** 14.00 **C:** 100.00
	112098	900 Series, 1000 Series	956 (XL), 1056	0120489711, 0120489710, 0120489294, 0120489022, 0120488233, 0120488138, 0120488134, 0120400845, AAK4351, AAK4313, AAK3547, AAK1370, AAK1182, 11.203.415, 11.203.301, 11.201.499, 11.201.444, 9516693, 9515010, 9513031, 443113516693, 443113516690	**Voltage:** 14 **Ampere:** 65 **B+:** M6 **Terminal:** W **Pulley:** P **Grooves:** 1 **Fan:** EF **A:** 77.00 **B:** 56.00

O.E.M. names and numbers are used for reference purposes only.

CASE

	HC-CARGO	Model		Replacing	Information
	**110178**	1000 Series	1210, 1212, 1410	9120331913, 9120331901, 9120331502, 0120389503, 0120389502, 0120339510, 0120339509, 0120339506, 516011, ALT12N-39, ALT12N-14, ALT12N-11, ALP12N-2, 77FB10300FB, 77FB10300FA, 76BB10300ED, 76BB10300EA, 74DB10436A, 69EB10346AD, 5003897, 1537179, AAK4116, AAG1111, 11.201.272, 11.201.067, 54022165, 54022083, 54022032, 54022017, 54022006, 54021993, 54021918, 54021917, 54021898, 54021868, AH2140B14, 9AR2916F, 9AR2916, 9AR2915F, 510-105, 510-104, 2541194, 29409930, 2523234	**Voltage:** 14 **Ampere:** 36 **B+:** 9.40 **Pulley:** w/o **Fan:** EF **B:** 10.00 **C:** 87.00
	**110179**	1000 Series	1290, 1390, 1690	86BB10300DB, 86AB10300DA, 54022084, 54022011, 54021985, 54021845, 54021810, 54021493, 24180, 24153, 24141, 24133, 24108, 9AR5019, 9AR2877, 9AR2603G, 9AR2603F, 9AR2603, 8HA2009KA	**Voltage:** 14 **Ampere:** 36 **B+:** 9.40 **Pulley:** w/o **Fan:** EF **B:** 9.75 **C:** 88.00 *For pulley w/ 17.00 mm bore use bushing: HC-CARGO 134894.*
	**110968**	1000 Series	1394, 1494, 1594	858787, ALT2N-14, ALT12N-2, ALT12N-13, ALF12-18, AAK1333, AAK1133, 11.201.470, NAB300, 66021113, 60921030, 60921029, 60210167, 60210165, 60210164, 60210163, 60210158, 60021066, AH2040C4, 9AR5060, 9AR2960F, 9AR2841, 9AR2705G, 9AR2705, 9AR2699G, 9AR2683G, 9AR2683, 9AR2654G, 9AR2650D, 9AR2699	**Voltage:** 14 **Ampere:** 70 **B+:** M6 **Pulley:** P **Grooves:** 1 **Fan:** EF **A:** 34-43 **B:** 11.00 **C:** 82.00
	**111185**	1000 Series	1190, 1194, 1290	54021350, 26921046, 26021235, 24185, 24181A, 24134A, 24134, 24099A, 24099, 24082, 24065A, 24065, 9AR2918G, 9AR2918	**Voltage:** 14 **Ampere:** 43 **Pulley:** w/o **Fan:** IF **B:** 9.80 **C:** 81.00 *As HC-CARGO 114796, but w/o pulley*
	**111204**	1000 Series	1394, 1494, 1594	NAB905, 24166, 24017, 24016, 24014, 23999, 23991, 23986A, 23986	**Voltage:** 14 **Ampere:** 70 **B+:** M6 **Pulley:** P **Grooves:** 1 **Fan:** EF **A:** 54.15 **B:** 27.00 *w/ mounting bearing bracket for left and right engine side.*

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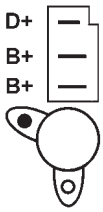
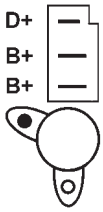
CASE

	HC-CARGO	Model		Replacing	Information
	**113574**	1000 Series	1394, 1494, 1594	0120489959, 0120489958, 81DB10300BB, 81DB10300BA, 6173461, AAK4118, 11.201.276, 24049B, 24049A, 24049, 23680, 9AR2963L, 9AR2963, 9AR2919P, 9AR2919, NA066	**Voltage:** 14 **Ampere:** 65 **B+:** Plug **Terminal:** W **Pulley:** P **Grooves:** 1 **Fan:** EF **A:** 36.85 **B:** 10.40 **C:** 83.00
	113999	2000 Series	2144, 2155, 2166	AAN8151, AAN5771, AAN5701, AAN5502, AAN5318, AAN5155, AAN5138, 11.204.239, 11.204.159, 11.203.870	**Voltage:** 14 **Ampere:** 150 **B+:** M8 **Terminal:** W **Pulley:** w/o **Fan:** IF Not Insulated return **B:** 13.87 **C:** 103.27 *w/o pulley.*
	112773	2000 Series	2144	120468055	**Voltage:** 14 **Ampere:** 135 **B+:** 7/16" UNC **Terminal:** W **Pulley:** w/o **Fan:** EF **B:** 14.22 **C:** 100.00
	**111289**	4000 Series	4200	9120331872, 9120331864, 9120331854, 0120489957, 0120489896, 0120489895, 0120489889, 0120489844, ALS12N-75, ALS12N-72, ALS12N-51, R72GB10346NA, 89AX10300HA, 89AX10300EA, 89AB10300HA, 89AB10300GB, 89AB10300GA, 89AB10300EB, AAK4524, AAK4520, AAK4519, AAK4513, AAK4135, AAK3590, AAK1358, AAK1114, 11.201.676, 11.201.579, 61920314, 61920311, 54022620, 54022572, 54022243, 54022147, 54021921, 54021919, 24318, 24199, 24181, 943358010, 943356639, 943356633, 63358020, 63358010, 9516742, 9516740, 9516709, 9515734, A5T31774, A5T31773, A5T31772, A5T31372, A005T31774, A005T31773, A005T31772, A005T31372, 9AR5092K, 9AR5022G, 9AR5022, 9AR2978, 9AR2843G, 9AR2707G, 9AR2703, 9AR2701, 9AR2700G, 9AR2700, 2950220, 2940981, 2929780, 2927070	**Voltage:** 14 **Ampere:** 70 **B+:** 9.40 **Terminal:** W **Pulley:** P **Grooves:** 1 **Fan:** EF **A:** 35.00 **B:** 12.50 **C:** 80.00
	114384	Farm	JX70U, JX80U, JX90U, JX100U	63321744	**Voltage:** 14 **Ampere:** 85 **B+:** M6 **Terminal:** W **Pulley:** w/o **Fan:** IF **B:** 17.00 **C:** 63.40

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CASE

	HC-CARGO	Model		Replacing	Information
	114469	Magnum	305	AAN5702, 11.203.720, 11.203.191	**Voltage:** 14 **Ampere:** 175 **B+:** M8x1.25 **Pulley:** w/o **Fan:** IF **B:** 13.00 **C:** 101.00 *Dust proof.*
NEW PRODUCT www.hc-cargo.com	**114450***	Tractors	Farmall	AAK4314, AAK1832, 11.204.484, 11.204.327, 11.203.714, 11.203.302	**Voltage:** 14 **Ampere:** 120 **Pulley:** SP **Grooves:** 8 **Fan:** EF
	110300	Various Models		321-654, 1105476, 1105475, 1105474, 1100274, 1100211, 1100093, 1100077, 10463160	**Voltage:** 28 **Ampere:** 65 **B+:** M6 **Terminal:** W **Pulley:** w/o **Fan:** EF **B:** 11.90 **C:** 103.00 *Replacing: 27SI.* *Shaft dia. 22.00 mm.* *Fan: HC-CARGO 131854.*
	110504	Various Models		1105073, 1102875, 1100589	**Voltage:** 14 **Ampere:** 90 **B+:** M6 **Terminal:** W **Pulley:** w/o **Fan:** EF **B:** 51.00 *Same as HC-CARGO 110505 (75 A).*
	112260#	Various Models		321-603, 1105470, 1105469, 1105467, 1105465, 1105464, 1105463, 1105462, 1105460, 1102553, 1101289	**Voltage:** 14 **Ampere:** 80 **B+:** M5 **Pulley:** w/o **Fan:** w/o **B:** 12.60 **C:** 103.45 *Replacing: 27SI.* *Negative grounding.*
	114191	Various Models		102211-9090	**Voltage:** 14 **Ampere:** 90 **B+:** M8x1.25 **Pulley:** SP **Grooves:** 8 **Fan:** EF **A:** 74.80 **B:** 51.00
	114518	Various Models		101211-2951, 101211-2950	**Voltage:** 14 **Ampere:** 55 **B+:** M6 **Pulley:** P **Grooves:** 1 **Fan:** IF **A:** 43.00 **B:** 21.00

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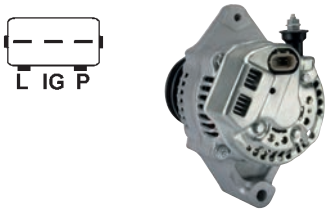
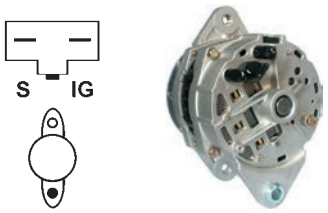
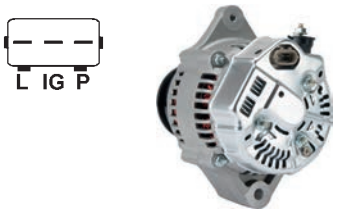
CATERPILLAR

	HC-CARGO	Model		Replacing	Information
	**114218**	Backhoe Loaders	416C, 426C	101211-2310, 101211-2240	**Voltage:** 14 **Ampere:** 55 **B+:** M6 **Pulley:** DP **Grooves:** 2 **Fan:** IF **A:** 95.00 **B:** 57.00
	**112996**	Farm	Farm 35, Farm 45, Farm 55	321-687, 19010207, 19010196, 19010191, 19010188, 19010187, 19010170, 19010150, 19010147, 19010145	**Voltage:** 14 **Ampere:** 115 **B+:** M8 **Pulley:** w/o **Fan:** EF **B:** 14.55 **C:** 100.50 *Replacing: 21SI.* *Negative grounding.* *One wire system. B+ 1/4".*
	114683	Various Agriculture Vehicles		101211-8271, 101211-8270	**Voltage:** 28 **Ampere:** 80 **B+:** M8 **Pulley:** w/o **Fan:** EF **B:** 13.70 **C:** 103.00
	**114188**	Various Models		101211-9020, 101211-9010	**Voltage:** 14 **Ampere:** 90 **B+:** M6 **Pulley:** DP **Grooves:** 2 **Fan:** IF **A:** 97.00 **B:** 58.10
	114271	Various Models		19011206, 19011205, 19011191, 10459599	**Voltage:** 28 **Ampere:** 75 **B+:** M6 **Terminal:** W **Pulley:** w/o **Fan:** EF Not Insulated return **B:** 14.20 **C:** 100.00 *Replacing: 34SI.*

CHANG FENG (LIEBAO)

	HC-CARGO	Model		Replacing	Information
	110621	3300 Series	3320	9516653, 9516650, 443113516653, 443113516650, 334113516653	**Voltage:** 14 **Ampere:** 55 **B+:** M6 **Pulley:** w/o **Fan:** w/o **B:** 27.00 **C:** 65.85

CLAAS

	HC-CARGO	Model		Replacing	Information
	111978	Combines	Combines	6033GB2009, 0120484021, 0120484015, AKK4322, 11.203.333	**Voltage:** 14 **Ampere:** 120 **B+:** M8 **Terminal:** W **Pulley:** w/o **Fan:** EF **B:** 56.00

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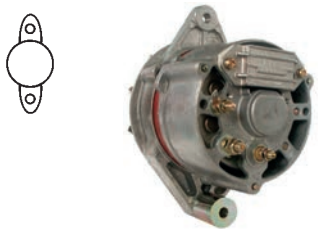
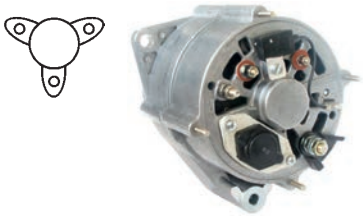
CLAAS

	HC-CARGO	Model		Replacing	Information
	**111649**	Dominator	66	0120400775, 0120339545, 0120339544, 0120339543, 0120339513, 0120339512, 0120339511, 0120300562, AAG1343, 11.201.784	**Voltage:** 14 **Ampere:** 33 **B+:** M6 **Pulley:** P **Grooves:** 1 **Fan:** EF **A:** 76.00 **B:** 56.00
	112098	Dominator	105	0120489711, 0120489710, 0120489294, 0120489022, 0120488233, 0120488138, 0120488134, 0120400845, AAK4351, AAK4313, AAK3547, AAK1370, AAK1182, 11.203.415, 11.203.301, 11.201.499, 11.201.444, 9516693, 9515010, 9513031, 443113516693, 443113516690	**Voltage:** 14 **Ampere:** 65 **B+:** M6 **Terminal:** W **Pulley:** P **Grooves:** 1 **Fan:** EF **A:** 77.00 **B:** 56.00
	**113611**	Dominator, Jaguar	106, 675, 680, 685 SL	0120469895, 0120469687, 0120469540, 0120469526, 0120469506, 0120469013	**Voltage:** 14 **Ampere:** 90 **B+:** M8 **Terminal:** W **Pulley:** w/o **Fan:** EF **B:** 81.30
	113949	Jaguar	850	0124525147, 0123515503, 0123515501, 0123515500, AAN8166, AAN5122, AAN5120, 11.204.254, 11.203.065, 11.203.051	**Voltage:** 14 **Ampere:** 150 **B+:** M8 **Terminal:** W **Pulley:** w/o **Fan:** IF **B:** 56.00
	114000	Various Models		AAK5533, 11.203.281	**Voltage:** 14 **Ampere:** 120 **B+:** M8 **Terminal:** W **Pulley:** SP **Grooves:** 8 **Fan:** IF **A:** 83.00 **B:** 56.00
	114513	Various Models		AAK5125, 11.201.738	**Voltage:** 14 **Ampere:** 95 **B+:** M8 **Terminal:** W **Pulley:** SP **Grooves:** 8 **Fan:** IF **A:** 83.00 **B:** 56.00
	114735	Various Models		0123520015, AAN5308	**Voltage:** 14 **Ampere:** 150 **B+:** M8 **Terminal:** W **Pulley:** w/o **Fan:** IF **B:** 56.00

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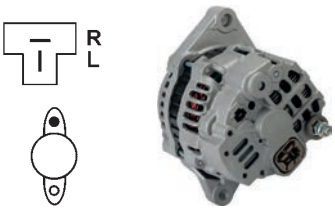
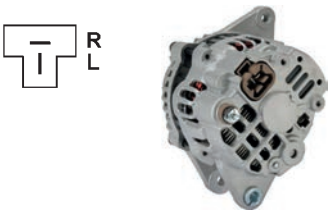
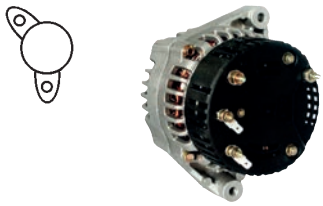
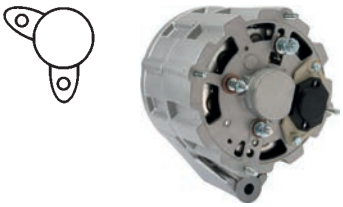
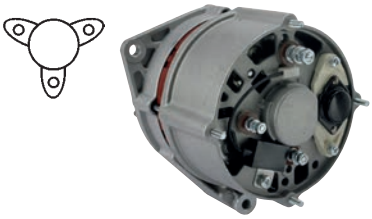
CUB CADET

	HC-CARGO	Model		Replacing	Information
	**112492**	7000 Series	7000, 7200, 7205	A7T02077C, A7T02077A, A7T02077, A7T02071C, A7T02071A, A7T02071, A007T02077C, A007T02077A	**Voltage:** 14 **Ampere:** 50 **B+:** M5 **Pulley:** P **Grooves:** 1 **Fan:** IF **A:** 43.50 **B:** 21.10
	**114079**	7000 Series	7305	A7TA0171B, A7TA0171, A007TA0171B, A007TA0171, 30A68-00801, 30A68-00800	**Voltage:** 14 **Ampere:** 40 **B+:** M5 **Pulley:** P **Grooves:** 1 **Fan:** IF **A:** 43.00 **B:** 16.00 **C:** 41.60

DAEDONG KIOTI

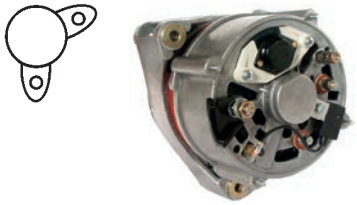
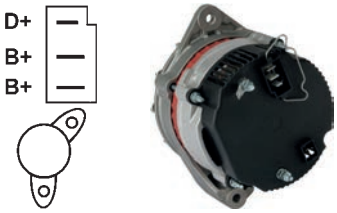
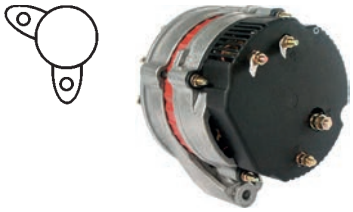
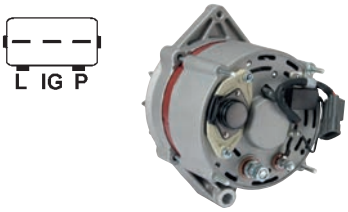
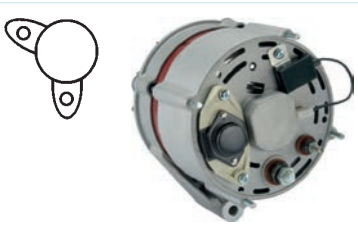
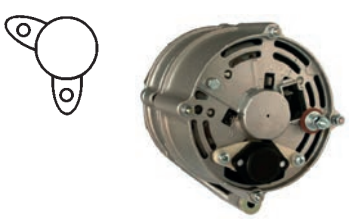
	HC-CARGO	Model		Replacing	Information
	114219	DK35 Series, DK40 Series	DK35 Series, DK40 Series	TA000A58101	**Voltage:** 14 **Ampere:** 50 **B+:** M6 **Terminal:** W **Pulley:** P **Grooves:** 1 **Fan:** IF **A:** 43.00 **B:** 15.00 **C:** 66.00

DEUTZ-FAHR

	HC-CARGO	Model		Replacing	Information
	114192	Agrotron	Various Models	AAN5511, AAN5346, 11.204.187, 11.203.389	**Voltage:** 14 **Ampere:** 200 **B+:** M8 **Terminal:** W **Pulley:** w/o **Fan:** IF **B:** 56.00
	**112389**	Antares, Dorado	110, 130, 60DT/2RM	AAK5115, 11.201.667	**Voltage:** 14 **Ampere:** 85 **B+:** M6 **Terminal:** W **Pulley:** w/o **Fan:** IF **B:** 55.90
	**110761**	AX	Various Models	0120489944, 0120488271, AAK3557, AAK1134, 11.201.635	**Voltage:** 28 **Ampere:** 35 **B+:** M6 **Terminal:** W **Pulley:** w/o **Fan:** w/o **B:** 80.00 *Fan: HC-CARGO 133875.*
	**110766**	AX	Various Models	0120489730, 0120489707, 0120489023, 0120488224, 0120400805, 0120400791, 0120400790, 0120400760, AAK4509, AAK1352, AAK1204, AAK1167, AAK1115, AAK1113, AAK1109, 11.201.574, 11.201.557, 11.201.186, A0924, 9AR6015K, 2960150, 2523162	**Voltage:** 28 **Ampere:** 27 **B+:** M6 **Terminal:** W **Pulley:** w/o **Fan:** EF **B:** 56.00

O.E.M. names and numbers are used for reference purposes only.

DEUTZ-FAHR

	HC-CARGO	Model		Replacing	Information
	**112747**	AX	Various Models	0120469772, 0120469585, 0120469521, 0120469520, 0120469519, 0120469102, 0120469030, 0120469008, 83DB10346AA, 1620918, AAK5734, AAK3318, 11.203.655, 11.201.903	**Voltage:** 28 **Ampere:** 55 **B+:** M8 **Terminal:** W **Pulley:** w/o **Fan:** EF **B:** 56.00
	**110360**	D Series	D 2807, D 3607, D 6807	9120080139, 9120080120, 9120080089, 9120080056, 0120489965, 0120489964, 0120489961, 0120489960, AAK3501, AAK1139, AAK1105, 11.201.601, 9AR2896G, 9AR2883G, 9AR2883, 9AR2835G, 9AR2835, 9AR2756F, 9AR2528F	**Voltage:** 14 **Ampere:** 45 **B+:** 9.40 **Pulley:** w/o **Fan:** w/o **B:** 56.00
	**110881**	D Series	D 2807, D 3607, Various Models	0120489309, 0120489296, 0120489286, 0120489183, 0120489070, 0120489069, 0120488258, 0120488257, AAK4349, AAK3579, AAK1189, 11.203.405, 11.201.512, 11.201.511, 11.201.478, 11.201.226, 943356826, 8515220	**Voltage:** 14 **Ampere:** 55 **B+:** M6 **Terminal:** W **Pulley:** DP **Grooves:** 2 **Fan:** EF **A:** 88.00 **B:** 56.00
	**114191**	D Series	D 3607	102211-9090	**Voltage:** 14 **Ampere:** 90 **B+:** M8x1.25 **Pulley:** SP **Grooves:** 8 **Fan:** EF **A:** 74.80 **B:** 51.00
	**112046**	DX	DX 6.31, DX 6.50, DX 7.10	0120484001, AAK4320, AAK3822, AAK1811, AAK1312, 11.204.054, 11.203.656, 11.203.331, 11.201.991	**Voltage:** 14 **Ampere:** 95 **B+:** M8 **Terminal:** W **Pulley:** SP **Grooves:** 8 **Fan:** EF **A:** 84.00 **B:** 56.00
	**112736**	DX	DX7 - Various Models, Intrac 6.30	0120489756, AAK1378, 11.201.570, 9515230	**Voltage:** 14 **Ampere:** 65 **B+:** M6 **Terminal:** W **Pulley:** P **Grooves:** 1 **Fan:** EF **A:** 76.50 **B:** 56.10
	114110	Various Models		AAN8189, AAN5121, AAN5116, 11.204.280, 11.203.064, 11.203.043	**Voltage:** 28 **Ampere:** 80 **B+:** M8 **Terminal:** W **Pulley:** w/o **Fan:** IF **B:** 56.00
	114470	Various Models		AAK3380, 11.203.151	**Voltage:** 14 **Ampere:** 120 **B+:** M8 **Pulley:** w/o **Fan:** EF **B:** 56.00

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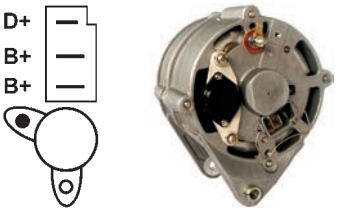
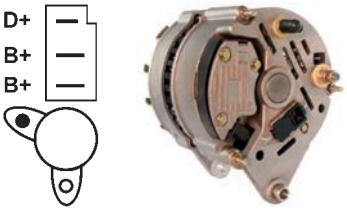
	HC-CARGO	Model		Replacing	Information
NEW PRODUCT www.hc-cargo.com	**115309**	Various Models		AAK4343, 11.203.391	**Voltage:** 28 **Ampere:** 35 **B+:** M8 **Terminal:** W **Pulley:** w/o **Fan:** EF **B:** 56.00
	114365	Various Models		120689553	**Voltage:** 28 **Ampere:** 140 **B+:** M8 **Terminal:** W **Pulley:** w/o **Fan:** EF **B:** 15.00 **C:** 180.00

DRONNINGBORG

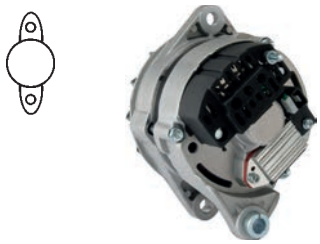
	HC-CARGO	Model		Replacing	Information
	**111289**	7000 Series	7000	9120331872, 9120331864, 9120331854, 0120489957, 0120489896, 0120489895, 0120489889, 0120489844, ALS12N-75, ALS12N-72, ALS12N-51, R72GB10346NA, 89AX10300HA, 89AX10300EA, 89AB10300HA, 89AB10300GB, 89AB10300GA, 89AB10300EB, AAK4524, AAK4520, AAK4519, AAK4513, AAK4135, AAK3590, AAK1358, AAK1114, 11.201.676, 11.201.579, 61920314, 61920311, 54022620, 54022572, 54022243, 54022147, 54021921, 54021919, 24318, 24199, 24181, 943358010, 943356639, 943356633, 63358020, 63358010, 9516742, 9516740, 9516709, 9515734, A5T31774, A5T31773, A5T31772, A5T31372, A005T31774, A005T31773, A005T31772, A005T31372, 9AR5092K, 9AR5022G, 9AR5022, 9AR2978, 9AR2843G, 9AR2707G, 9AR2703, 9AR2701, 9AR2700G, 9AR2700, 2950220, 2940981, 2929780, 2927070	**Voltage:** 14 **Ampere:** 70 **B+:** 9.40 **Terminal:** W **Pulley:** P **Grooves:** 1 **Fan:** EF **A:** 35.00 **B:** 12.50 **C:** 80.00
	**111355**	7800, 8000 Series	7800, 8700 Jumbo	0120489385, 0120489384, 0120489293, 858776, AAK4598, AAK4523, AAK3369, AAK3312, 11.203.097, 11.201.876, 11.201.810, 11.201.578, 54022752, 54022647, 54022642, 54022639, 54022579, 54022428, 54022408, 54022382, 54022200, 54022176, 63324387, 63324294, 63324245, 54208288, 2541400, 2541290	**Voltage:** 14 **Ampere:** 65 **B+:** M6-6.30 **Terminal:** W **Pulley:** P **Grooves:** 1 **Fan:** EF **A:** 37.00 **B:** 11.50 **C:** 81.00

EICHER

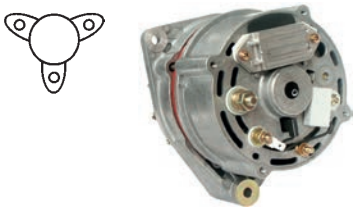
	HC-CARGO	Model		Replacing	Information
	111649	300, 3000	330, 3026, 3257, S	0120400775, 0120339545, 0120339544, 0120339543, 0120339513, 0120339512, 0120339511, 0120300562, AAG1343, 11.201.784	**Voltage:** 14 **Ampere:** 33 **B+:** M6 **Pulley:** P **Grooves:** 1 **Fan:** EF **A:** 76.00 **B:** 56.00

O.E.M. names and numbers are used for reference purposes only.

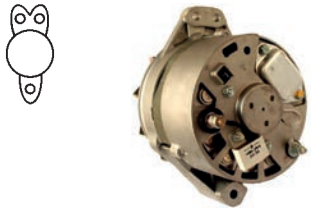
FAHR

	HC-CARGO	Model		Replacing	Information
	**112097**	M Series	M1000 Series	0120489796, 0120489795, 0120489794, 0120489793, 0120489792, 0120489639, 0120489638, 0120489612, 2998230, AAK3564, AAK1209, AAK1110, 11.201.468, 11.201.075, 11.201.055, LRA2378, A0828, 61920271, 943320025, 63321163, 63321161, 63321115, 63321104, 63321063, 63321055, 63321052, 63321050, 63321049, 9AR3952G, 9AR3952, 9AL3955G, 860141, 19025057, 19025044, 2939520	**Voltage:** 28 **Ampere:** 30 **B+:** M6 **Pulley:** P **Grooves:** 1 **Fan:** w/o **A:** 45.00 **B:** 17.00 **C:** 63.00

FENDT

	HC-CARGO	Model		Replacing	Information
	112196	Farmer	300 SERIES, 600, 610, 611	0124615053, 0123510075, 0123510074, 0123510060	**Voltage:** 14 **Ampere:** 143 **B+:** M8 **Pulley:** w/o **Fan:** IF **B:** 56.00 *Bosch Type.*
	114192	Vario	Various Models	AAN5511, AAN5346, 11.204.187, 11.203.389	**Voltage:** 14 **Ampere:** 200 **B+:** M8 **Terminal:** W **Pulley:** w/o **Fan:** IF **B:** 56.00
	**111978**	Various Models		6033GB2009, 0120484021, 0120484015, AKK4322, 11.203.333	**Voltage:** 14 **Ampere:** 120 **B+:** M8 **Terminal:** W **Pulley:** w/o **Fan:** EF **B:** 56.00
	114735	Various Models		0123520015, AAN5308	**Voltage:** 14 **Ampere:** 150 **B+:** M8 **Terminal:** W **Pulley:** w/o **Fan:** IF **B:** 56.00

FERRARI

	HC-CARGO	Model		Replacing	Information
	**111168**	40	40 WDT	0120489952, 0120489951, 0120489950, 0120489948, 0120489947, 0120489125, 0120489124, 0120489123, AAK4133, AAK3129, 11.201.927, 11.201.299, 9516761, 9516760, 9516716, 443113516761, 719, 619, 3493719, 3493619, 3472208, 3472066, 3472051, 208, 066, 051, A13N214, 2541341	**Voltage:** 14 **Ampere:** 55 **B+:** M6 **Terminal:** W **Pulley:** P **Grooves:** 1 **Fan:** EF **A:** 84.00 **B:** 56.00

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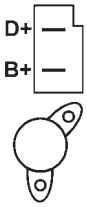
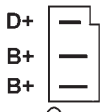
FIAT

	HC-CARGO	Model		Replacing	Information
	111686	100, 110, 115, 130	100.90, 110.90, 115.90, 130.90	0120489338, 0120489219, 0120489212, 0120489153, 0120489152, 0120489136, 0120489018, 0120488251, AAK4543, AAK4176, AAK4155, AAK4154, AAK1228, 11.201.662, 11.201.514, 11.201.357, 11.201.329, 943321019, 943320049, 63321146, 63321099, 63321031, 63321022, 63321021, 63321020, 63321019, 9515080, 9AR2951L, 9AR2951, 19025060, 2929510, 2565995, 2565994	**Voltage:** 14 **Ampere:** 65 **B+:** M6 **Pulley:** P **Grooves:** 1 **Fan:** EF **A:** 49.50 **B:** 17.00 **C:** 64.50
	**111180**	400, 500	420, 500S, 540, DT	0120339528, 0120339527, 0120339516, 0120339515, AAG1130, AAG1104, AAG0402, 11.201.783, 11.201.037, 943356274, 63300931, 63300921, 63300920, 63300901, 63300900, 63300802, 63300521, 30680274, 9AR5006G, 19025063, 19025042	**Voltage:** 14 **Ampere:** 33 **B+:** 9.40 **Pulley:** P **Grooves:** 1 **Fan:** EF **A:** 49.00 **B:** 25.00 **C:** 74.00

FIAT-ALLIS

	HC-CARGO	Model		Replacing	Information
	110075	Various Models		1102945, 1102944, 1102370, 1100951, 1100944, 1100943, 1100939, 1100933, 1100932, 1100931, 1100921	**Voltage:** 14 **Ampere:** 60 **B+:** M6 **Pulley:** P **Grooves:** 1 **Fan:** EF **A:** 75.00 **B:** 51.00 *As HC-CARGO 110215 (90 A). Regulator: HC-CARGO 130505.*
	110504	Various Models		1105073, 1102875, 1100589	**Voltage:** 14 **Ampere:** 90 **B+:** M6 **Terminal:** W **Pulley:** w/o **Fan:** EF **B:** 51.00 *Same as HC-CARGO 110505 (75 A).*
	110801	Various Models		0122469003, 0122469001, 100211-0860, A0012303JB, 2303JB, 321-665, 321-660, 1117655, 1117650, 1117647, 1117645, 1117644, 1117643, 1117642, 1117640, 1117623, A13R182	**Voltage:** 28 **Ampere:** 45 **B+:** 1/4" UNF **Terminal:** W **Pulley:** w/o **Fan:** EF **B:** 14.80 **C:** 100.00
	**110912**	Various Models		9120144239, 9120144238, 9120144202, 9120144201, 0120489753, 0120489752, 0120489743, 0120489742, 63321493, 63321197, 63321172, 63321080, 63321071, 63321061, 63321010, 63321008, 63320141, 63320128, 19025067, 19025056, 19025049, A13E23, 2541234, 2541233	**Voltage:** 14 **Ampere:** 55 **B+:** M6 **Pulley:** P **Grooves:** 1 **Fan:** EF **A:** 44.50 **B:** 16.40 **C:** 66.00

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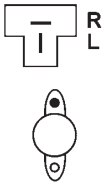
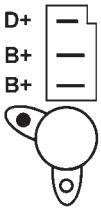
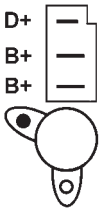
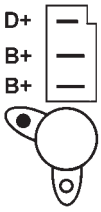
FIAT-ALLIS

	HC-CARGO	Model		Replacing	Information
	112992	Various Models		1117915	**Voltage:** 28 **Ampere:** 70 **B+:** M8 **Pulley:** w/o **Fan:** EF **B:** 15.75 **C:** 101.55 *Replacing: 20SI. Negative grounding. One wire system. B+ 5/16".*

FORD

	HC-CARGO	Model		Replacing	Information
	**113562**	1000 Series	1320, 1520, 1530	SBA185046320, A7T03877, A007TA1777, A007T03877	**Voltage:** 14 **Ampere:** 40 **B+:** M6 **Pulley:** P **Grooves:** 1 **Fan:** IF **A:** 42.00 **B:** 12.90 **C:** 81.50
	**111289**	2000 Series	2000	9120331872, 9120331864, 9120331854, 0120489957, 0120489896, 0120489895, 0120489889, 0120489844, ALS12N-75, ALS12N-72, ALS12N-51, R72GB10346NA, 89AX10300HA, 89AX10300EA, 89AB10300HA, 89AB10300GB, 89AB10300GA, 89AB10300EB, AAK4524, AAK4520, AAK4519, AAK4513, AAK4135, AAK3590, AAK1358, AAK1114, 11.201.676, 11.201.579, 61920314, 61920311, 54022620, 54022572, 54022243, 54022147, 54021921, 54021919, 24318, 24199, 24181, 943358010, 943356639, 943356633, 63358020, 63358010, 9516742, 9516740, 9516709, 9515734, A5T31774, A5T31773, A5T31772, A5T31372, A005T31774, A005T31773, A005T31772, A005T31372, 9AR5092K, 9AR5022G, 9AR5022, 9AR2978, 9AR2843G, 9AR2707G, 9AR2703, 9AR2701, 9AR2700G, 9AR2700, 2950220, 2940981, 2929780, 2927070	**Voltage:** 14 **Ampere:** 70 **B+:** 9.40 **Terminal:** W **Pulley:** P **Grooves:** 1 **Fan:** EF **A:** 35.00 **B:** 12.50 **C:** 80.00
	**111363**	2000 Series, 3000 Series	2600, 3600, 3610	54022481, 54022310, 54022292, 24327A, 24256C, 24256A, 24256, 24246A, 24246, 63325256, 63324327	**Voltage:** 14 **Ampere:** 45 **B+:** M6 **Terminal:** W **Pulley:** P **Grooves:** 1 **Fan:** EF **A:** 36.70 **B:** 11.00 **C:** 83.00
	**111739**	2000 Series, 3000 Series	2600, 3600, 3610	F0NN10B376AB, 54022336, 24273A, 24273, 63324273	**Voltage:** 14 **Ampere:** 55 **B+:** M6 **Terminal:** BS/W **Pulley:** w/o **Fan:** EF **B:** 11.40 **C:** 82.30 *w/ battery sensor terminal.*

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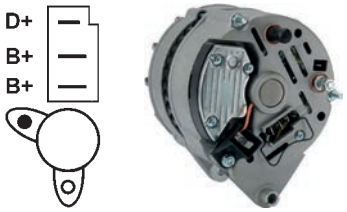
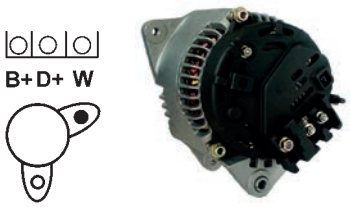
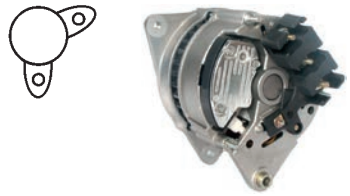
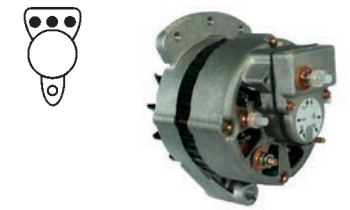
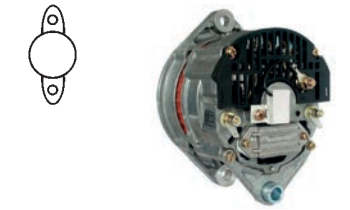
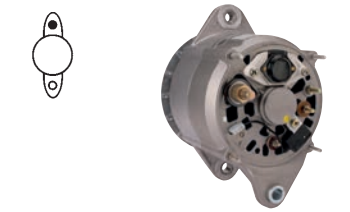
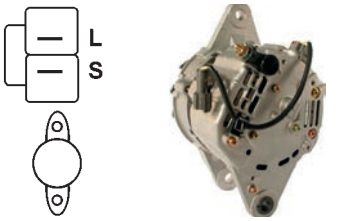
FORD

	HC-CARGO	Model		Replacing	Information
	**111740**	2000 Series, 3000 Series, 4000 Series	2600, 3600, 4100	E7NN10B376BB, E7NN10B376BA, E7NN10B376AB, E7NN10B376AA, E4NN10B376AB, AAK1344, AAK1343, 11.201.504, 11.201.503, 54022337, 24448, 24400, 24274A, 24274, 24250, 24186B, 24186A, 24186, 63324274	**Voltage:** 14 **Ampere:** 70 **B+:** M6 **Terminal:** BS/W **Pulley:** P **Grooves:** 1 **Fan:** EF **A:** 35.50 **B:** 11.30 **C:** 82.70 *w/ battery sensor terminal.*
	**112718**	5000 Series, 6000 Series, 7000 Series	5640, 6640, 7740	F2NN10B376AA, F0NN10B376CA, F0NN10B376BB, AAK5326, 11.203.042, 54022527, 54022443, 63321346, 63321285	**Voltage:** 14 **Ampere:** 100 **B+:** M6 **Terminal:** W **Pulley:** SP **Grooves:** 6 **Fan:** IF **A:** 32.00 **B:** 14.00 **C:** 83.80
	**113623**	5000 Series, 6000 Series, 7000 Series	5640, 6640, 7740	F2NN10B376CA, F2NN10B376BA, F0NN10B376AA, 54022626, 54022525, 54022397, 24415, 24414, 24385, 24384, 24295B, 24295A, 24295, 63324385, 63324384, 63324295	**Voltage:** 14 **Ampere:** 70 **B+:** M6 **Terminal:** W **Pulley:** w/o **Fan:** w/o **B:** 12.00 **C:** 82.60
	**110170**	8000 Series, TW	8210, TW 15, TW 20, TW 25	D7NN10300B, 8MA2014PA, 8MA2014P, 8MA2010PA, 8MA2010P	**Voltage:** 14 **Ampere:** 72 **B+:** M6 **Pulley:** P **Grooves:** 1 **Fan:** EF **A:** 74.75 **B:** 51.25 *Regulator: HC-CARGO 131175.*

GOLDONI

	HC-CARGO	Model		Replacing	Information
	**112768**	50, 3000	55 B, 3050, 3070	0120489457, 0120489402, 0120489019, 0120488195, 0120488194, 451013, AAK4518, AAK4138, AAK1117, 11.201.600, 11.201.571, 11.201.304, 11.201.071, 943356316, 943321095, 63321095, 63320037, 63305120, 30680316	**Voltage:** 14 **Ampere:** 55 **B+:** M6 **Terminal:** W **Pulley:** P **Grooves:** 1 **Fan:** EF **A:** 45.00 **B:** 17.00 **C:** 70.00
	**112773**	50, 3000	55 B, 3070	120468055	**Voltage:** 14 **Ampere:** 135 **B+:** 7/16" UNC **Terminal:** W **Pulley:** w/o **Fan:** EF **B:** 14.22 **C:** 100.00

HITACHI

	HC-CARGO	Model		Replacing	Information
	**113886**	Excavators	Zaxis 200 Forester	A4TU5486, A4TU5485, A004TU5486	**Voltage:** 28 **Ampere:** 50 **B+:** M6 **Pulley:** SP **Grooves:** 3 **Fan:** EF **A:** 60.00 **B:** 13.00 **C:** 70.00

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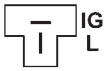
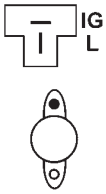
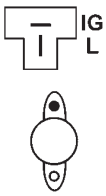
INTER HARV.

	HC-CARGO	Model		Replacing	Information
	112160	CM-Serie	1455 A	0-35000-0480, 0-35000-0471, 0-35000-0461, 0-35000-0460, 0-35000-0392, 0-35000-0391, 0-35000-0390, 19020391, 19020383, 19020382, 19020376, 19020346, 19020307, 19011192, 19010200, 19010199, 19010195	**Voltage:** 28 **Ampere:** 75 **B+:** M6 **Pulley:** w/o **Fan:** EF **B:** 14.25 **C:** 101.50 *Replacing: 21SI. One wire system.*

ISEKI

	HC-CARGO	Model		Replacing	Information
	111042	200	234, 235, 244, 245, 254	021000-6980, MD017645, MD017635, AH2035M4, AH2035M, AH2025M4, A1T22074, A1T11574, A001T22074, A001T11574	**Voltage:** 14 **Ampere:** 35 **B+:** M6 **Pulley:** P **Grooves:** 1 **Fan:** EF **A:** 42.50 **B:** 12.10 **C:** 66.90
	**113699**	300	325	101211-1200	**Voltage:** 14 **Ampere:** 40 **B+:** M6 **Pulley:** P **Grooves:** 1 **Fan:** IF **A:** 41.50 **B:** 24.00
	**111048**	500	530	101211-2480, 101211-1230, 101211-1180, 101211-1040, 100211-4690, 100211-4680, 100211-4670	**Voltage:** 14 **Ampere:** 40 **B+:** M6 **Pulley:** P **Grooves:** 1 **Fan:** IF **A:** 43.00 **B:** 24.00
	**113921**	500	530	101211-1361, 101211-1360, 100211-4771, 100211-4770, 100211-4740, 100211-4650, 100211-4610	**Voltage:** 14 **Ampere:** 40 **B+:** M6 **Pulley:** P **Grooves:** 1 **Fan:** IF **A:** 43.50 **B:** 24.00
	114190	Various Models		101211-2040	**Voltage:** 14 **Ampere:** 60 **B+:** M6 **Pulley:** P **Grooves:** 1 **Fan:** IF **A:** 43.50 **B:** 21.50

JCB

	HC-CARGO	Model		Replacing	Information
	114772	Various Models		AAK5807, AAK5758, AAK5583, 11.204.467, 11.204.115, 11.203.812, 11.203.440	**Voltage:** 14 **Ampere:** 95 **B+:** M8 **Pulley:** SP **Grooves:** 8 **Fan:** IF **A:** 30.50 **B:** 14.10 **C:** 80.75

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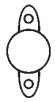
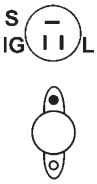
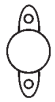
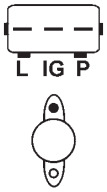
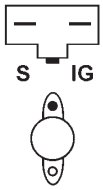
JOHN DEERE

	HC-CARGO	Model		Replacing	Information
	**110105**	1000 Series	1032, 1042, 1052	0120489704, 0120489703, 0120488290, 0120488267, 0120488218, 0120300545, 0120300535, 0120300516, AAK3328, AAK1362, AAK1330, 11.201.929, 11.201.665, 11.201.592, 11.201.453, 9AR2968K, 9AR2968, 510-384	**Voltage:** 14 **Ampere:** 55 **B+:** M6 **Pulley:** P **Grooves:** 1 **Fan:** EF **A:** 83.30 **B:** 56.00
	**111215**	1000 Series	1065, 1068, 1072	100211-6051, 100211-6050, 100211-6031, 100211-6030	**Voltage:** 14 **Ampere:** 120 **B+:** M8 **Pulley:** DP **Grooves:** 2 **Fan:** IF **A:** 94.60 **B:** 57.65
	113531	1000 Series	1065, 1068, 1072	F005A00025, 9120060042, 0120484019, 0120484017, 0120484012, AAK4321, 11.204.405, 11.203.332	**Voltage:** 14 **Ampere:** 120 **B+:** M8 **Terminal:** W **Pulley:** w/o **Fan:** w/o **B:** 56.20
	**113632**	1000 Series	1065, 1068, 1072	012060040, 0120489317, 0120489156, 0120488217, 0120484020, 0120484016, 0120484003, 0120484002, AAK5197, AAK4829, AAK3329, 11.204.391, 11.201.989, 11.201.934, 9515361, 9515102, 9513170, 9513071	**Voltage:** 14 **Ampere:** 85 **B+:** M8 **Terminal:** W **Pulley:** w/o **Fan:** IF **B:** 56.10
	**113742**	3000 Series	3120, 3320, 3520	101211-1380, 101211-1170	**Voltage:** 14 **Ampere:** 40 **B+:** M6 **Pulley:** P **Grooves:** 1 **Fan:** IF **A:** 43.00 **B:** 21.00
	**110445**	4000 Series	4450, 4455	100211-5800, 100211-0790, 100211-0292, 100211-0291, 100211-0290, 100211-0281, 100211-0280, 8MR2035T, 110-244, 110-238	**Voltage:** 14 **Ampere:** 90 **B+:** M6 **Pulley:** w/o **Fan:** EF **B:** 51.00
	112062	6000 Series	6110, 6320, 6420 S	0124515126, 0123512500, AAN5156, 11.203.204	**Voltage:** 14 **Ampere:** 115 **B+:** M8 **Pulley:** w/o **Fan:** IF **B:** 56.00 *SP/FW 235718 can be used.*
	112529	6000 Series	6020, 6120, 6220	0123335003, 0123320061, 0123320045, 0123320010, 0123315501, AAK5391, AAK5382, AAK5306, 11.203.186, 11.203.167, 11.203.005, LRA1860, A13VI99, A13VI197, A13VI175, A13VI134, 2541959, 2541919B, 2541919, 2541838A, 2541838, 2541775B	**Voltage:** 14 **Ampere:** 90 **B+:** M8 **Terminal:** W **Pulley:** SP **Grooves:** 6 **Fan:** IF **A:** 92.00 **B:** 56.10

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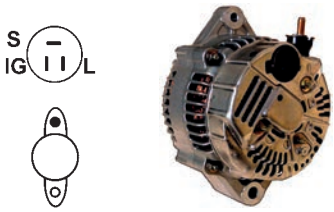
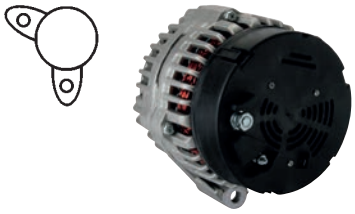
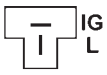
	HC-CARGO	Model		Replacing	Information
	113949	6000 Series	6120, 6220	0124525147, 0123515503, 0123515501, 0123515500, AAN8166, AAN5122, AAN5120, 11.204.254, 11.203.065, 11.203.051	**Voltage:** 14 **Ampere:** 150 **B+:** M8 **Terminal:** W **Pulley:** w/o **Fan:** IF **B:** 56.00
	114681	6000 Series	6230, 6330, 6430	124325166	**Voltage:** 14 **Ampere:** 90 **B+:** M8 **Pulley:** w/o **Fan:** IF Not Insulated return **B:** 56.00
	**111830**	7000 Series	7710, 7800, 7810	100211-6420	**Voltage:** 14 **Ampere:** 140 **B+:** M8 **Pulley:** SP **Grooves:** 8 **Fan:** IF **A:** 90.50 **B:** 58.00
	113707	7000 Series	7430, 7530	0124625031, AAN5840, 11.204.424	**Voltage:** 14 **Ampere:** 200 **B+:** M8 **Pulley:** w/o **Fan:** IF **B:** 56.00
	**113899**	8000 Series	8120, 8220, 8320	0124615029, 0123515502	**Voltage:** 14 **Ampere:** 150 **B+:** M8 **Terminal:** W **Pulley:** SP **Grooves:** 8 **Fan:** IF **A:** 87.00 **B:** 56.00
NEW PRODUCT www.hc-cargo.com	**114211***	9630, Various Models	9630	0124625030, 0124625029	**Voltage:** 14 **Ampere:** 200 **B+:** M8 **Pulley:** w/o **Fan:** IF **B:** 56.00
NEW PRODUCT www.hc-cargo.com	**114864**	Farm	Various models (Tractor)	8600479, 8600050, 19011195, 19011189, 10459353	**Voltage:** 28 **Ampere:** 75 **B+:** 1/4" UNC Insulated return **B:** 14.2 **C:** 102.0
 NEW PRODUCT www.hc-cargo.com	**115435**	Mowers	Various Models	101211-2201, 101211-2200	**Voltage:** 14 **Ampere:** 50 **B+:** M6 **Pulley:** P **Grooves:** 1 **Fan:** IF **A:** 50.00 **B:** 21.00

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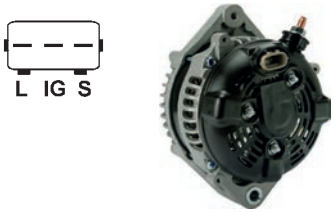
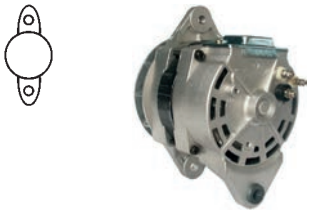
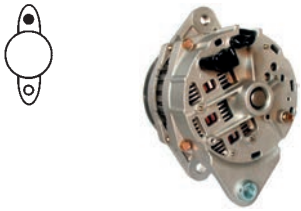
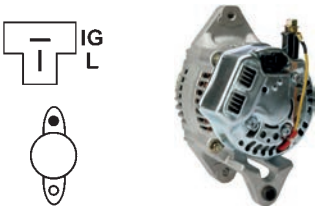
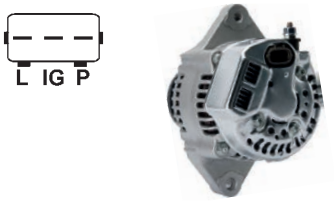
JOHN DEERE

	HC-CARGO	Model		Replacing	Information
	**113975**	Sprayers	Various models	104210-3921, 104210-3920	**Voltage:** 14 **Ampere:** 150 **B+:** M6 **Pulley:** SP **Grooves:** 8 **Fan:** IF **B:** 58.00 **C:** 0.00
	**111647**	Various Models		390087, 2191166, 21EA00050	**Voltage:** 28 **Ampere:** 60 **B+:** M6 **Pulley:** w/o **Fan:** EF **B:** 15.00 **C:** 102.00
	**112160**	Various Models		0-35000-0480, 0-35000-0471, 0-35000-0461, 0-35000-0460, 0-35000-0392, 0-35000-0391, 0-35000-0390, 19020391, 19020383, 19020382, 19020376, 19020346, 19020307, 19011192, 19010200, 19010199, 19010195	**Voltage:** 28 **Ampere:** 75 **B+:** M6 **Pulley:** w/o **Fan:** EF **B:** 14.25 **C:** 101.50 *Replacing: 21SI. One wire system.*
	**113401**	Various Models		LR140-727, LR140-723B, LR140-721E, LR140-721D, LR140-721C, LR140-721B, LR140-721, LR140-719	**Voltage:** 14 **Ampere:** 40 **B+:** M6 **Terminal:** W **Pulley:** P **Grooves:** 1 **Fan:** IF **A:** 41.50 **B:** 12.00 **C:** 67.20
	113542	Various Models		9516765, 9515765, 443113515765	**Voltage:** 14 **Ampere:** 55 **B+:** M6 **Terminal:** W **Pulley:** P **Grooves:** 1 **Fan:** EF **A:** 84.00 **B:** 56.00
	113543	Various Models		LRA02116, 9516241, 9515241, 443113516241, 443113515241	**Voltage:** 14 **Ampere:** 55 **B+:** M6 **Terminal:** W **Pulley:** SP **Grooves:** 8 **Fan:** EF **A:** 77.40 **B:** 50.75
	**114263**	Various Models		101211-3410	**Voltage:** 14 **Ampere:** 50 **B+:** M6 **Pulley:** SP **Grooves:** 1 **Fan:** IF Not Insulated return **A:** 44.00 **B:** 21.10
	114379	Various Models		0124615043, AAN5869, 11.204.502	**Voltage:** 14 **Ampere:** 150 **B+:** M8 **Pulley:** w/o **Fan:** IF Not Insulated return **B:** 56.30

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JOHN DEERE

	HC-CARGO	Model		Replacing	Information
	114518	Various Models		101211-2951, 101211-2950	**Voltage:** 14 **Ampere:** 55 **B+:** M6 **Pulley:** P **Grooves:** 1 **Fan:** IF **A:** 43.00 **B:** 21.00

KHD

	HC-CARGO	Model		Replacing	Information
NEW PRODUCT www.hc-cargo.com	**115309**	Various Models		AAK4343, 11.203.391	**Voltage:** 28 **Ampere:** 35 **B+:** M8 **Terminal:** W **Pulley:** w/o **Fan:** EF **B:** 56.00

KUBOTA

	HC-CARGO	Model		Replacing	Information
	114657	Compact Tractor	B2620	6A830-59250	**Voltage:** 14 **Ampere:** 14 **Pulley:** P **Grooves:** 1 **A:** 62.0 **B:** 16.0
	114515	M, Tractors	M7580DT, M8580DT, Various models	100211-6780	**Voltage:** 14 **Ampere:** 45 **B+:** M6 **Pulley:** DP **Grooves:** 2 **Fan:** IF **A:** 42.50 **B:** 24.00
NEW PRODUCT www.hc-cargo.com	**114807**	Series-M	6800, 8200, 9000	A1TA3677, A1TA1777, A001TA1777	**Voltage:** 14 **Ampere:** 60 **B+:** M6 **Pulley:** P **Grooves:** 1 **Fan:** IF **A:** 63.00 **B:** 29.00
	114516	Tractors	Various Models	15531-64017, 15531-64016, 15531-64013	**Voltage:** 14 **Ampere:** 14 **Grooves:** 1 **A:** 64.00 **B:** 16.00

LAMBORGHINI

	HC-CARGO	Model		Replacing	Information
	110882	1100 Series, 1300	1106 (2RM), Various Models, 1306 (DT)	0120489765, 0120489762, 0120489761, 0120489145, 0120489106, 021000-0320, AAK4162, AAK3197, 11.209.443, 11.201.336, 11.201.070, 61920270, 943356305, 943321044, 943320021, 943305226, 63321037, 63321036, 63321035, 63320021, 63307256	**Voltage:** 14 **Ampere:** 45 **B+:** M6 **Pulley:** P **Grooves:** 1 **Fan:** w/o **A:** 47.00 **B:** 16.25 **C:** 63.00

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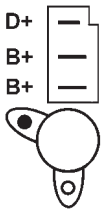
LAMBORGHINI

	HC-CARGO	Model		Replacing	Information
	110890	1100 Series, 1300 Series	Various Models	9120331881, 0120489838, 0120489770, 0120489763, 0120489151, 0120489147, 0120489146, 0120489134, AAK4140, AAK3560, AAK1135, 11.201.457, 11.201.306, 11.201.242, 11.201.112, 61920269, 943356353, 943320023, 63321180, 63321041, 63320100, 63320023, 63307841, 63307536, 63307526, 9AL5050K, 19025046, 2950500	**Voltage:** 14 **Ampere:** 55 **B+:** M6 **Pulley:** P **Grooves:** 1 **Fan:** w/o **A:** 49.00 **B:** 17.00 **C:** 63.00

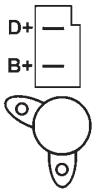
LANDINI

	HC-CARGO	Model		Replacing	Information
	**113474**	60, 80, 5000, Altantis	60, 80, 100, 5860	9124476014, AAK3320, AAK1324, 11.201.913, 11.201.396, 54022007, 54022001, 24090, 24067, 24034, 24015, 24013, 23996, 23943, 23938, 23937, 23902, 23862	**Voltage:** 14 **Ampere:** 65 **B+:** Plug **Terminal:** W **Pulley:** P **Grooves:** 1 **Fan:** EF **A:** 35.90 **B:** 11.00 **C:** 82.55

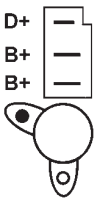
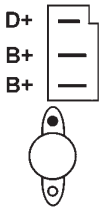
MAHINDRA

	HC-CARGO	Model		Replacing	Information
	113683	Various Models		40001C01, 26921168A, 26921168, 26021278, 26021276, 004001C01	**Voltage:** 14 **Ampere:** 36 **Pulley:** P **Grooves:** 1 **Fan:** EF **A:** 90.60 **B:** 56.00

MARSHALL

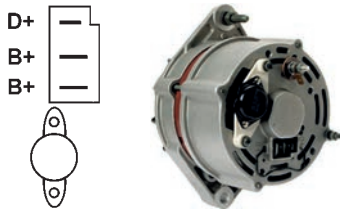
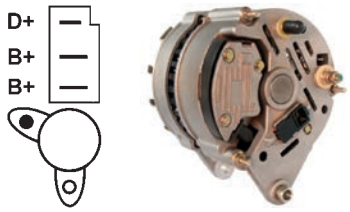
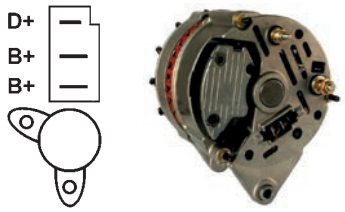
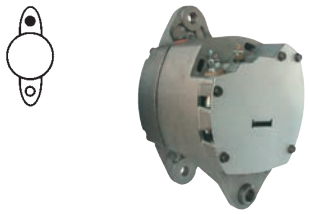
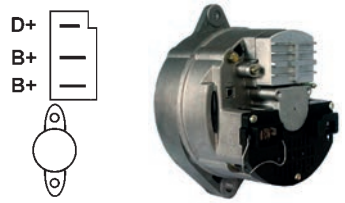
	HC-CARGO	Model		Replacing	Information
	**113469**	D	D 100, D 135, D 150, D 642	0120339526, AAG1307, 11.201.062	**Voltage:** 14 **Ampere:** 33 **B+:** 9.40 **Pulley:** P **Grooves:** 1 **Fan:** EF **A:** 75.50 **B:** 55.90 *Dust proof.*

MASSEY FERGUSON

	HC-CARGO	Model		Replacing	Information
	**110770**	MF 100, MF 1000	184, 1014, 1114	873F10300BA, 86VB10300AA, 86VB10300A2A, 86VB10300A2, AAK4574, AAK4568, 11.201.728, 11.201.707, 54022686, 54022625, 54022623, 54022621, 54022616, 54022590, 54022554, 54022536, 54022483, 54022458, 63324157	**Voltage:** 14 **Ampere:** 55 **B+:** M6 **Terminal:** W **Pulley:** w/o **Fan:** w/o **B:** 11.20 **C:** 82.00
	**111948**	MF 100, MF 200	152, 194, 240	AAK4554, 11.201.693, 24123A, 24123, 24087D, 24087B, 24087A, 24087, 24022A, 24022, 24019A, 24019, 23880, 23865A, 23865, 9AR5070K, 9AR5040K, 9AR2944K, 9AR2862K, 9AR2862, 9AR2861K, 9AR2856K, 9AR2856, 9AR2853K, 9AR2853, 9AR2786, 9AR2566, 2950700, 2940772, 2928610, 2541148, 2541131, 2541130, 2518051	**Voltage:** 14 **Ampere:** 70 **B+:** Plug **Terminal:** W **Pulley:** w/o **Fan:** EF **B:** 29.00

O.E.M. names and numbers are used for reference purposes only.

MASSEY FERGUSON

	HC-CARGO	Model		Replacing	Information
	**110970**	MF 200	240, 245, 254	AAG1310, 11.201.095, NAB302, 9AR2549F, 9AR2549, 9AR2548K, 9AR2548, 9AR2547F, 9AR2547, 510-56, 510-39, 510-38	**Voltage:** 14 **Ampere:** 65 **B+:** M6 **Pulley:** P **Grooves:** 1 **Fan:** EF **A:** 58.00 **B:** 27.10
	**111355**	MF 300	350	0120489385, 0120489384, 0120489293, 858776, AAK4598, AAK4523, AAK3369, AAK3312, 11.203.097, 11.201.876, 11.201.810, 11.201.578, 54022752, 54022647, 54022642, 54022639, 54022579, 54022428, 54022408, 54022382, 54022200, 54022176, 63324387, 63324294, 63324245, 54208288, 2541400, 2541290	**Voltage:** 14 **Ampere:** 65 **B+:** M6-6.30 **Terminal:** W **Pulley:** P **Grooves:** 1 **Fan:** EF **A:** 37.00 **B:** 11.50 **C:** 81.00
	**112722**	MF 3000	3085, 3645, 3655	54022751, 54022746, 54022656, 54022580, 54022561, 54022560, 54022532, 54022530, 54022529, 54022528, 63324407	**Voltage:** 14 **Ampere:** 70 **B+:** M6 **Terminal:** W **Pulley:** w/o **Fan:** EF **B:** 10.50 **C:** 83.50
	**112989**	MF 4000	Various Models	321-666, 1117641, 1117628, 1117621, 1117620, 1117618, 1117613, 1117612, 1117611, 10459200, 10459020	**Voltage:** 14 **Ampere:** 60 **B+:** M8 **Terminal:** W **Pulley:** w/o **Fan:** IF **B:** 14.85 **C:** 101.65 *Replacing: 20SI. Negative grounding. One wire system. B+ 1/4".*
	**110107**	MF 500, MF 2000, MF 3000	550, 2640, 3650	LR150-191, LR150-190, 24204, 24124, 24033A, 24033, 9AR5083G, 9AR5010F, 9AR2888, 9AR2887, 9AR2725F, 510-501, 510-492, 510-456, 510-368, 510-320, 9AR2725	**Voltage:** 14 **Ampere:** 55 **B+:** 6.30 **Pulley:** w/o **Fan:** w/o **B:** 27.00
	111736#	MF 500, MF 800	550, 850, 860	8MR2033T, 110-252	**Voltage:** 14 **Ampere:** 90 **B+:** 1/4" UNC **Pulley:** w/o **Fan:** EF **B:** 51.00
	113961	MF 6000	6110, 6120, 6130	A13VI243, 2542300A, 2542300	**Voltage:** 14 **Ampere:** 120 **B+:** M6 **Terminal:** W **Pulley:** DP **Grooves:** 2 **Fan:** IF **A:** 29.00 **B:** 14.30 **C:** 83.00

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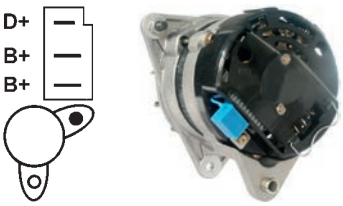
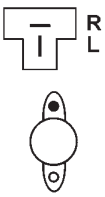
MASSEY FERGUSON

	HC-CARGO	Model		Replacing	Information
	114049	MF 6000	6235, 6245, 6255	AAK5562, AAK5323, AAK5194, AAK5193, AAK5189, 11.203.388, 11.203.365, 11.203.033, 11.201.976	**Voltage:** 14 **Ampere:** 120 **B+:** M8 **Terminal:** W **Pulley:** w/o **Fan:** IF Not Insulated return **B:** 14.23 **C:** 82.50
	114671	MF 6000	MF 6485, MF 6490	AAK5599, AAK5577, AAK5560, 11.203.523, 11.203.423, 11.203.383	**Voltage:** 14 **Ampere:** 120 **B+:** M8 **Terminal:** W **Pulley:** w/o **Fan:** IF **B:** 56.00
	**111184**	Various Models		5010556, 61920289, 61920287, 61920107, 54021987, 54021873, 54021764, 54021551, 54021351, 26024243, 24237A	**Voltage:** 14 **Ampere:** 43 **Pulley:** w/o **Fan:** IF **B:** 9.85 **C:** 87.00 *For pulley w/ 17.00 mm bore use bushing: HC-CARGO 134894.*
	114360	Various Models			**Voltage:** 14 **Ampere:** 70 **B+:** M6 **Terminal:** W **Pulley:** w/o **Fan:** w/o **B:** 11.50 **C:** 83.00

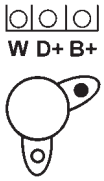
MERCEDES-BENZ

	HC-CARGO	Model		Replacing	Information
	111141	1000, 1100, 1300	1000, 1100, 1300	0120489757, 0120489726, 0120489725, 0120489315, 0120489032, 0120488282, 0120400700, AAK4549, AAK1301, AAK1130, 11.201.685, 11.201.102, 11.201.097, 2940793, 523159, 523158, 2325158	**Voltage:** 14 **Ampere:** 55 **B+:** M6 **Terminal:** W **Pulley:** w/o **Fan:** w/o **B:** 80.00

MITSUBISHI

	HC-CARGO	Model		Replacing	Information
	**111832**	Various Models	Various Models (Tractors)	MM438844, MM435752, MM435081, MM432804, A0T25373, A0T25371, A0T25271, A0T25171, A000T25373	**Voltage:** 14 **Ampere:** 40 **B+:** M5 **Pulley:** P **Grooves:** 1 **Fan:** IF **A:** 42.00 **B:** 16.75 **C:** 41.00

NEW HOLLAND

	HC-CARGO	Model		Replacing	Information
	**113529**	8000	8000 Series, 8260, 8360	AAK5592, AAK5355, AAK5354, 11.203.494, 11.203.088, 11.203.087, 63321753	**Voltage:** 14 **Ampere:** 120 **B+:** M6 **Terminal:** W **Pulley:** SP **Grooves:** 8 **Fan:** IF **A:** 32.00 **B:** 14.10 **C:** 83.30

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NEW HOLLAND

	HC-CARGO	Model		Replacing	Information
	113898	CX800	840	8SC2023Z, 8SC2282VG, 110-565	**Voltage:** 14 **Ampere:** 185 **B+:** M8 **Terminal:** W **Pulley:** w/o **Fan:** EF **B:** 14.75 **C:** 101.70
	114759	TC	TC Various Models	A7TA1777	**Voltage:** 14 **Ampere:** 55 **B+:** M6 **Terminal:** W **Pulley:** P **Grooves:** 1 **Fan:** IF **A:** 41.00 **B:** 13.00 **C:** 82.50
	114669	TL	TL Series	63321503, 63321502, 63321458, 63321424, 63320137, 63320124	**Voltage:** 14 **Ampere:** 65 **B+:** M6 **Terminal:** W **Pulley:** w/o **Fan:** w/o **B:** 17.00 **C:** 65.00
	113621	Various Models		4170444, 1C1T10300BB, AAK5759, AAK5746, 11.203.822, 11.203.730, 63321817, 63321743	**Voltage:** 14 **Ampere:** 115 **B+:** M6 **Pulley:** SP **Grooves:** 6 **Fan:** IF **A:** 33.55 **B:** 14.10 **C:** 83.35
NEW PRODUCT www.hc-cargo.com	**114450***	Various Models		AAK4314, AAK1832, 11.204.484, 11.204.327, 11.203.714, 11.203.302	**Voltage:** 14 **Ampere:** 120 **Pulley:** SP **Grooves:** 8 **Fan:** EF

RENAULT AGRICULTURE

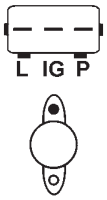
	HC-CARGO	Model		Replacing	Information
	114513	Ares	610 (RX,RZ)	AAK5125, 11.201.738	**Voltage:** 14 **Ampere:** 95 **B+:** M8 **Terminal:** W **Pulley:** SP **Grooves:** 8 **Fan:** IF **A:** 83.00 **B:** 56.00
	114514	Ares	710, 725, 735	AAK5157, 11.201.830	**Voltage:** 14 **Ampere:** 95 **B+:** M8 **Terminal:** W **Pulley:** SP **Grooves:** 8 **Fan:** IF **A:** 77.10 **B:** 50.00
	113432	Various Models		321-688, 19010156, 1117952, 1117948, 1117933, 1117924, 1117916, 10459051, 10459050	**Voltage:** 14 **Ampere:** 145 **B+:** M6 **Terminal:** W **Pulley:** w/o **Fan:** EF **B:** 14.30 **C:** 101.20 *Replacing: 21SI. Negative grounding. One wire system. B+ 1/4".*

O.E.M. names and numbers are used for reference purposes only.

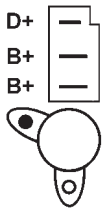
SAME

	HC-CARGO	Model		Replacing	Information
	112556	Titan	Titan 160, Titan 190	AAK5363, AAK5315, AAK5118, AAK5114, 11.203.098, 11.203.016, 11.201.675, 11.201.666	**Voltage:** 14 **Ampere:** 95 **B+:** M6 **Terminal:** W **Pulley:** w/o **Fan:** IF **B:** 56.00 *Dust proof.*

STEINER

	HC-CARGO	Model		Replacing	Information
	**113856**	200	230	100211-4730	**Voltage:** 14 **Ampere:** 40 **B+:** M6 **Pulley:** w/o **Fan:** IF **B:** 24.20

VALTRA

	HC-CARGO	Model		Replacing	Information
	**111362**	300 Series, 400 Series	355, 455	0120489345, 0120489290, R86AX10300AB, 87BB10300BA, 86AX10300DB, 86AX10300AB, 86AX10300AAA, 86AB10300EB, 86AB10300EA, AAK1329, AAK1325, 11.201.415, 11.201.400, 11.201.399, 54022803, 54022740, 54022695, 54022668, 54022598, 54022335, 54022241, 54022211, 54022182, 54022160, 443113516701, 443113516700, 9AR2630K, 2940080, 2926300	**Voltage:** 14 **Ampere:** 55 **B+:** Plug **Terminal:** W **Pulley:** P **Grooves:** 1 **Fan:** EF **A:** 34.50 **B:** 11.00 **C:** 81.00
	112742	2000 Series	2005, 2105	0120469749, 0120469522, 0120469507	**Voltage:** 14 **Ampere:** 90 **B+:** M8 **Terminal:** W **Pulley:** DP **Grooves:** 2 **Fan:** w/o **A:** 72.50 **B:** 51.00
	112556	8000 Series	8050	AAK5363, AAK5315, AAK5118, AAK5114, 11.203.098, 11.203.016, 11.201.675, 11.201.666	**Voltage:** 14 **Ampere:** 95 **B+:** M6 **Terminal:** W **Pulley:** w/o **Fan:** IF **B:** 56.00 *Dust proof.*
	113610	S, T	S230, S260, T120, T130, T140	AAK5364, AAK5181, 11.203.099, 11.201.925	**Voltage:** 14 **Ampere:** 120 **B+:** M8x1.25/14.00 **Terminal:** W **Pulley:** w/o **Fan:** IF **B:** 56.00

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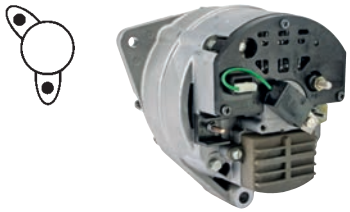
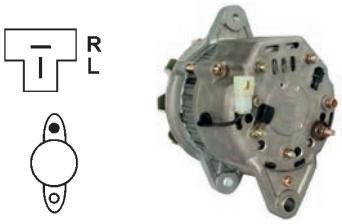
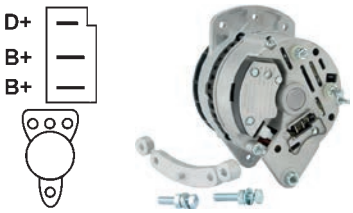
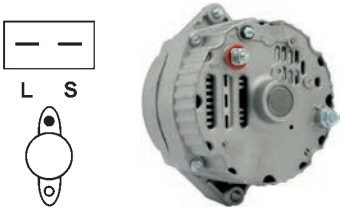
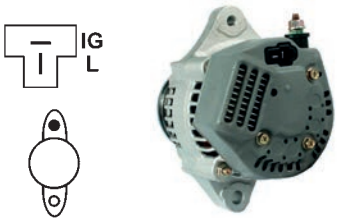
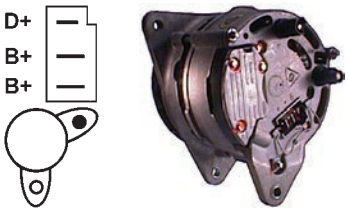
VARIOUS AGRICULTURE VEHICLES

	HC-CARGO	Model		Replacing	Information
	**110117**			0120489731, 100211-4201, 100211-4200, AAK1854, 11.209.447, 9AR6012G, 9AR6012, 510-427, 2960120	**Voltage:** 28 **Ampere:** 35 **B+:** M6 **Pulley:** w/o **Fan:** EF **B:** 56.00
	**110448**			LR220-24, LR220-23, A1T70783, A001T70783	**Voltage:** 28 **Ampere:** 20 **B+:** M5 **Pulley:** P **Grooves:** 1 **Fan:** EF **A:** 44.50 **B:** 13.50 **C:** 81.30
	**110497**			9120690170, NAB900, 66921126, 66021155, 66021070	**Voltage:** 14 **Ampere:** 70 **B+:** 9.40 **Terminal:** W **Pulley:** P **Grooves:** 1 **Fan:** EF **A:** 42.50 **B:** 10.50 **C:** 84.00 *w/ mounting bearing bracket for left and right engine side.*
	**110505**			1105686, 1105645, 1105619, 1105584, 1105574, 1105573, 1105559, 1105558, 1105556, 1105522, 1105520	**Voltage:** 14 **Ampere:** 75 **B+:** M6 **Terminal:** W **Pulley:** w/o **Fan:** w/o **B:** 50.50 *Replacing: CS130. As HC-CARGO 110504 (90 A).*
	110591			321-697, 321-655, 19010024, 19010008, 19010002, 19010000, 1117648, 1117256, 1117249, 1117238	**Voltage:** 28 **Ampere:** 75 **B+:** 7/16" UNC **Pulley:** w/o **Fan:** EF **B:** 14.10 **C:** 101.50 *Replacing: 25SI. One wire system. B+ 7/16".*
	**110620**			100211-4701, 100211-4700, 100211-4531, 100211-4530, 100211-1662, 100211-1661, 100211-1660	**Voltage:** 14 **Ampere:** 35 **B+:** M6 **Pulley:** P **Grooves:** 1 **Fan:** IF **A:** 44.00 **B:** 23.50
	**110969**			ALP12N-1, NAB301, 60921031, 60921028, 60210160, 60210159, 60021065, 60021061, 60021041, 60021015, 60021012, 9AR2913, 9AR2878, 9AR2803F, 9AR2706G, 9AR2706, 9AR2704F, 9AR2684P, 9AR2655G, 9AR2653F, 9AR2653	**Voltage:** 14 **Ampere:** 65 **B+:** M6 **Pulley:** P **Grooves:** 1 **Fan:** EF **A:** 38.00 **B:** 11.00 **C:** 82.00

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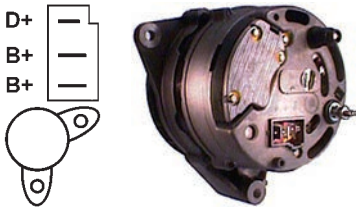
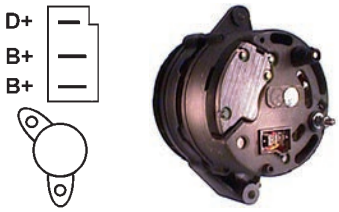
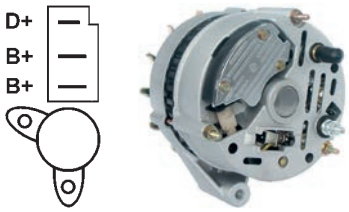
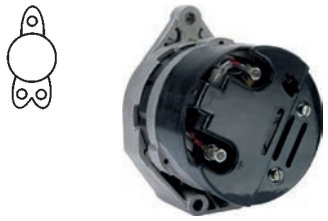
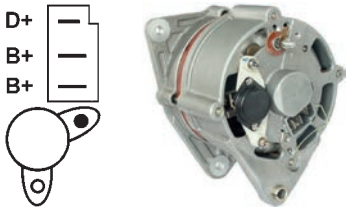
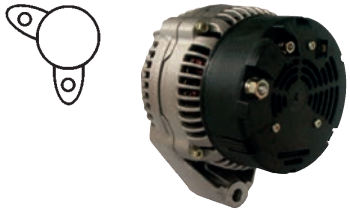
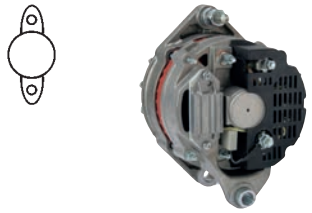
VARIOUS AGRICULTURE VEHICLES

	HC-CARGO	Model		Replacing	Information
	**110971#**			0120489708, 7530, AAK4503, AAK4192, 11.201.544, 11.201.390, NAB303	**Voltage:** 14 **Ampere:** 65 **B+:** Plug **Terminal:** W **Pulley:** P **Grooves:** 1 **Fan:** EF **A:** 85.00 **B:** 56.00
	**110972**			0120489124, 0120489123, 0120489121, NAB304, 66021101, 60021056, 60021055, 60021054, 3472068, 3472067, 3472052, 3472050, 3471214, 068, 067, 052, 050	**Voltage:** 14 **Ampere:** 65 **B+:** Plug **Pulley:** P **Grooves:** 1 **Fan:** EF **A:** 87.90 **B:** 56.00
	**110975**			0120489999, 0120489975, 0120489789, 0120489569, 0120489551, 0120489058, 0120400670, 0120300584, NAB307, 60021068, 60021067, 60021063, 60021026, 54021649, 9AR2529F, 9AR2529, 510-146, 510-123, 2541263, 9FB2LD2A05	**Voltage:** 14 **Ampere:** 65 **B+:** M6 **Terminal:** W **Pulley:** P **Grooves:** 1 **Fan:** EF **A:** 82.85 **B:** 56.25
	**111296**			A5524/49, A5524/39, 858619, 857645, 857623, 857601	**Voltage:** 28 **Ampere:** 55 **B+:** M6 **Terminal:** W **Pulley:** w/o **Fan:** w/o Insulated return **B:** 76.00
	**111356**			0120488189, R89FX10300GB, 89FF10300GB, 89FF10300GA, 89FF10300AC, 89FF10300AB, 89FF10300AA, 6181359, AAK4532, 11.201.587, 54022595, 54022581, 54022418, 54022410, 54022389, 54022342, 54022313, 54022291, 54022285, 54022234	**Voltage:** 14 **Ampere:** 55 **B+:** 9.40 **Terminal:** W **Pulley:** SP **Grooves:** 3 **Fan:** EF **A:** 43.00 **B:** 10.80 **C:** 81.00
	**111369**			9123369044, 0123335007, 0123335006, 0123335002, 0123320044, AAK5501, AAK5305, 11.209.001, 11.203.004, A13VI220, A13VI198, A13VI176, A13VI170, A13VI169, A13VI135, A13VI100, 2541992B, 2541992, 2541960	**Voltage:** 14 **Ampere:** 90 **B+:** M8 **Terminal:** W **Pulley:** SP **Grooves:** 6 **Fan:** IF **A:** 92.00 **B:** 56.00
	**111620**			0120489824, 0120489823, 0120489319, 0120489318, 0120489307, 0120489273, 0120489272, 0120488254, AAK4562, AAK4158, 11.201.701, 943321086, 943321084, 943321017, 63321153, 63321152, 63321096, 63321086, 63321084, 63321072	**Voltage:** 14 **Ampere:** 65 **B+:** M6 **Pulley:** SP **Grooves:** 5 **Fan:** EF **A:** 47.75 **B:** 16.30 **C:** 63.00

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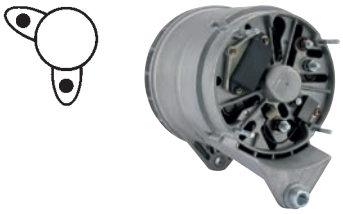
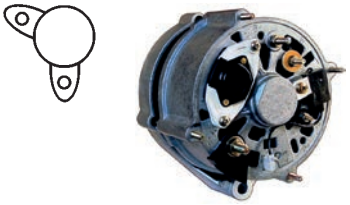
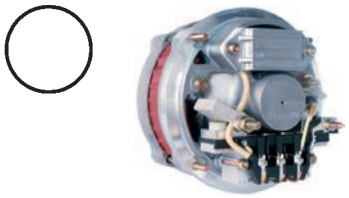
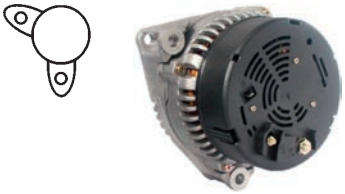
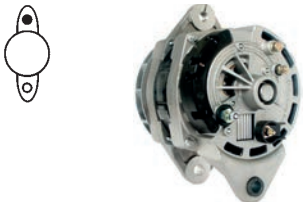
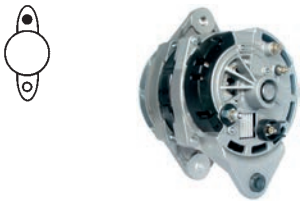
VARIOUS AGRICULTURE VEHICLES

	HC-CARGO	Model		Replacing	Information
	**111833**			0120689587, 0120689574, 0120689571, 0120689535, 0120689530, 1277670, AAT1339, AAT1338, AAT1321, AAT1308, AAT1306, AAT1302, 11.203.241, 11.203.240, 11.203.139, 19025330	**Voltage:** 28 **Ampere:** 140 **B+:** M8 **Terminal:** W **Pulley:** w/o **Fan:** EF **B:** 15.70 **C:** 182.00 *B- M8. Shaft 30 mm. Heavy duty type: HC-CARGO 113589. 180 A.*
	**112038**			0120468066, 54022663, 54022646, 54022591, 54022552, 54022510, 54022393, 54022268, 54022267, 54022256, 54022220, 63324242, 9515040	**Voltage:** 28 **Ampere:** 100 **B+:** M8 **Terminal:** W **Pulley:** w/o **Fan:** w/o **B:** 56.00
	**112183**			AAK2306, AAK2301, 11.203.106, 11.201.292, A13N255, A13N165, 2541659, 2541133	**Voltage:** 14 **Ampere:** 60 **B+:** M6 **Terminal:** W **Pulley:** w/o **Fan:** w/o
	**112194**			0123545004, 0123540004, 0123540003, 0123540002, 0123510023, 0123510002, 0123500001, 0120465015, AAN5127, 11.203.110	**Voltage:** 14 **Ampere:** 120 **B+:** M8 **Terminal:** W **Pulley:** SP **Grooves:** 6 **Fan:** IF **A:** 82.20 **B:** 56.00
	**113457**			390049, 219055	**Voltage:** 28 **Ampere:** 60 **B+:** M6 **Terminal:** W **Pulley:** DP **Grooves:** 2 **Fan:** EF **A:** 65.75 **B:** 15.00 **C:** 101.00
	**113458**			390050, 219051	**Voltage:** 28 **Ampere:** 60 **B+:** M6 **Terminal:** W **Pulley:** DP **Grooves:** 2 **Fan:** EF **A:** 45.25 **B:** 15.00 **C:** 101.00
	113738			AAK5565, AAK5376, 11.204.040, 11.203.396, 11.203.155	**Voltage:** 28 **Ampere:** 55 **B+:** M8 **Terminal:** W **Pulley:** w/o **Fan:** IF **B:** 56.00 *Dust proof.*
	113763			102211-8181, 102211-8180, 102211-8171, 102211-8170, 102211-8161, 102211-8160, 54022606, 54022524, 54022469, 54022466, 24480, 24479, 63377462, 63377461, 63377460, 63321466, 63320349	**Voltage:** 14 **Ampere:** 85 **B+:** M6 **Terminal:** W **Pulley:** w/o **Fan:** IF **C:** 82.00

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VARIOUS AGRICULTURE VEHICLES

	HC-CARGO	Model		Replacing	Information
	113895			6033GB3045	**Voltage:** 28 **Ampere:** 80 **B+:** M8 **Terminal:** W **Pulley:** w/o **Fan:** EF **B:** 56.00
NEW PRODUCT www.hc-cargo.com	**114004**			AAN5136, AAN5125, 11.203.119, 11.203.103	**Voltage:** 14 **Ampere:** 150 **B+:** M8 **Terminal:** W **Pulley:** SP **Grooves:** 7 **Fan:** IF **A:** 81.67 **B:** 56.00 *Iskra type*
	114256			102211-5700, 102211-1440, 101211-4280, 101211-0690	**Voltage:** 14 **Ampere:** 70 **B+:** M6 **Pulley:** P **Grooves:** 1 **Fan:** IF **A:** 92.60 **B:** 58.30
	114355			9120060033	**Voltage:** 28 **Ampere:** 55 **B+:** M8 **Terminal:** W **Pulley:** DP **Grooves:** 2 **Fan:** EF **A:** 50.00 **B:** 20.00
	114464			AAK5568, AAK5334, 11.203.399, 11.203.061	**Voltage:** 28 **Ampere:** 55 **Terminal:** W **Pulley:** w/o **Fan:** IF **B:** 55.00
	114466			124120001	**Voltage:** 14 **Ampere:** 55 **B+:** M6 **Pulley:** DP **Grooves:** 2 **Fan:** IF **A:** 42.50 **B:** 18.00 **C:** 67.50
NEW PRODUCT www.hc-cargo.com	**114471***			AAN5513, 11.204.160	**Voltage:** 28 **Ampere:** 80 **Pulley:** w/o **Fan:** IF Insulated return *Dust proof.*
	114679			101211-1242, 101211-1240, 100211-4710	**Voltage:** 14 **Ampere:** 35 **B+:** M6 **Pulley:** P **Grooves:** 1 **Fan:** IF **A:** 40.00 **B:** 24.00

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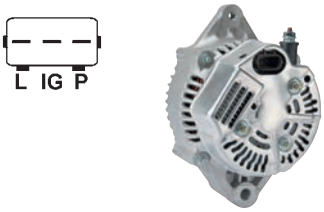
VARIOUS AGRICULTURE VEHICLES

	HC-CARGO	Model		Replacing	Information
NEW PRODUCT www.hc-cargo.com	**114751***			101211-3781, 101211-3780	**Voltage:** 14 **Ampere:** 45 **Pulley:** P **Grooves:** 1 **Fan:** IF
	114767			AAN8170, AAN8167, AAN8156, AAN5806, AAN5597, AAN5595, AAN5546, AAN5124, 11.204.337, 11.204.258	**Voltage:** 28 **Ampere:** 100 **B+:** M8 **Terminal:** W **Pulley:** w/o **Fan:** IF **B:** 55.00
	**114770**			102211-9050, 32A68-04722	**Voltage:** 14 **Ampere:** 80 **B+:** M6 **Pulley:** w/o **Fan:** IF **B:** 58.50
NEW PRODUCT www.hc-cargo.com	**114784***			AAG5119, 11.203.767	**Voltage:** 14 **Ampere:** 75 **Pulley:** P **Grooves:** 1 **Fan:** EF
NEW PRODUCT www.hc-cargo.com	**114785***			AAN5848, 11.204.443!	**Voltage:** 14 **Ampere:** 175 **Pulley:** w/o **Fan:** IF
NEW PRODUCT www.hc-cargo.com	**114787***			AAK1890, 11.203.911	**Voltage:** 14 **Ampere:** 100 **Pulley:** SP **Grooves:** 4 **Fan:** EF
NEW PRODUCT www.hc-cargo.com	**114813**			101211-8140	**Voltage:** 28 **Ampere:** 65 **B+:** 5/16” UNC **Pulley:** w/o **Fan:** EF **B:** 13.00 **C:** 102.00
NEW PRODUCT www.hc-cargo.com	**114825***			124615041	**Voltage:** 14 **Ampere:** 150 **Fan:** IF

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VARIOUS AGRICULTURE VEHICLES

	HC-CARGO	Model		Replacing	Information
NEW PRODUCT www.hc-cargo.com	**114834***			124615030	**Voltage:** 14 **Ampere:** 150 **Pulley:** w/o **Fan:** IF
13 NEW PRODUCT www.hc-cargo.com	**114860***			228000-8161, 228000-8160	**Voltage:** 12 **kW:** 1.1 **Mount. holes:** 2 (0)
	114868			AAK4363, AAK4334, AAK4330, AAK1888, 11.203.905, 11.203.462, 11.203.368, 11.203.350	**Voltage:** 14 **Ampere:** 75 **B+:** M8x1.25 **Terminal:** W **Pulley:** SP **Grooves:** 8 **Fan:** EF Insulated return **A:** 78.20 **B:** 51.00
L IG P NEW PRODUCT www.hc-cargo.com	**114902***			102211-9010, 102211-1830, 32868-03201	**Voltage:** 14 **Ampere:** 90 **B+:** M8 **Pulley:** DP **Grooves:** 2 **Fan:** IF Not Insulated return **A:** 95.50 **B:** 58.00
IG L	**115319**			825577, 101211-8680	**Voltage:** 14 **Ampere:** 45 **B+:** M6 **Pulley:** w/o **Fan:** IF **B:** 21.00
L IG	**115321**			101211-8620	**Voltage:** 14 **Ampere:** 60 **B+:** M6 **Pulley:** w/o **Fan:** IF **B:** 24.00
	115381			AAN8152, AAN5167, 11.204.240, 11.203.250	**Voltage:** 28 **Ampere:** 80 **B+:** M8 **Terminal:** W **Pulley:** w/o **Fan:** IF Insulated return **B:** 56.00
	115386			BLD3314GH, BLD3314C, BLD3314	**Voltage:** 28 **Ampere:** 140 **B+:** 5/16” UNF **Pulley:** w/o **Fan:** EF **B:** 14.00 **C:** 102.00

O.E.M. names and numbers are used for reference purposes only.

VARIOUS AGRICULTURE VEHICLES

	HC-CARGO	Model		Replacing	Information
NEW PRODUCT www.hc-cargo.com	**115436***			AAG5135, AAG5104, AAG5103, 11.204.098, 11.203.476, 11.203.452	**Voltage:** 14 **Ampere:** 50 **Pulley:** w/o **Fan:** IF
NEW PRODUCT www.hc-cargo.com	**115463***			GP9165, 129150-77202	**Voltage:** 14 **Ampere:** 20 **Pulley:** P **Grooves:** 1
NEW PRODUCT www.hc-cargo.com	**115608***			AAK5581, 11.203.434	**Voltage:** 14 **Ampere:** 120 **Pulley:** SP **Grooves:** 8 **Fan:** IF

VOLVO BM

	HC-CARGO	Model		Replacing	Information
	112742	2600	2650	0120469749, 0120469522, 0120469507	**Voltage:** 14 **Ampere:** 90 **B+:** M8 **Terminal:** W **Pulley:** DP **Grooves:** 2 **Fan:** w/o **A:** 72.50 **B:** 51.00
	111528	L	L 160	0120469523, AAK3332, AAK1369, 11.201.937, 11.201.710, 2180620, 2105473B	**Voltage:** 28 **Ampere:** 55 **B+:** M8 **Terminal:** W **Pulley:** w/o **Fan:** EF **B:** 51.50
	113477	L	L 70, L 90, L 120, L 160	AAK3334, AAK1383, 11.201.939, 11.201.746, 2940060, A14N81M, A14N47M, A14N137M, A14N119M, A14N112M, A14N100M, A14N100, 2541168, 2181991C, 2181991	**Voltage:** 28 **Ampere:** 55 **B+:** M6 **Terminal:** W **Pulley:** w/o **Fan:** EF Insulated return **B:** 50.80
	112310	T	T800, T810, T814	0120489533, AAK1193, AAK1151, 11.201.230, 11.201.146, 9AR2715F	**Voltage:** 14 **Ampere:** 55 **B+:** M6 **Pulley:** P **Grooves:** 1 **Fan:** EF **A:** 74.00 **B:** 50.70

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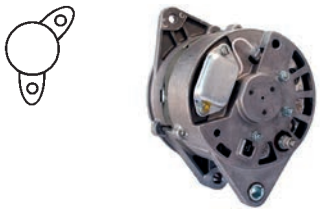
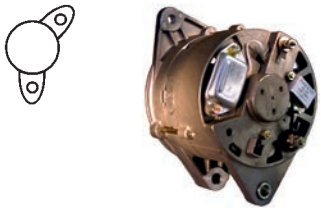
VOLVO BM

	HC-CARGO	Model		Replacing	Information
	114465	Various Tractors		AAK3339, 11.201.945	**Voltage:** 14 **Ampere:** 70 **B+:** M8 **Pulley:** P **Grooves:** 1 **Fan:** EF **A:** 76.00 **B:** 51.00 *Dust proof.*
	114465	Various Tractors		AAK3339, 11.201.945	**Voltage:** 14 **Ampere:** 70 **B+:** M8 **Pulley:** P **Grooves:** 1 **Fan:** EF **A:** 76.00 **B:** 51.00 *Dust proof.*

ZETOR

	HC-CARGO	Model		Replacing	Information
	**110621**	3000 Series, 10000 Series	3320, 10540	9516653, 9516650, 443113516653, 443113516650, 334113516653	**Voltage:** 14 **Ampere:** 55 **B+:** M6 **Pulley:** w/o **Fan:** w/o **B:** 27.00 **C:** 65.85
	**112035**	3000 Series, 10000 Series	3321, 3341, 10540	9516673, 443113516673, 443113516670	**Voltage:** 14 **Ampere:** 70 **B+:** M6 **Terminal:** W **Pulley:** w/o **Fan:** EF **B:** 27.10 **C:** 66.00

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Generators

Edition 2015/2016

ISO 9001
BUREAU VERITAS
Certification

ALLIS CHALMERS

	HC-CARGO	Model		Replacing	Information
	110483	Various Models		DNL12E-42, NDB101, 26021104, 22791, 22788, 22780, 22733J, 22733E, 22733, 22719J, 22719H, 22719, 22708, 22703M	**Voltage:** 12 **Ampere:** 11 **Length:** 226.00
	110484	Various Models		22792, 22783, 22769, 22764, 22762E, 22762, 22761, 22758, 22756, 534054D	**Voltage:** 12 **Ampere:** 22 **Pulley:** w/o **Length:** 238.00

CASE

	HC-CARGO	Model		Replacing	Information
	110483	1000 Series	1210, 1212	DNL12E-42, NDB101, 26021104, 22791, 22788, 22780, 22733J, 22733E, 22733, 22719J, 22719H, 22719, 22708, 22703M	**Voltage:** 12 **Ampere:** 11 **Length:** 226.00
	110482	1000 Series, 300 Series, 3000 Series	354, 1210, 3434	DNL12-22, 69EB10002CA, 69EB10002C1, 1516986, NDB100, 26021103, 22789, 22785, 22775, 22767, 22765B, 22765, 22754, 22748, 22747, 22742, 22725	**Voltage:** 12 **Ampere:** 22 **Pulley:** w/o **Length:** 230.00
	110484	1000 Series, 3000 Series	1200, 3800	22792, 22783, 22769, 22764, 22762E, 22762, 22761, 22758, 22756, 534054D	**Voltage:** 12 **Ampere:** 22 **Pulley:** w/o **Length:** 238.00
	113143	Various Models		1101432	**Voltage:** 12 **Ampere:** 25 **Pulley:** w/o **Length:** 265.00 *Nut: HC-CARGO 132346.*

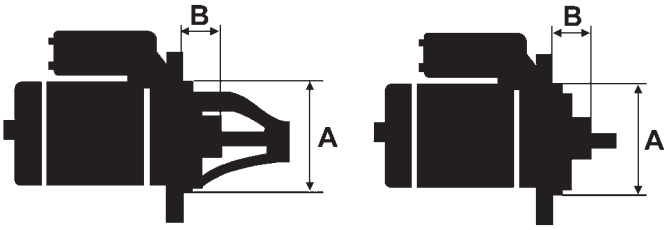
CUB CADET

	HC-CARGO	Model		Replacing	Information
	113142	Various Models		1101998, 1101986, 1101951	**Voltage:** 12 **Ampere:** 15 **Pulley:** w/o **Length:** 262.00 *Regulator: HC-CARGO 233623, 233624. Solenoid: HC-CARGO 132939. Nut: HC-CARGO 132346.*
	113143	Various Models		1101432	**Voltage:** 12 **Ampere:** 25 **Pulley:** w/o **Length:** 265.00 *Nut: HC-CARGO 132346.*

O.E.M. names and numbers are used for reference purposes only.

Starters

A: Mounting flange, B: Drive distance



Edition 2015/2016

ISO 9001
BUREAU VERITAS
Certification

AGCO ALLIS

	HC-CARGO	Model		Replacing	Information
10	**110615**	8000	8745, 8765, 8775	9004475035, AZJ3369, AZJ3151, 11.131.070, 11.130.526, NSB524, NSB522, 27628, 27625, 27621, 27609, 27607, 27603, 27596, 27592, 27588, 27585, 27570B, 943226366, 63296357, 63227596, 63227588, 63227585, 63227520, 63227518, 63227486, 63227478, 54293284, 9142728, 9142723, 443115142723	**Voltage:** 12 **kW:** 2.8 **B+:** M8 **Total length:** 312.25 **Drive type:** Steel **Gear type:** DD **Mount. holes:** 3 (0) **A:** 89.00 **B:** 28.60

AGCO WHITE

	HC-CARGO	Model		Replacing	Information
10	**113452**	6000 Series	6124, 6125, 6144	0-23000-2260, 10479617, 10461466	**Voltage:** 12 **kW:** 2.5 **B+:** M10 **15a:** M5 **Total length:** 338.50 **Drive type:** Steel **Gear type:** GR **Clutch type:** Wet **Mount. holes:** 3 (0) Oil sealed **A:** 88.80 **B:** 45.00 *Replacing: 28MT.*

AGRIFULL

	HC-CARGO	Model		Replacing	Information
9,10	**110529**	Various Models		0001367082, 0001367028, 0001367023, 0001359102, 0001359021, 2998200, R11W, R11.07, AZJ3582, AZJ3535, AZJ3517, AZJ3116, AZJ3110, 11.130.410, 11.130.403, 11.130.322, 11.130.199, MT68MB, MT68MA, MT68AD, MT68AC, MT68AB, MT68AA, MT68A, MT62BA, M125M3-Z9(3/12), M125-3/12, 63224600, 9144744, 19024272, 19024230, DM2138	**Voltage:** 12 **kW:** 3.0 **B+:** M10 **Total length:** 340.50 **Drive type:** Steel **Gear type:** DD **Mount. holes:** 3 (0) **A:** 110.00 **B:** 30.00
9	**110813**	Various Models		0001362105, 0001362039, 0001362032, 0001223504, 0001223503, AZJ3538, AZJ3458, AZE6531, 11.139.452, 11.131.603, 11.130.203, S0850, LRS01976, 61924066, 61924015, 26390E, 26390B, 26390A, 26390, 26290, MT71AC, MT71AB, MT71AA, MT71A, 63522235, 63217126, 63217125, 63217101, 30380319, 9144745	**Voltage:** 12 **kW:** 2.7 **B+:** M10 **Total length:** 294.00 **Drive type:** Steel **Gear type:** DD **Mount. holes:** 3 (0) **A:** 110.00 **B:** 27.00

ALLIS CHALMERS

	HC-CARGO	Model		Replacing	Information
9	**110640**	300	310, 340, 360	0001367014, 0001359091, AZJ3534, AZJ3516, AZJ3115, 11.130.409, 11.130.198, 11.130.127, 27440B, 27440A, 27440, 26394, DM2134, DM2130, DM2120, 2130	**Voltage:** 12 **kW:** 3.0 **B+:** M10 **Total length:** 310.00 **Drive type:** Steel **Gear type:** DD **Mount. holes:** 3 (0) **A:** 110.00 **B:** 26.00

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ALLIS CHALMERS

	HC-CARGO	Model		Replacing	Information
9	**110491**	Various Models		1998274, 1109098, 1108505, 1107209	**Voltage:** 12 **kW:** 1.4 **B+:** M10 **Total length:** 305.00 **Drive type:** Steel **Gear type:** DD **Clutch type:** Dry **Mount. holes:** 3 (0) Oil sealed **A:** 88.00 **B:** 45.00 *Replacing: 10MT.*
12	**110604**	Various Models		0-23000-1890, 0-23000-1880, 1998409, 1998394, 1998378, 1998338, 1998334, 1113280, 1113279, 1109272, 1107587, 1107567, 10465048	**Voltage:** 12 **kW:** 2.8 **B+:** M10 **Total length:** 340.00 **Drive type:** Steel **Gear type:** GR **Clutch type:** Dry **Mount. holes:** 3 (0) Oil sealed **A:** 88.75 **B:** 46.45 *Replacing: 22MT, 27MT, 28MT.*
9	**110813**	Various Models		0001362105, 0001362039, 0001362032, 0001223504, 0001223503, AZJ3538, AZJ3458, AZE6531, 11.139.452, 11.131.603, 11.130.203, S0850, LRS01976, 61924066, 61924015, 26390E, 26390B, 26390A, 26390, 26290, MT71AC, MT71AB, MT71AA, MT71A, 63522235, 63217126, 63217125, 63217101, 30380319, 9144745	**Voltage:** 12 **kW:** 2.7 **B+:** M10 **Total length:** 294.00 **Drive type:** Steel **Gear type:** DD **Mount. holes:** 3 (0) **A:** 110.00 **B:** 27.00
10	**112268**	Various Models		0-23000-2140, 0-23000-2010, 0-23000-1850, 1998484, 1998468, 1998373, 1998357, 1998350, 1998340, 1113597, 1113290, 1113274, 1107540, 10479607	**Voltage:** 12 **kW:** 2.8 **B+:** M10 **Total length:** 340.00 **Drive type:** Steel **Gear type:** GR **Clutch type:** Dry **Mount. holes:** 3 (0) Oil sealed **A:** 89.00 **B:** 46.00 *Replacing: 28MT.*

BCS

	HC-CARGO	Model		Replacing	Information
9	**112171**	200, 300, 600, 700	270, 303, 603, 701, 735	0001107024, AZE2617, 11.131.002	**Voltage:** 12 **kW:** 1.1 **B+:** M8 **Total length:** 220.00 **Drive type:** Steel **Gear type:** GR **Clutch type:** Dry **Mount. holes:** 2 (0) **A:** 76.00 **B:** 28.00
9,10	**112034**	300, 600, 700	303, 622, 745	0001214002, 0001115042, 0001110033, 0001109029, AZE2636, 11.131.157, 63221435, 63221405	**Voltage:** 12 **kW:** 1.7 **B+:** M8 **Total length:** 233.30 **Drive type:** Steel **Gear type:** GR **Mount. holes:** 2 (0) **A:** 76.00 **B:** 27.00

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BELARUS

	HC-CARGO	Model		Replacing	Information
10	**113431#**	400 Series	400, 420, 425	24173708000, AZJ3229, 11.130.685	**Voltage:** 12 **kW:** 3.0 **B+:** M10 **Total length:** 338.00 **Drive type:** Steel **Gear type:** DD **Mount. holes:** 3 (0) **A:** 101.00 **B:** 30.00
10	**111350#**	500	500, 505, 520, 525	24.3708, AZJ3124, AZAJ3124, 11.130.436, 2407-3708000, 2406-3708000, 9142980, ST230P-3700800	**Voltage:** 12 **kW:** 3.2 **B+:** M10 **Total length:** 337.45 **Drive type:** Steel **Gear type:** DD **Clutch type:** Dry **Mount. holes:** 3 (0) **A:** 99.70 **B:** 32.50
10	**112488**	MTZ Series	MTZ 100, MTZ 142, MTZ 145	9142780, 443115142780	**Voltage:** 12 **kW:** 2.7 **B+:** M10 **Total length:** 238.50 **Drive type:** Steel **Gear type:** GR **Clutch type:** Wet **Mount. holes:** 3 (0) **A:** 100.00 **B:** 32.00
10	**113356**	MTZ Series	MTZ 1221, MTZ 1522, MTZ 890, MTZ 1221, MTZ 1522, MTZ 890	AZJ3223, 11.130.676, 9172780, 9172702	**Voltage:** 24 **kW:** 3.5 **B+:** M10 **Total length:** 235.00 **Drive type:** Steel **Gear type:** GR **Mount. holes:** 3 (0) **A:** 99.90 **B:** 32.00

BENFORD

	HC-CARGO	Model		Replacing	Information
10	**113269**	Various Models		0001359094, 9144702, 9142709, 9142702, 446115144702, 444115144702, 443115144702, 443115142709, 443115142702, D11E146, D11E118	**Voltage:** 12 **kW:** 3.0 **B+:** M10 **Total length:** 234.50 **Drive type:** Steel **Gear type:** GR **Mount. holes:** 3 (0) **A:** 88.80 **B:** 31.50

BUHRER

	HC-CARGO	Model		Replacing	Information
10	**110439**	Various Models		9000143400, 0001362008, 6232, 6127, S12-87, S12-85, AZK5111, AZJ3544, AZJ3531, AZJ3248, AZJ3114, AZJ0404, 11.130.711, 11.130.408, 11.130.194, NSB509, 27488, 27480, 27474B, 27474A, 27474, 27470B, 27470A, 27470, 27469A, 27469, 27459A, 27459, D11E84, D11E155, D11E141	**Voltage:** 12 **kW:** 2.0 **B+:** M8 **Total length:** 309.50 **Drive type:** Steel **Gear type:** DD **Mount. holes:** 3 (0) **A:** 92.00 **B:** 25.00

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BUHRER

	HC-CARGO	Model		Replacing	Information
10	**110462**	Various Models		9007044014, 0001362067, 538501, D9NN11000AA, D8NN11000CE, D8NN11000CB, D8NN11000CA, D7NN11000B, D4NN11000B, D2NN11000B, D1NN11000A, S13-61A, S13-61, AZJ3198, AZJ3182, 11.130.624, 11.130.579, NSB520, 27614, 27569A, 27569, 27515A, 27500J, 27500A, 27500, 27426, 26925155B, 26925155A, 26925, 63227569, 9144965, 9142765	**Voltage:** 12 **kW:** 2.8 **B+:** M8 **Total length:** 319.45 **Drive type:** Steel **Gear type:** DD **Mount. holes:** 3 (0) **A:** 92.00 **B:** 20.00

CASE

	HC-CARGO	Model		Replacing	Information
9	**111752**	100 Series, 1000 Series	100 (B), 125 (B), 1046	0001369016, 0001367001, 0001362300, 0001362063, 0001359074, 0001359014, 0001354080, 0001354073, AZJ3314, AZJ3242, 11.130.889, 11.130.704, 9142805, 19024257	**Voltage:** 12 **kW:** 2.7 **B+:** M10 **Total length:** 342.00 **Drive type:** Steel **Gear type:** DD **Mount. holes:** 3 (0) **A:** 89.00 **B:** 47.00
11	**110818**	1000 Series	1200, 1210, 1212	0001362084, 0001362060, AZJ3347, AZJ3204, 11.130.972, 11.130.630, S4523, NSB513, NSB415, 27463D, 27463A, 27463, 27423A, 27423, 27413D, 27413A, 27413, 26917, 26278, 63227528, 63227413, 63226845, 9142764, D11E59, D11E35	**Voltage:** 12 **kW:** 2.1 **B+:** M8 **15a:** 6.30 **Total length:** 309.00 **Drive type:** Steel **Gear type:** DD **Mount. holes:** 3 (0) **A:** 92.00 **B:** 24.60
10	**113429**	1000 Series	1620, 1640, 1644	228000-6391, 228000-5621, 228000-5620, 228000-5603, 228000-5601, 228000-5600, 128000-9801, AZF4611, AZF4577, 11.131.300, 11.131.117, 10465537, 10461645	**Voltage:** 12 **kW:** 4.2 **B+:** M10 **Total length:** 326.00 **Drive type:** Steel **Gear type:** GR **Mount. holes:** 3 (0) **A:** 91.90 **B:** 47.50
10	**110438**	200 Series, 400 Series	250, 275, 276, 414	27420B, 27420A, 27420, 26925188D, 26925188A, 26288F, 26288E, 26288A, 26288, 26193	**Voltage:** 12 **kW:** 2.1 **B+:** M8 **Total length:** 309.00 **Drive type:** Steel **Gear type:** DD **Mount. holes:** 3 (0) **A:** 89.00 **B:** 19.50
9	**110536**	3000 Series	Various Models	26025155A, 0001367004, 0001362313, 0001362311, 0001362305, 0001362091, 0001362034, 0001362016, R11K, R11.12, AZJ3508, AZJ3170, AZJ3169, AZJ3128, AZJ0402, 11.130.552, 11.130.551, 11.130.484, 11.130.117, 61924050, MT74G, MT68T, 943252071010, 9142803, 9142802, 19024824, 19024252, 19024235, 19024224	**Voltage:** 12 **kW:** 2.7 **B+:** M10 **Total length:** 234.00 **Drive type:** Steel **Gear type:** GR **Mount. holes:** 3 (0) **A:** 89.00 **B:** 28.00

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CASE

	HC-CARGO	Model		Replacing	Information
10	**112660**	400 Series	454, 474, 485	0001367042, 0001362310, 0001359069, 0001359045, AZJ3364, AZE4217, 11.132.010, 11.131.038, 529965EX, 27604, 27586, 27575, 27556, 27508D, 27508B, 27508A, 27508, 26925262B, 26433, 26428A, 63227508, 1107867, 1107862	**Voltage:** 12 **kW:** 2.8 **B+:** M10 **Total length:** 333.00 **Drive type:** Steel **Gear type:** DD **Mount. holes:** 3 (0) **A:** 88.80 **B:** 48.00
10	**113269**	400 Series	421	0001359094, 9144702, 9142709, 9142702, 446115144702, 444115144702, 443115144702, 443115142709, 443115142702, D11E146, D11E118	**Voltage:** 12 **kW:** 3.0 **B+:** M10 **Total length:** 234.50 **Drive type:** Steel **Gear type:** GR **Mount. holes:** 3 (0) **A:** 88.80 **B:** 31.50
10	**114002**	400 Series	420CT	0001262022, 0001230021, AZF4591, 11.131.352	**Voltage:** 12 **kW:** 4.2 **B+:** M10 **Total length:** 316.00 **Drive type:** Steel **Gear type:** GR **Mount. holes:** 3 (0) **A:** 89.00 **B:** 27.00
13	**110627**	400 Series, 500 Series	450 (C), 480 (CK), 580	228000-8410, 028000-5884, 028000-5883, 028000-5882, 028000-5881, 028000-5880	**Voltage:** 12 **kW:** 2.5 **B+:** M8 **Total length:** 291.00 **Drive type:** Steel **Gear type:** GR **Mount. holes:** 3 (0) **A:** 89.00 **B:** 47.60
11	**112135**	400 Series, 500 Series, 800 Series	433, 533, 833, 833 (A)	0001369018, 0001362301, 0001362064, 0001359075, 0001359019, 0001354074, AZJ3317, AZJ3243, 11.130.895, 11.130.705	**Voltage:** 12 **kW:** 3.1 **B+:** M10 **Total length:** 315.50 **Drive type:** Steel **Gear type:** DD **Clutch type:** Dry **Mount. holes:** 3 (0) **A:** 88.80 **B:** 22.00
13	**113725**	500 Series, 1000 Series	580, 1840, 1845 (C)	428000-1860, 428000-1850, 228000-9100, 228000-6981, 228000-6980, 228000-4671, 228000-4670, 11.131.275, 10465540	**Voltage:** 12 **kW:** 2.5 **B+:** M10 **Total length:** 300.00 **Drive type:** Steel **Gear type:** DD **Mount. holes:** 2 (0) **A:** 88.60 **B:** 49.00
9	**111885**	5000 Series	5130 (Maxxum), 5140 (Maxxum), 5150 (Maxxum)	0001369025, 0001369019, 0001369007, 0001367072, 0001367019, AZJ3236, AZJ3216, 11.130.695, 11.130.664	**Voltage:** 12 **kW:** 3.1 **B+:** M10 **Total length:** 332.50 **Drive type:** Steel **Gear type:** DD **Mount. holes:** 3 (0) **A:** 89.00 **B:** 48.00 *Oil and waterproof.*

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CASE

	HC-CARGO	Model		Replacing	Information
10	**114449**	5000 Series	5130, 5140	228000-6872, 228000-6871, 228000-6870	**Voltage:** 12 **kW:** 4.0 **B+:** M10 **Total length:** 318.00 **Drive type:** Steel **Gear type:** GR **Mount. holes:** 3 (0) **A:** 89.00 **B:** 47.50
10	**112169**	800 Series, Various Models	880	1993954, 1993903, 10479108	**Voltage:** 24 **kW:** 4.5 **B+:** 3/8" UNF **Total length:** 401.00 **Drive type:** Steel **Gear type:** DD **Mount. holes:** 3 (0) Oil sealed **A:** 89.00 **B:** 46.00 *Replacing: 37MT.*
11	**112089**	9000 Series	9150, 9180, 9250	228000-1211, 228000-1210, 128000-1340, SA768A, E8HZ11002HA, E8HZ11002A, E8HT11001AA, E6HZ11002D, E6HZ11002C, E6HT11001CA, C6TZ11002E, 323-871, 1993977, 1993856, 1993816, 1993813, 1993807, 1993803, 1990495, 1990490, 1990483, 1990478	**Voltage:** 12 **B+:** M12 **B-:** M12 **15a:** M5 **Total length:** 500.00 **Drive type:** Steel **Gear type:** DD **Clutch type:** Wet **Mount. holes:** 3 (0) Insulated return Oil sealed **A:** 92.00 **B:** 46.00 *Replacing: 42MT.*
10	**114050**	Puma	Various Models	0001230022, AZF4535, AZF4135, AZF4122, 11.131.520, 11.131.464, 11.130.999	**Voltage:** 12 **kW:** 4.2 **B+:** M10 **30h:** M10 **Total length:** 317.00 **Gear type:** GR **Mount. holes:** 3 (0) **A:** 89.00 **B:** 27.50
9	**110523**	Various Models		0001368088, 0001368007, 0001368001, 0001360035, 0001360030, 0001360014, 0001360012, 0001360003, LNS4524/17, 859539, R10.08, 6090000, AZJ3518, AZJ3132, 11.130.491, 11.130.172, 11.130.141, 11.130.075, 61924051, 26025117A, 9174602, 9124310, 443115174602, 19024813, 19024234, 19024226	**Voltage:** 24 **kW:** 4.8 **B+:** M10 **Drive type:** Steel **Gear type:** DD **Mount. holes:** 3 (0) **A:** 89.00 **B:** 27.50
12	**110999**	Various Models		0001420013, 0001420009, 0001420005, 0001420004, 0001420003, 0001420001, 228000-0070, 128000-7520, 128000-7510, M7T03777, M7T03774, M007T03777, M007T03774, MFY6601K, MFY6601I, MFY6401L, MFY6401K, MFY6201K, MFY6201I, 1993945, 1993833, 1993815, 1993814, 1993808, 1993804, 1993797, 1993796, 1993704, 1990809, 1990497, 9G4338	**Voltage:** 24 **B+:** M12 **B-:** M12 **Total length:** 499.50 **Drive type:** Steel **Gear type:** DD **Mount. holes:** 3 (0) Insulated return Oil sealed **A:** 92.00 **B:** 46.50 *Replacing: 42MT.*

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CASE

	HC-CARGO	Model		Replacing	Information
9	**111259**	Various Models		1998305, 1109568, 1109430, 1108511	**Voltage:** 12 **kW:** 1.3 **B+:** M10 **15a:** M5 **Total length:** 305.00 **Drive type:** Steel **Gear type:** DD **Clutch type:** Dry **Mount. holes:** 3 (0) **A:** 88.70 **B:** 19.00 *Replacing: 10MT.*
9	**111260**	Various Models		1998313, 1109446, 1107681, 1107655	**Voltage:** 12 **kW:** 1.4 **B+:** M10 **15a:** M4 **Total length:** 277.50 **Drive type:** Steel **Gear type:** DD **Mount. holes:** 2 (0) **A:** 82.35 **B:** 17.75 *Replacing: 10MT.*
10	**111760**	Various Models		0-23000-2470, 0-23000-2270, 0-23000-2040, 0-23000-2031, 0-23000-2030, 1998488, 1113594, 1113294, 1113291, 1113277, 10479656, 10479623, 10479622, 10479616, 10461486	**Voltage:** 24 **kW:** 4.5 **B+:** M10 **Total length:** 339.00 **Drive type:** Steel **Gear type:** GR **Clutch type:** Wet **Mount. holes:** 3 (0) Oil sealed **A:** 89.00 **B:** 45.00 *Replacing: 7MT, 28MT.*
12	**112243**	Various Models		1993910, 1993909, 1993902, 1993901, 1993732, 1993729, 1993707, 1990332, 1990330, 1113541, 1113536	**Voltage:** 24 **B+:** 1/2" UNC **15a:** 1/4" UNC **Total length:** 401.50 **Drive type:** Steel **Gear type:** DD **Clutch type:** Dry **Mount. holes:** 3 (0) Oil sealed **A:** 92.00 **B:** 48.00 *Replacing: 37MT.*
10	**112256#**	Various Models		1993986, 1993741, 1993701, 1990499	**Voltage:** 24 **kW:** 7.0 **B+:** 1/2" UNC **15a:** M5 **30h:** 1/4" UNC **Total length:** 402.00 **Drive type:** Steel **Gear type:** DD **Clutch type:** Wet **Mount. holes:** 3 (0) Oil sealed **A:** 89.00 **B:** 47.45 *Replacing: 37MT.*
10	**114196**	Various Models		0001263020, 0001263019, 0001231027, 0001231026, AZF4295, 11.132.094	**Voltage:** 24 **kW:** 4.0 **B+:** M10 **Total length:** 317.00 **Gear type:** GR **Mount. holes:** 3 (0) **A:** 89.00 **B:** 27.60
10	**114399**	Various Models		428000-3140	**Voltage:** 12 **kW:** 2.7 **B+:** M10 **Total length:** 296.00 **Drive type:** Steel **Gear type:** GR **Mount. holes:** 2 (0) **A:** 89.00 **B:** 26.50

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CASE

	HC-CARGO	Model		Replacing	Information
9	**113184**	Various Models		1368069	**Voltage:** 24 **kW:** 4.0 **B+:** M10 **Total length:** 340.00 **Drive type:** Steel **Gear type:** DD **Mount. holes:** 3 (0) **A:** 88.70 **B:** 48.00

CATERPILLAR

	HC-CARGO	Model		Replacing	Information
10	**110449**	B Series	Various Models	870644, Z1320F515, S115A12-1, CA45H12-2, CA45G12-51A, CA45G12-51, CA45G12-2M, CA45G12-2, CA45F12-Y81, AZK5133, 11.139.038, 11.130.320	**Voltage:** 12 **kW:** 3.6 **B+:** M8 **Total length:** 370.00 **Drive type:** Steel **Gear type:** DD **Mount. holes:** 3 (0) **A:** 88.90 **B:** 48.75
12	**113695**	Farm	75, 85	0001371001, 1993918, 1993831, 10478960, 10478811, 10461405, 10461402	**Voltage:** 24 **kW:** 6.0 **B+:** M12 **Total length:** 433.50 **Drive type:** Steel **Gear type:** DD **Mount. holes:** 3 (0) Oil sealed **A:** 89.00 **B:** 47.00 *Replacing: 37MT.*
11	**114280**	Various Models		ME108364, ME108080, M8T80472A, M8T80472, M8T80471A, M8T80471, M008T80472A, M008T80472, M008T80471A	**Voltage:** 24 **kW:** 3.2 **B+:** M8 **Total length:** 241.00 **Gear type:** GR **Mount. holes:** 2 (0) **A:** 77.00 **B:** 10.40

CHANG FENG (LIEBAO)

	HC-CARGO	Model		Replacing	Information
11	**110545**	3300 Series	3320	0001367067, 0001367032, 0001359124, 0001359047, R11N, R11F, R11A, R11.10, R11.06, R11.01, AZJ3599, AZJ3525, AZJ3319, AZJ3234, AZJ3119, 11.130.897, 11.130.692, 11.130.414, 11.130.376, NSB523, LRS926, 27587, 27512D, 27512A, 27512, 26432, 26342K, 26342D, 26342A, 26342, 26284E, 26284, 63227512, 91455722, 9144722, 9142741, 443115144729, 443115144620, 443115144420, 44311514442	**Voltage:** 12 **kW:** 3.0 **B+:** M10 **Total length:** 335.00 **Drive type:** Steel **Gear type:** DD **Mount. holes:** 3 (0) **A:** 89.00 **B:** 48.00
11	**114254**	3300 Series	3320	AZJ3405, AZJ3247, 11.131.249, 11.130.710, 9142722, 443115144722	**Voltage:** 12 **kW:** 2.7 **B+:** 9.70 **Total length:** 237.00 **Gear type:** GR **Mount. holes:** 3 (0) **A:** 89.00 **B:** 49.40

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CLAAS

	HC-CARGO	Model		Replacing	Information
9	**113268**	Dominator	106	0001314016, 0001307035, 0001109012	**Voltage:** 12 **kW:** 1.6 **B+:** M8 **Total length:** 255.50 **Drive type:** Steel **Gear type:** GR **Mount. holes:** 2 (0) **A:** 82.40 **B:** 22.00
9	**110539**	Dominator, Jaguar	106, 680, 685 SL	0001418014, 0001413017, 19024008	**Voltage:** 12 **kW:** 3.6 **B+:** M10 **B-:** M10 **Total length:** 384.50 **Drive type:** Steel **Gear type:** DD **Mount. holes:** 3 (0) **A:** 92.00 **B:** 47.00
9	**110525**	Dominator, Various Models	85	9007044002, 9000083054, 9000083028, 0001367303, 0001367301, 0001367300, 0001367059, 0001367034, 860130, 860109, 2998000, AZJ3548, AZJ3118, 11.130.412, 11.130.229, 26417, 9142746, 443115144726, 35259380, 19024223, 19024205	**Voltage:** 12 **kW:** 3.0 **B+:** M10 **Total length:** 341.00 **Drive type:** Steel **Gear type:** DD **Mount. holes:** 3 (0) **A:** 89.00 **B:** 48.00
9	**110206**	Jaguar	690	0001416079, 0001416078, 0001416023, 0001416002, 0001415027, 0001415001, 0001410088, 0001410002, 860508, 857470, S115HD24-1, 2998011, 1403000, R23.08, 6080000, AZK5545, AZK5401, 11.139.506, 11.130.041, 9125330, 9125260, 9125220, 19024109, 19024025, 19024010	**Voltage:** 24 **kW:** 5.4 **B+:** M12 **B-:** M10 **Total length:** 390.00 **Drive type:** Steel **Gear type:** DD **Mount. holes:** 3 (0) **A:** 92.00 **B:** 47.50
9	**110536**	Various Models		26025155A, 0001367004, 0001362313, 0001362311, 0001362305, 0001362091, 0001362034, 0001362016, R11K, R11.12, AZJ3508, AZJ3170, AZJ3169, AZJ3128, AZJ0402, 11.130.552, 11.130.551, 11.130.484, 11.130.117, 61924050, MT74G, MT68T, 943252071010, 9142803, 9142802, 19024824, 19024252, 19024235, 19024224	**Voltage:** 12 **kW:** 2.7 **B+:** M10 **Total length:** 234.00 **Drive type:** Steel **Gear type:** GR **Mount. holes:** 3 (0) **A:** 89.00 **B:** 28.00
9	**110775**	Various Models		0001362038, 0001362028, 0001362027, 0001362004, 0001362003	**Voltage:** 12 **kW:** 1.8 **B+:** M10 **Total length:** 288.00 **Drive type:** Steel **Gear type:** DD **Clutch type:** Wet **Mount. holes:** 2 (0) **A:** 83.00 **B:** 20.00
12 NEW PRODUCT www.hc-cargo.com	**115326**	Various Models		428000-3630	**Voltage:** 12 **kW:** 5.0 **B+:** 1/2" UNC **B-:** 1/2" UNC **Gear type:** GR **Mount. holes:** 3 (0) Insulated return **A:** 92.00 **B:** 45.50

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CUB CADET

	HC-CARGO	Model		Replacing	Information
13	**112150**	1000 Series	Garden 1340, Lawn 1315	SM56670, SM52784, SM52397, 6734620MO30SM, 5667040MO30SM, 5667040-M030SM, 5278440MO30SM	**Voltage:** 12 **B+:** 1/4" UNC **Total length:** 202.00 **Drive type:** Steel **Gear type:** DD **Mount. holes:** 2 (0) **B:** 17.00
9	**112546**	1000 Series	Garden 1863, Garden 1864	228000-2640, 128000-7480, 10455516, 10455513, 5174740	**Voltage:** 12 **kW:** 0.6 **B+:** M8 **Total length:** 205.60 **Drive type:** Steel **Gear type:** DD **Clutch type:** Wet **Mount. holes:** 2 (0) **A:** 63.00 **B:** 16.90
14	**113853**	1000 Series, 1600 Series	Compact 1170, Compact 1600	693551	**Voltage:** 12 **B+:** 1/4" UNC **Total length:** 170.00 **Drive type:** Bronze **Gear type:** PMDD **Mount. holes:** 3 (0) **B:** 13.00
9	**112831**	2000 Series	Garden 2072, Garden 2082	SM56664, SM52132, SM21349, 56666420MO30SM, 5666440MO30SM, 5666440-MO30SM, 5666420MO03SM	**Voltage:** 12 **kW:** 0.6 **B+:** M6 **Total length:** 246.50 **Drive type:** Steel **Gear type:** DD **Clutch type:** Dry **Mount. holes:** 2 (0) **A:** 63.50 **B:** 41.40
9 NEW PRODUCT www.hc-cargo.com	**115425**	5000 Series	5264	825222, 228000-5722, 228000-5721	**Voltage:** 12 **kW:** 1.3 **B+:** M8 **Gear type:** GR **Mount. holes:** 2 (2) **A:** 74.00 **B:** 20.00
10	**113015**	Garden	982, 1912, 1914	SM43790, SM43672, 4379040MO30SM, 4379040-M030SM, 4367240MO30SM, 4367240-M030SM	**Voltage:** 12 **B+:** M6 **Total length:** 228.75 **Drive type:** Bronze **Gear type:** DD **Clutch type:** Dry **Mount. holes:** 2 (0) **B:** 27.40
10	**114075**	Zero Turn		32-098-04, 32-098-03, 32-098-01	**Voltage:** 12 **B+:** M6 **Total length:** 221.00 **Gear type:** DD **B:** 18.00
9	**114823**	Zero Turn	Zero Turn	128000-5500	**Voltage:** 12 **kW:** 0.6 **B+:** M8 **Total length:** 182.00 **Gear type:** DD **Mount. holes:** 2 (0) Not Insulated return **A:** 66.00 **B:** 18.00

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DEUTZ-FAHR

	HC-CARGO	Model		Replacing	Information
9	**112071**	Agri	Agri 605	0001262002, 0001230014, 0001230006, AZF4514, AZF4197, AZF4194, 11.131.769, 11.131.754, 11.130.841	**Voltage:** 12 **kW:** 3.0 **B+:** M10 **Total length:** 315.80 **Drive type:** Steel **Gear type:** GR **Mount. holes:** 3 (0) **A:** 89.00 **B:** 28.80
9	**112555**	D Series, DX	D 6807, D 7007, DX 3.10	0001369024, 0001369014, 0001230014, AZJ3179, 11.130.567	**Voltage:** 12 **kW:** 3.1 **B+:** M10 **Total length:** 303.00 **Drive type:** Steel **Gear type:** DD **Clutch type:** Dry **Mount. holes:** 3 (0) **A:** 89.00 **B:** 28.50
9	**113467**	DX	DX 4.51, DX 6.31, DX 6.50	0001365004, AZJ3196, 11.130.619, 943252216010	**Voltage:** 12 **kW:** 3.7 **B+:** M10 **Total length:** 346.00 **Drive type:** Steel **Gear type:** DD **Clutch type:** Dry **Mount. holes:** 3 (0) **A:** 88.80 **B:** 28.00
9	**114220**	Various Models		0001231018, 0001101110, AZF4230, AZF4156, 11.131.863, 11.131.607	**Voltage:** 24 **kW:** 4.0 **B+:** M10 **Total length:** 315.00 **Gear type:** GR **Mount. holes:** 2 (0) **A:** 82.50 **B:** 25.00

DRONNINGBORG

	HC-CARGO	Model		Replacing	Information
10	**110443**	Various Models		0001362093, 0001362020, S12-84, NSB503, 27486, 27478, 27472, 27467, 27435A, 27435, 27417D, 27417B, 27417A, 27417, 26925194D	**Voltage:** 12 **kW:** 2.1 **B+:** M8 **Total length:** 309.00 **Drive type:** Steel **Gear type:** DD **Mount. holes:** 3 (0) **A:** 89.00 **B:** 29.50
10	**110449**	Various Models		870644, Z1320F515, S115A12-1, CA45H12-2, CA45G12-51A, CA45G12-51, CA45G12-2M, CA45G12-2, CA45F12-Y81, AZK5133, 11.139.038, 11.130.320	**Voltage:** 12 **kW:** 3.6 **B+:** M8 **Total length:** 370.00 **Drive type:** Steel **Gear type:** DD **Mount. holes:** 3 (0) **A:** 88.90 **B:** 48.75
10	**110460**	Various Models		0001367022, 0001359126, 27559E, 27559A, 27559, 27537B, 27537A, 27537, 27519D, 27519A, 27519, 27503D, 27503A, 26436B, 26436A	**Voltage:** 12 **kW:** 2.8 **B+:** M8 **Total length:** 307.50 **Drive type:** Steel **Gear type:** DD **Mount. holes:** 3 (0) **A:** 89.00 **B:** 29.50

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DRONNINGBORG

	HC-CARGO	Model		Replacing	Information
11	**110545**	Various Models		0001367067, 0001367032, 0001359124, 0001359047, R11N, R11F, R11A, R11.10, R11.06, R11.01, AZJ3599, AZJ3525, AZJ3319, AZJ3234, AZJ3119, 11.130.897, 11.130.692, 11.130.414, 11.130.376, NSB523, LRS926, 27587, 27512D, 27512A, 27512, 26432, 26342K, 26342D, 26342A, 26342, 26284E, 26284, 63227512, 91455722, 9144722, 9142741, 443115144729, 443115144620, 443115144420, 44311514442	**Voltage:** 12 **kW:** 3.0 **B+:** M10 **Total length:** 335.00 **Drive type:** Steel **Gear type:** DD **Mount. holes:** 3 (0) **A:** 89.00 **B:** 48.00
11	**114254**	Various Models		AZJ3405, AZJ3247, 11.131.249, 11.130.710, 9142722, 443115144722	**Voltage:** 12 **kW:** 2.7 **B+:** 9.70 **Total length:** 237.00 **Gear type:** GR **Mount. holes:** 3 (0) **A:** 89.00 **B:** 49.40

EICHER

	HC-CARGO	Model		Replacing	Information
10	**110439**	Various Models		9000143400, 0001362008, 6232, 6127, S12-87, S12-85, AZK5111, AZJ3544, AZJ3531, AZJ3248, AZJ3114, AZJ0404, 11.130.711, 11.130.408, 11.130.194, NSB509, 27488, 27480, 27474B, 27474A, 27474, 27470B, 27470A, 27470, 27469A, 27469, 27459A, 27459, D11E84, D11E155, D11E141	**Voltage:** 12 **kW:** 2.0 **B+:** M8 **Total length:** 309.50 **Drive type:** Steel **Gear type:** DD **Mount. holes:** 3 (0) **A:** 92.00 **B:** 25.00
10	**110565**	Various Models		9004475058, 0001367040, 6233, 538505, 538502, S13-74, S13-73B, S13-73, S12-73, AZJ3598, AZJ3536, AZJ3330, AZJ3305, AZJ3203, AZJ3144, AZJ3121, AZJ3117, AZJ3105, AZJ0405, AZE4244, NSB540, NSB531, NSB529, 54265233, 27606, 27599, 27594, 27583A, 27583, 27578, 27572B, 27572A, 27572, 19024817, D11E15H, D11E154, D11E137	**Voltage:** 12 **kW:** 2.8 **B+:** M8 **Total length:** 313.00 **Drive type:** Steel **Gear type:** DD **Mount. holes:** 3 (0) **A:** 89.00 **B:** 29.50
10	**110819**	Various Models		0001362049, AZJ3389, AZJ3206, AZJ3148, 11.131.162, 11.130.632, 11.130.520, S4515, NSB530, 27593A, 27593, 27584, 27582, 27580, 27571B, 27571A, 27571, 27546B, 27546A, 27546, 63227488, 63227480, 63227470, 27593A, 27571, 27540, 27522, 19024821	**Voltage:** 12 **kW:** 2.8 **B+:** M8 **Total length:** 311.00 **Drive type:** Steel **Gear type:** DD **Mount. holes:** 3 (0) **A:** 92.00 **B:** 23.00

FENDT

	HC-CARGO	Model		Replacing	Information
10	**113353**	900, 800	800 Series, 900 Series	1368311	**Voltage:** 24 **kW:** 4.0 **B+:** M10 **Total length:** 340.00 **Drive type:** Steel **Gear type:** DD **Mount. holes:** 3 (0) **A:** 88.80 **B:** 27.50

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FENDT

	HC-CARGO	Model		Replacing	Information
9	**111332**	Farmer	105S, 300 SERIES, 600, 610	0001362341, 0001362314, 0001362306, 0001362043, 0001362025, 0001359072, AZJ3244, AZJ3219, AZJ3218, 11.130.706, 11.130.670, 11.130.669, 9142801, 9142701, 443115142801, 443115142701, D11E158, D11E131, D11E120	**Voltage:** 12 **kW:** 2.7 **B+:** M8 **Total length:** 293.55 **Drive type:** Steel **Gear type:** DD **Mount. holes:** 3 (0) **A:** 89.00 **B:** 21.00
9,12	**114475**	Vario	Various Models	AZF4310, AZF4231, AZF4178, 11.132.138, 11.131.864, 11.131.686	**Voltage:** 12 **kW:** 4.0 **B+:** M10 **Total length:** 321.50 **Drive type:** Steel **Gear type:** GR **Mount. holes:** 3 (0) **A:** 89.00 **B:** 28.00
12 NEW PRODUCT www.hc-cargo.com	**114838**	Vario	Various Models	M9T50471, M009T50471	**Voltage:** 12 **kW:** 4.5 **B+:** M10 **Gear type:** GR **Mount. holes:** 3 (0) **A:** 88.80 **B:** 26.00
9	**112039**	Various Models		0001366004, 0001362076, 0001362040, 0001362018, 0001362017, 0001358038, 0001354091, 0001354012, AZJ3192, AZJ3123, 11.130.612, 11.130.432, MT71GB, 63217158, 063217158010	**Voltage:** 12 **kW:** 2.7 **B+:** M10 **Total length:** 295.00 **Drive type:** Steel **Gear type:** DD **Mount. holes:** 2 (0) **A:** 82.50 **B:** 21.00

FERRARI

	HC-CARGO	Model		Replacing	Information
9	**112172**	1100, 1300	1100, 1300	0001314001, 0001115035, 0001110042, 0001110041, 0001110028, 0001109009	**Voltage:** 12 **kW:** 1.6 **B+:** M8 **30h:** M5 **Total length:** 267.50 **Drive type:** Steel **Gear type:** GR **Clutch type:** Dry **Mount. holes:** 2 (0) **A:** 76.00 **B:** 28.00
9,10	**112034**	300	305, 306	0001214002, 0001115042, 0001110033, 0001109029, AZE2636, 11.131.157, AZE2636, 11.131.157, 63221435, 63221405	**Voltage:** 12 **kW:** 1.7 **B+:** M8 **Total length:** 233.30 **Drive type:** Steel **Gear type:** GR **Mount. holes:** 2 (0) **A:** 76.00 **B:** 27.00
9	**110844**	40	40 WDT	0001218122, 0001218011	**Voltage:** 12 **kW:** 2.2 **B+:** M8 **Total length:** 278.45 **Drive type:** Steel **Gear type:** GR **Mount. holes:** 2 (0) **A:** 82.50 **B:** 17.20

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FERRARI

	HC-CARGO	Model		Replacing	Information
9	**113268**	70, 700	72S, 718	0001314016, 0001307035, 0001109012	**Voltage:** 12 **kW:** 1.6 **B+:** M8 **Total length:** 255.50 **Drive type:** Steel **Gear type:** GR **Mount. holes:** 2 (0) **A:** 82.40 **B:** 22.00

FIAT

	HC-CARGO	Model		Replacing	Information
9	**110522**	100, 110, 115, 130	100.90, 110.90, 115.90, 130.90	0986012720, 0001367029, 0001359122, 0001230009, R11C, R11.03, AZJ3594, AZJ3461, AZJ3237, 11.139.455, 11.130.697, 11.130.366, MT68LC, MT68LB, MT68LA, MT68L, 63216898, 63216896, 63216873, 4755110, 063216896010, 443115144723, 19024253, 19024202, 455669	**Voltage:** 12 **kW:** 3.0 **B+:** M10 **Total length:** 341.00 **Drive type:** Steel **Gear type:** DD **Mount. holes:** 3 (0) **A:** 110.00 **B:** 26.50
9,10	**110529**	1000, 1100	1000, S, DT, DTS, 1180	0001367082, 0001367028, 0001367023, 0001359102, 0001359021, 2998200, R11W, R11.07, AZJ3582, AZJ3535, AZJ3517, AZJ3116, AZJ3110, 11.130.410, 11.130.403, 11.130.322, 11.130.199, MT68MB, MT68MA, MT68AD, MT68AC, MT68AB, MT68AA, MT68A, MT62BA, M125M3-Z9(3/12), M125-3/12, 63224600, 9144744, 19024272, 19024230, DM2138	**Voltage:** 12 **kW:** 3.0 **B+:** M10 **Total length:** 340.50 **Drive type:** Steel **Gear type:** DD **Mount. holes:** 3 (0) **A:** 110.00 **B:** 30.00
9	**110521**	120	129-16	0001368019, 0001360043, 0001360015, AZJ3546, AZJ3459, AZJ3133, AZF3542, 11.139.453, 11.130.492, 11.130.225, MT67DB, MT67DA, MT67D, MT67AD, MT67AC, MT67AB, MT67AA, MT67A, 63224580, 63224170, 63216748, 9142320, 19024273, 19024231	**Voltage:** 24 **kW:** 4.0 **B+:** M10 **Total length:** 343.00 **Drive type:** Steel **Gear type:** DD **Mount. holes:** 3 (0) **A:** 110.00 **B:** 27.00
9	**113381**	400	404, 420, 440, 450, 455	AZJ3462, AZJ3195, AZJ3145, 11.139.456, 11.130.618, 11.130.510, 27430B, 27430A, 27430, MT71Z, 63217121	**Voltage:** 12 **kW:** 2.5 **B+:** M10 **B-:** M8 **Total length:** 340.00 **Drive type:** Steel **Gear type:** DD **Mount. holes:** 3 (0) **A:** 109.70 **B:** 26.00
11	**110213**	400, 500	420, 580, DT	0001417005, 0001411025, 0001410065, R22.07, 0070000, AZK5179, 11.139.020, 63226391, 63226301, 9125020, 19024053	**Voltage:** 24 **kW:** 6.6 **B+:** M12 **B-:** M10 **Total length:** 407.00 **Drive type:** Steel **Gear type:** DD **Mount. holes:** 3 (0) **A:** 115.00 **B:** 20.80

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FIAT-ALLIS

	HC-CARGO	Model		Replacing	Information
9	**110521**	65, FE, FR	65 B, FE 16, FR 7	0001368019, 0001360043, 0001360015, AZJ3546, AZJ3459, AZJ3133, AZF3542, 11.139.453, 11.130.492, 11.130.225, MT67DB, MT67DA, MT67D, MT67AD, MT67AC, MT67AB, MT67AA, MT67A, 63224580, 63224170, 63216748, 9142320, 19024273, 19024231	**Voltage:** 24 **kW:** 4.0 **B+:** M10 **Total length:** 343.00 **Drive type:** Steel **Gear type:** DD **Mount. holes:** 3 (0) **A:** 110.00 **B:** 27.00
12	**110999**	FA, FD	FA 150, FD 14E	0001420013, 0001420009, 0001420005, 0001420004, 0001420003, 0001420001, 228000-0070, 128000-7520, 128000-7510, M7T03777, M7T03774, M007T03777, M007T03774, MFY6601K, MFY6601I, MFY6401L, MFY6401K, MFY6201K, MFY6201I, 1993945, 1993833, 1993815, 1993814, 1993808, 1993804, 1993797, 1993796, 1993704, 1990809, 1990497, 9G4338	**Voltage:** 24 **B+:** M12 **B-:** M12 **Total length:** 499.50 **Drive type:** Steel **Gear type:** DD **Mount. holes:** 3 (0) Insulated return Oil sealed **A:** 92.00 **B:** 46.50 *Replacing: 42MT.*
11	**110347**	FA, FD, FE	FA 200, FD 14, FD 20, FE 45	0001420011, 0001420010, 0001420008, 0001420006, 0001420002, MS7-410C, 2311040, 1993840, 1990284, 1990276, 1990274, 1990273, 1990272, 1990271, 1990270, 1990269, 1990268, 1990266	**Voltage:** 24 **kW:** 7.5 **B+:** M12 **B-:** M12 **15a:** M4 **Total length:** 522.00 **Drive type:** Steel **Gear type:** DD **Mount. holes:** 3 (0) Insulated return Oil sealed **A:** 92.00 **B:** 47.00 *Replacing: 50MT.*
9	**110517**	FR, Various Models	FR 7	0001363111, 0001363101, 860104, AZJ3542, AZJ3520, 11.130.216, 11.130.146, MT72AB, MT72AA, MT72A, 63217226, 63217225, 63217201, 30281018, 9124320, 19024242	**Voltage:** 24 **kW:** 3.2 **B+:** M10 **Total length:** 295.00 **Drive type:** Steel **Gear type:** DD **Mount. holes:** 3 (0) **A:** 110.00 **B:** 27.00
9	**110520**	S	Various Models	0001368021, 0001360027, 0001360007, 0001359127, R10TA, R10.05, AZK5119, AZJ3593, 11.130.364, 11.130.170, 11.130.121, MT67BA, MT67B, MT43HA, 63216733, 63216702, 63214371, 63214333, 63214308, 30281027, 30281017, 443115174622, 19024201	**Voltage:** 24 **kW:** 4.0 **B+:** M10 **Total length:** 343.00 **Drive type:** Steel **Gear type:** DD **Mount. holes:** 3 (0) **A:** 89.00 **B:** 47.50
9	**110206**	Various Models		0001416079, 0001416078, 0001416023, 0001416002, 0001415027, 0001415001, 0001410088, 0001410002, 860508, 857470, S115HD24-1, 2998011, 1403000, R23.08, 6080000, AZK5545, AZK5401, 11.139.506, 11.130.041, 9125330, 9125260, 9125220, 19024109, 19024025, 19024010	**Voltage:** 24 **kW:** 5.4 **B+:** M12 **B-:** M10 **Total length:** 390.00 **Drive type:** Steel **Gear type:** DD **Mount. holes:** 3 (0) **A:** 92.00 **B:** 47.50

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FIAT-ALLIS

	HC-CARGO	Model		Replacing	Information
11	**110208**	Various Models		BNG4/24CRS162, 9000084018, 0001416076, 0001416021, 0001416009, 0001416008, 0001415016, 0001415004, 860504, 860121, R23.11, 6110000, 9125250, 19024576, 19024555, 19024099, 19024016, 19024015	**Voltage:** 24 **kW:** 5.4 **B+:** M10 **B-:** M10 **Total length:** 387.00 **Drive type:** Steel **Gear type:** DD **Mount. holes:** 3 (0) Oil sealed Waterproof **A:** 89.00 **B:** 48.50
9	**110210**	Various Models		0001417051, 0001417038, 0001417001, 0001411009, 0001410024, 860506, 860132, 857468, 2998010, R23.05, R22.05, R20.42, 6050000, 0050000, AZK5191, 11.139.032, 9125010, 19024051	**Voltage:** 24 **kW:** 6.6 **B+:** M12 **B-:** M10 **Total length:** 407.00 **Drive type:** Steel **Gear type:** DD **Mount. holes:** 3 (0) **A:** 92.00 **B:** 48.50
9	**110518**	Various Models		0001368020, 0001360063, LNS4524/20, 859542, 2998201, AZJ3515, AZJ3460, AZJ3131, 11.139.454, 11.130.490, 11.130.124, 61924031, MT67CB, MT67CA, MT67C, 63216741, 63216740, 63216703, 30281020, 063216741010, 9124330, 858320, 19024256, 19024232	**Voltage:** 24 **kW:** 4.0 **B+:** M10 **Total length:** 342.00 **Drive type:** Steel **Gear type:** DD **Mount. holes:** 3 (0) **A:** 110.00 **B:** 27.00
9	**110531**	Various Models		0001417036, 0001417017, 2998007, R22.12, R22.10, 6220000, 0120000, 0100000, 0090000, 19024071	**Voltage:** 24 **kW:** 6.6 **B+:** M12 **B-:** M10 **Total length:** 405.00 **Drive type:** Steel **Gear type:** DD **A:** 56.00 **B:** 37.00
11	**111000**	Various Models		0001371020, 0001371018, MS1A/25, MS1A/20, MS1/411AZ, MS1/401A, MS1-403A, MS1-401C, MS1-401A, MS1-401, MS1-124, MS1-103, 2998150, M4T95481, M004T95481, 855694, 199903, 1993924, 1993842, 1993810, 1993805, 1993802, 1993700, 1990838, 1990493, 1990491, 1990485	**Voltage:** 24 **kW:** 6.5 **B+:** M12 **B-:** M12 **Total length:** 497.50 **Drive type:** Steel **Gear type:** DD **Mount. holes:** 3 (0) Insulated return Oil sealed **A:** 92.00 **B:** 47.25 *Replacing: 42MT.*
10	**111041**	Various Models		0001362302, 0001359114, 0001359058, 0001359029, LNS2810, 9142740, 443115142740, 0-23000-1870, 0-23000-1830, 1998481, 1998387, 1998383, 1998336, 1113278, 1113275, 1109550, 1107580, 10465406, 10465046	**Voltage:** 12 **kW:** 2.8 **B+:** M10 **Total length:** 338.50 **Drive type:** Steel **Gear type:** GR **Clutch type:** Dry **Mount. holes:** 3 (0) **A:** 88.85 **B:** 46.25 *Replacing: 22MT, 27MT, 28MT.*

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FIAT-ALLIS

	HC-CARGO	Model		Replacing	Information
10	**111737**	Various Models		27502D, 27502A, 27502, 26369J, 26369H, 26369A, 26369, 26359F, 26359B, 26359A, 26359, 26294Q, 26294N	**Voltage:** 12 **kW:** 2.8 **B+:** M8 **Total length:** 314.75 **Drive type:** Steel **Gear type:** DD **Clutch type:** Wet **Mount. holes:** 3 (0) **A:** 89.00 **B:** 28.50
10	**113534**	Various Models		1367069	**Voltage:** 12 **kW:** 3.0 **B+:** M8 **Total length:** 342.00 **Drive type:** Steel **Gear type:** DD **Clutch type:** Dry **Mount. holes:** 3 (0) **A:** 88.85 **B:** 27.00

FORD

	HC-CARGO	Model		Replacing	Information
9	**110552**	1000 Series	1910	0001108181, 0001107078, S114-381	**Voltage:** 12 **kW:** 1.2 **B+:** M8 **Total length:** 194.00 **Drive type:** Steel **Gear type:** GR **Mount. holes:** 2 (0) **A:** 74.00 **B:** 20.00
11	**111275**	1000 Series	1710	M5T23172, M3T64172, M2T61371, M2T60271, M2T56475, M2T56472, M2T56471, M2T54671, M005T23172	**Voltage:** 12 **kW:** 2.0 **B+:** M8 **Total length:** 250.00 **Drive type:** Steel **Gear type:** GR **Mount. holes:** 2 (0) **A:** 82.40 **B:** 23.50
13	**111703**	1000 Series	1320, 1520, 1620	M2T63371, M002T63371	**Voltage:** 12 **kW:** 2.0 **B+:** M8 **Total length:** 250.00 **Drive type:** Steel **Gear type:** GR **Mount. holes:** 2 (0) **A:** 73.80 **B:** 19.50
9,11	**112177**	1000 Series	1320, 1520, 1530	SBA185086650, SBA185086551, M2T58971, M1T66081, M002T58971, M001T66081	**Voltage:** 12 **kW:** 1.7 **B+:** M8 **Total length:** 213.00 **Drive type:** Steel **Gear type:** GR **Clutch type:** Dry **Mount. holes:** 2 (0) **A:** 74.00 **B:** 20.00
11	**113696**	1900, 3400	1920, 3415	428000-0180, 228000-5123, 228000-5122, 228000-5121, 228000-5120, 228000-2970, SBA185086530	**Voltage:** 12 **kW:** 2.0 **B+:** M8 **Total length:** 219.00 **Drive type:** Steel **Gear type:** GR **Mount. holes:** 2 (0) **A:** 74.00 **B:** 20.00

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FORD

	HC-CARGO	Model		Replacing	Information
10	**110462**	2000 Series, 3000 Series	2000, 3000	9007044014, 0001362067, 538501, D9NN11000AA, D8NN11000CE, D8NN11000CB, D8NN11000CA, D7NN11000B, D4NN11000B, D2NN11000B, D1NN11000A, S13-61A, S13-61, AZJ3198, AZJ3182, 11.130.624, 11.130.579, NSB520, 27614, 27569A, 27569, 27515A, 27500J, 27500A, 27500, 27426, 26925155B, 26925155A, 26925, 63227569, 9144965, 9142765	**Voltage:** 12 **kW:** 2.8 **B+:** M8 **Total length:** 319.45 **Drive type:** Steel **Gear type:** DD **Mount. holes:** 3 (0) **A:** 92.00 **B:** 20.00
10	**112074**	7000 Series	7740, 7810, 7840	0001369023, 0001369020, 0001369015, 0001367006, F0NN11000CA, F0NN11000BA, 898821291, 89821291, 82013922, 82007917, 82005342, 81866002, 3918688, AZJ3201, 11.131.705, 11.130.627, 9142766	**Voltage:** 12 **kW:** 3.1 **B+:** M8 **Drive type:** Steel **Gear type:** DD **Mount. holes:** 3 (0) **A:** 92.00 **B:** 21.00
9,11,12	**111300**	Various Models		SBA185086500, SBA185086410, M8T70071, M2T58981, M2T54091, M2T54085, M2T54083, M008T70071, M002T58981, M002T54091, M002T54085	**Voltage:** 12 **kW:** 1.4 **B+:** M8 **Total length:** 228.00 **Drive type:** Steel **Gear type:** GR **Mount. holes:** 2 (0) **A:** 74.00 **B:** 21.00
10	**113125**	Various Models		SA764A, SA-764A, E9HZ11002A, E9HT11001BA, 323-840, 1993854, 1993767, 1990347, 10461011, 10461006	**Voltage:** 12 **B+:** 1/2" UNC **Total length:** 401.50 **Drive type:** Steel **Gear type:** DD **Clutch type:** Wet **Mount. holes:** 3 (0) Oil sealed **A:** 92.00 **B:** 48.25 *Replacing: 37MT, 41MT.*

GOLDONI

	HC-CARGO	Model		Replacing	Information
9	**113268**	700	718	0001314016, 0001307035, 0001109012	**Voltage:** 12 **kW:** 1.6 **B+:** M8 **Total length:** 255.50 **Drive type:** Steel **Gear type:** GR **Mount. holes:** 2 (0) **A:** 82.40 **B:** 22.00
9	**110844**	Various Models		0001218122, 0001218011	**Voltage:** 12 **kW:** 2.2 **B+:** M8 **Total length:** 278.45 **Drive type:** Steel **Gear type:** GR **Mount. holes:** 2 (0) **A:** 82.50 **B:** 17.20
9 NEW PRODUCT www.hc-cargo.com	**115423**	Various Models		0001366003, 0001362058, 0001354089, MTL12-10, AZJ3552, AZJ3150, AZJ3138, AZJ0102, 11.130.525, 11.130.501, 11.130.248, 11.130.019, MT74BA, MT74A, MT71LA, MT71HB, 63217433, 63217180, 63217173	**Voltage:** 12 **kW:** 3.0 **B+:** M10 **Total length:** 322.00 **Gear type:** DD **Mount. holes:** 2 (0) Not Insulated return **A:** 82.50 **B:** 21.00

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GRASSHOPPER

	HC-CARGO	Model		Replacing	Information
8	**114686**	Lawn mower	722d	M0T88081	**Voltage:** 12 **kW:** 1.3 **B+:** M8 **Total length:** 201.50 **Drive type:** Steel **Gear type:** GR **Mount. holes:** 2 (0) **A:** 66.00 **B:** 18.50

HATTAT TARIM

	HC-CARGO	Model		Replacing	Information
10	**113655**	A-Series	A-Series	428000-1290, 63280041	**Voltage:** 12 **kW:** 3.0 **B+:** M8 **Total length:** 291.00 **Drive type:** Steel **Gear type:** GR **Clutch type:** Dry **Mount. holes:** 3 (0) **A:** 89.00 **B:** 30.50
10	**114388**	A-Series	A-Series	9HT12010A6A, AZF4545, AZE4220, AZE4201, AZE4197, AZE4175, AZE4173, AZE4170, AZE4150, 11.132.036, 11.131.989, 9142903, 860715	**Voltage:** 12 **kW:** 3.2 **B+:** M8 **B-:** M8 **30h:** M10 **Total length:** 296.50 **Gear type:** DD **Mount. holes:** 3 (0) **A:** 89.00 **B:** 32.50 *Iskra version.*

HITACHI

	HC-CARGO	Model		Replacing	Information
11	**114324**	Excavators	Zaxis 135US	0-24000-3251, 0-24000-3250, 0-24000-3123, 0-24000-3122, 0-24000-3120	**Voltage:** 24 **kW:** 4.5 **Gear type:** GR **Mount. holes:** 2 (0) **A:** 95.00

HOUGH

	HC-CARGO	Model		Replacing	Information
10	**112668**	Various Models		0-23000-2070, 1113284, 1113248, 10461483	**Voltage:** 12 **kW:** 2.5 **B+:** M10 **15a:** M5 **Total length:** 338.00 **Drive type:** Steel **Gear type:** GR **Clutch type:** Wet **Mount. holes:** 3 (0) **A:** 89.00 **B:** 46.00 *Replacing: 28MT.*

HUERLIMANN

	HC-CARGO	Model		Replacing	Information
11	**110530**	Various Models		EJD3/12BR3, 0004314011, 0001367013, 0001362035, 0001362022, 0001362009, 0001359108, 0001359004, AZJ3556, AZJ3537, AZJ3503, AZJ3149, 11.130.521, 11.130.253, 11.130.201, 11.130.083, MT68PB, MT68PA, MT68P, 63217138, 63216884, 63216876, 63216814, 063216884010, 063216876010, 9144821, 9144743, 9142880, 443115144743, 19024238	**Voltage:** 12 **kW:** 3.0 **B+:** M10 **Total length:** 342.00 **Drive type:** Steel **Gear type:** DD **Mount. holes:** 2 (0) **A:** 82.00 **B:** 22.00

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ISEKI

	HC-CARGO	Model		Replacing	Information
15	**110933**	2100, Various Models	2140	MM409414, MM409410, M2T50391, M2T50381, M2T50371, M002T50391, M002T50381, M002T50371	**Voltage:** 12 **kW:** 1.4 **B+:** M8 **Total length:** 228.00 **Drive type:** Steel **Gear type:** GR **Mount. holes:** 2 (0) **A:** 76.90 **B:** 29.25
9	**111683**	4000	4451	228000-5382, 228000-4293, 228000-4292, 228000-4291, 228000-4290, 228000-3852, 228000-3851, S13-136, 03101-3031, 03101-3030	**Voltage:** 12 **kW:** 2.0 **B+:** M8 **Total length:** 232.50 **Drive type:** Steel **Gear type:** GR **Clutch type:** Dry **Mount. holes:** 2 (0) **A:** 95.00 **B:** 19.50
9	**111098**	SL	SL 3410, 3610, 3615, 3645	S114-385	**Voltage:** 12 **kW:** 1.0 **B+:** M8 **Total length:** 212.50 **Drive type:** Steel **Gear type:** GR **Mount. holes:** 2 (0) **A:** 80.00 **B:** 21.60

JACOBSEN

	HC-CARGO	Model		Replacing	Information
9	**114055**	Lawn Mower	Lawn Mower	0001218776, 0001218176, 0001109357	**Voltage:** 12 **kW:** 2.3 **B+:** M8 **Total length:** 273.00 **Drive type:** Steel **Gear type:** GR **Mount. holes:** 2 (0) **A:** 82.50 **B:** 21.00

JCB

	HC-CARGO	Model		Replacing	Information
11	**114483**	Excavators	Excavators	0-24000-3261, 0-24000-3260	**Voltage:** 24 **kW:** 4.5 **B+:** M10 **Total length:** 230.10 **Gear type:** GR **Mount. holes:** 3 (0) **A:** 10.50 **B:** 41.00
11	**114264**	Various Models		AZF4576, AZF4224, AZF4181, 11.131.848, 11.131.697, 11.131.292	**Voltage:** 12 **kW:** 4.2 **B+:** M10 **Total length:** 349.50 **Gear type:** GR **Mount. holes:** 3 (0) **A:** 89.00 **B:** 21.00
9	**114320**	Various Models		0001230013, AZF4229	**Voltage:** 12 **kW:** 3.0 **B+:** M10 **Total length:** 316.00 **Drive type:** Steel **Gear type:** GR **Clutch type:** Dry **Mount. holes:** 2 (0) **A:** 82.50 **B:** 23.00

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JOHN DEERE

	HC-CARGO	Model		Replacing	Information
9	**114055**	76F, 100F	76F (Orchard), 100F (Orchard)	0001218776, 0001218176, 0001109357	**Voltage:** 12 **kW:** 2.3 **B+:** M8 **Total length:** 273.00 **Drive type:** Steel **Gear type:** GR **Mount. holes:** 2 (0) **A:** 82.50 **B:** 21.00
10	**111221**	400	482 (Cotton Pickers), 484 (Cotton Pickers)	35259580, 0-23000-2060, 1113271, 1109251, 1107871, 1107863, 1107599, 1107577	**Voltage:** 12 **kW:** 2.5 **B+:** M10 **15a:** M5 **Total length:** 322.00 **Drive type:** Steel **Gear type:** GR **Clutch type:** Dry **Mount. holes:** 2 (0) **A:** 82.40 **B:** 33.00 *Replacing: 28MT.*
10	**111224**	900, 4000 Series	985, 4450, 4455	128000-9680, 128000-5913, 128000-5912, 128000-5911, 128000-5910, 128000-0772, 128000-0771, C3OF11001B, AZJ3297, AZJ3215, 11.130.860, 11.130.663, 1993988, 1993894, 1993886, 1993881, 1993799, 1993790, 1993769, 1993762, 1993754, 1993712, 1993705	**Voltage:** 12 **kW:** 4.0 **B+:** M10 **Total length:** 402.50 **Drive type:** Steel **Gear type:** GR **Mount. holes:** 3 (0) Oil sealed **A:** 88.90 **B:** 47.60 *Replacing: 37MT.*
10	**111755**	1000 Series	1032, 1042, 1052	0001369022, 0001369005, 0001369001, 0001367078, 0001367075, 0001367037, 0001362316, 0001362312, AZJ3283, AZJ3274, AZJ3181, AZJ3158, AZJ3157, AZF4596, AZF4521, 11.131.374, 11.130.819, 11.130.793, 63206834, 063206834010, 9142700	**Voltage:** 12 **kW:** 3.0 **B+:** M10 **Total length:** 342.00 **Drive type:** Steel **Gear type:** DD **Mount. holes:** 2 (0) **A:** 82.00 **B:** 34.00
13	**114400**	1445, 1545	1445 (Mower), 1545 (Mower)	228000-8090	**Voltage:** 12 **kW:** 1.0 **B+:** M8 **Total length:** 190.00 **Gear type:** GR **A:** 95.00 **B:** 20.00
9	**113900**	4000 Series	4120, 4320, 4520	F000AL0115, 6004AA3014, 0001109331, 0001109330, AZE6544, 11.131.750	**Voltage:** 12 **kW:** 2.2 **B+:** M8 **Total length:** 239.50 **Drive type:** Steel **Gear type:** DD/GR **Clutch type:** Dry **Mount. holes:** 2 (0) **A:** 82.50 **B:** 26.00
10	**113478**	5000 Series	5210, 5310, 5410	0001230005, 0001230003, 0001223502, AZE4620, AZE4603, AZE4534, 11.131.221, 11.131.108, 11.131.063, 26024033A, D7R14, 187031	**Voltage:** 12 **kW:** 2.8 **B+:** M10 **15a:** M5 **Total length:** 303.50 **Drive type:** Steel **Gear type:** DD **Clutch type:** Dry **Mount. holes:** 2 (0) Oil sealed **A:** 82.00 **B:** 35.00

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JOHN DEERE

	HC-CARGO	Model		Replacing	Information
10,11	**112442**	6000 Series	6205, 6505, 6506	0001367077, AZJ3261, 11.130.739, 9142745	**Voltage:** 12 **kW:** 3.0 **B+:** M10 **Total length:** 315.00 **Drive type:** Steel **Gear type:** DD **Clutch type:** Dry **Mount. holes:** 3 (0) **A:** 89.00 **B:** 48.00
11 NEW PRODUCT www.hc-cargo.com	**115609***	6000 Series	6205, 6505, 6506	1230002	**Voltage:** 12 **kW:** 3.0 **Gear type:** GR **Mount. holes:** 3 (0)
9	**114823**	Farm	Various Models (Tractors)	128000-5500	**Voltage:** 12 **kW:** 0.6 **B+:** M8 **Total length:** 182.00 **Gear type:** DD **Mount. holes:** 2 (0) Not Insulated return **A:** 66.00 **B:** 18.00
10	**114888**	Lawn	X300, X300R, X304	RS41058	**Voltage:** 12 **B+:** 1/4" UNC **Total length:** 185.00 **Gear type:** DD **Mount. holes:** 2 (0) **B:** 19.50
11	**114401**	Mowers	Various Models	S114-821A, S114-821	**Voltage:** 12 **kW:** 1.2 **B+:** M8 **Total length:** 193.00 **Drive type:** Steel **Gear type:** GR **Mount. holes:** 2 (2) **A:** 70.00 **B:** 25.00
9	**114486**	Mowers	Various Models	128000-2760	**Voltage:** 12 **B+:** M6 **Total length:** 173.00 **Drive type:** Steel **Gear type:** DD **Mount. holes:** 2 (0) **B:** 20.00
10	**115314**	Utility Tractor	6100D, 6125D	228000-0844, 228000-0842, 228000-0841, 228000-0840	**Voltage:** 12 **kW:** 2.5 **B+:** M10 **Total length:** 294.00 **Gear type:** GR **Mount. holes:** 2 (0) Not Insulated return **A:** 89.00 **B:** 47.50
9	**110412**	Various Models		S13-33B, S13-33A, S13-33, S13-28, S13-27A, S13-27, S13-25, S13-123, S13-111, S13-06A, S13-06, 0-21000-5231, 0-21000-5230, 0-21000-4231, 0-21000-4230, 0-21000-3730	**Voltage:** 12 **kW:** 2.2 **B+:** M8 **Total length:** 233.80 **Drive type:** Steel **Gear type:** DD **Mount. holes:** 2 (0) **A:** 94.90 **B:** 20.30

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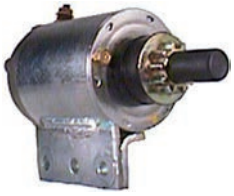
JOHN DEERE

	HC-CARGO	Model		Replacing	Information
10 	**110510**	Various Models		SMH12A4, SMH12A202, SMH12A201, SMH12A2, SMH12A102, SME12A8, SME12A11, SM56661, SM50497, SM16353	**Voltage:** 12 **kW:** 0.5 **B+:** M6 **Total length:** 182.55 **Drive type:** Steel **Gear type:** DD **Clutch type:** Dry **Mount. holes:** 3 (0) **B:** 39.00
9	**110552**	Various Models		0001108181, 0001107078, S114-381	**Voltage:** 12 **kW:** 1.2 **B+:** M8 **Total length:** 194.00 **Drive type:** Steel **Gear type:** GR **Mount. holes:** 2 (0) **A:** 74.00 **B:** 20.00
11	**111087**	Various Models		128000-1152, 128000-1151, 128000-1150	**Voltage:** 12 **kW:** 1.0 **B+:** M8 **Total length:** 199.45 **Drive type:** Steel **Gear type:** GR **Mount. holes:** 2 (0) **A:** 94.90 **B:** 21.00
9	**111254**	Various Models		LRS01910, 0-23000-2541, 0-23000-2540, 0-23000-2201, 0-23000-2103, 0-23000-2102, 0-23000-2101, 0-23000-2100	**Voltage:** 24 **kW:** 4.5 **B+:** M10 **Total length:** 332.25 **Drive type:** Steel **Gear type:** GR **Mount. holes:** 2 (0) **A:** 94.85 **B:** 19.20
14	**112246**	Various Models		128000-4600, 128000-2950, 028000-8411, 028000-8410, 028000-6111, 028000-6110	**Voltage:** 12 **kW:** 0.6 **B+:** M6 **Total length:** 193.00 **Drive type:** Steel **Gear type:** DD **Clutch type:** Dry **Mount. holes:** 2 (0) **A:** 62.45 **B:** 10.00 *Solenoid: HC-CARGO 133711.*
16	**112564**	Various Models		35765A, 35765, 32468B, 32468A, 32468	**Voltage:** 12 **B+:** M6 **Total length:** 166.50 **Drive type:** Steel **Gear type:** DD **Clutch type:** Dry **Mount. holes:** 4 (0) **A:** 59.00 **B:** 33.00
9	**112568**	Various Models		SM56663, SM18191, 5666340MO30SM, 5666340-MO30SM, 5666320MO30SM, 1819140M030SM, 1819140-MO30SM	**Voltage:** 12 **B+:** 1/4" UNC **Total length:** 230.00 **Drive type:** Bronze **Gear type:** DD **B:** 46.00
10	**113017**	Various Models		6727040MO30SM, 5667140MO30SM, 5667140-M030SM	**Voltage:** 12 **B+:** M6 **Total length:** 181.00 **Drive type:** Steel **Gear type:** DD **Clutch type:** Dry **Mount. holes:** 2 (0) **B:** 30.00

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JOHN DEERE

	HC-CARGO	Model		Replacing	Information
15	**113539**	Various Models		844717, 808106, 693469, 691564	**Voltage:** 12 **B+:** M8 **Total length:** 185.70 **Drive type:** Bronze **Gear type:** DD **Clutch type:** Dry **Mount. holes:** 2 (0)
9	**113596**	Various Models		128000-4020	**Voltage:** 12 **kW:** 0.6 **B+:** M8 **Total length:** 180.00 **Drive type:** Steel **Gear type:** DD **Mount. holes:** 2 (2) **A:** 70.00 **B:** 19.00
9	**113597**	Various Models		128000-9360	**Voltage:** 12 **kW:** 0.6 **B+:** M8 **Total length:** 181.00 **Drive type:** Steel **Gear type:** DD **Mount. holes:** 2 (0) **A:** 65.90 **B:** 17.00
9	**113663**	Various Models		228000-2211, 228000-2210	**Voltage:** 12 **kW:** 0.7 **B+:** M8 **Total length:** 183.00 **Drive type:** Steel **Gear type:** DD **Clutch type:** Wet **Mount. holes:** 2 (0) **A:** 65.80 **B:** 17.00
11	**113983**	Various Models		228000-6552, 228000-6551, 228000-6550	**Voltage:** 12 **kW:** 3.0 **B+:** M12 **Total length:** 315.00 **Drive type:** Steel **Gear type:** GR **Mount. holes:** 3 (0) **A:** 88.80 **B:** 47.60
10	**114195**	Various Models		0001230018, 0001230008	**Voltage:** 12 **kW:** 3.0 **B+:** M10 **Total length:** 312.00 **Gear type:** GR **Mount. holes:** 3 (0) **A:** 89.00 **B:** 51.00
9	**114197**	Various Models		228000-7471, 228000-7470	**Voltage:** 12 **kW:** 1.1 **B+:** M8 **Total length:** 209.00 **Gear type:** GR **Mount. holes:** 2 (0) **A:** 89.00 **B:** 17.00
11	**114459**	Various Models		228000-8471, 228000-8470	**Voltage:** 12 **kW:** 4.8 **B+:** M12 **Total length:** 315.00 **Gear type:** GR **Mount. holes:** 3 (0) **A:** 89.00 **B:** 48.00

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KUBOTA

	HC-CARGO	Model		Replacing	Information
8 NEW PRODUCT www.hc-cargo.com	**115322**	Compact Tractor	L3540, L3830, L3940	228000-9800	**Voltage:** 12 **kW:** 1.4 **B+:** M8 **Total length:** 188.00 **Gear type:** GR **Mount. holes:** 2 (0) **A:** 82.50 **B:** 24.50
8.9	**114485**	Front Mower	F2260, F2560	228000-5401, 228000-5400, M0T90881, M000T90881	**Voltage:** 12 **kW:** 1.1 **B+:** M8x1.25 **Total length:** 205.00 **Drive type:** Steel **Gear type:** GR **Mount. holes:** 2 (0) **A:** 66.00 **B:** 18.00
	113893	L	L2250, L2500, L2550, L2650	34070-16800, 34070-16083, 128000-8462, 128000-8461, 128000-8460	**Voltage:** 12 **kW:** 1.2 **B+:** M8 **Total length:** 178.50 **Drive type:** Steel **Gear type:** GR **Clutch type:** Wet **Mount. holes:** 2 (0) **A:** 82.30 **B:** 24.80
9 NEW PRODUCT www.hc-cargo.com	**115378**	M6040	M6040, M7040	M8T71671	**Voltage:** 12 **kW:** 2.5 **B+:** M8 **Total length:** 259.00 **Gear type:** GR **Mount. holes:** 2 (0) Not Insulated return **A:** 82.50 **B:** 26.00
9	**114501**	Tractors	Various models	228000-5590	**Voltage:** 12 **kW:** 1.0 **B+:** M8 **30h:** Plug **Total length:** 203.00 **Drive type:** Steel **Gear type:** GR **Mount. holes:** 2 (0) **A:** 77.00 **B:** 18.00

LAMBORGHINI

	HC-CARGO	Model		Replacing	Information
11	**110530**	100	135 (Formula)	EJD3/12BR3, 0004314011, 0001367013, 0001362035, 0001362022, 0001362009, 0001359108, 0001359004, AZJ3556, AZJ3537, AZJ3503, AZJ3149, 11.130.521, 11.130.253, 11.130.201, 11.130.083, MT68PB, MT68PA, MT68P, 63217138, 63216884, 63216876, 63216814, 063216884010, 063216876010, 9144821, 9144743, 9142880, 443115144743, 19024238	**Voltage:** 12 **kW:** 3.0 **B+:** M10 **Total length:** 342.00 **Drive type:** Steel **Gear type:** DD **Mount. holes:** 2 (0) **A:** 82.00 **B:** 22.00
9,11	**111001**	100, 600	105 (Formula), 115 (Formula), 660 F	0001367005, 0001362036, 0001362023, 0001359113, 0001359083, 0001359056, 0001359038, 0001358005, AZJ3557, AZJ3320, AZF4220, 11.131.829, 11.130.898, 11.130.254, MT68RA, MT68R, MT56A, 63216816, 9144820, 19024250	**Voltage:** 12 **kW:** 3.0 **B+:** M10 **Total length:** 340.00 **Drive type:** Steel **Gear type:** DD **Mount. holes:** 2 (0) **A:** 82.00 **B:** 21.60

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LAMBORGHINI

	HC-CARGO	Model		Replacing	Information
11	**111284**	C Series	Various Models	63217163, 63217106, 063217163010	**Voltage:** 12 **kW:** 2.5 **B+:** M10 **Total length:** 296.00 **Drive type:** Steel **Gear type:** DD **Mount. holes:** 2 (0) **A:** 82.00 **B:** 21.00
11	**110551**	C, R	C603, 804, 904, R704	0001367009, 0001359099, 0001359053, 0001359048, 0001359001, R11B, R11.02, AZJ3285, 11.130.821, 9144742, 443115144742, 443115144640, 443115144540, 19024815	**Voltage:** 12 **kW:** 3.0 **B+:** M10 **Total length:** 326.50 **Drive type:** Steel **Gear type:** DD **Mount. holes:** 3 (0) **A:** 89.00 **B:** 47.00

LANDINI

	HC-CARGO	Model		Replacing	Information
10 NEW PRODUCT www.hc-cargo.com	**114107**	Various Models		AZE4579, AZE4214, 11.131.984, 11.131.315, 9162904	**Voltage:** 12 **kW:** 3.2 **B+:** M10 **Total length:** 295.00 **Gear type:** GR **Mount. holes:** 3 (0) **A:** 88.88 **B:** 29.50

LOMBARDINI

	HC-CARGO	Model		Replacing	Information
9 NEW PRODUCT www.hc-cargo.com	**115423**	Various Models		0001366003, 0001362058, 0001354089	**Voltage:** 12 **kW:** 3.0 **B+:** M10 **Total length:** 322.00 **Gear type:** DD **Mount. holes:** 2 (0) Not Insulated return **A:** 82.50 **B:** 21.00

MAHINDRA

	HC-CARGO	Model		Replacing	Information
10	**113670**	Various Models		26025115A, 26025115, 26024070A	**Voltage:** 12 **kW:** 2.2 **B+:** M8 **15a:** M5 **Total length:** 284.35 **Drive type:** Steel **Gear type:** DD **Clutch type:** Wet **Mount. holes:** 3 (0) **A:** 89.00 **B:** 20.00
9	**112163**	Various Models		26925056	**Voltage:** 12 **kW:** 2.0 **B+:** M8 **Total length:** 307.00 **Drive type:** Steel **Gear type:** DD **Clutch type:** Dry **Mount. holes:** 3 (0) **A:** 89.00 **B:** 20.00

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MASSEY FERGUSON

	HC-CARGO	Model		Replacing	Information
10	**111346**	MF 100, MF 200, MF 1000	184, 285, 1250	9004475061, 27629, 27627B, 27627, 27626, 27620, 27610, 27608, 27602, 27598, 27590, 27589, 27568A, 27568, 27565D, 63227599, 63227598, 63227590, 63227568, 63227565, 63227541	**Voltage:** 12 **kW:** 2.8 **B+:** M8 **Total length:** 314.50 **Drive type:** Steel **Gear type:** DD **Clutch type:** Dry **Mount. holes:** 3 (0) **A:** 89.00 **B:** 29.50
10	**110460**	MF 200	254	0001367022, 0001359126, 27559E, 27559A, 27559, 27537B, 27537A, 27537, 27519D, 27519A, 27519, 27503D, 27503A, 26436B, 26436A	**Voltage:** 12 **kW:** 2.8 **B+:** M8 **Total length:** 307.50 **Drive type:** Steel **Gear type:** DD **Mount. holes:** 3 (0) **A:** 89.00 **B:** 29.50
10	**110565**	MF 200	274	9004475058, 0001367040, 6233, 538505, 538502, S13-74, S13-73B, S13-73, S12-73, AZJ3598, AZJ3536, AZJ3330, AZJ3305, AZJ3203, AZJ3144, AZJ3121, AZJ3117, AZJ3105, AZJ0405, AZE4244, NSB540, NSB531, NSB529, 54265233, 27606, 27599, 27594, 27583A, 27583, 27578, 27572B, 27572A, 27572, 19024817, D11E15H, D11E154, D11E137	**Voltage:** 12 **kW:** 2.8 **B+:** M8 **Total length:** 313.00 **Drive type:** Steel **Gear type:** DD **Mount. holes:** 3 (0) **A:** 89.00 **B:** 29.50
10	**110819**	MF 200	240, 245	0001362049, AZJ3389, AZJ3206, AZJ3148, 11.131.162, 11.130.632, 11.130.520, S4515, NSB530, 27593A, 27593, 27584, 27582, 27580, 27571B, 27571A, 27571, 27546B, 27546A, 27546, 63227488, 63227480, 63227470, 27593A, 27571, 27540, 27522, 19024821	**Voltage:** 12 **kW:** 2.8 **B+:** M8 **Total length:** 311.00 **Drive type:** Steel **Gear type:** DD **Mount. holes:** 3 (0) **A:** 92.00 **B:** 23.00
10	**112268**	MF 200	245	0-23000-2140, 0-23000-2010, 0-23000-1850, 1998484, 1998468, 1998373, 1998357, 1998350, 1998340, 1113597, 1113290, 1113274, 1107540, 10479607	**Voltage:** 12 **kW:** 2.8 **B+:** M10 **Total length:** 340.00 **Drive type:** Steel **Gear type:** GR **Clutch type:** Dry **Mount. holes:** 3 (0) Oil sealed **A:** 89.00 **B:** 46.00 *Replacing: 28MT.*
9	**113230#**	MF 200	216 GTX, 218 GTX	128000-4520	**Voltage:** 12 **kW:** 0.7 **B+:** M8 **Total length:** 204.30 **Drive type:** Steel **Gear type:** GR **A:** 63.40 **B:** 43.40

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MASSEY FERGUSON

	HC-CARGO	Model		Replacing	Information
10	**110442**	MF 200, MF 300	285, 298, 365	859883, AZJ3447, 11.131.635, NSB501, NSB500, 27487, 27485, 27479, 27477, 27473, 27464, 27415D, 27415B, 27415A, 27415, 27411, 63227485, 63227479, 2707130	**Voltage:** 12 **kW:** 2.1 **B+:** M8 **Total length:** 309.00 **Drive type:** Steel **Gear type:** DD **Mount. holes:** 3 (0) **A:** 88.90 **B:** 30.00
9	**110814**	MF 1000	1200	0001362062, AZJ3514, AZJ3137, 11.130.500, 11.130.123, 27401, MT71DB, MT71DA, MT71D, 94317148, 63217148, 63217147, 63217104, 30180309, 19024255	**Voltage:** 12 **kW:** 2.7 **B+:** M10 **Total length:** 296.50 **Drive type:** Steel **Gear type:** DD **Mount. holes:** 3 (0) **A:** 110.00 **B:** 26.80
10	**111737**	MF 1000	1200	27502D, 27502A, 27502, 26369J, 26369H, 26369A, 26369, 26359F, 26359B, 26359A, 26359, 26294Q, 26294N	**Voltage:** 12 **kW:** 2.8 **B+:** M8 **Total length:** 314.75 **Drive type:** Steel **Gear type:** DD **Clutch type:** Wet **Mount. holes:** 3 (0) **A:** 89.00 **B:** 28.50
10	**112136**	MF 2000	2640, Various Models	AZJ3318, 11.130.896, 27533E, 27533A, 27533, 26398H, 26398F, 26398A, 26398, 63227601	**Voltage:** 12 **kW:** 2.8 **B+:** M8 **Total length:** 340.50 **Drive type:** Steel **Gear type:** DD **Clutch type:** Dry **Mount. holes:** 3 (0) **A:** 88.75 **B:** 48.30
10	**110443**	MF 3000	3085	0001362093, 0001362020, S12-84, NSB503, 27486, 27478, 27472, 27467, 27435A, 27435, 27417D, 27417B, 27417A, 27417, 26925194D	**Voltage:** 12 **kW:** 2.1 **B+:** M8 **Total length:** 309.00 **Drive type:** Steel **Gear type:** DD **Mount. holes:** 3 (0) **A:** 89.00 **B:** 29.50
10	**111012**	Various Models		SM56666, SM47330, 5666640MO30SM, 5666640-MO30SM, 5666620MO30SM, 4733040MO30SM, 4733040-MO30SM	**Voltage:** 12 **kW:** 0.5 **B+:** M8 **Total length:** 201.00 **Drive type:** Steel **Gear type:** DD **B:** 39.00
10	**111024#**	Various Models		870646, Z1320F720, S115A12-2, S115A12-12, S11512-2, CA45H12-72, CA45G12-72, CA45F12-Y72, CA45F12-72	**Voltage:** 12 **kW:** 3.6 **B+:** M8 **Total length:** 370.50 **Drive type:** Steel **Gear type:** DD **Mount. holes:** 3 (0) Oil sealed **A:** 89.00 **B:** 47.45
10 NEW PRODUCT www.hc-cargo.com	**114107**	Various Models		AZE4579, AZE4214, 11.131.984, 11.131.315, 9162904	**Voltage:** 12 **kW:** 3.2 **B+:** M10 **Total length:** 295.00 **Gear type:** GR **Mount. holes:** 3 (0) **A:** 88.88 **B:** 29.50

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MASSEY FERGUSON

	HC-CARGO	Model		Replacing	Information
11	**112313**	Various Models		33835	**Voltage:** 12 **kW:** 0.5 **B+:** M6 **Total length:** 190.00 **Drive type:** Steel **Gear type:** DD **Mount. holes:** 3 (0) **B:** 29.00

MCCORMICK

	HC-CARGO	Model		Replacing	Information
10 NEW PRODUCT www.hc-cargo.com	**114777**	Tractor	MTX	AZJ3402, 11.131.218	**Voltage:** 12 **kW:** 3.0 **B+:** M8 **B-:** M8 **Gear type:** DD **Mount. holes:** 3 (0) Not Insulated return **A:** 89.00 **B:** 28.00

MERCEDES-BENZ

	HC-CARGO	Model		Replacing	Information
9	**110525**	1000	1000	9007044002, 9000083054, 9000083028, 0001367303, 0001367301, 0001367300, 0001367059, 0001367034, 860130, 860109, 2998000, AZJ3548, AZJ3118, 11.130.412, 11.130.229, 26417, 9142746, 443115144726, 35259380, 19024223, 19024205	**Voltage:** 12 **kW:** 3.0 **B+:** M10 **Total length:** 341.00 **Drive type:** Steel **Gear type:** DD **Mount. holes:** 3 (0) **A:** 89.00 **B:** 48.00

MITSUBISHI

	HC-CARGO	Model		Replacing	Information
9	**110210**	Various Models	Various Models (Tractors)	0001417051, 0001417038, 0001417001, 0001411009, 0001410024, 860506, 860132, 857468, 2998010, R23.05, R22.05, R20.42, 6050000, 0050000, AZK5191, 11.139.032, 9125010, 19024051	**Voltage:** 24 **kW:** 6.6 **B+:** M12 **B-:** M10 **Total length:** 407.00 **Drive type:** Steel **Gear type:** DD **Mount. holes:** 3 (0) **A:** 92.00 **B:** 48.50

NEW HOLLAND

	HC-CARGO	Model		Replacing	Information
9	**110539**	8000	8080	0001418014, 0001413017, 19024008	**Voltage:** 12 **kW:** 3.6 **B+:** M10 **B-:** M10 **Total length:** 384.50 **Drive type:** Steel **Gear type:** DD **Mount. holes:** 3 (0) **A:** 92.00 **B:** 47.00
10	**113968**	8000	8260, 8360, 8560	0001369200, F1NN11000AA, F0NN7H022BA, 82013923, 82005343, AZJ3212, 11.130.659	**Voltage:** 12 **kW:** 3.6 **B+:** M8 **Total length:** 330.00 **Drive type:** Steel **Gear type:** DD **Mount. holes:** 3 (0) **A:** 92.00 **B:** 20.00

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NEW HOLLAND

	HC-CARGO	Model		Replacing	Information
9	**113182**	TL	TL Series	0001230023, 0001230010, 0001230007, AZF4155, 11.131.604, MSN2039	**Voltage:** 12 **kW:** 3.0 **B+:** M10 **Total length:** 320.00 **Drive type:** Steel **Gear type:** GR **Mount. holes:** 3 (0) **A:** 110.00 **B:** 30.00
10	**113125**	TX	TX34	SA764A, SA-764A, E9HZ11002A, E9HT11001BA, 323-840, 1993854, 1993767, 1990347, 10461011, 10461006	**Voltage:** 12 **B+:** 1/2" UNC **Total length:** 401.50 **Drive type:** Steel **Gear type:** DD **Clutch type:** Wet **Mount. holes:** 3 (0) Oil sealed **A:** 92.00 **B:** 48.25 *Replacing: 37MT, 41MT.*
10	**114050**	Various Models		0001230022, AZF4535, AZF4135, AZF4122, 11.131.520, 11.131.464, 11.130.999	**Voltage:** 12 **kW:** 4.2 **B+:** M10 **30h:** M10 **Total length:** 317.00 **Gear type:** GR **Mount. holes:** 3 (0) **A:** 89.00 **B:** 27.50
10	**114196**	Various Models		0001263020, 0001263019, 0001231027, 0001231026, AZF4295, 11.132.094	**Voltage:** 24 **kW:** 4.0 **B+:** M10 **Total length:** 317.00 **Gear type:** GR **Mount. holes:** 3 (0) **A:** 89.00 **B:** 27.60
10	**114399**	Various Models		428000-3140	**Voltage:** 12 **kW:** 2.7 **B+:** M10 **Total length:** 296.00 **Drive type:** Steel **Gear type:** GR **Mount. holes:** 2 (0) **A:** 89.00 **B:** 26.50
10	**114021**	Various Models		1230020	**Voltage:** 12 **kW:** 3.0 **B+:** M10 **Total length:** 314.00 **Drive type:** Steel **Gear type:** GR **Mount. holes:** 3 (0) **A:** 89.00 **B:** 29.00

PAYLOADER

	HC-CARGO	Model		Replacing	Information
9	**110523**	Various Models		0001368088, 0001368007, 0001368001, 0001360035, 0001360030, 0001360014, 0001360012, 0001360003, LNS4524/17, 859539, R10.08, 6090000, AZJ3518, AZJ3132, 11.130.491, 11.130.172, 11.130.141, 11.130.075, 61924051, 26025117A, 9174602, 9124310, 443115174602, 19024813, 19024234, 19024226	**Voltage:** 24 **kW:** 4.8 **B+:** M10 **Drive type:** Steel **Gear type:** DD **Mount. holes:** 3 (0) **A:** 89.00 **B:** 27.50

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RENAULT AGRICULTURE

	HC-CARGO	Model		Replacing	Information
10	**113532**	Ares	710, 720, 725	AZJ3284, AZF4582, AZF4559, AZF4510, 11.131.929, 11.131.318, 11.131.167, 11.130.820, 11.130.748	**Voltage:** 12 **kW:** 3.0 **B+:** M10 **Total length:** 341.00 **Drive type:** Steel **Gear type:** DD **Clutch type:** Dry **Mount. holes:** 2 (0) **A:** 82.50 **B:** 34.00

SAME

	HC-CARGO	Model		Replacing	Information
9	**111645**	Various Models		MO101/10, 3M0110/10	**Voltage:** 12 **kW:** 0.4 **B+:** M6 **Total length:** 182.00 **Drive type:** Steel **Gear type:** DD **Mount. holes:** 2 (0) **A:** 62.00 **B:** 27.50

SISU

	HC-CARGO	Model		Replacing	Information
11	**113484**	SK	SK 150	0001368039, 0001368037, AZJ3186, 11.130.595, 27305	**Voltage:** 24 **kW:** 4.0 **B+:** M10 **Total length:** 340.00 **Drive type:** Steel **Gear type:** DD **Clutch type:** Dry **Mount. holes:** 3 (0) **A:** 88.85 **B:** 47.50

STEYR

	HC-CARGO	Model		Replacing	Information
9	**110601**	8000 Series	8300	BNG4/24CRS165SR, BNG4/24CR165SR, 0001416013, 0001415010, 0001414017, 0001410030, 0001410029, IM131, R23.13, 6130000, AZK5193, AZK5117, AZK5113, 11.139.034, 11.130.005, 10.130.121, 9125290, 9124340, 19024578	**Voltage:** 24 **kW:** 5.4 **B+:** M10 **Total length:** 384.25 **Drive type:** Steel **Gear type:** DD **Mount. holes:** 3 (0) **A:** 88.85 **B:** 47.50

VALTRA

	HC-CARGO	Model		Replacing	Information
11	**113484**	400 Series, 600 Series	411, 611	0001368039, 0001368037, AZJ3186, 11.130.595, 27305	**Voltage:** 24 **kW:** 4.0 **B+:** M10 **Total length:** 340.00 **Drive type:** Steel **Gear type:** DD **Clutch type:** Dry **Mount. holes:** 3 (0) **A:** 88.85 **B:** 47.50
10	**113901**	A	A75N, A85N, A95N	AZE4597, AZE4540, AZE4230, AZE4166, 11.132.101, 11.131.728, 11.131.426, 11.131.116	**Voltage:** 12 **kW:** 3.0 **B+:** M10 **Total length:** 297.50 **Drive type:** Steel **Gear type:** GR **Mount. holes:** 3 (0) **A:** 89.00 **B:** 48.00

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VALTRA

	HC-CARGO	Model		Replacing	Information
11	**113570**	T	T120, T130, T140, T160, T170	0001260026, 0001260025, AZF4513, AZF4190, 11.131.727, 11.131.542, 11.130.836	**Voltage:** 12 **kW:** 4.0 **B+:** M10 **Total length:** 320.00 **Drive type:** Steel **Gear type:** GR **Clutch type:** Dry **Mount. holes:** 3 (0) **A:** 89.00 **B:** 48.00

VARIOUS AGRICULTURE VEHICLES

	HC-CARGO	Model		Replacing	Information
8.11	**110182**			M3T10476D, M3T10476, M3T10475, M3T10473, M0T92581, M0T84381A, M0T84381, M003T10476D, M003T10476	**Voltage:** 12 **kW:** 0.9 **B+:** M8 **Total length:** 201.50 **Drive type:** Steel **Gear type:** DD **Mount. holes:** 2 (0) **A:** 74.00 **B:** 18.00
9	**110245**			128000-6841, 128000-6840, 128000-6621, 128000-6620, 028000-8434, 028000-8432, 028000-8431, TM000A07101, MG120559, MG117559, M40237	**Voltage:** 12 **kW:** 1.7 **B+:** M8 **Total length:** 196.00 **Drive type:** Steel **Gear type:** GR **Mount. holes:** 2 (0) **A:** 82.50 **B:** 26.00
9	**110246**			228000-1061, 228000-1060, 128000-4900, 028000-6140	**Voltage:** 12 **kW:** 1.4 **B+:** M8 **Total length:** 212.00 **Drive type:** Steel **Gear type:** GR **Mount. holes:** 2 (0) **A:** 66.00 **B:** 18.00
9	**110356**			228000-1050, 128000-2131, 128000-2130	**Voltage:** 12 **kW:** 1.4 **B+:** M8 **Total length:** 207.20 **Drive type:** Steel **Gear type:** GR **Mount. holes:** 2 (0) **A:** 82.40 **B:** 25.00
9	**110421**			028000-9570, 028000-8890, 028000-7471, 028000-7470, 028000-7462, 028000-7461, 028000-7460, 26925240A, M3T49982, M3T49981, M3T33481, M3T33181, M3T29681, M003T49982, M003T49981, M003T33481, M003T33181	**Voltage:** 12 **kW:** 0.8 **B+:** M8 **Total length:** 188.00 **Drive type:** Steel **Gear type:** DD **Mount. holes:** 2 (0) **A:** 66.00 **B:** 16.00
12	**110436**			323-855, 323-830, 323-829, 1993983, 1993961, 1993943, 1993942, 1993939, 1993938, 1993937, 1993935	**Voltage:** 12 **B+:** 1/2” UNC **Total length:** 506.00 **Drive type:** Steel **Gear type:** DD **Mount. holes:** 3 (0) Insulated return Oil sealed **A:** 92.00 **B:** 46.00 *Replacing: 42MT.*

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VARIOUS AGRICULTURE VEHICLES

	HC-CARGO	Model		Replacing	Information
9	**110447**			428000-2640, 228000-7151, 228000-7150, 228000-0981, 228000-0980, 228000-0970, 228000-0800	**Voltage:** 12 **kW:** 1.0 **B+:** M8 **Total length:** 199.50 **Drive type:** Steel **Gear type:** GR **Clutch type:** Dry **Mount. holes:** 2 (0) **A:** 66.00 **B:** 17.00
12,13	**110461**			0001362307, 0001358202, 0001358201, 0001358200, 755F11000AB, 755F11000AA, 715F11000MA, 5003643, 1653210, 1653206, AZJ3279, 11.130.769, NSB521, 27577A, 27577, 27567, 27531, 27501E, 27501B, 27501A, 27501, 26407, 26388, 26356, 26355, 63227501, 9142860, 9142724	**Voltage:** 12 **kW:** 2.8 **B+:** M8 **30h:** M5 **Total length:** 272.00 **Drive type:** Steel **Gear type:** DD **Mount. holes:** 3 (0) **A:** 92.00 **B:** 21.00
10	**110464**			AZJ3324, 11.130.795, NSB515, LRS138, 27489, 27476, 27465, 27419D, 27419A, 27419, 26286J, 26286H, 26286F, 26286E, 26286A, 63227489, 91428729	**Voltage:** 12 **kW:** 2.1 **B+:** M8 **Total length:** 336.50 **Drive type:** Steel **Gear type:** DD **Mount. holes:** 3 (0) **A:** 89.00 **B:** 29.50
9	**110468**			1998267, 1998266, 1109091, 1109090, 1108197, 1107378, 1107377	**Voltage:** 12 **B+:** 3/8" UNC **15a:** 8-32 UNC **Total length:** 307.00 **Drive type:** Steel **Gear type:** DD **Clutch type:** Wet **Mount. holes:** 3 (0) Oil sealed **A:** 88.65 **B:** 20.50 *Replacing: 10MT.*
9	**110469**			1998281, 1998270, 1998269, 1109093, 1108421, 1107203, 10455355, 10455340, 10455304	**Voltage:** 12 **B+:** M10 **15a:** M5 **Total length:** 306.70 **Drive type:** Steel **Gear type:** DD **Clutch type:** Dry **Mount. holes:** 3 (0) **A:** 88.60 **B:** 44.50 *Replacing: 10MT.*
9	**110512**			BNG4/24CRS163, BNG4/24CR231, BNG4/24, 0001416054, 0001416047, 0001416024, 0001416022, 0001415002, IM522, R23.25, R23.17, R23.16, R20Z, R20.17, 6250000, 6160000, AZK5412, AZK5194, AZK5104, 11.139.052, 11.139.035, 11.130.115, 10.130.123, 22615, 9125340, 9125320, 19024556, 19024550, 19024024, D13E81T, D13E81, D13E69T, D13E69, D13E63T, D13E63, 076571	**Voltage:** 24 **kW:** 5.4 **B+:** M10 **Total length:** 384.00 **Drive type:** Steel **Gear type:** DD **Mount. holes:** 3 (0) **A:** 89.00 **B:** 48.00

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VARIOUS AGRICULTURE VEHICLES

	HC-CARGO	Model		Replacing	Information
11	**110534**			0001416035, 0001416030, 0001410109, 0001410099, 0001410063, 0001410053, R23.18, 6180000, 9125370, 19024030	**Voltage:** 24 **kW:** 5.4 **B+:** M10 **Total length:** 390.00 **Drive type:** Steel **Gear type:** DD **Mount. holes:** 3 (0) **A:** 89.00 **B:** 47.00
16	**110635**			497596, 435307, 394808, 394674, 393017	**Voltage:** 12 **kW:** 0.5 **B+:** M6 **Total length:** 169.00 **Drive type:** Steel **Gear type:** DD **Clutch type:** Dry **Mount. holes:** 2 (0) **B:** 15.60
9	**110637**			0001160002, M0101, 3M0101	**Voltage:** 12 **kW:** 0.4 **B+:** M6 **Total length:** 182.00 **Drive type:** Steel **Gear type:** DD **Mount. holes:** 2 (0) **A:** 62.00 **B:** 27.50
10	**110817**			27427E, 27427A, 27427, 27424B, 27424A, 27424, 26310H, 26310F, 26310E, 26310D, 26310A, 26310, 26285F	**Voltage:** 12 **kW:** 2.1 **B+:** M8 **Total length:** 315.00 **Drive type:** Steel **Gear type:** DD **Mount. holes:** 3 (0) **A:** 88.80 **B:** 25.00
11	**110940**			228000-6250, 228000-1071, 228000-1070, 228000-1041, 228000-1040, 228000-1002, 228000-1001	**Voltage:** 12 **kW:** 1.4 **B+:** M8 **Total length:** 212.00 **Drive type:** Steel **Gear type:** GR **Mount. holes:** 2 (0) **A:** 82.50 **B:** 26.50
9	**110949**			SM56662, SM18190, SM17705, 5666240MO30SM, 5666240-MO30SM, 5666220MO30SM, 5213140MO30SM	**Voltage:** 12 **kW:** 0.6 **B+:** M6 **Total length:** 215.25 **Drive type:** Bronze **Gear type:** DD **A:** 63.40 **B:** 45.80
9	**111015**			0001108129, 0001107085, 0001107062, 0001107033, AZD2127, 11.131.928, 63521070, D6RA52, D6RA22	**Voltage:** 12 **kW:** 1.1 **B+:** M8 **Total length:** 216.25 **Drive type:** Steel **Gear type:** GR **Clutch type:** Dry **Mount. holes:** 2 (0) **A:** 76.00 **B:** 15.00

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VARIOUS AGRICULTURE VEHICLES

	HC-CARGO	Model		Replacing	Information
9	**111021**			228000-7671, 228000-3660, 228000-1531, 228000-1530, 228000-0991, 228000-0990, 228000-0150	**Voltage:** 12 **kW:** 1.4 **B+:** M8 **Total length:** 209.50 **Drive type:** Steel **Gear type:** GR **Mount. holes:** 2 (0) **A:** 66.00 **B:** 18.00
10	**111049**			1998576, 1109439	**Voltage:** 12 **B+:** M8 **15a:** M5 **Total length:** 304.00 **Drive type:** Steel **Gear type:** DD **Clutch type:** Wet **Mount. holes:** 3 (0) Oil sealed **A:** 88.90 **B:** 46.25 *Replacing: 10MT.*
9	**111197**			228000-5273, 228000-5270, 228000-4750, 228000-4593, 228000-4592, 228000-4591, 228000-4590	**Voltage:** 12 **kW:** 2.0 **B+:** M8 **Total length:** 232.40 **Drive type:** Steel **Gear type:** GR **Mount. holes:** 2 (0) **A:** 82.55 **B:** 26.00
9	**111249**			BNG4/24CRS165BR, BNG4/24CR165BR, 0001416027, 0001416017, 0001414018, 0001402058, 0001402056, R23.14, 6140000, 9125300, 19024554, 19024027	**Voltage:** 24 **kW:** 5.4 **B+:** M10 **Total length:** 381.80 **Drive type:** Bronze **Gear type:** DD **Mount. holes:** 3 (0) Waterproof **A:** 89.00 **B:** 48.25
11	**111284**			63217163, 63217106, 063217163010	**Voltage:** 12 **kW:** 2.5 **B+:** M10 **Total length:** 296.00 **Drive type:** Steel **Gear type:** DD **Mount. holes:** 2 (0) **A:** 82.00 **B:** 21.00
10	**111573**			0001359116, 27526D, 27526A, 27526, 27513A, 27513, 26376L, 26376K, 26376A, 26376, 26351, 26343K, 26343D, 26343B	**Voltage:** 12 **kW:** 2.8 **B+:** M8 **Total length:** 311.00 **Drive type:** Steel **Gear type:** DD/GR **Mount. holes:** 3 (0) **A:** 101.00 **B:** 25.50
10	**111574**			858762, 27595, 27564F, 27564A, 27564, 26025110A	**Voltage:** 12 **kW:** 2.8 **B+:** M8 **Total length:** 340.00 **Drive type:** Steel **Gear type:** DD **Mount. holes:** 3 (0) **A:** 88.75 **B:** 47.15

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VARIOUS AGRICULTURE VEHICLES

	HC-CARGO	Model		Replacing	Information
9	**111622**			228000-0951, 228000-0950	**Voltage:** 12 **kW:** 1.2 **B+:** M8 **Total length:** 177.50 **Drive type:** Steel **Gear type:** GR **Clutch type:** Wet **Mount. holes:** 2 (0) **A:** 66.30 **B:** 18.00
10	**111646**			PN001/3, 3PN0001/3	**Voltage:** 12 **kW:** 0.2 **B+:** M6 **Total length:** 181.00 **Drive type:** Steel **Gear type:** DD **Mount. holes:** 2 (0) **B:** 13.50
9	**111701**			SMH12C1, SM56659, SM15745, 5666740MO30SM, 5666740, 5665940MO30SM, 5665940-M030SM, 5665940	**Voltage:** 12 **kW:** 0.8 **B+:** M8 **Total length:** 251.25 **Drive type:** Steel **Gear type:** DD **Mount. holes:** 4 (3) **A:** 69.60 **B:** 56.30
16	**111804**			396306, 394807, 391178	**Voltage:** 12 **kW:** 0.6 **B+:** 1/4" UNC **Total length:** 182.00 **Drive type:** Plastic **Gear type:** DD **Mount. holes:** 2 (0) **B:** 50.00
11	**111855**			0001223002, 0001218772, 0001218172, 0001109370, AZE4535, AZE4202, 11.131.951, 11.131.109, 9142900, 9142726, 443115142726	**Voltage:** 12 **kW:** 2.2 **B+:** M8 **Total length:** 267.00 **Drive type:** Steel **Gear type:** GR **Clutch type:** Dry **Mount. holes:** 2 (0) **A:** 82.50 **B:** 23.00
9	**111911**			0001108442, 0001108401, 0001108231, 0001108230, 0001108190, 0001108157, 0001108108, 0001107443, 428000-0670, 63293537, 63280070, 63223537, 63111006	**Voltage:** 12 **kW:** 1.4 **B+:** M8 **30h:** M5 **Total length:** 231.50 **Drive type:** Steel **Gear type:** GR **Clutch type:** Dry **Mount. holes:** 3 (2) **A:** 76.00 **B:** 20.50
11	**112041**			0001362700, AZJ3177, 11.130.565	**Voltage:** 12 **kW:** 2.2 **B+:** M10 **Total length:** 293.00 **Drive type:** Steel **Gear type:** DD **Clutch type:** Dry **Mount. holes:** 3 (0) **A:** 82.50 **B:** 23.00
16	**112242**			498148, 495100, 399928	**Voltage:** 12 **kW:** 0.6 **B+:** M6 **Total length:** 182.00 **Drive type:** Steel **Gear type:** DD **Mount. holes:** 2 (0) **B:** 10.00

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VARIOUS AGRICULTURE VEHICLES

	HC-CARGO	Model		Replacing	Information
9	**112249**			0001366025, 0001354095, 0001354088, 0001354031, AZJ3197, AZJ3155, 11.130.620, 11.130.531, MEO6005	**Voltage:** 12 **kW:** 2.7 **B+:** M10 **Total length:** 295.00 **Drive type:** Steel **Gear type:** GR **Mount. holes:** 2 (0) **A:** 82.50 **B:** 21.50
10	**112339**			PN0001, 3PN0001	**Voltage:** 12 **kW:** 0.3 **B+:** M6 **Total length:** 180.00 **Drive type:** Steel **Gear type:** DD **Mount. holes:** 2 (0) **B:** 18.00
9	**113208**			228000-4620	**Voltage:** 12 **kW:** 0.8 **B+:** M8 **Total length:** 180.00 **Drive type:** Steel **Gear type:** DD **Mount. holes:** 2 (2) **A:** 73.90 **B:** 20.00
17	**113671**			SM11	**Voltage:** 12 **B+:** M6 **Total length:** 164.00 **Drive type:** Steel **Gear type:** GR **Mount. holes:** 2 (0)
11	**114170**			1368004	**Voltage:** 24 **kW:** 4.0 **B+:** M10 **Total length:** 340.00 **Gear type:** DD **Mount. holes:** 2 (0) **A:** 89.00 **B:** 48.20
10	**114375**			228000-9480	**Voltage:** 12 **kW:** 0.6 **B+:** M8 **Total length:** 181.50 **Drive type:** Steel **Gear type:** DD **Mount. holes:** 2 (2) **A:** 70.00 **B:** 13.25
10	**114446**			1416046	**Voltage:** 24 **kW:** 5.4 **B+:** M10 **Total length:** 387.00 **Drive type:** Steel **Gear type:** DD **Mount. holes:** 3 (0) **A:** 92.00 **B:** 47.50
11	**114474**			M8T60972, M8T60971, M008T60972, 0-24000-3041, 0-24000-3040	**Voltage:** 24 **kW:** 5.0 **B+:** M10 **Total length:** 287.00 **Gear type:** GR **Mount. holes:** 2 (0) **A:** 95.00 **B:** 45.00

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VARIOUS AGRICULTURE VEHICLES

	HC-CARGO	Model		Replacing	Information
9	**114478**			1363113	**Voltage:** 24 **kW:** 3.2 **B+:** M10 **Gear type:** GR **Mount. holes:** 2 (0) **A:** 82.50 **B:** 23.00
24	**114517**			498149	**Voltage:** 12 **B+:** 1/4” UNC **Total length:** 169.00 **Drive type:** Plastic **Gear type:** DD **Mount. holes:** 2 (0) **B:** 12.00
14	**114519**			693552	**Voltage:** 12 **kW:** 1.0 **B+:** 1/4” UNC **Total length:** 182.00 **Drive type:** Steel **Gear type:** DD **Mount. holes:** 2 (0) **B:** 13.00
9	**114677**			AZE2662, AZE2605, 11.131.527, 11.130.922	**Voltage:** 12 **kW:** 2.0 **B+:** M8 **Total length:** 232.00 **Drive type:** Steel **Gear type:** GR **Mount. holes:** 2 (0) **A:** 82.50 **B:** 40.50
14	**114696**			M0T60481, 30L66-10600	**Voltage:** 12 **kW:** 1.2 **B+:** M8 **Total length:** 207.00 **Gear type:** GR **Mount. holes:** 2 (2) Not Insulated return **A:** 77.00 **B:** 16.00
10	**114738**			228000-6652, 228000-6651, 228000-6650	**Voltage:** 12 **kW:** 1.4 **B+:** M8 **Total length:** 218.00 **Gear type:** GR **Mount. holes:** 2 (0) Not Insulated return **A:** 88.80 **B:** 48.00
9 NEW PRODUCT www.hc-cargo.com	**114739**			228000-5750	**Voltage:** 12 **kW:** 0.8 **B+:** M8 **Total length:** 202.00 **Gear type:** GR **Mount. holes:** 2 (0) **A:** 95.00 **B:** 20.00
10 NEW PRODUCT www.hc-cargo.com	**114748**			128000-5590	**Voltage:** 12 **kW:** 1.4 **B+:** M8 **15a:** M4 **Total length:** 189.00 **Gear type:** GR **Mount. holes:** 2 (0) Not Insulated return **A:** 89.00 **B:** 20.00

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VARIOUS AGRICULTURE VEHICLES

	HC-CARGO	Model		Replacing	Information
NEW PRODUCT www.hc-cargo.com	**114824**			AZF4571, AZF4292, 11.132.083, 11.131.254	**Voltage:** 24 **kW:** 4.0 **B+:** M10 **Total length:** 320.50 **Gear type:** GR **Mount. holes:** 3 (0) **A:** 88.90 **B:** 47.00
9 NEW PRODUCT www.hc-cargo.com	**114891**			428000-1591, 428000-1590	**Voltage:** 12 **kW:** 1.1 **B+:** M8 **Total length:** 211.50 **Gear type:** GR **Mount. holes:** 2 (0) **A:** 80.00 **B:** 20.00
13 NEW PRODUCT www.hc-cargo.com	**115324**			0001366010	**Voltage:** 12 **kW:** 1.9 **B+:** M10 **Total length:** 292.00 **Gear type:** DD **Mount. holes:** 2 (0) **A:** 82.50 **B:** 21.00
11 NEW PRODUCT www.hc-cargo.com	**115329**			0001107046, 0001107040, AZE2649, 11.131.299	**Voltage:** 12 **kW:** 1.2 **B+:** M8 **Total length:** 212.00 **Gear type:** GR **Mount. holes:** 2 (0) **A:** 76.20 **B:** 16.00
10 NEW PRODUCT www.hc-cargo.com	**115388**			6502540MO30SM	**Voltage:** 12 **B+:** 1/4" UNC **Gear type:** PMDD **Mount. holes:** 2 (0) Not Insulated return **B:** 40.00
NEW PRODUCT www.hc-cargo.com	**115391***			77FB10300GB, 77FB10300GA, AZF4146, 11.131.573	**Voltage:** 12 **kW:** 4.0 **Gear type:** GR **Mount. holes:** 3 (0)
NEW PRODUCT www.hc-cargo.com	**115392***			AZF4147, 11.131.574	**Voltage:** 12 **kW:** 4.0 **Gear type:** GR **Mount. holes:** 3 (0)
10 NEW PRODUCT www.hc-cargo.com	**115393**			AZF4148, 11.131.575	**Voltage:** 12 **kW:** 4.0 **B+:** M10 **Total length:** 321.00 **Gear type:** GR **Mount. holes:** 3 (0) Not Insulated return **A:** 89.00 **B:** 29.50

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VARIOUS AGRICULTURE VEHICLES

	HC-CARGO	Model		Replacing	Information
10 NEW PRODUCT www.hc-cargo.com	**115406***			31200-ZF5A-L310, 31200-ZF5-L32	**Voltage:** 12
10 NEW PRODUCT www.hc-cargo.com	**115428**			0001354094, 0001354026	**Voltage:** 12 **kW:** 1.8 **B+:** M10 **Total length:** 323.00 **Gear type:** DD **Mount. holes:** 2 (0) **A:** 82.30 **B:** 20.60
15 NEW PRODUCT www.hc-cargo.com	**115469***			715208	**Voltage:** 12 **Mount. holes:** 2 (0)
11 NEW PRODUCT www.hc-cargo.com	**115590**			1510003	**Voltage:** 24 **kW:** 9.0 **B+:** M12 **B-:** M12 **Gear type:** DD **Mount. holes:** 0 (0) Insulated return **A:** 68.00 **B:** 37.50
24 NEW PRODUCT www.hc-cargo.com	**115591***			694504	**Voltage:** 12
NEW PRODUCT www.hc-cargo.com	**115592***			695479	**Voltage:** 12

VOLVO BM

	HC-CARGO	Model		Replacing	Information
9	**113482**	800, 2600, SM	861, 2650, 2654, SM 868	0001367046, 0001367045, 0001359089, 0001359087, 0001359044, 0001359013, AZJ3310, 11.130.881	**Voltage:** 12 **kW:** 3.0 **B+:** M10 **Total length:** 338.50 **Drive type:** Steel **Gear type:** DD **Clutch type:** Wet **Mount. holes:** 3 (0) **A:** 88.75 **B:** 47.00

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VOLVO BM

	HC-CARGO	Model		Replacing	Information
9	**113850**	A	A20	0001416059, AZK5467, 19024101	**Voltage:** 24 **kW:** 5.4 **B+:** M10 **B-:** M10 **Total length:** 387.00 **Drive type:** Steel **Gear type:** DD **Clutch type:** Dry **Mount. holes:** 3 (0) Not Insulated return Oil sealed **A:** 89.00 **B:** 48.00
11	**110207**	L	L 160	0001417035, 0001416070, 0001416007, 0001416005, 0001415013, 0001414019, 0001410046, 0001402057, 110207, S115A24-21, 2998008, 1327A601, 1327A600, R23.10, 6100000, 11.139.106, 9125240, 19024553, 19024013	**Voltage:** 24 **kW:** 5.4 **B+:** M10 **B-:** M10 **Total length:** 387.00 **Drive type:** Steel **Gear type:** DD **Mount. holes:** 3 (0) **A:** 89.00 **B:** 47.00
9	**112132**	LM	LM 621, LM 641, LM 841, LM 845	0001368030, 0001360036, 0001360023, AZJ3277, 11.130.766	**Voltage:** 24 **kW:** 4.0 **B+:** M10 **Total length:** 339.00 **Drive type:** Steel **Gear type:** DD **Mount. holes:** 3 (0) Oil sealed **A:** 88.70 **B:** 47.00
9	**110537**	T	T350, T800, T810, T814	BNG4/12CR247, BNG4/12CR215, 0001418012, 0001418001, 0001413006, 0001413002, 0001413001, 0001401066, AZK5196, AZK5195, AZK5168, AZK5106, AZK5105, 11.139.037, 11.139.036, 11.139.008, 11.130.126, 19024562, 19024561, 19024000	**Voltage:** 12 **kW:** 3.6 **B+:** M10 **B-:** M10 **Total length:** 384.50 **Drive type:** Steel **Gear type:** DD **Mount. holes:** 3 (0) **A:** 89.00 **B:** 47.00
9	**111217**	T	T800, T810	BNG4/12CR222, 0001418004, 0001418003, 0001413010, 0001413007, 0001401068, 0001401052, 0001401028, AZK5511, AZK5457, AZK5449, AZK5192, AZK5112, 11.139.108, 11.139.098, 11.139.033, 11.130.142, MT38RA, MT38R, MT38M, 19024566, 19024565	**Voltage:** 12 **kW:** 3.0 **B+:** M10 **B-:** M10 **Total length:** 386.50 **Drive type:** Steel **Gear type:** DD **Mount. holes:** 3 (0) **A:** 89.00 **B:** 48.00

YANMAR

	HC-CARGO	Model		Replacing	Information
11	**112674**	YM	YM1300, YM1500	S114-230A, S114-203	**Voltage:** 12 **kW:** 1.3 **B+:** M8 **Total length:** 208.00 **Drive type:** Steel **Gear type:** DD **Clutch type:** Wet **Mount. holes:** 2 (0) **A:** 89.00 **B:** 24.00
9	**113680**	YM	YM1300	S114-656A, S114-656	**Voltage:** 12 **kW:** 0.9 **B+:** M8 **Total length:** 189.00 **Drive type:** Steel **Gear type:** GR **Mount. holes:** 2 (0) **A:** 88.70 **B:** 16.00

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DC Motors

Edition 2015/2016

ISO 9001
BUREAU VERITAS
Certification

VARIOUS AGRICULTURE VEHICLES

	HC-CARGO	Model		Replacing	Information
	114858			24MD22STWAZ, 104024Z, 104012Z	**Voltage:** 24 **kW:** 2.0 **Length:** 193.00
	114862			24MD22TWA, 104024	**Voltage:** 24 **kW:** 2.0 **Length:** 179.80
	114863			24MD22TVR2, 24MD22TVR1, 24MD22TVR, 1500VB	**Voltage:** 24 **kW:** 2.0 **Length:** 181.66

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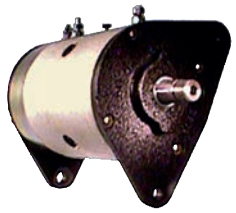
Dynastarters

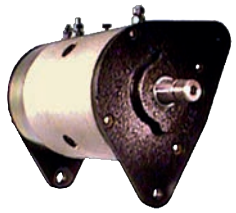
Edition 2015/2016

ISO 9001
BUREAU VERITAS
Certification

BCS

	HC-CARGO	Model		Replacing	Information
	**110060**	600, 700	601, 715, 725	0010300100, 0010300006, 0010300004, 0010300002, 19025600	**Voltage:** 12 **Ampere:** 11 **kW:** 0.9 **Pulley:** w/o **Length:** 236.50 *Regulator: HC-CARGO 235781.* *Solenoid: HC-CARGO 133695.*

GOLDONI

	HC-CARGO	Model		Replacing	Information
	**110060**	600	611	0010300100, 0010300006, 0010300004, 0010300002, 19025600	**Voltage:** 12 **Ampere:** 11 **kW:** 0.9 **Pulley:** w/o **Length:** 236.50 *Regulator: HC-CARGO 235781.* *Solenoid: HC-CARGO 133695.*

JOHN DEERE

	HC-CARGO	Model		Replacing	Information
	113145	Gator	Various Models	GSB107-06F, GSB107-06E, GSB107-06	**Voltage:** 12 **Ampere:** 15 **kW:** 0.75 **Pulley:** w/o **Length:** 241.50 Not Insulated return *Regulator: HC-CARGO 233625.*

O.E.M. names and numbers are used for reference purposes only.

Alternator parts

Edition 2015/2016

ISO 9001
BUREAU VERITAS
Certification

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

REGULATORS/RECTIFIERS

14 VOLT

234167# Regulator/Rectifier — **Replacing:** 493219

Dist. mount. holes: 66.35

234170 Regulator/Rectifier — **Replacing:** 691188, 491546

Amp: 9

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REGULATORS

14 VOLT

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
130883 Regulator	**Replacing:** RB340, ncb132, ncb130, 37573, 37572, 37570, 37563a, 37563, 37542, 37451, 37362, 37344		
	Amp: 22	**Dist. mount. holes:** 115.85	**Regulator type:** Electronic
130884 Regulator	**Replacing:** ncb131, ncb121, 37574a, 37574, 37568, 37543, 37529, 37342		
	Amp: 25	**Dist. mount. holes:** 113.60	

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	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

REGULATORS

14 VOLT

130505 Regulator

Servicing: 10DN, 20DN
Replacing: d663, d6353, d635, d634, d632, d631, 1119519, 1119515, 1119512, 1119507, 1119506

Voltage setting:	Dist. mount. holes:	Terminal type: F-S-B+-L Regulator type: Electronic
14.5	91.00	

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	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

REGULATORS

14 VOLT

130032 Regulator	**Servicing:** 0101302022, 0101302023, 0101302027, 0101302067, 0101302068, 0101302069, 0101302070, 0101302075, 0101302076, 0101302085 **Replacing:** 0190350079, 0190350069, 0190350059, 0190350054, 0190350039, 0190350038, 0190350005, 0190309038		
	Amp: 30 **Watt:** 360	**D+ type:** Screw **Dist. mount. holes:** 125.00	**Terminal type:** D+ - DF-B+ **Regulator type:** Mechanical
130033 Regulator	**Replacing:** ncb136, ncb134, 37592, 37577, 37503, 37432		
	Amp: 11	**D+ type:** Spade **Dist. mount. holes:** 119.00	**Terminal type:** E-D-WL-F-B **Regulator type:** Mechanical
130038 Regulator	**Replacing:** ncb114, ncb113, 37399, 37396, 37277, 37274, 37258, 37230, 37229, 37198, 37197		
	Amp: 9-12	**Dist. mount. holes:** 94.00	**Regulator type:** Mechanical
130039 Regulator	**Replacing:** ncb112, 37395, 37228		
	Amp: 9-12	**Dist. mount. holes:** 108.00	**Regulator type:** Mechanical
130040 Regulator	**Replacing:** ncb119, 37407, 37403, 37397, 37388, 37327		
	Amp: 9-12	**D+ type:** Spade **Dist. mount. holes:** 111.00	**Regulator type:** Mechanical
130041 Regulator	**Replacing:** ncb120, ncb118, 37408, 37405, 37398, 37365		
	Amp: 9-12	**D+ type:** Spade **Dist. mount. holes:** 96.50	**Regulator type:** Mechanical
235781 Regulator	**Servicing:** 0010300100, 0101209016, 0101209033, 0101209039, LJ/GEH90/12/1800F, LJ/GEH90/12/2300R **Replacing:** F026T02200, 9190215028, 9120215028, 0190350045, 0190350009, 0190309032, 0190215037, 0190215029, 11.125.078		
	Amp: 11 **Watt:** 130	**D+ type:** Screw **Dist. mount. holes:** 95.00	**Regulator type:** Electronic

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	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
235782 Regulator	**Servicing:** 0101302004, 0101302035, 0101302038, 0101302039, 0101302044, 0101353005, 0101353037, 0101354023, 0101355016, 0101355042 **Replacing:** F026T02201, 0190350046, 0190309015, 0190309012, 0190309003, 0190215036, 0190215031, 0190215030		
	Amp: 16 **Watt:** 192	**D+ type:** Screw **Dist. mount. holes:** 95.00	**Regulator type:** Electronic
235783 Regulator	**Servicing:** 0101206009, 0101206011, 0101206012, 0101206043, 0101207005, LJ/GEG160/12/2500 **Replacing:** F026T02202, 9190083000, 9190082001, 0190309037, 0190309029, 0190309028, 0190309016, 0190309004		
	Amp: 20 **Watt:** 240	**D+ type:** Screw **Dist. mount. holes:** 95.00	**Regulator type:** Electronic
235784 Regulator	**Replacing:** F026T02203, 0190350055, 0190350013, 0190350007, 0190350006, 0190309018, 0190215034		
	Amp: 25 **Watt:** 300	**Dist. mount. holes:** 95.00	**Regulator type:** Electronic
235785 Regulator	**Servicing:** 0101302067, 0101302068, 0101302069, 0101302070, 0101302075, 0101302076, 0101302085, 0101302086, 0101302089, 0101302090 **Replacing:** F026T02204, 0190350068		
	Amp: 30 **Watt:** 360	**Dist. mount. holes:** 94.00	**Regulator type:** Electronic
235786 Regulator	**Servicing:** 0101206063, 0101206064, 0101206116, 0101206117, 0101302074, 0101302083, 0101302107, 0101302108, 0101356005, 0101356013 **Replacing:** F026T02205, 0190350063, 0190350041, 0190350040, 0190350034, 0190350015, 0190309040, 0190309020		
	Amp: 38 **Watt:** 456	**D+ type:** Screw **Dist. mount. holes:** 95.00	**Regulator type:** Electronic

28 VOLT

130037# Regulator	**Servicing:** 0101402060, 0101402061, 0101402062, 0101402065, 0101402088, 0101402089, 0101402099, LJ/GK300/24/1300A **Replacing:** 0190118005, 0190117009, 0190117004, 0190103008, 0190103002, 0190101012, 0190101011, 0190101007, 11.125.071		
	Amp: 19 **Watt:** 450	**D+ type:** Screw **Dist. mount. holes:** 125.00	**Terminal type:** D+ - DF-B+ **Regulator type:** Mechanical

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REGULATORS

14 VOLT

235781 Regulator

Servicing: 0010300100, 0101209016, 0101209033, 0101209039, LJ/GEH90/12/1800F, LJ/GEH90/12/2300R

Replacing: F026T02200, 9190215028, 9120215028, 0190350045, 0190350009, 0190309032, 0190215037, 0190215029, 11.125.078

Amp: 11
Watt: 130

D+ type: Screw
Dist. mount. holes: 95.00

Regulator type: Electronic

235784 Regulator

Replacing: F026T02203, 0190350055, 0190350013, 0190350007, 0190350006, 0190309018, 0190215034

Amp: 25
Watt: 300

Dist. mount. holes: 95.00

Regulator type: Electronic

235785 Regulator

Servicing: 0101302067, 0101302068, 0101302069, 0101302070, 0101302075, 0101302076, 0101302085, 0101302086, 0101302089, 0101302090

Replacing: F026T02204, 0190350068

Amp: 30
Watt: 360

Dist. mount. holes: 94.00

Regulator type: Electronic

O.E.M. names and numbers are used for reference purposes only.

Starter parts

Edition 2015/2016

ISO 9001
BUREAU VERITAS
Certification

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

DRIVES

137278 Drive Kit
Servicing: 390838, 391178, 392749, 393499, 394807, 394943
Replacing: 391461

Gear: HC-CARGO 139395.

No./ teeth: 16

139417 Drive Kit
Servicing: 394808, 396306, 399169, 490420, 494148, 494198, 494990, 495100, 498148
Replacing: 696539, 495877, 490467, 393254

Gear: HC-CARGO 139395.

ID 16.20, **OD:** 40.00
Total length: 11.55

No./ teeth: 16
Splines A: 3

139418 Drive Kit
Servicing: 394805, 394808, 396306, 399169, 399928, 490420, 494148, 494198, 494990, 495100, 498148
Replacing: 696540, 495878, 490771, 490421, 396865, 3886

Gear: HC-CARGO 139395.

230399 Drive Kit
Servicing: 490753, 495104
Replacing: 491836

OD: 40.00
Total length: 19.50

No./ teeth: 16

230400 Drive Kit
Servicing: 497401, 497594, 497595, 497596, 499521, 693054
Replacing: 497606

w/ snap ring.

OD: 41.00
Total length: 11.50

No./ teeth: 16

DRIVE PARTS

PINION

139395 Pinion
Servicing: 390838, 394805, 399928, 491334, 495102, 497596, 498148
Replacing: 693059, 4114, 280104

ID 20.50, **OD:** 41.00
Height: 11.50

No./ teeth: 16
Splines: 2

O.E.M. names and numbers are used for reference purposes only.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
234466 Pinion	**Replacing:** all caps		
		ID 15.90, **OD:** 40.60/1.60" **Height:** 19.80/0.78"	**No./ teeth:** 16 **Splines:** 2
235627 Pinion	**Servicing:** 693551, 693552, 695479 **Replacing:** 693713		
		ID 16.20, **OD:** 40.85 **Total length:** 13.80	**No./ teeth:** 14 **Rotation:** ACR **Splines A:** 2

CLUTCHES

234211 Clutch	**Servicing:** 393499, 394805, 394807, 394808, 394943, 396306, 399169, 399928, 490420, 491308, 494148, 494198, 494990, 495100, 497401 **Replacing:** 692024, 398003, 391135		

O.E.M. names and numbers are used for reference purposes only.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

DRIVES

DRIVE PARTS

PINION

234121# Pinion

Servicing: 33835
Replacing: 33844

ID 10.25, **OD:** 32.00
Height: 31.00

No./ teeth: 11

234122# Pinion

Servicing: 34934, 35707, 35709, 36086, 36123
Replacing: 34949a

ID 9.70, **OD:** 26.90
Height: 20.30

No./ teeth: 9

O.E.M. names and numbers are used for reference purposes only.

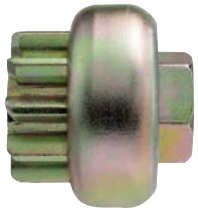
	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

DRIVES

135400 Drive

Servicing: 0139940m030sm, 0228940mo30sm, 0246540mo30sm, 0246640MO30SM, 0319940m030sm, 0996340mo30sm, 1065221mo30sm, 1097028m030sm
Replacing: DV70175, dv18019, 7017540DV30SM, 7017540, 1801940dv30sm, 1801940

Bronze.



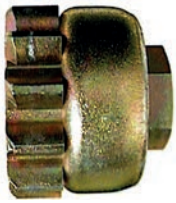
ID 12.85, **OD:** 31.75
Total length: 36.75

No./ teeth: 10
Rotation: ACR
Splines A: 6

135401 Drive

Servicing: 0255640-mo30sm, 4411940-m030sm, sm02556, sm44119, SM48510
Replacing: dv16375, 1637540dv30sm

Bronze.



ID 12.85, **OD:** 43.00
OD/ housing: 41.30
Total length: 36.40

No./ teeth: 11
Rotation: ACR
Splines A: 6

135402 Drive

Servicing: 0814240M030SM, 4820440M030SM, 4820540MO30SM, 4886540mo30sm, 5275640Mo30SM, 5672740MO30SM, sm08142, sm14916, sm17183
Replacing: dv70104, dv47871, dv08154, 7010440dv30sm, 4787140dv30sm, 0815440dv30sm

Bronze.

ID 12.15, **OD:** 27.00
Total length: 35.65

No./ teeth: 8
Rotation: ACR
Splines A: 6

135403 Drive

Servicing: 0996140mo30sm, sm09961, smh12b31, SMH12B37
Replacing: dv02557, 0255740dv30sm

Bronze.

ID 12.15, **OD:** 29.00
OD/ housing: 41.75
Total length: 35.00

No./ teeth: 9
Rotation: ACR
Splines A: 6

135404 Drive

Servicing: 1122940-m030sm, 1574440M030SM, 1574540mo30sm, 1799640MO30SM, 5059240MO30SM, 5071240M030SM, SM002610, sm02610, sm10629
Replacing: dv20346, 2034640dv30sm

ID 13.00, **OD:** 36.55
OD/ housing: 41.80
Total length: 35.50

No./ teeth: 9
Rotation: ACR
Splines A: 6

135406 Drive

Servicing: 4412040M030SM, 5273440M030SM, sm44120
Replacing: dv44192, 4419240dv30sm

Bronze.

ID 12.85, **OD:** 29.00
OD/ housing: 41.75
Total length: 36.85

No./ teeth: 9
Rotation: ACR
Splines A: 6

O.E.M. names and numbers are used for reference purposes only.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
135408 Drive	**Servicing:** 1819040-mo30sm, 1819040mo30sm, 1819140M030SM, 2134940-M030SM, 2134940Mo30SM, 5213140-m030sm, 5213140MO30SM **Replacing:** dv18200, 1820040dv30sm		
Bronze.			
		ID 12.15, **OD:** 29.00 **OD/ housing:** 41.50 **Total length:** 36.55	**No./ teeth:** 9 **Rotation:** ACR **Splines A:** 6
135409 Drive	**Servicing:** 0599440-m030sm, 0599540mo30sm, 1570140mo30sm, 1635340-m030sm, 4733040mo30sm, 5129640mo30sm, 5665740MO30SM **Replacing:** dv551067as, dv551067a, dv551067, dv47338, 5695KT30SM, 5695340KT30SM, 4733840dv30sm		
		ID 10.45, **OD:** 32.25 **Total length:** 28.00	**No./ teeth:** 10 **Rotation:** ACR **Splines A:** 7
135410 Drive	**Servicing:** smh12a102, smh12a201, smh12a202, SMH13A102, SMH13A201, SMH13A202, SMH13A62 **Replacing:** dv551092as, dv551092a		
Bronze.			
		ID 10.50, **OD:** 32.20 **OD/ housing:** 41.75 **Total length:** 30.00	**No./ teeth:** 10 **Rotation:** ACR **Splines A:** 4
135411# Drive	**Servicing:** smh12a11 **Replacing:** dv551068a		
Bronze.			
		ID 10.50, **OD:** 38.75 **OD/ housing:** 41.20 **Total length:** 30.85	**No./ teeth:** 18 **Splines A:** 7
230399 Drive Kit	**Servicing:** 6013840Mo30SM, 6019440mo30sm **Replacing:** 6024140ge30sm		
		OD: 40.00 **Total length:** 19.50	**No./ teeth:** 16

DRIVE PARTS

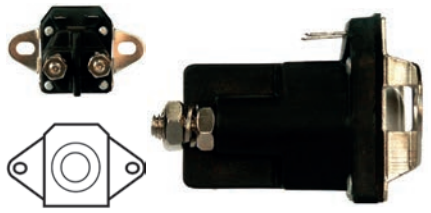
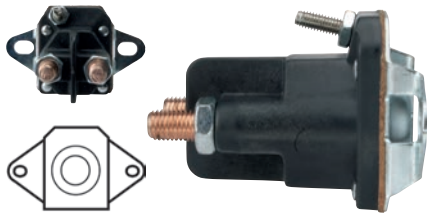
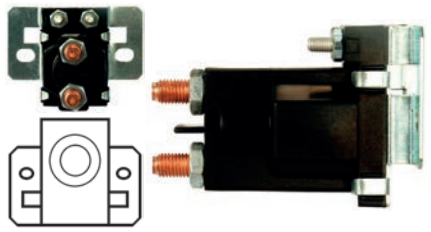
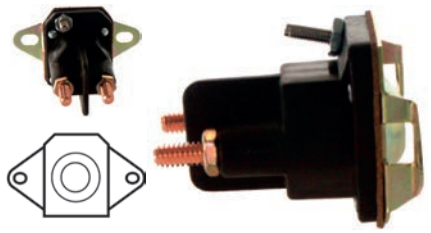
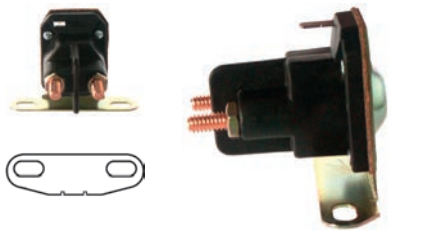
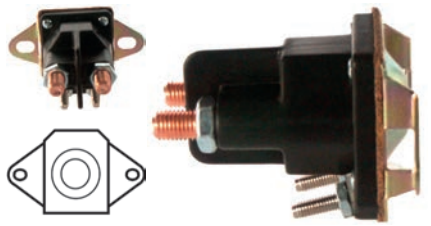
PINION

139395 Pinion	**Replacing:** 280104		
		ID 20.50, **OD:** 41.00 **Height:** 11.50	**No./ teeth:** 16 **Splines:** 2

O.E.M. names and numbers are used for reference purposes only.

SOLENOIDS

12 VOLT

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
231525 Solenoid	**Replacing:** all caps		
Insulated return.			
	**Voltage:** 12 **Amp:** 80	**B+:** 1/4"-20 **Height/B+:** 18.00 **Kl. 15a:** 10-24 UNC **Kl. 50:** 10-24 UNC **Total length:** 66.45 **Coil bolt:** 1/4"-20 **Coil bolt 2:** 18.00	**No./ terminal:** 4
231526 Solenoid	**Replacing:** all caps		
Relay w/ 1/4" B+: HC-CARGO 234070.			
	**Voltage:** 12 **Amp:** 80	**B+:** 5/16-24 **Height/B+:** 9.50 **Kl. 50:** M4 **Width/ kl. 50:** 10.20 **OD:** 55.85 **Total length:** 55.15 **Coil bolt:** 5/16"-24 **Coil bolt 2:** 9.50	**No./ terminal:** 3
231527 Solenoid	**Replacing:** all caps		
	**Voltage:** 12 **Amp:** 80	**B+:** 5/16-24 **Height/B+:** 11.55 **Kl. 15a:** M5 **Width/ kl. 15a:** 7.00 **Kl. 50:** M5 **Width/ kl. 50:** 6.90 **OD:** 54.20 **Total length:** 77.65 **Coil bolt:** 5/16"-24 **Coil bolt 2:** 11.45	**No./ terminal:** 4
234070 Solenoid	**Replacing:** all caps		
Relay w/ 5/16" B+: HC-CARGO 231526.			
	**Voltage:** 12	**B+:** 1/4"-20 **Height/B+:** 17.00 **Kl. 50:** M5 **Width/ kl. 50:** 15.95 **Total length:** 66.40 **Coil bolt:** 1/4"-20 **Coil bolt 2:** 17.00	**No./ terminal:** 3
234071 Solenoid	**Replacing:** all caps		
	**Voltage:** 12 **Amp:** 80	**B+:** 5/16-24 **Height/B+:** 16.70 **Kl. 50:** 6.30 **Width/ kl. 50:** 11.15 **Total length:** 64.25 **Coil bolt:** 5/16"-24 **Coil bolt 2:** 16.70	**No./ terminal:** 3
234072 Solenoid	**Replacing:** all caps		
Insulated return.			
	**Voltage:** 12 **Amp:** 80	**B+:** 5/16-24 **Height/B+:** 16.90 **Kl. 15a:** M5 **Width/ kl. 15a:** 15.30 **Kl. 50:** M5 **Width/ kl. 50:** 15.30 **Total length:** 66.50 **Coil bolt:** 5/16"-24 **Coil bolt 2:** 16.90	**No./ terminal:** 4

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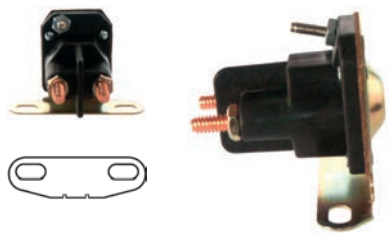
	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
234073 Solenoid	**Replacing:** all caps		
	**Voltage:** 12 **Amp:** 80	**B+:** 1/4"-20 **Height/B+:** 16.85 **Kl. 15a:** 10-24 UNC **Kl. 50:** M5 **Width/ kl. 50:** 16.25 **Total length:** 64.15 **Coil bolt:** 1/4"-20 **Coil bolt 2:** 16.85	**No./ terminal:** 3

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A/C Compressors

Edition 2015/2016

ISO 9001
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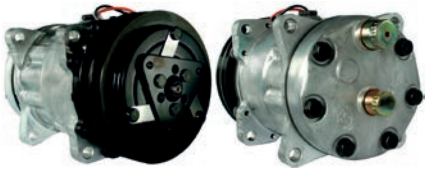
CASE

	HC-CARGO	Model		Replacing	Information
	240821	900 Series, 1000 Series, XL	956 (XL), 1056, Various Models	3405689R2, 4437339, SD508-9026, SD508-9268, SD7H15-4434, SD508-9263,SD7H15-4434	**Voltage:** 12 **Grooves:** 2 **Oil type:** PAG 100 **Oil capacity:** 200 ml. **Refrigerant:** R134a **A:** 132.00 **B1:** 39.00 **B2:** 39.00 **C:** 225.00
	240389	1000 Series, 5000 Series	1056, 5120 (Maxxum), 5130 (Maxxum)	194121A1,199755C2, 1999755C3, 86993462, SD7h15-4609, SD7H15-U4609	**Voltage:** 12 **Grooves:** 2 **Oil type:** PAG 100 **Oil capacity:** 285 ml. **Refrigerant:** R134a **A:** 153.00 **B1:** 39.50 **B2:** 36.50 **C:** 232.50
	**240341**	Various Models		84018077, 89831429, 84018078, SD7H15-7862, SD7H15-8023, SD7H15-8181, SD7H15-8227, 4437339	**Voltage:** 12 **Grooves:** 2 **Oil type:** PAG 46 **Oil capacity:** 135 ml. **Refrigerant:** R134a **A:** 132.00 **B1:** 39.50 **B2:** 38.00 **C:** 236.50
	240391	Various Models		3129547, SD7H15-8035	**Voltage:** 12 **Grooves:** 10 **Oil type:** PAG 46 **Oil capacity:** 180 ml. **Refrigerant:** R134a **A:** 125.00 **B1:** 50.50 **B2:** 34.00 **C:** 213.50
NEW PRODUCT www.hc-cargo.com	**241081***	Various Models		317008A3, 504078610, 86993463, SD7H15-4768	**Voltage:** 12 **Grooves:** 8 **Oil type:** PAG 46 **Oil capacity:** 285 ml. **Refrigerant:** R134a **A:** 152.00 **B1:** 65.00 **B2:** 40.00 **C:** 240.00
NEW PRODUCT www.hc-cargo.com	**241085**	Various Models		1343925C1, 1977958C1, 1977959C1, 700712705, 97204C1, 97273C2, SD508-9588	
	241088	Various Models		84448669, SD7H15-8173	**Voltage:** 12 **Grooves:** 4 **Oil type:** PAG 46 **Oil capacity:** 135 ml. **Refrigerant:** R134a **A:** 119.00 **B1:** 38.00 **B2:** 27.00 **C:** 230.00

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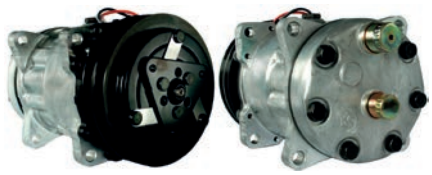
CASE

	HC-CARGO	Model		Replacing	Information
	241089	Various Models		322333200, 5176185, 05811103, 3405689C3, SD5H14-6631	**Voltage:** 12 **Grooves:** 2 **Oil type:** PAG 100 **Oil capacity:** 175 ml. **Refrigerant:** R134a **A:** 132.00 **B1:** 39.50 **B2:** 38.00 **C:** 223.00
	240818	XL	Various Models	SD7H15-4434, SD508-9268, SD508-9263	**Voltage:** 12 **Grooves:** 2 **Oil type:** PAG 100 **Oil capacity:** 200 ml. **Refrigerant:** R134a **A:** 132.00 **B1:** 39.00 **B2:** 39.50 **C:** 226.00

CLAAS

	HC-CARGO	Model		Replacing	Information
	240402	Various Models		SD7H15-7975, SD7H15-7975B, 6259932, 6259940	**Voltage:** 12 **Grooves:** 2 **Oil type:** PAG 100 **Oil capacity:** 300 ml. **Refrigerant:** R134a **A:** 152.00 **B1:** 39.50 **B2:** 38.00 **C:** 218.00
	240413	Various Models		SD5H14-6651, 6258771, 6258790	**Voltage:** 12 **Grooves:** 2 **Oil type:** PAG 46 **Oil capacity:** 180 ml. **Refrigerant:** R134a **A:** 152.00 **B1:** 38.00 **B2:** 37.00 **C:** 206.00

DEUTZ-FAHR

	HC-CARGO	Model		Replacing	Information
	**240341**	Agrotron	Various Models	84018077, 89831429, 84018078, SD7H15-7862, SD7H15-8023, SD7H15-8181, SD7H15-8227, 4437339	**Voltage:** 12 **Grooves:** 2 **Oil type:** PAG 46 **Oil capacity:** 135 ml. **Refrigerant:** R134a **A:** 132.00 **B1:** 39.50 **B2:** 38.00 **C:** 236.50
	240794	Agrotron	Various Models	44437338, 1136524, 1136585, SD7H15-8091	**Voltage:** 12 **Grooves:** 2 **Oil type:** PAG 46 **Oil capacity:** 210 ml. **Refrigerant:** R134a **A:** 150.00 **B1:** 43.50 **B2:** 38.00 **C:** 228.00

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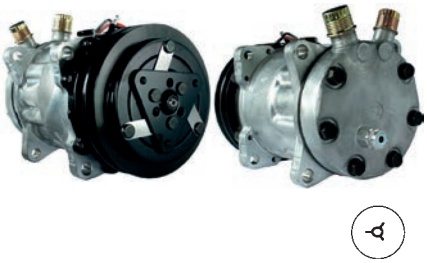
DEUTZ-FAHR

	HC-CARGO	Model		Replacing	Information
	**240347**	Various Models		SD508-9285, SD510-9103, SD7H15-7825, SD7H5-8062, 4363723	**Voltage:** 12 **Grooves:** 2 **Oil type:** PAG 46 **Oil capacity:** 207 ml. **Refrigerant:** R134a **A:** 132.00 **B1:** 40.00 **B2:** 37.50 **C:** 232.00
NEW PRODUCT www.hc-cargo.com	**241082***	Various Models		241082 4363723, SD508-8387	
NEW PRODUCT www.hc-cargo.com	**241083**	Various Models		SD7H15-8104, 4647, 4664, 4774200, 7825, 8104, 8220, 123-04998	**Voltage:** 12 **Grooves:** 2 **Oil type:** PAG 46 **Oil capacity:** 135 ml. **Refrigerant:** R134a **A:** 132.00 **B1:** 38.00 **B2:** 39.50 **C:** 210.00

JCB

	HC-CARGO	Model		Replacing	Information
NEW PRODUCT www.hc-cargo.com	**241083**	Various Models		SD7H15-8104, 4647, 4664, 4774200, 7825, 8104, 8220, 123-04998	**Voltage:** 12 **Grooves:** 2 **Oil type:** PAG 46 **Oil capacity:** 135 ml. **Refrigerant:** R134a **A:** 132.00 **B1:** 38.00 **B2:** 39.50 **C:** 210.00

JOHN DEERE

	HC-CARGO	Model		Replacing	Information
	240552	2000 Series	2054, 2056, 2058	447100-2994, AZ44541	**Voltage:** 12 **Grooves:** 2 **Oil type:** PAG 46 **Oil capacity:** 180 ml. **Refrigerant:** R134a **A:** 131.50 **B1:** 44.00 **B2:** 29.50 **C:** 201.50
	240553	6000 Series	6110, 6200	447100-2320, 447100-2321, 447100-2322, 447100-2324, AL155836, AL78779, TY6769	**Voltage:** 12 **Grooves:** 8 **Oil type:** PAG 46 **Oil capacity:** 180 ml. **Refrigerant:** R134a **A:** 120.00 **B1:** 52.00 **B2:** 27.00 **C:** 204.00
	240559	7000 Series	7800, 7810	447100-2381, 447100-2382, 447100-2383, 447100-2384, 447100-2385, 447100-2400, 447100-2401, 447200-5033, RE46609, TY24304, TY6764	**Voltage:** 12 **Grooves:** 8 **Oil type:** PAG 46 **Oil capacity:** 230 ml. **Refrigerant:** R134a **A:** 140.00 **B1:** 62.50 **B2:** 38.50 **C:** 219.50

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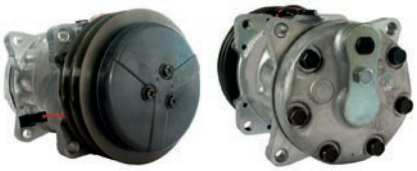
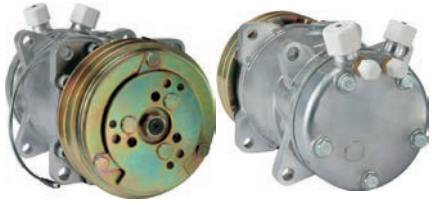
MASSEY FERGUSON

	HC-CARGO	Model		Replacing	Information
	240347	Combines	Various Models	SD508-9285, SD510-9103, SD7H15-7825, SD7H5-8062, 4363723	**Voltage:** 12 **Grooves:** 2 **Oil type:** PAG 46 **Oil capacity:** 207 ml. **Refrigerant:** R134a **A:** 132.00 **B1:** 40.00 **B2:** 37.50 **C:** 232.00
NEW PRODUCT www.hc-cargo.com	**241087**	MF 3000, Various Models	Various Models	3386861M1, SD510-9149	
	**240428**	MF 4000	4225, 4235, 4240	SD7H15-7952, SD7H15-8056, SD7H15-8088, 3157920, 3712528M2, 3779466M1, 3782613M2	**Voltage:** 12 **Grooves:** 2 **Oil type:** PAG 46 **Oil capacity:** 190 ml. **Refrigerant:** R134a **A:** 140.00 **B1:** 38.00 **B2:** 36.00 **C:** 225.00
	240346	MF 6000, MF 7000	Various Models	82002069, 8201615, SD7H15-7890, SD7H15-8028, SD7H15-8230	**Voltage:** 12 **Grooves:** 8 **Oil type:** PAG 46 **Oil capacity:** 190 ml. **Refrigerant:** R134a **A:** 119.00 **B1:** 50.00 **B2:** 39.50 **C:** 209.00
	241086	Various Models		4281803MI, SD7H15-8244	**Voltage:** 12 **Grooves:** 6 **Oil type:** PAG 46 **Oil capacity:** 190 ml. **Refrigerant:** R134a **A:** 119.00 **B1:** 56.50 **B2:** 38.50 **C:** 223.00
	**241093**	Various Models		1690711M1, SD510-9120	**Voltage:** 12 **Grooves:** 2 **Oil type:** PAG 100 **Oil capacity:** 240 ml. **Refrigerant:** R134a **A:** 132.00 **B1:** 39.50 **B2:** 38.50 **C:** 247.00
NEW PRODUCT www.hc-cargo.com	**241094**	Various Models		1103234, 3550921M91, 4234471M1, SD7H15-8019	**Voltage:** 12 **Grooves:** 2 **Oil type:** PAG 46 **Oil capacity:** 240 ml. **Refrigerant:** R134a **A:** 132.00 **B1:** 38.50 **B2:** 39.50 **C:** 232.00

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MASSEY FERGUSON

	HC-CARGO	Model		Replacing	Information
NEW PRODUCT www.hc-cargo.com	**241099**	Various Models		SD510-5738, 1688310M2	**Voltage:** 12 **Grooves:** 2 **Oil type:** PAG 100 **Oil capacity:** 200 ml. **Refrigerant:** R134a **A:** 132.00 **B1:** 39.50 **B2:** 38.00 **C:** 204.00

NEW HOLLAND

	HC-CARGO	Model		Replacing	Information
	240393	140, 4000	140-90, 4635, 4835	51655490, 47132887, SD7H15-7929	**Voltage:** 12 **Grooves:** 2 **Oil type:** PAG 100 **Oil capacity:** 180 ml. **Refrigerant:** R134a **A:** 132.00 **B1:** 40.00 **B2:** 38.00 **C:** 209.00
	240434	5600, 6600, 7000	5640, 6640, 7740	87802912, SD7H15-8148	**Voltage:** 12 **Grooves:** 4 **Oil type:** PAG 46 **Oil capacity:** 200 ml. **Refrigerant:** R134a **A:** 112.00 **B1:** 44.50 **B2:** 34.00 **C:** 231.00
	240804	8000	8000 Series	89824775, SD7H15-4637, SD7H15-U4637	**Voltage:** 12 **Grooves:** 8 **Oil type:** PAG 100 **Oil capacity:** 270 ml. **Refrigerant:** R134a **A:** 133.00 **B1:** 46.50 **B2:** 35.00 **C:** 261.50
	240432	8000, M, TM	8000 Series, M SERIES, TM SERIES	820161581, SD7H15-8100	**Voltage:** 12 **Grooves:** 8 **Oil type:** PAG 46 **Oil capacity:** 200 ml. **Refrigerant:** R134a **A:** 119.00 **B1:** 50.00 **B2:** 39.50 **C:** 218.00
	240406	CX700	720, 740, 760	84058795, SD7H15-8143	**Voltage:** 12 **Grooves:** 8 **Oil type:** PAG 46 **Oil capacity:** 135 ml. **Refrigerant:** R134a **A:** 119.00 **B1:** 50.00 **B2:** 39.50 **C:** 230.50
	240818	TX, Various Models	TX34	SD508-9263, SD508-9268, SD7H15-4434	**Voltage:** 12 **Grooves:** 2 **Oil type:** PAG 100 **Oil capacity:** 200 ml. **Refrigerant:** R134a **A:** 132.00 **B1:** 39.00 **B2:** 39.50 **C:** 226.00

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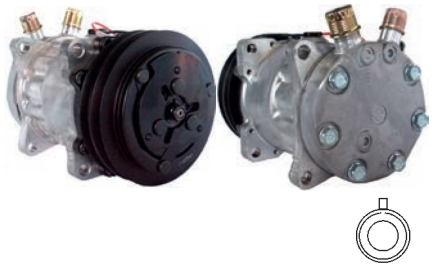
NEW HOLLAND

	HC-CARGO	Model	Replacing	Information
	240391	Various Models	3129547, SD7H15-8035	**Voltage:** 12 **Grooves:** 10 **Oil type:** PAG 46 **Oil capacity:** 180 ml. **Refrigerant:** R134a **A:** 125.00 **B1:** 50.50 **B2:** 34.00 **C:** 213.50
NEW PRODUCT www.hc-cargo.com	**241081***	Various Models	317008A3, 504078610, 86993463, SD7H15-4768	**Voltage:** 12 **Grooves:** 8 **Oil type:** PAG 46 **Oil capacity:** 285 ml. **Refrigerant:** R134a **A:** 152.00 **B1:** 65.00 **B2:** 40.00 **C:** 240.00

VARIOUS AGRICULTURE VEHICLES

	HC-CARGO	Model	Replacing	Information
	240334		SD7H13-7312	**Voltage:** 12 **Grooves:** 2 **Oil type:** PAG 100 **Oil capacity:** 135 ml. **Refrigerant:** R134a **A:** 125.00 **B1:** 44.00 **B2:** 40.50 **C:** 196.00
	240337		SD7H15-7822	**Voltage:** 12 **Grooves:** 8 **Oil type:** PAG 46 **Oil capacity:** 180 ml. **Refrigerant:** R134a **A:** 119.00 **B1:** 46.50 **B2:** 36.00 **C:** 232.00
	240345		SD7H15-8027, SD7H15-7889, SD7H15-4712	**Voltage:** 12 **Grooves:** 8 **Oil type:** PAG 46 **Oil capacity:** 135 ml. **Refrigerant:** R134a **A:** 119.00 **B1:** 50.00 **B2:** 39.00 **C:** 235.50
	240395		SD7H15-4813, 178-9570, 1789570	**Voltage:** 12 **Grooves:** 8 **Oil type:** PAG 100 **Oil capacity:** 300 ml. **Refrigerant:** R134a **A:** 133.00 **B1:** 61.50 **B2:** 37.00 **C:** 258.00
	**240423**		SD7H15-4664	**Voltage:** 12 **Grooves:** 2 **Oil type:** PAG 46 **Oil capacity:** 190 ml. **Refrigerant:** R134a **A:** 132.00 **B1:** 39.50 **B2:** 38.00 **C:** 204.00

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VARIOUS AGRICULTURE VEHICLES

	HC-CARGO	Model		Replacing	Information
	240619			SD508-9040, SD5H14-4525, SDH14-4529, SD5H14-6642	**Voltage:** 12 **Grooves:** 2 **Oil type:** PAG 100 **Oil capacity:** 175 ml. **Refrigerant:** R134a **A:** 132.00 **B1:** 39.50 **B2:** 38.00 **C:** 207.50
	240745			SD5H14-6623, 4363723	**Voltage:** 24 **Grooves:** 2 **Oil type:** PAG 100 **Oil capacity:** 200 ml. **Refrigerant:** R134a **A:** 152.50 **B1:** 39.50 **B2:** 36.50 **C:** 206.50
	240814			SD7H15-4864	**Voltage:** 12 **Grooves:** 8 **Oil type:** PAG 100 **Oil capacity:** 200 ml. **Refrigerant:** R134a **A:** 119.00 **B1:** 48.40 **B2:** 36.00 **C:** 225.00
	240815			SD7H15-7865, SD7H15-8026, SD7H15-8229	**Voltage:** 12 **Grooves:** 6 **Oil type:** PAG 100 **Oil capacity:** 200 ml. **Refrigerant:** R134a **A:** 119.00 **B1:** 46.50 **B2:** 36.00 **C:** 225.00
NEW PRODUCT www.hc-cargo.com	**241082***			4363723, SD508-8387	
	241084			15082727, 11412631, SD7H15-8044, SD7H15-8176	**Voltage:** 24 **Grooves:** 8 **Oil type:** PAG 46 **Oil capacity:** 200 ml. **Refrigerant:** R134a **A:** 132.00 **B1:** 56.50 **B2:** 31.50 **C:** 225.00
NEW PRODUCT www.hc-cargo.com	**241085**			1343925C1, 1977958C1, 1977959C1, 700712705, 97204C1, 97273C2, SD508-9588	

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VARIOUS AGRICULTURE VEHICLES

	HC-CARGO	Model		Replacing	Information
	241088			84448669, SD7H15-8173	**Voltage:** 12 **Grooves:** 4 **Oil type:** PAG 46 **Oil capacity:** 135 ml. **Refrigerant:** R134a **A:** 119.00 **B1:** 38.00 **B2:** 27.00 **C:** 230.00
	241089			322333200, 5176185, 05811103, 3405689C3, SD5H14-6631	**Voltage:** 12 **Grooves:** 2 **Oil type:** PAG 100 **Oil capacity:** 175 ml. **Refrigerant:** R134a **A:** 132.00 **B1:** 39.50 **B2:** 38.00 **C:** 223.00
	241095			500388059, SD7H15-8133	**Voltage:** 24 **Grooves:** 1 **Oil type:** PAG 46 **Oil capacity:** 200 ml. **Refrigerant:** R134a **A:** 135.00 **B1:** 49.50 **B2:** 49.50 **C:** 230.00
NEW PRODUCT www.hc-cargo.com	**241096**			504020809, 85825969, SD7H15-8174	**Voltage:** 12 **Grooves:** 1 **Oil type:** PAG 46 **Oil capacity:** 200 ML. **Refrigerant:** R134a **A:** 135.00 **B1:** 49.50 **B2:** 49.50 **C:** 225.00
NEW PRODUCT www.hc-cargo.com	**241097***			87519620, 87519620, SD7H15-8279	**Voltage:** 12 **Grooves:** 4 **Oil type:** PAG 46 **Oil capacity:** 190 ml. **Refrigerant:** R134a **A:** 112.00 **B1:** 55.00 **B2:** 44.50 **C:** 232.00
	241098			81866263, SD510-5790	**Voltage:** 12 **Grooves:** 6 **Oil type:** PAG 46 **Oil capacity:** 240 ml. **Refrigerant:** R134a **A:** 125.00 **B1:** 46.00 **B2:** 43.00 **C:** 240.00
NEW PRODUCT www.hc-cargo.com	**241112***			SD7H15-6092	**Voltage:** 12 **Grooves:** 4 **Oil type:** PAG 46 **Oil capacity:** 190 ml. **Refrigerant:** R134a **A:** 112.00 **B1:** 54.50 **B2:** 44.00 **C:** 218.00
NEW PRODUCT www.hc-cargo.com	**241158***			SD7H15-7871	

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Lighting

Edition 2015/2016

ISO 9001
BUREAU VERITAS
Certification

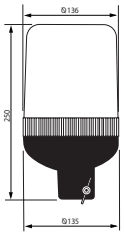
	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

WARNING LIGHTS

ROTATING BEACONS CONVENTIONAL

170295 Rotating Beacon

Lens: HC-CARGO 170308. Motor: HC-CARGO 170505. Plastic base plate: HC-CARGO 170309.



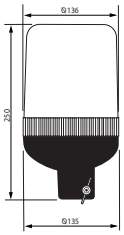
Bulb incl.: Yes
Voltage: 12

OD: 136 mm
Height: 250 mm
Width: 135.5 mm

Bulb type: H1
Lens type: PMMA/ACRYL
Colour: Orange
Model: AEB TYPE 590
Mount.: Standard ISO A - Rod
E-approval: Yes

170296 Rotating Beacon

Lens: HC-CARGO 170308. Motor: HC-CARGO 170506. Plastic base plate: HC-CARGO 170309.



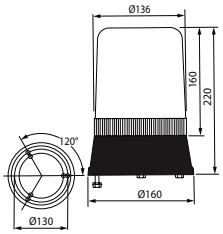
Bulb incl.: Yes
Voltage: 24

OD: 136 mm
Height: 250 mm
Width: 135.5 mm

Bulb type: H1
Lens type: PMMA/ACRYL
Colour: Orange
Model: AEB TYPE 590
Mount.: Standard ISO A - Rod
E-approval: Yes

170435 Rotating Beacon

Lens: HC-CARGO 170308. Motor: HC-CARGO 170505.



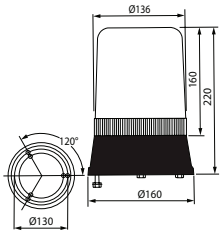
Bulb incl.: Yes
Voltage: 12

OD: 160 mm
Height: 220 mm

Bulb type: H1
Lens type: PMMA/ACRYL
Colour: Orange
Model: AEB TYPE 595
Mount.: Standard ISO B2 (and B1) - Base
E-approval: Yes

170436 Rotating Beacon

Lens: HC-CARGO 170308. Motor: HC-CARGO 170506.



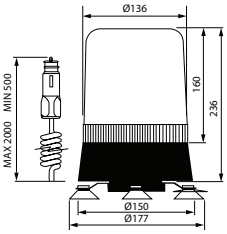
Bulb incl.: Yes
Voltage: 24

OD: 160 mm
Height: 220 mm

Bulb type: H1
Lens type: Amber dome
Colour: Orange
Model: AEB TYPE 595
Mount.: Standard ISO B2 (and B1) - Base
E-approval: Yes

170437 Rotating Beacon

Lens: HC-CARGO 170308. Motor: HC-CARGO 170505. Coil cable: lenght 2 m.



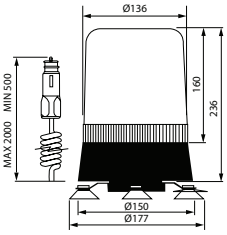
Bulb incl.: Yes
Voltage: 12

OD: 177 mm
Height: 236 mm

Bulb type: H1
Lens type: PMMA/ACRYL
Colour: Orange
Model: AEB TYPE 595 M
Mount.: 3 magnets
Base: Magnetic
Coiled cable incl.: Yes
E-approval: Yes

170438 Rotating Beacon

Lens: HC-CARGO 170308. Motor: HC-CARGO 170505. Coil cable: lenght 2 m.



Bulb incl.: Yes
Voltage: 24

OD: 177 mm
Height: 236 mm

Bulb type: H1
Lens type: PMMA/ACRYL
Colour: Orange
Model: AEB TYPE 595 M
Mount.: 3 magnets
Base: Magnetic
Coiled cable incl.: Yes
E-approval: Yes

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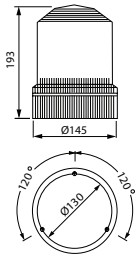
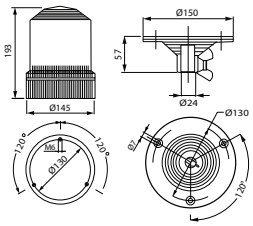
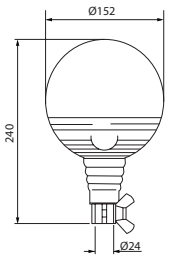
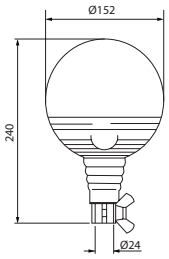
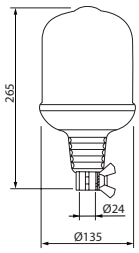
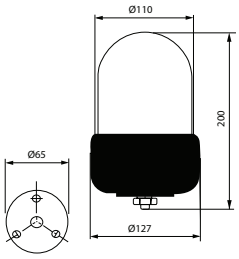
	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
170490 Rotating Beacon *Lens: HC-CARGO 170492.* 	**Bulb incl.:** No **Voltage:** 12/24	**OD:** 145 mm **Height:** 193 mm **Width:** 145 mm	**Bulb type:** H1 **Lens type:** PMMA/ACRYL **Colour:** Orange **Model:** TYPE FT 6 **Mount.:** Standard ISO B2 (and B1) - Base **Tightness norm:** IP 55 **E-approval:** Yes
170491 Rotating Beacon *Lens: HC-CARGO 170492.* 	**Bulb incl.:** No **Voltage:** 12/24	**Height:** 250 mm	**Bulb type:** H1 **Lens type:** PMMA/ACRYL **Colour:** Orange **Model:** TYPE FT 6 **Mount.:** Standard ISO-DIN A or B fixing **Base:** Rigid **Tightness norm:** IP 55 **E-approval:** Yes
170540 Rotating Beacon *Lens: HC-CARGO 170543.* 	**Bulb incl.:** Yes **Voltage:** 12	**OD:** 152 mm **Height:** 240 mm **Width:** 150 mm	**Bulb type:** H1 **Lens type:** Polycarbonate **Colour:** Orange **Model:** Boule **Mount.:** Standard ISO A - Rod **Base:** Flexible **Hi impact:** Yes **Waterproof:** Yes **Tightness norm:** IP 66 **E-approval:** Yes
170541 Rotating Beacon *Lens: HC-CARGO 170543.* 	**Bulb incl.:** Yes **Voltage:** 24	**OD:** 152 mm **Height:** 240 mm **Width:** 152 mm	**Bulb type:** H1 **Lens type:** Polycarbonate **Colour:** Orange **Model:** Boule **Mount.:** Rod (ISO-DIN A) **Base:** Flexible **Hi impact:** Yes **Tightness norm:** IP 66 **E-approval:** Yes
170551 Rotating Beacon 	**Bulb incl.:** Yes **Voltage:** 12	**OD:** 135 mm **Height:** 265 mm **Width:** 135 mm	**Bulb type:** H1 **Lens type:** Polycarbonate **Colour:** Orange **Model:** TYPE GF 8.8 FLX **Mount.:** Standard ISO A - Rod **Base:** Flexible **Hi impact:** Yes **Tightness norm:** IP 54 **E-approval:** Yes
170598 Rotating Beacon *Lens: HC-CARGO 170691.* 	**Bulb incl.:** No **Voltage:** 12/24	**OD:** 127 mm **Height:** 200 mm	**Bulb type:** H1 **Lens type:** PMMA/ACRYL **Colour:** Orange **Model:** AEB TYPE 525 **Mount.:** Single bolt **E-approval:** Yes

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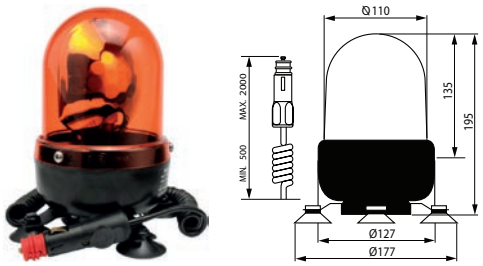
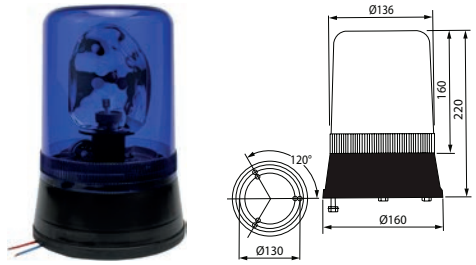
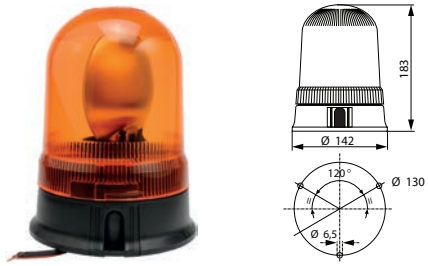
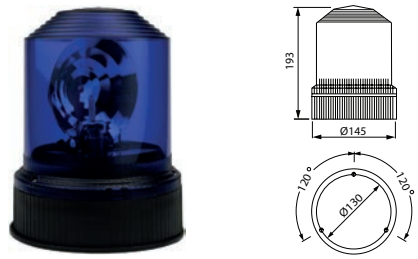
	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
170599 Rotating Beacon *Lens: HC-CARGO 170691.* 	**Bulb incl.:** No **Voltage:** 12/24	**OD:** 127 mm **Cable length:** 2000 mm **Height:** 195 mm	**Bulb type:** H1 **Lens type:** PMMA/ACRYL **Colour:** Orange **Model:** AEB TYPE 525 M **Mount.:** 3 magnets **Base:** Magnetic **Coiled cable incl.:** Yes **E-approval:** Yes
170601 Rotating Beacon 	**Bulb incl.:** No **Voltage:** 12/24	**OD:** 127 mm **Height:** 315 mm	**Bulb type:** H1 **Lens type:** Polycarbonate **Colour:** Orange **Model:** AEB TYPE 530 B **Mount.:** Standard ISO A - Rod **Base:** Flexible **Hi impact:** Yes **E-approval:** Yes
170798 Rotating Beacon *Lens: HC-CARGO 170366. Motor: HC-CARGO 170505, 170506.* 	**Bulb incl.:** No **Voltage:** 12/24	**OD:** 160 mm **Height:** 220 mm	**Bulb type:** H1 **Lens type:** PMMA/ACRYL **Colour:** Blue **Model:** AEB TYPE 595 **Mount.:** Standard ISO B2 (and B1) - Base **E-approval:** Yes
170830 Rotating Beacon *Lens: HC-CARGO 170945.* 	**Bulb incl.:** No **Voltage:** 12/24	**OD:** 142 mm **Height:** 183 mm **Width:** 142 mm	**Bulb type:** H1 **Lens type:** PMMA/ACRYL **Colour:** Orange **Mount.:** Standard ISO B2 (and B1) - Base **E-approval:** Yes
171017 Rotating Beacon 	**Bulb incl.:** No **Voltage:** 12/24	**OD:** 145 mm **Height:** 193 mm	**Bulb type:** H1 **Lens type:** PMMA/ACRYL **Colour:** Blue **Model:** TYPE FT 6 **Mount.:** Standard ISO B2 (and B1) - Base **Tightness norm:** IP 55 **E-approval:** Yes
171019 Rotating Beacon *Lens: HC-CARGO 170945.* 	**Bulb incl.:** No **Voltage:** 12/24	**OD:** 142 mm **Height:** 183 mm	**Bulb type:** H1 **Lens type:** PMMA/ACRYL **Colour:** Blue **Model:** Astral **Mount.:** Standard ISO B2 (and B1) - Base **E-approval:** Yes

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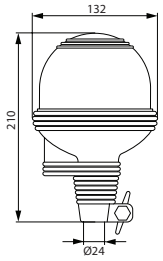
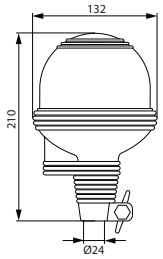
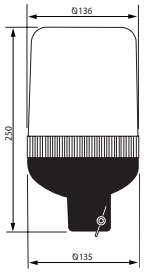
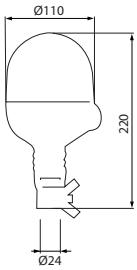
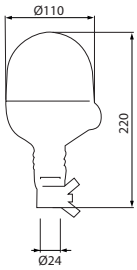
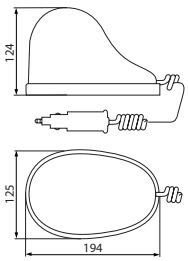
	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
171060 Rotating Beacon			
	**Bulb incl.:** Yes **Voltage:** 12	**OD:** 132 mm **Height:** 210 mm	**Bulb type:** H1 **Lens type:** Polycarbonate **Colour:** Orange **Model:** Megalux **Mount.:** Standard ISO A - Rod **Base:** Flexible **Hi impact:** Yes **E-approval:** Yes
171061 Rotating Beacon			
	**Bulb incl.:** Yes **Voltage:** 24	**OD:** 132 mm **Height:** 210 mm	**Bulb type:** H1 **Lens type:** Polycarbonate **Colour:** Orange **Model:** Megalux **Mount.:** Standard ISO A - Rod **Base:** Flexible **Hi impact:** Yes **E-approval:** Yes
171399 Rotating Beacon			
Lens: HC-CARGO 170308. Motor: HC-CARGO 170505, 170506.			
	**Bulb incl.:** No **Voltage:** 12/24	**OD:** 136 mm **Height:** 250 mm	**Bulb type:** H1 **Lens type:** PMMA/ACRYL **Colour:** Orange **Model:** 590 DVO **Mount.:** Standard ISO A - Rod **E-approval:** Yes
171423 Rotating Beacon			
	**Bulb incl.:** Yes **Voltage:** 12	**OD:** 110 mm **Height:** 220 mm **Width:** 110 mm	**Bulb type:** H1 **Lens type:** Polycarbonate **Colour:** Orange **Model:** Microboule **Mount.:** Standard ISO A - Rod **Base:** Flexible **Hi impact:** Yes **Tightness norm:** IP 55 **Approvals:** CE **E-approval:** Yes
171424 Rotating Beacon			
	**Bulb incl.:** Yes **Voltage:** 24	**OD:** 110 mm **Height:** 220 mm **Width:** 110 mm	**Bulb type:** H1 **Lens type:** Polycarbonate **Colour:** Orange **Model:** Microboule **Mount.:** Rod (ISO-DIN A) **Base:** Flexible **Hi impact:** Yes **Tightness norm:** IP 55 **Approvals:** CE **E-approval:** Yes
171494 Rotating Beacon			
Tested for 200 kmh. Lens: HC-CARGO 171512. 2 mtr. coiled cable. Rubber base.			
	**Bulb incl.:** Yes **Voltage:** 12	**OD:** 120x186 mm **Length:** 194 mm **Height:** 124 mm **Width:** 125 mm	**Bulb type:** H1 **Lens type:** Polycarbonate **Colour:** Orange **Model:** GDO **Mount.:** 1 magnet **Base:** Magnetic **Hi impact:** Yes **Coiled cable incl.:** Yes **Tightness norm:** IP 55 **E-approval:** Yes

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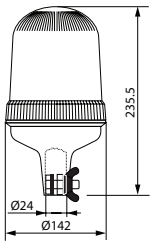
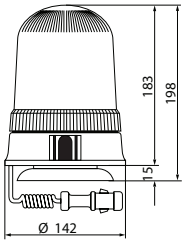
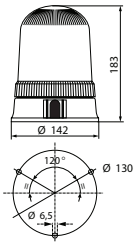
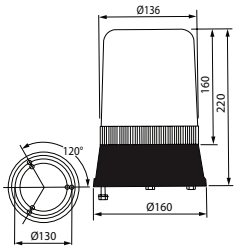
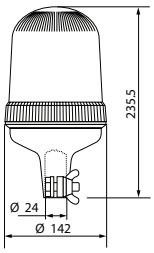
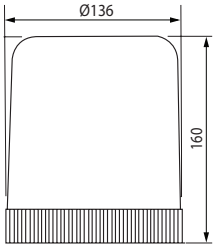
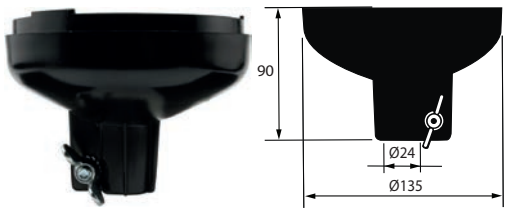
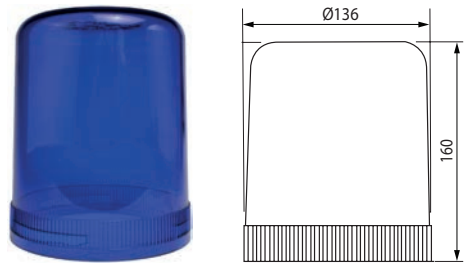
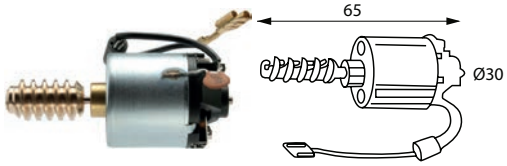
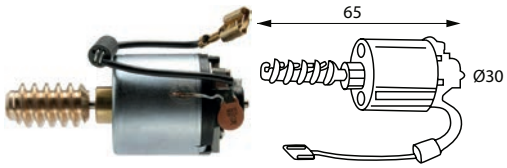
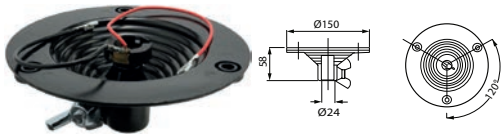
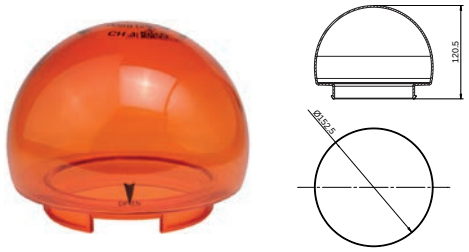
	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
171577 Rotating Beacon *Lens: HC-CARGO 170945.* 	**Bulb incl.:** Yes **Voltage:** 12	**OD:** 142 mm **Height:** 235.5 mm **Width:** 142 mm	**Bulb type:** H1 **Colour:** Orange **Model:** Astral **Mount.:** Standard ISO A - Rod **Base:** Rigid **E-approval:** Yes
171587 Rotating Beacon *Lens: HC-CARGO 170945.* 	**Bulb incl.:** No **Voltage:** 12/24	**OD:** 142 mm **Height:** 198 mm **Width:** 142 mm	**Bulb type:** H1 **Colour:** Orange **Model:** Astral **Mount.:** 1 magnet **Coiled cable incl.:** Yes **E-approval:** Yes
171588 Rotating Beacon *Lens: HC-CARGO 170945.* 	**Bulb incl.:** No **Voltage:** 12/24	**OD:** 142 mm **Height:** 183 mm **Width:** 142 mm	**Bulb type:** H1 **Colour:** Orange **Model:** Astral **Mount.:** Single bolt **E-approval:** Yes
171705 Rotating Beacon *Lens: HC-CARGO 170308. Motor: HC-CARGO 170505, 170506.* 	**Bulb incl.:** No **Voltage:** 12/24	**OD:** 160 mm **Height:** 220 mm	**Bulb type:** H1 **Lens type:** PMMA/ACRYL **Colour:** Orange **Model:** AEB TYPE 595 **Mount.:** Plan (ISO-DIN B) **E-approval:** Yes
171793 Rotating Beacon *Lens: HC-CARGO 170945.* 	**Bulb incl.:** No **Voltage:** 12/24	**OD:** 142 mm **Height:** 235.5 mm	**Bulb type:** H1 **Lens type:** Polycarbonate **Colour:** Orange **Model:** Astral flex **Mount.:** Standard ISO A - Rod **Base:** Flexible **Hi impact:** Yes **E-approval:** Yes

SPARE PARTS

170308 Dome	**Servicing:** HC-CARGO 170295, 170296, 170435, 170436, 170437, 170438, 170798, 171399		
		**Height:** 160 mm **Width:** 136 mm	**Lens type:** PMMA/ACRYL **Colour:** Orange **Model:** TYPE 590/595/595M

O.E.M. names and numbers are used for reference purposes only.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
170309 Base Plate	**Servicing:** HC-CARGO 170295, 170296, 170435, 170436, 170437, 170438, 170798, 171399		
		**Height:** 90 mm **Width:** 135 mm	**Model:** TYPE 590/595/595M
170366 Dome	**Servicing:** HC-CARGO 170295, 170296, 170435, 170436, 170437, 170438, 170798, 171399		
		**Height:** 160 mm **Width:** 136 mm	**Lens type:** PMMA/ACRYL **Colour:** Blue **Model:** TYPE 590/595/595M
170505 Beacon Motor	**Servicing:** HC-CARGO 170295, 170296, 170435, 170436, 170437, 170438, 170798, 171399		
	**Voltage:** 12	**Height:** 65 mm **Width:** 30 mm	**Model:** TYPE 590/595/595M
170506 Beacon Motor	**Servicing:** HC-CARGO 170295, 170296, 170435, 170436, 170437, 170438, 170798, 171399		
	**Voltage:** 24	**Height:** 65 mm **Width:** 30 mm	**Model:** TYPE 590/595/595M
170528 Base Plate	**Servicing:** HC-CARGO 170491, 170490, 170650, 170651, 171498, 170680		
		**Height:** 58 mm **Width:** 150 mm	**Model:** TYPE FT 6 **Mount.:** Standard ISO A - Rod
170543 Dome	**Servicing:** HC-CARGO 170540, 170541		
		**Height:** 120.5 mm **Width:** 152.5 mm	**Lens type:** Polycarbonate **Colour:** Orange **Model:** Boule **Hi impact:** Yes

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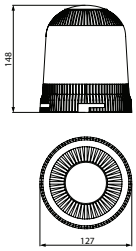
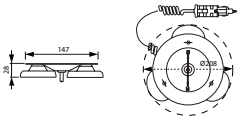
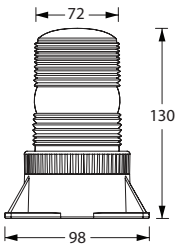
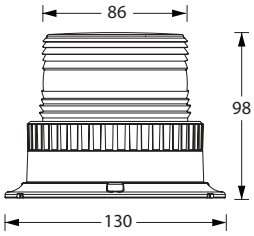
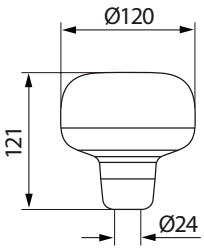
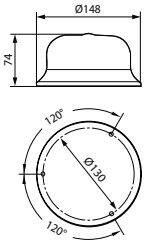
	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
170945 Dome	**Servicing:** HC-CARGO 170830, 171019, 171577, 171587, 171588, 171793, 172027, 172028, 172029, 172030, 172030UK		
		**Height:** 148 mm **Width:** 127 mm	**Lens type:** PMMA/ACRYL **Colour:** Orange **Model:** Astral **E-approval:** Yes

ACCESSORIES

170525 Beacon Socket	**Servicing:** HC-CARGO 170490, 171017		
		**Cable length:** 2000 mm **Height:** 28 mm **Width:** 147 mm	**Model:** TYPE FT 6 **Mount.:** 3 magnets **Base:** Magnetic **Coiled cable incl.:** Yes **Tightness norm:** IP 55

ROTATING BEACONS LED

171673 LED Beacon			
	**Voltage:** 11-110	**OD:** 98 mm **Length:** 98 mm **Height:** 130 mm **Width:** 72 mm	**Bulb type:** LED **Lens type:** Polycarbonate **Flash rate:** 45 min. **Colour:** Orange **Model:** LED **Mount.:** Plan **Hi impact:** Yes **Coiled cable incl.:** No **Waterproof:** Yes **Tightness norm:** IP 66 **Approvals:** SAE/CE **E-approval:** No
171674 LED Beacon			
	**Voltage:** 11-110	**OD:** 130 mm **Length:** 130 mm **Height:** 98 mm **Width:** 86 mm	**Bulb type:** LED **Lens type:** Polycarbonate **Flash rate:** 45 min. **Colour:** Orange **Model:** LED **Mount.:** Plan **Hi impact:** Yes **Coiled cable incl.:** No **Waterproof:** Yes **Tightness norm:** IP 66 **Approvals:** SAE/CE **E-approval:** No
171763 LED Beacon			
	**Voltage:** 12/24 **Amp:** 1.7/0.8	**OD:** 120 mm **Height:** 121 mm **Width:** 120 mm	**Bulb type:** LED **Lens type:** Polycarbonate **Flash rate:** 130 min. **Colour:** Orange **Material:** Aluminium **Mount.:** Standard ISO A - Rod **Hi impact:** Yes **Waterproof:** Yes **Tightness norm:** IP 66 **E-approval:** Yes
171764 LED Beacon			
	**Voltage:** 12/24	**OD:** 148 mm **Height:** 74 mm **Width:** 148 mm	**Bulb type:** LED **Lens type:** Polycarbonate **Flash rate:** 130 min. **Colour:** Orange **Material:** Aluminium **Mount.:** Standard ISO B2 (and B1) - Base **Hi impact:** Yes **Waterproof:** Yes **Tightness norm:** IP 66 **Approvals:** ECE-R65 **E-approval:** Yes

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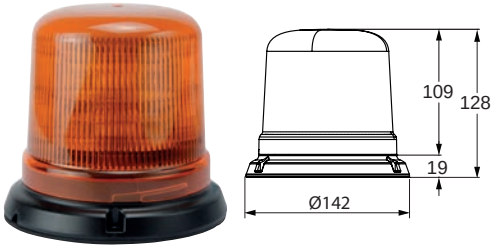
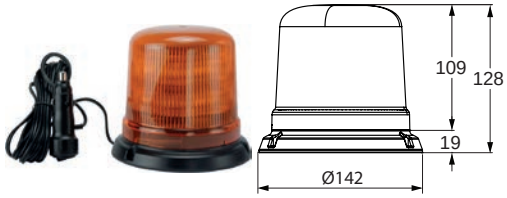
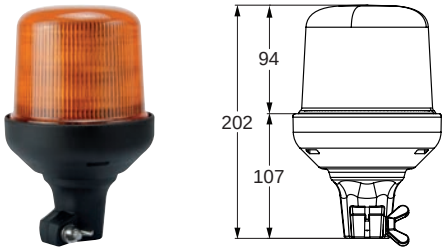
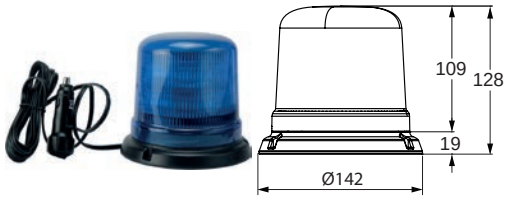
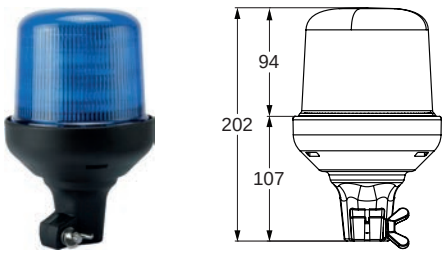
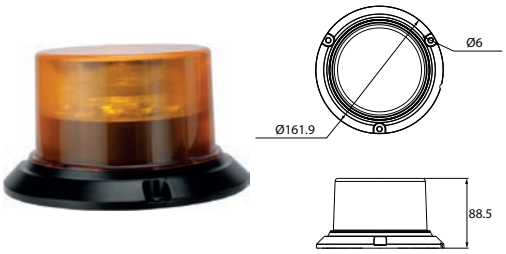
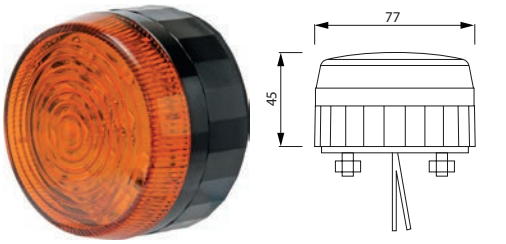
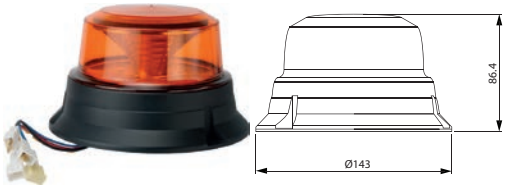
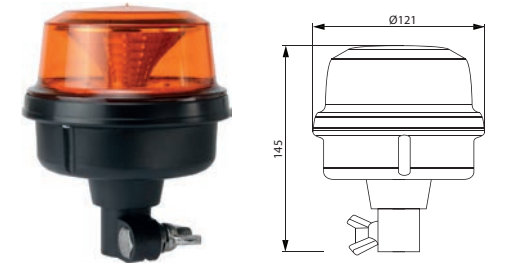
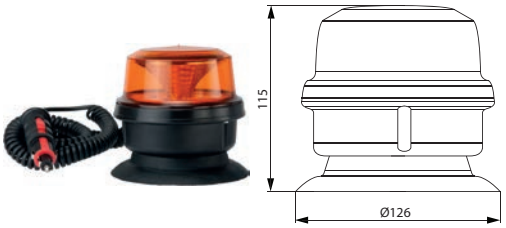
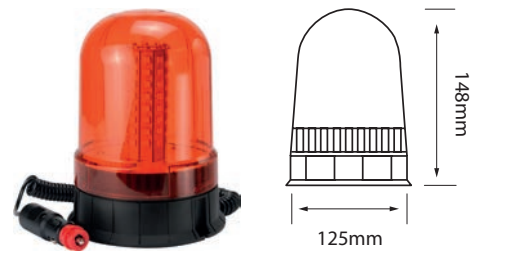
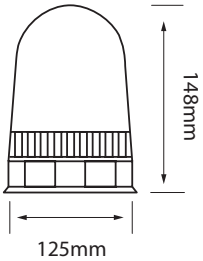
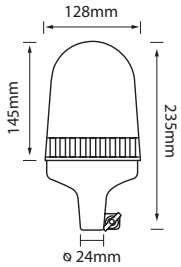
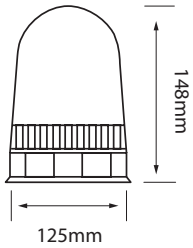
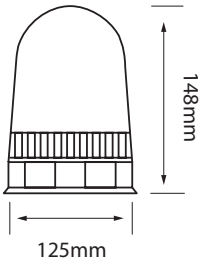
	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
171918 LED Beacon *Lens: HC-CARGO 171941.* 	**Voltage:** 12-24 **Amp:** 1.2/2.9 **Watt:** 37	**OD:** 142 mm **Height:** 128 mm **Width:** 130 mm	**Bulb type:** LED **Lens type:** Polycarbonate **Colour:** Orange **Material:** Aluminium **Model:** LED **Mount.:** Plan **Flash patterns:** 11 **Hi impact:** Yes **Coiled cable incl.:** No **Waterproof:** Yes **Tightness norm:** IP 65 **Approvals:** SAE/ECE-R65 **E-approval:** Yes
171919 LED Beacon *Lens: HC-CARGO 171941.* 	**Voltage:** 12-24 **Amp:** 1.2/2.9 **Watt:** 37	**OD:** 142 mm **Cable length:** 3000 mm **Height:** 128 mm **Width:** 130 mm	**Bulb type:** LED **Lens type:** Polycarbonate **Colour:** Orange **Material:** Aluminium **Model:** LED **Mount.:** Lighter Socket **Base:** Magnetic **Flash patterns:** 11 **Hi impact:** Yes **Waterproof:** Yes **Tightness norm:** IP 65 **Approvals:** SAE/ECE-R65 **E-approval:** Yes
171920 LED Beacon *Lens: HC-CARGO 171941.* 	**Voltage:** 12-24 **Amp:** 1.2/2.9 **Watt:** 37	**OD:** 130 mm **Height:** 202 mm **Width:** 130 mm	**Bulb type:** LED **Lens type:** Polycarbonate **Colour:** Orange **Material:** Aluminium **Model:** LED **Mount.:** Standard ISO A - Rod **Flash patterns:** 11 **Hi impact:** Yes **Coiled cable incl.:** No **Waterproof:** Yes **Tightness norm:** IP 65 **Approvals:** SAE/ECE-R65 **E-approval:** Yes
171922 LED Beacon *Lens: HC-CARGO 171942.* 	**Voltage:** 12-24 **Amp:** 1.2/2.9 **Watt:** 37	**OD:** 142 mm **Height:** 128 mm **Width:** 130 mm	**Bulb type:** LED **Lens type:** Polycarbonate **Colour:** Blue **Material:** Aluminium **Model:** LED **Mount.:** 3 magnets **Flash patterns:** 11 **Hi impact:** Yes **Coiled cable incl.:** Yes **Waterproof:** Yes **Tightness norm:** IP 65 **Approvals:** SAE/ECE-R65 **E-approval:** Yes
171923 LED Beacon *Lens: HC-CARGO 171942.* 	**Voltage:** 12-24 **Amp:** 1.2/2.9 **Watt:** 37	**OD:** 130 mm **Height:** 202 mm **Width:** 130 mm	**Bulb type:** LED **Lens type:** Polycarbonate **Colour:** Blue **Material:** Aluminium **Model:** LED **Mount.:** Standard ISO A - Rod **Flash patterns:** 11 **Hi impact:** Yes **Waterproof:** Yes **Tightness norm:** IP 65 **Approvals:** SAE/ECE-R65 **E-approval:** Yes

O.E.M. names and numbers are used for reference purposes only.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
171931 LED Beacon			
	**Voltage:** 12-36 **Watt:** 35/44	**OD:** 161.9 mm **Height:** 88.5 mm **Width:** 161.9 mm	**Bulb type:** LED **Colour:** Orange **Mount.:** Plan **Waterproof:** Yes **Tightness norm:** IP 67 **Approvals:** SAE/ECE-R65 **E-approval:** Yes
171957 LED Beacon			
	**Voltage:** 10-100 **Amp:** 0.1	**OD:** 77 mm **Height:** 45 mm **Dist. mount. holes:** 45 mm **Width:** 77 mm	**Bulb type:** LED **Lens type:** Polycarbonate **Colour:** Orange **Material:** Polycarbonate **Mount.:** Plan **Flash patterns:** 4 **Hi impact:** Yes **Tightness norm:** IP 67 **Approvals:** CE
171971 LED Beacon			
	**Voltage:** 12-24 **Watt:** 15	**OD:** 143 mm **Height:** 86.4 mm **Width:** 143 mm	**Bulb type:** 8 LED **Colour:** Orange **Material:** Polycarbonate **Model:** LED **Mount.:** Plan **Tightness norm:** IP 66 **Approvals:** CE/EMC/ECE-R65 **E-approval:** Yes
171972 LED Beacon			
	**Voltage:** 12-24 **Watt:** 15	**OD:** 121 mm **Height:** 143 mm	**Bulb type:** 6 LED **Colour:** Orange **Material:** Polycarbonate **Model:** LED **Mount.:** Rod (ISO-DIN A) **Hi impact:** Yes **Tightness norm:** IP 66 **Approvals:** CE/EMC/ECE-R65 **E-approval:** Yes
171973 LED Beacon			
	**Voltage:** 12-24 **Watt:** 15	**OD:** 126 mm **Cable length:** 2000 mm **Height:** 115 mm **Width:** 126 mm	**Bulb type:** 8 LED **Colour:** Orange **Material:** Polycarbonate **Model:** LED **Mount.:** Lighter Socket **Base:** Magnetic/vacuum **Hi impact:** Yes **Coiled cable incl.:** Yes **Tightness norm:** IP 66 **Approvals:** CE/EMC/ECE-R65 **E-approval:** Yes
172027 LED Beacon			
Lens: HC-CARGO 170945.			
	**Voltage:** 10-30	**Length:** 1500 mm **Height:** 148 mm **Dist. mount. holes:** 107 mm **Width:** 125 mm	**Bulb type:** LED **Lens type:** Polycarbonate **Flash rate:** 3 min. **Colour:** Orange **Material:** Plastic/nylon/rubber **Model:** 80 LEDs **Mount.:** Lighter Socket **Base:** Magnetic/vacuum **Coiled cable incl.:** Yes **Tightness norm:** IP 65 **Approvals:** ECE-R65 **E-approval:** Yes

O.E.M. names and numbers are used for reference purposes only.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
172028 LED Beacon *Lens: HC-CARGO 170945.* 	**Voltage:** 10-30	**Height:** 148 mm **Dist. mount. holes:** 107 mm **Width:** 125 mm	**Bulb type:** LED **Lens type:** Polycarbonate **Colour:** Orange **Material:** Plastic/nylon/rubber **Model:** 80 LEDs **Mount.:** Plan **Flash patterns:** 3 **Tightness norm:** IP 65 **Approvals:** ECE-R65 **E-approval:** Yes
172029 LED Beacon *Lens: HC-CARGO 170945.* 	**Voltage:** 10-30	**Height:** 235 mm **Width:** 128 mm	**Bulb type:** LED **Lens type:** Polycarbonate **Colour:** Orange **Material:** Plastic/nylon/rubber **Model:** 80 LEDs **Mount.:** Standard ISO A - Rod **Base:** Flexible **Flash patterns:** 3 **Tightness norm:** IP 65 **Approvals:** ECE-R65 **E-approval:** Yes
172030 LED Beacon *Lens: HC-CARGO 170945. w/ battery.* 	**Voltage:** 12 **Amp:** 1.5	**Height:** 148 mm **Dist. mount. holes:** 107 mm **Width:** 125 mm	**Bulb type:** LED **Lens type:** Polycarbonate **Colour:** Orange **Material:** Plastic/nylon/rubber **Model:** 80 LEDs **Mount.:** Plan **Base:** Magnetic/vacuum **Flash patterns:** 3 **Tightness norm:** IP 65 **Approvals:** ECE-R65 **E-approval:** Yes
172075 LED Beacon UK Version	**Servicing:** UK		
Lens: HC-CARGO 170945. With battery. NEW PRODUCT www.hc-cargo.com 	**Voltage:** 10-30	**Height:** 148 mm **Width:** 125 mm	**Bulb type:** LED **Lens type:** Polycarbonate **Colour:** Orange **Material:** Plastic/nylon/rubber **Model:** 80 LEDs **Mount.:** Plan **Base:** Magnetic/vacuum **Flash patterns:** 3 **Tightness norm:** IP 65 **E-approval:** Yes

SPARE PARTS

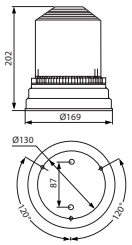
171941 Lens	**Servicing:** HC-CARGO 171918, 171919, 171920		
			Lens type: Polycarbonate **Colour:** Orange
171942 Lens	**Servicing:** HC-CARGO 171921, 171922, 171923		
			Lens type: Polycarbonate **Colour:** Blue

O.E.M. names and numbers are used for reference purposes only.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

ROTATING BEACONS XENON

170650 Xenon Beacon

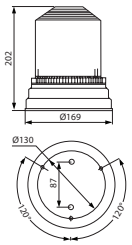


Bulb incl.: Yes
Voltage: 12
Amp: 1.5

OD: 169 mm
Height: 202 mm

Bulb type: LX10J
Lens type: Polycarbonate
Colour: Orange
Model: XENON FT6 AG ELECTRONIC
Mount.: Standard ISO B2 (and B1) - Base
Hi impact: Yes
Tightness norm: IP 55
E-approval: Yes

170651 Xenon Beacon

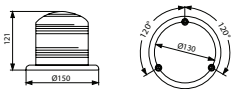


Bulb incl.: Yes
Voltage: 24
Amp: 1.5

OD: 169 mm
Height: 202 mm

Bulb type: LX10J
Lens type: PMMA/ACRYL
Colour: Orange
Model: XENON FT6 AG ELECTRONIC
Mount.: Standard ISO B2 (and B1) - Base
Tightness norm: IP 55
E-approval: Yes

170680 Xenon Beacon



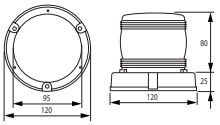
Bulb incl.: Yes
Voltage: 10-100
Amp: 200/50 mAmpere

OD: 150 mm
Height: 121 mm
Width: 150 mm

Bulb type: LX1J
Lens type: Polycarbonate
Colour: Orange
Material: Polycarbonate
Model: FLASH ELEV
Mount.: Standard ISO B2 (and B1) - Base
Base: Rigid
Hi impact: Yes
Tightness norm: IP 54
Approvals: CE/EMC

171005 Xenon Beacon

w/ Xenon tube. Lens: HC-CARGO 171590.



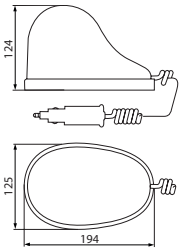
Bulb incl.: Yes
Voltage: 10-100

OD: 120 mm
Height: 105 mm

Bulb type: LX10J
Lens type: PMMA/ACRYL
Colour: Orange
Model: TYPE TRASPOT XENON
Mount.: Standard ISO B2 (and B1) - Base
Approvals: CE/EMC

171495 Xenon Beacon

Tested for 200 kmh. Lens: HC-CARGO 171512.



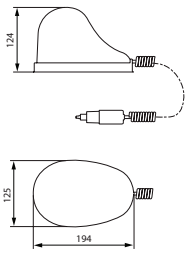
Bulb incl.: Yes
Voltage: 12
Amp: 1.5

OD: 120x186 mm
Length: 194 mm
Height: 124 mm
Width: 125 mm

Bulb type: LX8J
Lens type: Polycarbonate
Colour: Orange
Material: Rubber
Model: GDO FLASH
Mount.: 1 magnet
Base: Magnetic
Hi impact: Yes
Coiled cable incl.: Yes
Tightness norm: IP 55
Approvals: CE
E-approval: Yes

171497 Xenon Beacon

Tested for 200 kmh.

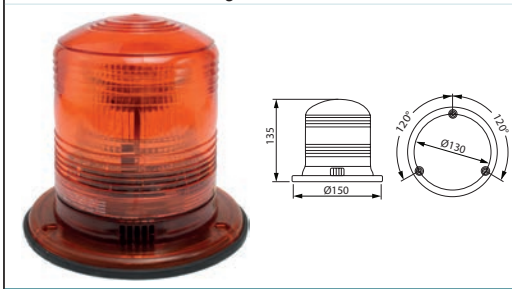
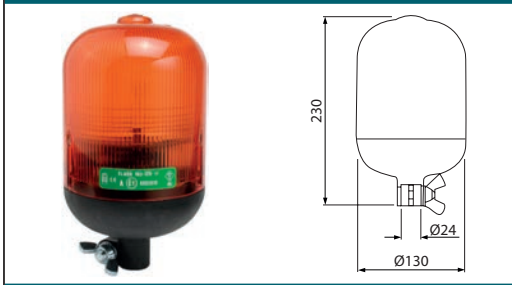
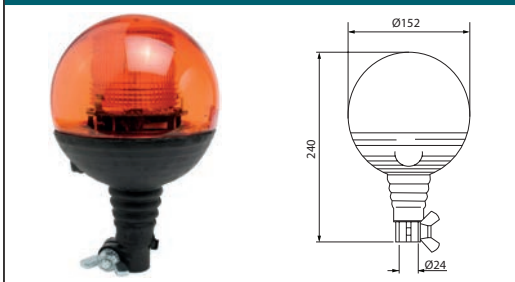
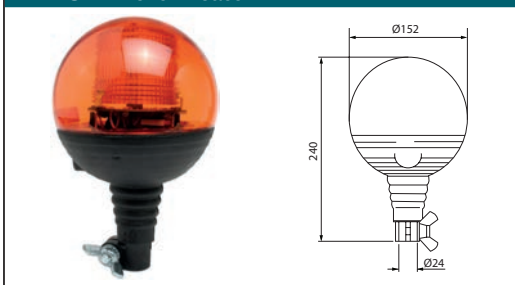
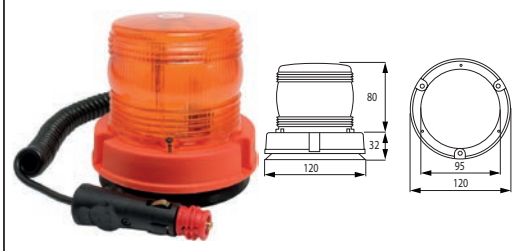
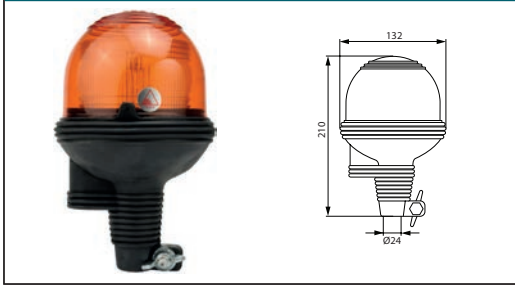


Bulb incl.: Yes
Voltage: 12
Amp: 1.5

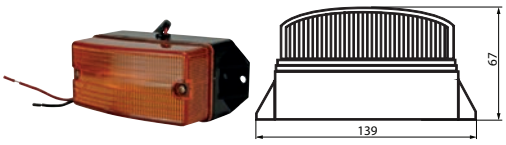
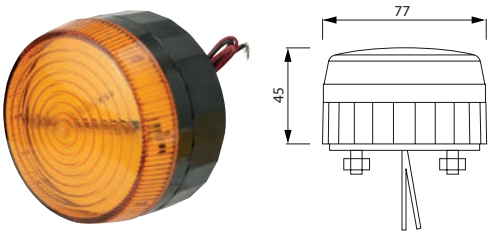
OD: 120x186 mm
Length: 194 mm
Height: 124 mm
Width: 125 mm

Bulb type: LX8J
Lens type: Polycarbonate
Colour: Blue
Material: Rubber
Model: GDO FLASH
Mount.: 1 magnet
Base: Magnetic
Hi impact: Yes
Coiled cable incl.: Yes
Tightness norm: IP 55
Approvals: CE
E-approval: Yes

O.E.M. names and numbers are used for reference purposes only.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
171498 Xenon Beacon *w/ built-in audible signal.*			
	**Bulb incl.:** Yes **Voltage:** 10-100 **Amp:** 200/50 mA	**OD:** 150 mm **Height:** 135 mm **Width:** 150 mm	**Bulb type:** LX1J **Lens type:** Polycarbonate **Colour:** Orange **Model:** FLASH ELEV SL **Mount.:** Standard ISO B2 (and B1) - Base **Hi impact:** Yes **Tightness norm:** IP 20
171505 Xenon Beacon			
	**Bulb incl.:** Yes **Voltage:** 12 **Amp:** 3	**OD:** 130 mm **Height:** 230 mm **Width:** 130 mm	**Bulb type:** LX10J **Lens type:** Polycarbonate **Colour:** Orange **Model:** XENON GF 8.8 FLASH **Mount.:** Plan (ISO-DIN B) **Base:** Rigid **Hi impact:** Yes **Tightness norm:** IP 44 **Approvals:** CE **E-approval:** Yes
171540 Xenon Beacon			
	**Bulb incl.:** Yes **Voltage:** 12 **Amp:** 1.5	**OD:** 152 mm **Height:** 240 mm **Width:** 152 mm	**Bulb type:** LX8J **Lens type:** Polycarbonate **Colour:** Orange **Model:** BOULE FLASH **Mount.:** Standard ISO A - Rod **Base:** Flexible **Hi impact:** Yes **Tightness norm:** IP 66 **E-approval:** Yes
171541 Xenon Beacon			
	**Bulb incl.:** Yes **Voltage:** 24 **Amp:** 1.5	**OD:** 152 mm **Height:** 240 mm	**Bulb type:** LX8J **Lens type:** Polycarbonate **Colour:** Orange **Model:** BOULE FLASH **Mount.:** Standard ISO A - Rod **Base:** Flexible **Hi impact:** Yes **Tightness norm:** IP 66 **E-approval:** Yes
171561 Xenon Beacon *w/ Xenon tube. Lens: HC-CARGO 171590.*			
	**Voltage:** 10-100	**OD:** 120 mm **Height:** 112 mm **Width:** 120 mm	**Lens type:** PMMA/ACRYL **Colour:** Orange **Model:** Type TRASPOT **Mount.:** Standard ISO B2 (and B1) - Base **Base:** Magnetic **Coiled cable incl.:** Yes **Approvals:** CE/EMC
171614 Xenon Beacon			
	**Bulb incl.:** Yes **Voltage:** 10-30	**OD:** 132 mm **Height:** 210 mm	**Bulb type:** LX10J **Lens type:** Polycarbonate **Colour:** Orange **Model:** Xenon **Mount.:** Standard ISO A - Rod **Hi impact:** Yes **E-approval:** Yes

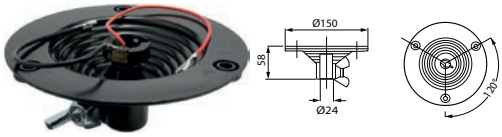
O.E.M. names and numbers are used for reference purposes only.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
171708 Xenon Beacon			
	**Bulb incl.:** Yes **Voltage:** 11-120 **Amp:** 0.2	**Length:** 139 mm **Height:** 67 mm **Dist. mount. holes:** 130 mm **Width:** 67 mm	**Bulb type:** Xenon **Lens type:** Polycarbonate **Flash rate:** 72 min. **Colour:** Orange **Mount.:** Plan **Hi impact:** Yes **Waterproof:** Yes **Approvals:** CE
171798 Xenon Beacon			
	**Voltage:** 10-100 **Watt:** 5	**OD:** 77 mm **Height:** 45 mm **Dist. mount. holes:** 45 mm	**Bulb type:** Xenon **Lens type:** Polycarbonate **Flash rate:** 75 min. **Colour:** Orange **Material:** Polycarbonate **Mount.:** Plan **Hi impact:** Yes **Tightness norm:** IP 67 **Approvals:** CE

SPARE PARTS

170654 Xenon Bulb	**Servicing:** HC-CARGO 170650, 170651, 171505, 171005		
	Voltage: 12/24 **Watt:** 16		**Bulb type:** LX10J **Model:** XENON FT6 /FLX ELECTRONIC
171376 Xenon Bulb	**Servicing:** HC-CARGO 171498, 170680		
	Voltage: 10-100 **Amp:** 200/50 mA		**Bulb type:** LX1J **Model:** FLASH ELEV
171590 Dome	**Servicing:** HC-CARGO 171005, 171561		
			Lens type: PMMA/ACRYL **Colour:** Orange **Model:** TRASPORT XENON

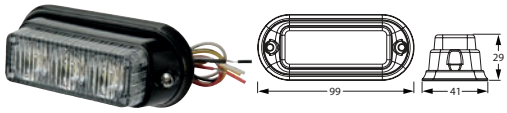
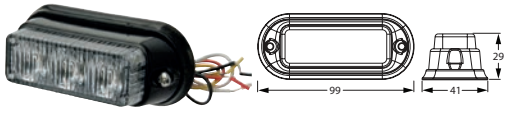
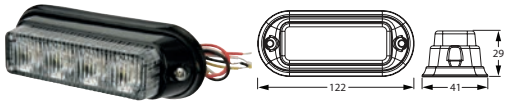
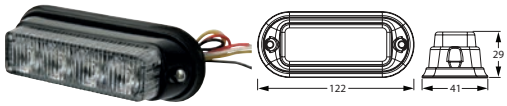
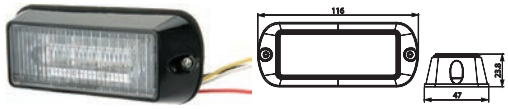
ACCESSORIES

170525 Beacon Socket	**Servicing:** HC-CARGO 170490, 171017		
		Cable length: 2000 mm **Height:** 28 mm **Width:** 147 mm	**Model:** TYPE FT 6 **Mount.:** 3 magnets **Base:** Magnetic **Coiled cable incl.:** Yes **Tightness norm:** IP 55
170528 Base Plate	**Servicing:** HC-CARGO 170491, 170490, 170650, 170651, 171498, 170680		
		**Height:** 58 mm **Width:** 150 mm	**Model:** TYPE FT 6 **Mount.:** Standard ISO A - Rod

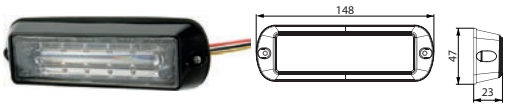
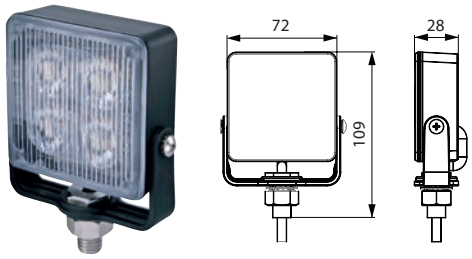
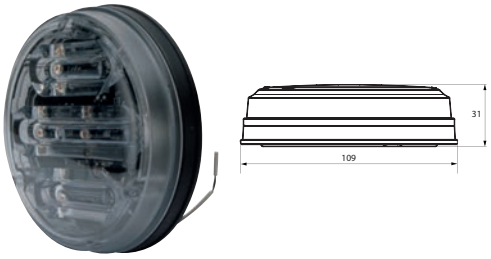
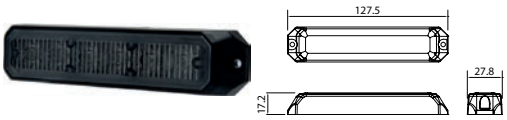
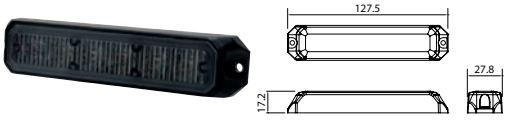
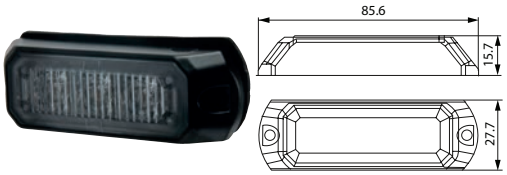
O.E.M. names and numbers are used for reference purposes only.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
170653 Beacon Socket	**Servicing:** HC-CARGO 170650, 170651, 171466		
		Cable length: 2000 mm **Height:** 30 mm **Width:** 168 mm	**Mount.:** 3 magnets **Base:** Magnetic **Coiled cable incl.:** Yes **Tightness norm:** IP 55 **E-approval:** Yes

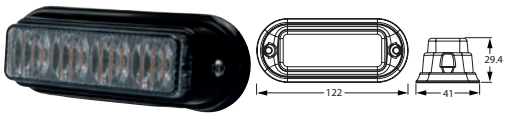
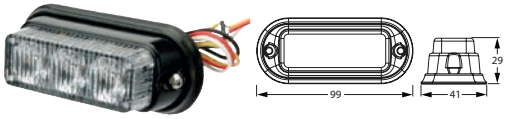
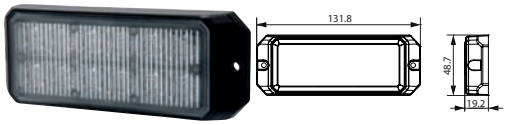
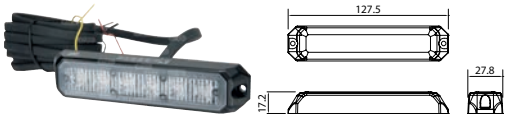
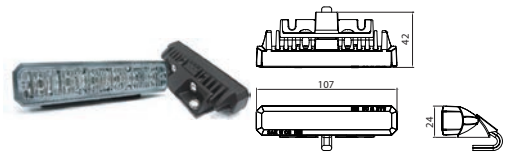
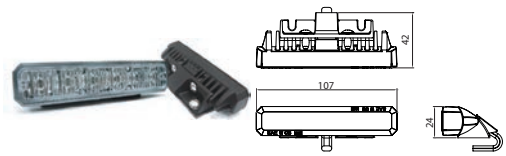
FLASH LIGHTS LED

171642 LED Flash, white			
Multi-module synchronization. Bracket: HC-CARGO 171657. Rubber adapter for flush mount: HC-CARGO 171728.			
	**Voltage:** 12/24	**Length:** 99 mm **Height:** 29 mm **Width:** 41 mm	**Bulb type:** LED **Colour:** White **Model:** 3 LED **Flash patterns:** 12 **Waterproof:** Yes **Approvals:** CE/EMC
171644 LED Flash, blue			
Multi-module synchronization. Bracket: HC-CARGO 171657. Rubber adapter for flush mount: HC-CARGO 171728.			
	**Voltage:** 12/24	**Length:** 99 mm **Height:** 29 mm **Width:** 41 mm	**Bulb type:** LED **Colour:** Blue **Model:** 3 LED **Flash patterns:** 12 **Waterproof:** Yes **Approvals:** CE/EMC
171646 LED Flash, white			
Multi-module synchronization. Bracket: HC-CARGO 171658. Rubber adapter for flush mount: HC-CARGO 171675.			
	**Voltage:** 12/24	**Length:** 122 mm **Height:** 29 mm **Width:** 41 mm	**Bulb type:** LED **Colour:** White **Model:** 4 LED **Flash patterns:** 19 **Waterproof:** Yes **Approvals:** CE/EMC
171648 LED Flash, blue			
Multi-module synchronization. Bracket: HC-CARGO 171658. Rubber adapter for flush mount: HC-CARGO 171675.			
	**Voltage:** 12/24	**Length:** 122 mm **Height:** 29 mm **Width:** 41 mm	**Bulb type:** LED **Colour:** Blue **Model:** 4 LED **Flash patterns:** 19 **Waterproof:** Yes **Approvals:** CE/EMC
171661 LED Flash, amber			
Multi-module synchronization. Bracket: HC-CARGO 171663.			
	**Voltage:** 12/24	**Length:** 116 mm **Height:** 23.8 mm **Width:** 47 mm	**Bulb type:** LED **Lens type:** Frosted **Colour:** Orange **Model:** 4 LED **Flash patterns:** 12 **Waterproof:** Yes **Approvals:** SAE/CE

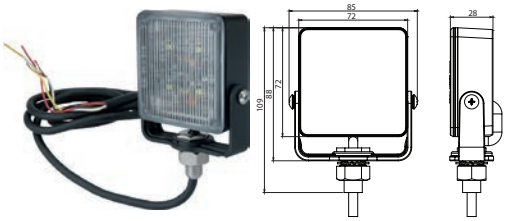
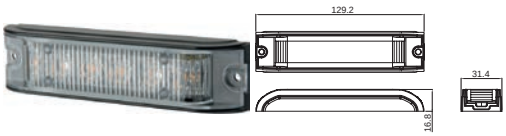
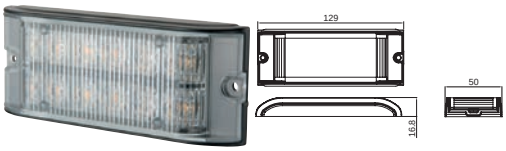
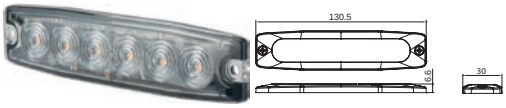
O.E.M. names and numbers are used for reference purposes only.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
171662 LED Flash, amber *Multi-module synchronization. Bracket: HC-CARGO 171664.* 	**Voltage:** 12/24	**Length:** 148 mm **Height:** 23 mm **Width:** 47 mm	**Bulb type:** LED **Lens type:** Transparent **Colour:** Orange **Model:** 6 LED **Flash patterns:** 19 **Waterproof:** Yes **Approvals:** SAE/CE
171746 LED Flash, amber 	**Voltage:** 12/24	**Length:** 109 mm **Height:** 28 mm **Width:** 72 mm	**Bulb type:** LED **Lens type:** Transparent **Colour:** Orange **Material:** Cast aluminum **Hi impact:** Yes **Coiled cable incl.:** No **Waterproof:** Yes **Approvals:** CE
171765 LED Flash, amber *Rubber adapter for flush mount: HC-CARGO 171766.* 	**Voltage:** 12/24	**OD:** 109 mm **Height:** 31 mm **Width:** 109 mm	**Bulb type:** 10 LED **Lens type:** Polycarbonate **Colour:** Orange **Mount.:** Plan **Hi impact:** Yes **Waterproof:** Yes
171813 LED Flash, blue *Fits w/ rubber adapter for flush mount: HC-CARGO 171817.* 	**Voltage:** 12/24	**Length:** 127.5 mm **Height:** 17.2 mm **Width:** 27.8 mm	**Bulb type:** LED **Flash rate:** 5 min. **Colour:** Blue **Model:** 6 LED **Waterproof:** Yes **Approvals:** SAE/ECE-R65 **E-approval:** Yes
171814 LED Flash, amber *Fits w/ rubber adapter for flush mount: HC-CARGO 171817.* 	**Voltage:** 12/24	**Length:** 127.5 mm **Height:** 17.2 mm **Width:** 27.8 mm	**Bulb type:** LED **Colour:** Yellow **Model:** 6 LED **Flash patterns:** 5 **Waterproof:** Yes **Approvals:** SAE/ECE-R65 **E-approval:** Yes
171815 LED Flash, yellow *For HC-CARGO 171816.* 	**Voltage:** 12/24	**Length:** 85.6 mm **Height:** 15.7 mm **Width:** 27.7 mm	**Bulb type:** LED **Colour:** Orange **Model:** 3 LED **Flash patterns:** 12 **Waterproof:** Yes **Approvals:** SAE/ECE-R65 **E-approval:** Yes

O.E.M. names and numbers are used for reference purposes only.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
171904 LED Flash, amber			
Multi-module synchronization. Bracket: HC-CARGO 171658. Rubber adapter for flush mount: HC-CARGO 171675.			
	**Voltage:** 12-24	**Length:** 122 mm **Height:** 29.4 mm **Width:** 41 mm	**Bulb type:** LED **Colour:** Orange **Model:** 4 LED **Flash patterns:** 19 **Waterproof:** Yes **Approvals:** SAE/ECE-R65 **E-approval:** Yes
171905 LED Flash, amber			
Multi-module synchronization. Bracket: HC-CARGO 171657. Rubber adapter for flush mount: HC-CARGO 171728.			
	**Voltage:** 12-24	**Length:** 99 mm **Height:** 29 mm **Width:** 41 mm	**Bulb type:** LED **Colour:** Orange **Model:** 3 LED **Flash patterns:** 12 **Waterproof:** Yes **Approvals:** SAE/ECE-R65 **E-approval:** Yes
171906 LED Flash, amber			
Multi-module synchronization. Bracket: HC-CARGO 171908. Rubber adapter for flush mount: HC-CARGO 171907.			
	**Voltage:** 12-24	**Length:** 131.8 mm **Height:** 48.7 mm **Width:** 19.2 mm	**Bulb type:** LED **Colour:** Orange **Model:** 12 LED **Flash patterns:** 25 **Waterproof:** Yes **Approvals:** SAE/ECE-R65 **E-approval:** Yes
171926 LED Flash, amber			
Fits w/ rubber adapter for flush mount: HC-CARGO 171817.			
	**Voltage:** 12-24	**Length:** 127.5 mm **Cable length:** 2000 mm **Height:** 17.2 mm **Width:** 27.8 mm	**Bulb type:** LED **Colour:** Yellow **Model:** 6 LED **Mount.:** 3 m ADR Cable **Waterproof:** Yes **Approvals:** SAE/ECE-R65 **E-approval:** Yes
171933 LED Flash, amber			
	**Voltage:** 11-30	**Length:** 107 mm **Height:** 24 mm **Width:** 42 mm	**Bulb type:** LED **Colour:** Yellow **Model:** 6 LED **Mount.:** Plan **Flash patterns:** 5 **Waterproof:** Yes **Approvals:** SAE/ECE-R65 **E-approval:** Yes
171934 LED Flash, blue			
	**Voltage:** 11-30	**Length:** 107 mm **Height:** 24 mm **Width:** 42 mm	**Bulb type:** LED **Colour:** Blue **Model:** 6 LED **Mount.:** Plan **Flash patterns:** 5 **Waterproof:** Yes **Approvals:** SAE/ECE-R65 **E-approval:** Yes

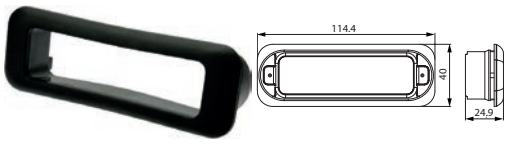
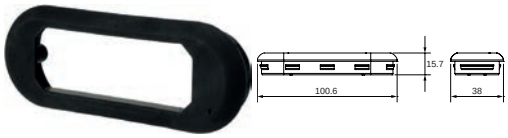
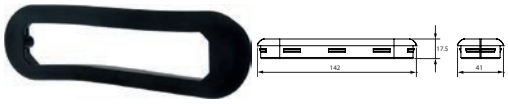
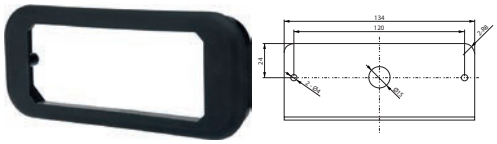
O.E.M. names and numbers are used for reference purposes only.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
171943 LED Flash, white			
	**Voltage:** 12/24 **Amp:** 0.27-0.13 **Watt:** 3.5	**Length:** 109 mm **Cable length:** 1200 mm **Height:** 28 mm **Width:** 72 mm	**Bulb type:** LED **Lens type:** Transparent **Colour:** White **Material:** Aluminium **Hi impact:** Yes **Coiled cable incl.:** No **Waterproof:** Yes **Approvals:** SAE/CE
172011 LED Flash, amber			
	**Voltage:** 12/24 **Watt:** 12	**Length:** 129.2 mm **Height:** 31.4 mm **Width:** 16.8 mm	**Colour:** Orange **Model:** 6 LED **Flash patterns:** 15 **Approvals:** ECE-R65 **E-approval:** Yes
172012 LED Flash, amber			
	**Voltage:** 12/24 **Watt:** 21	**Length:** 129 mm **Height:** 16.8 mm **Width:** 50 mm	**Bulb type:** LED **Colour:** Orange **Model:** 12 LED **Flash patterns:** 15 **Approvals:** ECE-R65 **E-approval:** Yes
172013 LED Flash, amber			
	**Voltage:** 12/24 **Watt:** 6	**Length:** 130.5 mm **Height:** 6.6 mm **Width:** 30 mm	**Colour:** Orange **Model:** 6 LED **Flash patterns:** 23 **Approvals:** SAE/CE

ACCESSORIES

171657 Mounting Bracket *Angled. For single head.*	**Servicing:** HC-CARGO 171641, 171642, 171644		
		Length: 100 mm **Thickness:** 24 mm **Width:** 55 mm	
171658 Mounting Bracket *Angled. For single head.*	**Servicing:** HC-CARGO 171646, 171648		
		Length: 123 mm **Thickness:** 55 mm **Width:** 24 mm	
171663 Mounting Bracket *Angled 100°.*	**Servicing:** HC-CARGO 171661		
		Length: 153 mm **Thickness:** 55 mm **Width:** 25 mm	

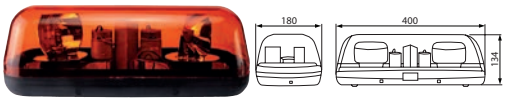
O.E.M. names and numbers are used for reference purposes only.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
171664 Mounting Bracket	**Servicing:** HC-CARGO 171662		
Adjustable.			
		Length: 156 mm **Thickness:** 42 mm **Width:** 30 mm	
171675 Rubber Adapter for Flush Mount	**Servicing:** HC-CARGO 171646, 171648		
		**Length:** 114.4 mm **Height:** 24.9 mm **Width:** 40 mm	**Colour:** Black **Material:** Rubber
171728 Rubber Adapter for Flush Mount	**Servicing:** HC-CARGO 171641, 171642, 171644		
		Length: 92 mm **Height:** 25.2 mm **Width:** 40 mm	**Colour:** Black **Material:** Rubber
171766 Rubber Boot	**Servicing:** HC-CARGO 171765		
For flush mount of HC-CARGO 171765.			
			Material: Rubber
171816 Rubber Adapter for Flush Mount	**Servicing:** HC-CARGO 171815		
		**Length:** 100.6 mm **Height:** 15.7 mm **Width:** 38 mm	**Colour:** Black **Material:** Rubber
171817 Rubber Adapter for Flush Mount	**Servicing:** HC-CARGO 171813, 171814		
		**Length:** 142 mm **Height:** 17.5 mm **Width:** 41 mm	**Colour:** Black **Material:** Rubber
171907 Rubber Adapter for Flush Mount	**Servicing:** HC-CARGO 171906		
		**Length:** 144 mm **Height:** 61 mm **Width:** 20 mm	**Colour:** Black **Material:** Rubber

O.E.M. names and numbers are used for reference purposes only.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
171908 Mounting Bracket *Angled. For single head.*	**Servicing:** HC-CARGO 171906		

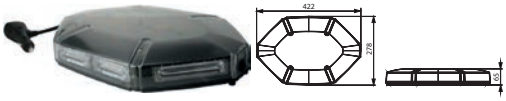
LIGHT BARS CONVENTIONAL

171681 Mini Light Bar			
	**Bulb incl.:** Yes 12 V **Voltage:** 12/24	**Length:** 400 mm **Height:** 134 mm **Width:** 180 mm	**Bulb type:** H1 12 V **Lens type:** Polycarbonate **Colour:** Orange **Material:** ABS plastic **Mount.:** Plan **Base:** Rigid **Hi impact:** Yes **Waterproof:** Yes **Tightness norm:** IP 56 **Approvals:** CE **E-approval:** Yes

SPARE PARTS

171820 Belt for Mini Light Bar	**Servicing:** HC-CARGO 171681		
			Colour: Black

LIGHT BARS LED

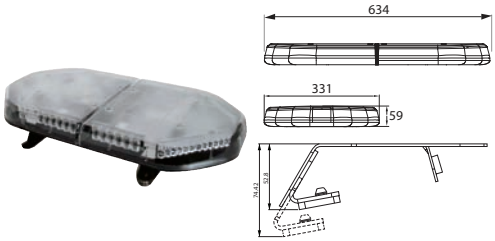
171680 LED Mini Light Bar *Bracket for permanent mounting: HC-CARGO 171682. Change flash pattern on cigarplug. Can also be connected permanently.*			
	**Voltage:** 12/24	**Length:** 422 mm **Cable length:** 3000 mm **Height:** 65 mm **Width:** 278 mm	**Bulb type:** 40x1W LED **Lens type:** Polycarbonate **Colour:** Orange **Model:** FALCON **Mount.:** Plan **Base:** Magnetic/vacuum **Hi impact:** Yes **Waterproof:** Yes **Tightness norm:** IP 66 **Approvals:** SAE/CE
171760 LED Light bar *Spare Parts: HC-CARGO 171778. Accessories: HC-CARGO 171777, 171779, 171780, 171781, 171762.*			
	Voltage: 12 **Amp:** 11.2	**Length:** 1100 mm **Height:** 67 mm **Width:** 317 mm	**Lens type:** Polycarbonate **Colour:** Orange **Material:** Aluminium **Model:** 110 cm/44" **Mount.:** Plan **Base:** Flexible **Hi impact:** Yes **Waterproof:** Yes **Approvals:** SAE/CE
171761 LED Light bar *Spare Parts: HC-CARGO 171778. Accessories: HC-CARGO 171777, 171779, 171780, 171781, 171762.*			
	Voltage: 12 **Amp:** 11.2	**Length:** 1470 mm **Height:** 67 mm **Width:** 317 mm	**Lens type:** Polycarbonate **Colour:** Orange **Material:** Aluminium **Model:** 147 cm/59" **Mount.:** Plan **Base:** Flexible **Hi impact:** Yes **Waterproof:** Yes **Approvals:** SAE/CE

O.E.M. names and numbers are used for reference purposes only.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

171849 LED Light bar

Spare Parts: HC-CARGO 171856, 171858. Accessories: HC-CARGO 171781, 171762. Recommended fuse 15 A.



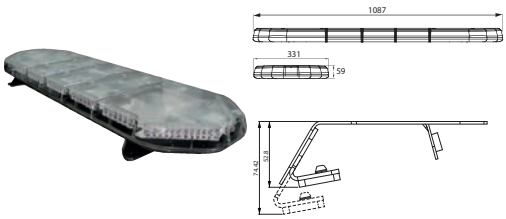
Voltage: 12
Amp: 10.4

Length: 634 mm
Height: 59 mm
Width: 331 mm

Lens type: Polycarbonate
Colour: Orange
Material: Aluminium
Model: 65 cm/24"
Mount.: Plan
Base: Flexible
Hi impact: Yes
Waterproof: Yes
Approvals: SAE/ECE-R65
E-approval: Yes

171850 LED Light bar

Spare Parts: HC-CARGO 171856, 171858. Accessories: HC-CARGO 171781, 171762. Recommended fuse 20 A.



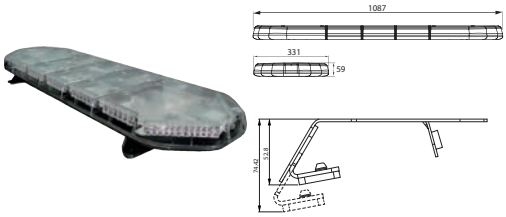
Voltage: 12
Amp: 13.4

Length: 1087 mm
Height: 59 mm
Width: 331 mm

Lens type: Polycarbonate
Colour: Orange
Material: Aluminium
Model: 110 cm/43"
Mount.: Plan
Base: Flexible
Hi impact: Yes
Waterproof: Yes
Approvals: SAE/ECE-R65
E-approval: Yes

171851 LED Light bar

Spare Parts: HC-CARGO 171857, 171859. Accessories: HC-CARGO 171865, 171762. Recommended fuse 15 A.



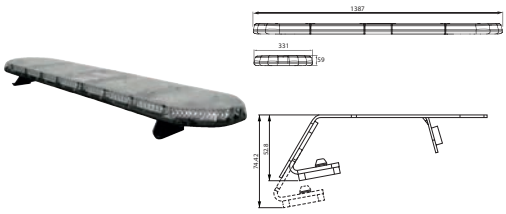
Voltage: 24
Amp: 8.2

Length: 1087 mm
Height: 59 mm
Width: 331 mm

Lens type: Polycarbonate
Colour: Orange
Material: Aluminium
Model: 110 cm/43"
Mount.: Plan
Base: Flexible
Hi impact: Yes
Waterproof: Yes
Approvals: SAE/ECE-R65
E-approval: Yes

171852 LED Light bar

Spare Parts: HC-CARGO 171856, 171858. Accessories: HC-CARGO 171781, 171762. Recommended fuse 25 A.



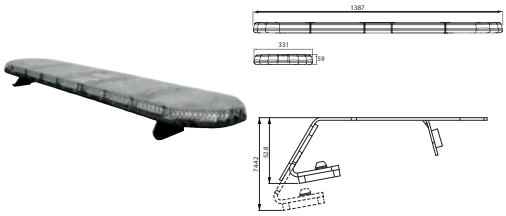
Voltage: 12
Amp: 16.2

Length: 1387 mm
Height: 59 mm
Width: 331 mm

Lens type: Polycarbonate
Colour: Orange
Material: Aluminium
Model: 140 cm/54"
Mount.: Plan
Base: Flexible
Hi impact: Yes
Waterproof: Yes
Approvals: SAE/ECE-R65
E-approval: Yes

171853 LED Light bar

Spare Parts: HC-CARGO 171857, 171859. Accessories: HC-CARGO 171865, 171762. Recommended fuse 15 A.



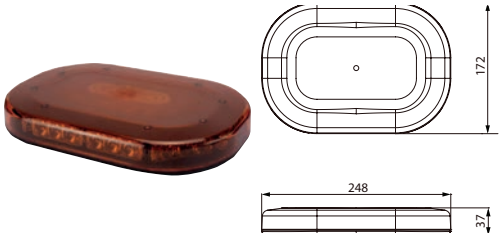
Voltage: 24
Amp: 10.2

Length: 1387 mm
Height: 59 mm
Width: 331 mm

Lens type: Polycarbonate
Colour: Orange
Material: Aluminium
Model: 140 cm/54"
Mount.: Plan
Base: Flexible
Hi impact: Yes
Waterproof: Yes
Approvals: SAE/ECE-R65
E-approval: Yes

171854 LED Micro Light Bar

Bracket for permanent mounting: HC-CARGO 171855. Change flash pattern on cigarplug. Can also be connected permanently.



Voltage: 12/24
Amp: 4.2/1.05

OD: 248x172 mm
Length: 248 mm
Height: 37 mm
Width: 172 mm

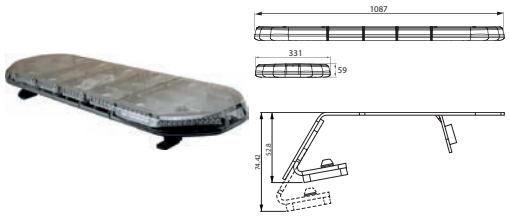
Bulb type: 30x1 W LED
Lens type: Polycarbonate
Colour: Orange
Mount.: Plan
Base: Magnetic
Flash patterns: 23
Waterproof: Yes
Approvals: SAE/ECE-R65
E-approval: Yes

O.E.M. names and numbers are used for reference purposes only.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

171909 LED Light bar

Spare Parts: HC-CARGO 171915, 171916. Accessories: HC-CARGO 171781, 171762. Recommended fuse 25 A.



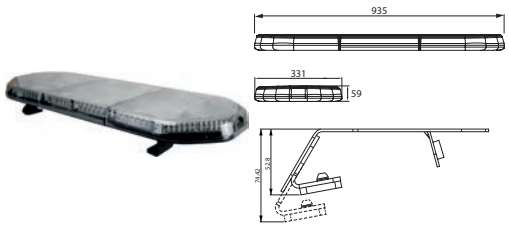
Voltage: 12
Amp: 16.4

Length: 1087 mm
Height: 59 mm
Width: 331 mm

Lens type: Polycarbonate
Colour: Blue
Material: Aluminium
Model: 110 cm/43"
Mount.: Plan
Base: Flexible
Hi impact: Yes
Waterproof: Yes
Approvals: SAE/ECE-R65
E-approval: Yes

171911 LED Light bar

Spare Parts: HC-CARGO 171857, 171859. Accessories: HC-CARGO 171865, 171762. Recommended fuse 15 A.



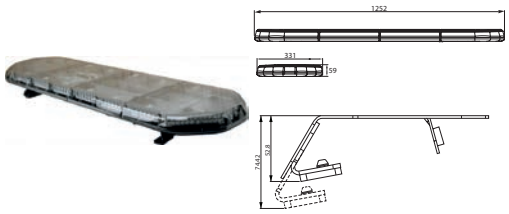
Voltage: 24
Amp: 7.2

Length: 935 mm
Height: 59 mm
Width: 331 mm

Lens type: Polycarbonate
Colour: Orange
Material: Aluminium
Model: 91.4cm - 36"
Mount.: Plan
Base: Flexible
Hi impact: Yes
Waterproof: Yes
Approvals: SAE/ECE-R65
E-approval: Yes

171912 LED Light bar

Spare Parts: HC-CARGO 171856, 171858. Accessories: HC-CARGO 171781, 171762. Recommended fuse 25 A.



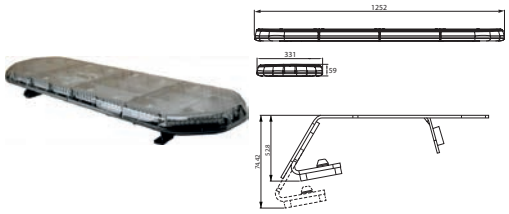
Voltage: 12
Amp: 14.8

Length: 1252 mm
Height: 59 mm
Width: 331 mm

Lens type: Polycarbonate
Colour: Orange
Material: Aluminium
Model: 124.5 cm/49"
Mount.: Plan
Base: Flexible
Hi impact: Yes
Waterproof: Yes
Approvals: SAE/ECE-R65
E-approval: Yes

171913 LED Light bar

Spare Parts: HC-CARGO 171857, 171859. Accessories: HC-CARGO 171865, 171762. Recommended fuse 15 A.



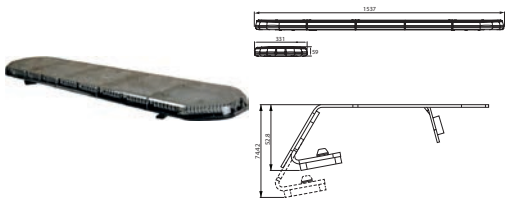
Voltage: 24
Amp: 9.2

Length: 1252 mm
Height: 59 mm
Width: 331 mm

Lens type: Polycarbonate
Colour: Orange
Material: Aluminium
Model: 124.5 cm/49"
Mount.: Plan
Base: Flexible
Hi impact: Yes
Waterproof: Yes
Approvals: SAE/ECE-R65
E-approval: Yes

171914 LED Light bar

Spare Parts: HC-CARGO 171857, 171859. Accessories: HC-CARGO 171865, 171762. Recommended fuse 20 A.



Voltage: 24
Amp: 11.2

Length: 1524 mm
Height: 59 mm
Width: 331 mm

Lens type: Polycarbonate
Colour: Orange
Material: Aluminium
Model: 152.4 cm/60"
Mount.: Plan
Base: Flexible
Hi impact: Yes
Waterproof: Yes
Approvals: SAE/ECE-R65
E-approval: Yes

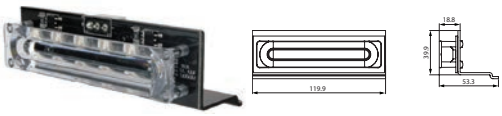
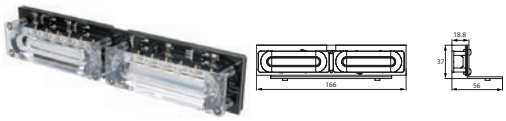
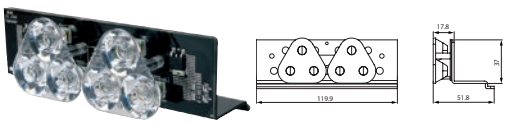
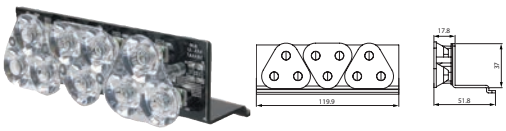
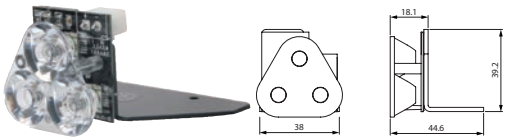
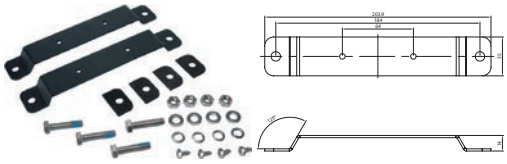
ACCESSORIES

171682 Mounting Bracket for LED Mini Light Bar

Servicing: HC-CARGO 171680

Thickness: 3 mm
Dist. mount. holes: 212 mm

O.E.M. names and numbers are used for reference purposes only.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
171762 Switch Panel	**Servicing:** HC-CARGO 171760, 171761, 171849, 171850, 171851, 171852, 171853, 171909, 171910, 171911, 171912, 171913, 171914		
Dim: 134x39x23 mm.			
		Mount. hole size: 4 mm	**Type/terminal:** Flat **Colour:** Black **Button colour:** Black **Material:** Metal **Switch:** S1-S4 On/Off, S5 Shift
171777 LED Flash, amber	**Servicing:** HC-CARGO 171760, 171761		
	**Voltage:** 12	**Length:** 119.9 mm **Height:** 39.9 mm **Width:** 18.8 mm	**Bulb type:** 6 LED **Colour:** Orange
171778 LED Corner Flash, orange	**Servicing:** HC-CARGO 171760, 171761		
	**Voltage:** 12	**Length:** 166 mm **Height:** 37 mm **Width:** 18.8 mm	**Bulb type:** 12 LED **Colour:** Orange
171779 LED Work Lamp	**Servicing:** HC-CARGO 171760, 170761		
	**Voltage:** 12	**Length:** 119.9 mm **Height:** 37 mm **Width:** 17.8 mm	**Bulb type:** 6 LED **Colour:** Transparent
171780 LED Work Lamp	**Servicing:** HC-CARGO 171760, 171761		
	**Voltage:** 12	**Length:** 119.9 mm **Height:** 37 mm **Width:** 17.8 mm	**Bulb type:** 9 LED **Colour:** Transparent
171781 LED Alley light	**Servicing:** HC-CARGO 171760, 171761, 171749, 171850, 171852, 171909, 171910, 171913		
	**Voltage:** 12	**Length:** 38 mm **Height:** 39.2 mm **Width:** 18.1 mm	**Bulb type:** 3 LED **Colour:** Transparent **Approvals:** SAE/ECE-R65 **E-approval:** Yes
171855 Mounting Bracket for LED Micro Light Bar	**Servicing:** HC-CARGO 171854		
		**Total length:** 203.9 mm **Height:** 14 mm **Dist. mount. holes:** 64/184 mm **Width:** 35 mm	

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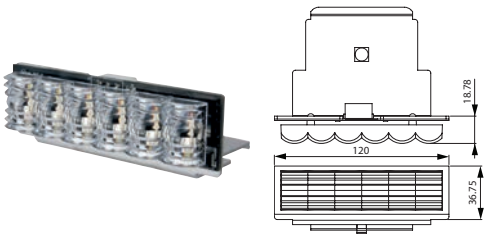
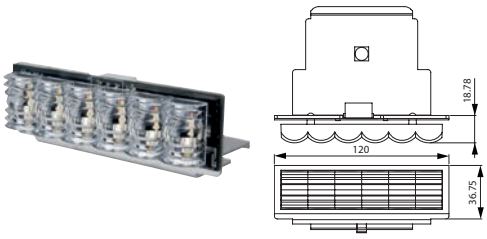
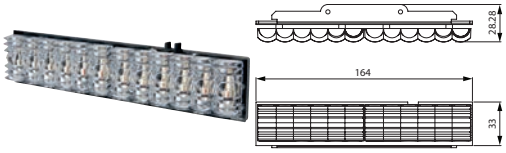
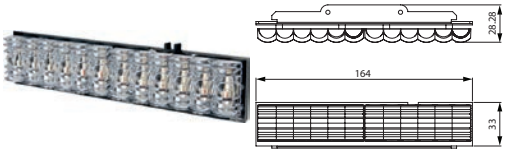
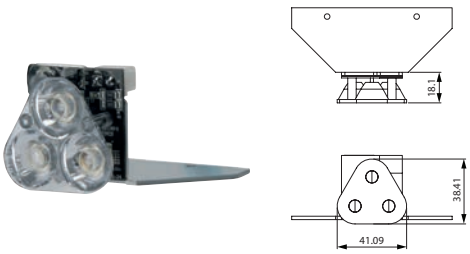
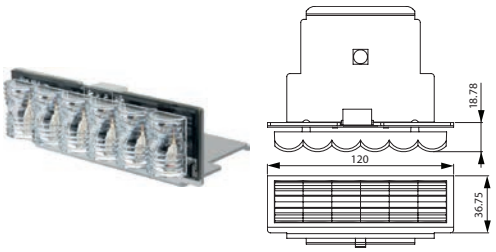
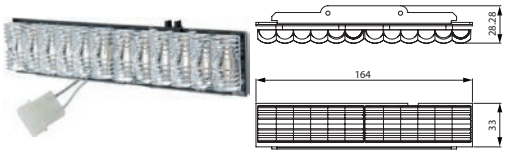
	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
171856 LED Flash, amber	**Servicing:** HC-CARGO 171760, 171761, 171849, 171850, 171852, 171910, 171912		
	**Voltage:** 12	**Length:** 120 mm **Height:** 36.75 mm **Width:** 18.78 mm	**Bulb type:** 6 LED **Colour:** Orange **Approvals:** SAE/ECE-R65 **E-approval:** Yes
171857 LED Flash, amber	**Servicing:** HC-CARGO 171851, 171853, 171911, 171913, 171914		
	**Voltage:** 24	**Length:** 120 mm **Height:** 36.75 mm **Width:** 18.78 mm	**Bulb type:** 6 LED **Colour:** Orange **Approvals:** SAE/ECE-R65 **E-approval:** Yes
171858 LED Corner Flash, orange	**Servicing:** HC-CARGO 171760, 171761, 171849, 171850, 171852, 171910, 171912		
	**Voltage:** 12	**Length:** 164 mm **Height:** 33 mm **Width:** 28.28 mm	**Bulb type:** 12 LED **Colour:** Orange **Approvals:** SAE/ECE-R65 **E-approval:** Yes
171859 LED Corner Flash, orange	**Servicing:** HC-CARGO 171851, 171853, 171911, 171913, 171914		
	**Voltage:** 24	**Length:** 164 mm **Height:** 33 mm **Width:** 28.28 mm	**Bulb type:** 12 LED **Colour:** Orange **Approvals:** SAE/ECE-R65 **E-approval:** Yes
171865 LED Alley light	**Servicing:** HC-CARGO 171851, 171853, 171911, 171913, 171914		
	**Voltage:** 24	**Height:** 38.41 mm	**Bulb type:** 3 LED **Approvals:** SAE/ECE-R65 **E-approval:** Yes
171915 LED Flash, blue	**Servicing:** HC-CARGO 171909		
	**Voltage:** 12	**Length:** 120 mm **Height:** 36.75 mm **Width:** 18.78 mm	**Bulb type:** 6 LED **Colour:** Blue **Approvals:** SAE/ECE-R65 **E-approval:** Yes
171916 LED Corner Flash	**Servicing:** HC-CARGO 171909		
	**Voltage:** 12	**Length:** 164 mm **Height:** 33 mm **Width:** 28.28 mm	**Bulb type:** 12 LED **Colour:** Blue **Approvals:** SAE/ECE-R65 **E-approval:** Yes

O.E.M. names and numbers are used for reference purposes only.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

BEACON SOCKETS

170292 Beacon Socket			
		Length: 100 mm	**Material:** Steel **Mount.:** Weld **Bracket:** Straight **Socket:** DIN 72591 1 terminal
170387 Beacon Socket			
			Material: Electro galvanized **Mount.:** w/ nuts **Bracket:** Straight **Socket:** DIN 72591 1 terminal
170405 Beacon Socket			
		Length: 108 mm **Mount. hole size:** 10 mm	**Material:** Galvanised steel **Mount.:** Flat **Bracket:** Angled 90° **Socket:** DIN 72591 2 terminal
170406 Beacon Socket			
			Material: Galvanised steel **Mount.:** 2 screws **Bracket:** Adjustable **Socket:** DIN 72591 2 terminal
170419 Beacon Socket			
			Material: Galvanised steel **Mount.:** Vertical **Bracket:** Angled 90° **Socket:** DIN 72591 2 terminal
170531 Extension			
		Length: 500 mm **Mount. hole size:** 24 mm	**Material:** Galvanised steel **Bracket:** Straight **Socket:** DIN 72591 2 terminal
170537 Beacon Socket			
			Material: Electro galvanized **Mount.:** Vertical **Bracket:** Straight **Socket:** DIN 72591 2 terminal

O.E.M. names and numbers are used for reference purposes only.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
170562 Beacon Socket			
			Material: Galvanised steel **Mount.:** 2 screws **Bracket:** Angled 90° **Socket:** DIN 72591 2 terminal
170788 Beacon Socket			
		Length: 102 mm **Mount. hole size:** 10 mm	**Material:** Electro galvanized **Mount.:** Flat **Bracket:** Angled **Socket:** DIN 72591 1 terminal
170789 Beacon Socket			
			Material: Electro galvanized **Bracket:** Flexible **Mount.:** Vertical **Socket:** DIN 72591 1 terminal
171576 Beacon Socket	**Servicing:** IH/CASE		
			Material: Steel **Mount.:** Vertical **Bracket:** Straight **Socket:** DIN 72591 2 terminal

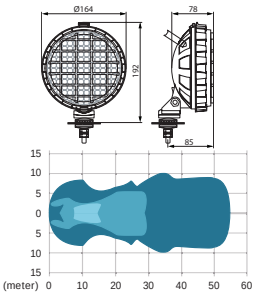
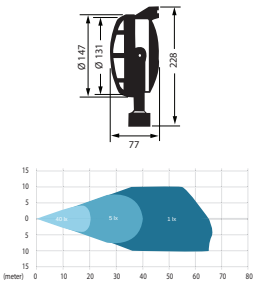
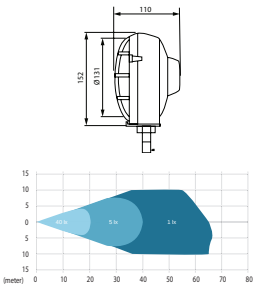
SPARE PARTS

170460 Beacon Socket	**Servicing:** John Deere tractor etc		
			Material: Galvanised steel **Mount.:** 1 bolt **Bracket:** Angled **Socket:** DIN 72591 2 terminal
171513 Rubber Body for Beacon Socket	**Servicing:** HC-CARGO 170292, 170387, 170405, 170788, 170406, 170562, 170789, 170537, 171576, 170419, 170460		
			Material: Rubber
171518 Coiled Cable	**Servicing:** HC-CARGO 170292, 170387, 170405, 170788, 170406, 170562, 170789, 170537, 171576, 170419, 170460		
			Plug type: Cigar plug **Plug 1:** 2 **ISO norm:** 4165

O.E.M. names and numbers are used for reference purposes only.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
171562 Coiled Cable	**Servicing:** HC-CARGO 171763, 171764, 171494, 171495, 171496		
			Plug type: Cigar plug
180376 DIN Socket	**Servicing:** HC-CARGO 170292, 170387, 170405, 170788, 170406, 170562, 170789, 170537, 171576, 170419, 170460		
Also used in sockets for beacons.			
			Material: Brass **No./poles:** 1
180377 DIN Socket			
Also used in sockets for beacons.			
			Material: Brass **No./poles:** 2

WORK LAMPS CONVENTIONAL

170093 Work Lamp			
	**Bulb incl.:** No	**Dim.:** 164x192x85 mm **Light aperture:** 136 mm	**Bulb type:** H3 **Socket type:** PK22s **Colour:** Black **Material/dome:** Glass **Material/house:** Plastic **Reflector system:** Single **Shape:** Round **Switch:** w/ **Mount. bracket:** Single bolt fixing **Grill:** w/ **Handle:** w/
170237 Work Lamp			
	**Bulb incl.:** No	**Dim.:** 228x77 mm **Light aperture:** 131 mm	**Bulb type:** H3 **Socket type:** PK22s **Colour:** Black **Material/dome:** Glass **Material/house:** Shockproof plastic **Reflector system:** Single **Shape:** Round **Switch:** w/ **Mount. bracket:** U-bracket w/ 2 holes **Grill:** w/ **Handle:** w/
170313 Work Lamp			
	**Bulb incl.:** No	**Dim.:** 152x110 mm **Light aperture:** 131 mm	**Bulb type:** H3 **Socket type:** PK22s **Colour:** Black **Material/dome:** Glass **Material/house:** Shockproof plastic **Reflector system:** Single **Shape:** Round **Mount. bracket:** Single bolt fixing **Grill:** w/

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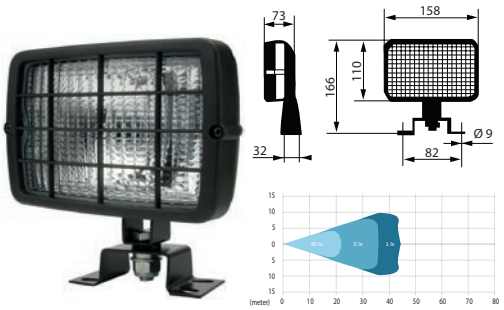
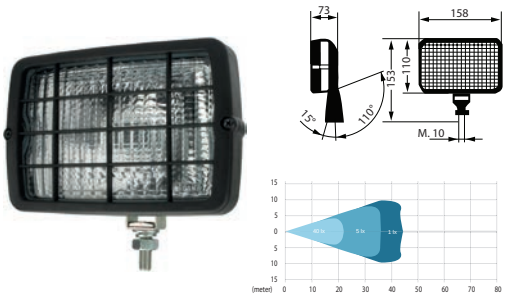
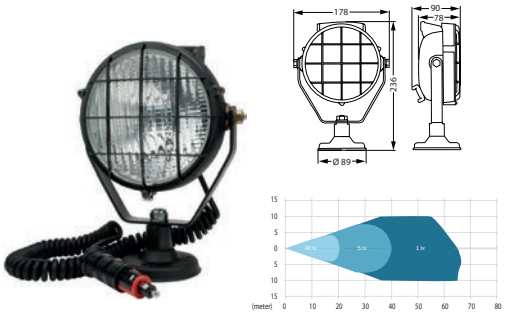
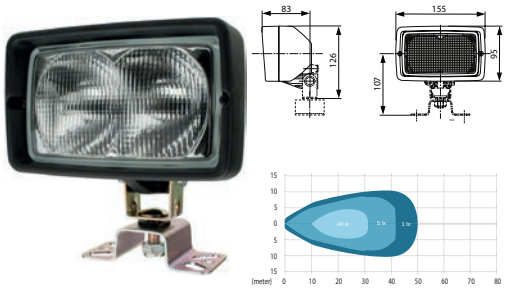
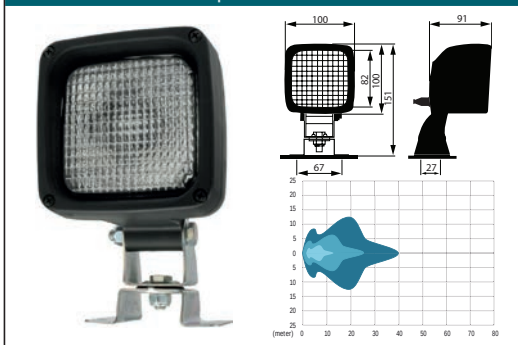
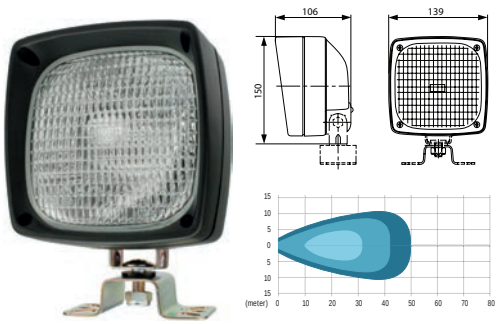
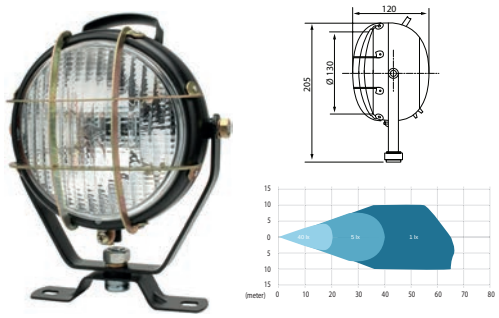
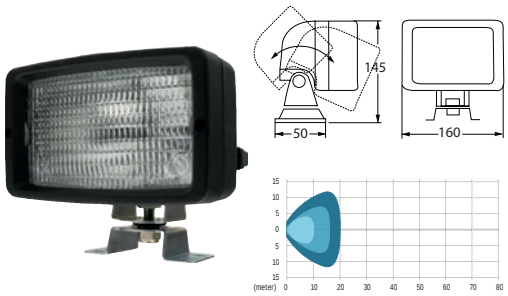
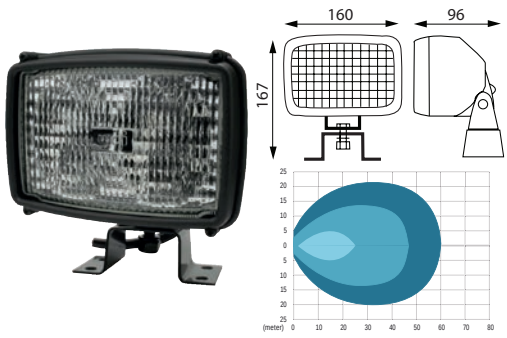
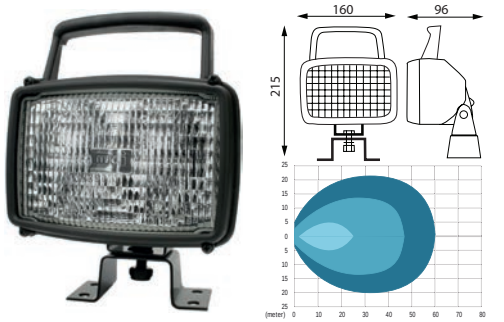
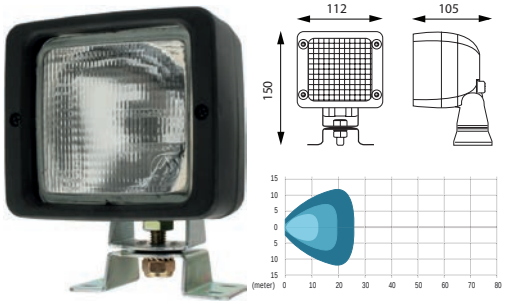
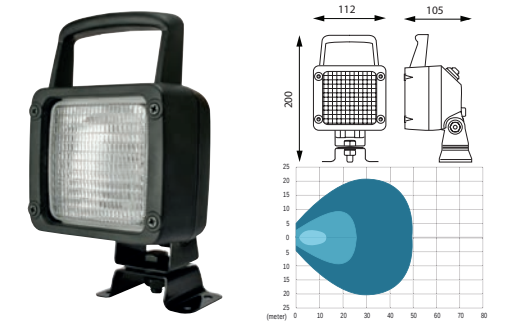
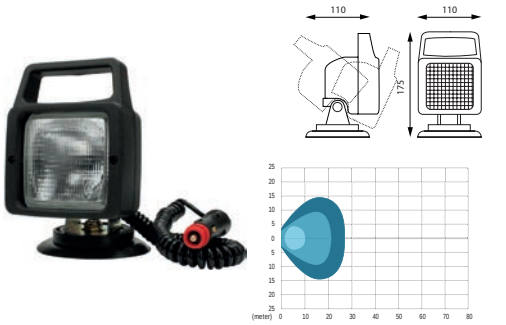
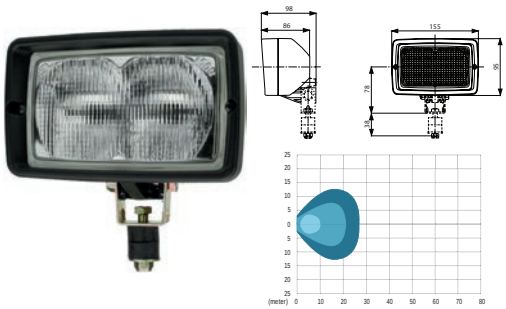
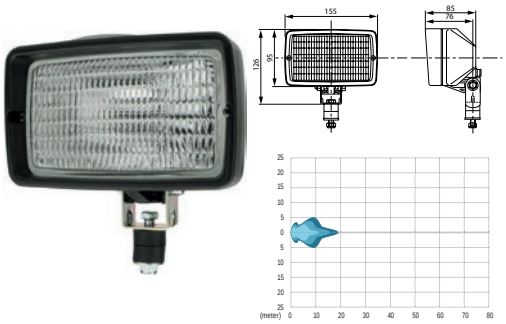
	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
170488 Work Lamp			
	**Bulb incl.:** No	**Dim.:** 166x158x73 mm **Light aperture:** 155x104 mm	**Bulb type:** H3 **Socket type:** PK22s **Colour:** Black **Material/dome:** Glass **Material/house:** Shockproof plastic **Reflector system:** Single **Shape:** Rectangular **Mount. bracket:** U-bracket w/ 4 holes **Grill:** w/
170489 Work Lamp *w/o U-bracket.*			
	**Bulb incl.:** No	**Dim.:** 158x153x73 mm **Light aperture:** 155x104 mm	**Bulb type:** H3 **Socket type:** PK22s **Colour:** Black **Material/dome:** Glass **Material/house:** Shockproof plastic **Reflector system:** Single **Shape:** Rectangular **Mount. bracket:** Single bolt fixing **Grill:** w/
170534 Work Lamp *Bracket: HC-CARGO 171936.*			
	**Bulb incl.:** No	**Dim.:** 178x236x90 mm **Coiled cable:** 2000 mm **Light aperture:** 130 mm	**Bulb type:** H3 **Socket type:** PK22s **Colour:** Black **Material/dome:** Glass **Material/house:** Metal **Shape:** Round **Switch:** w/ **Grill:** w/ **Magnet base:** w/ **Lighter plug incl.:** Yes **Handle:** w/ **Coiled cable incl.:** Yes
170851 Work Lamp			
	**Bulb incl.:** No	**Dim.:** 155x95x83 mm **Light aperture:** 136x88 mm	**Bulb type:** H3 **Socket type:** PK22s **Colour:** Black **Material/dome:** Glass **Material/house:** Shockproof plastic **Reflector system:** Dual **Shape:** Rectangular **Mount. bracket:** U-bracket w/ 6 holes **Tightness norm:** IP 54
170857 Work Lamp			
	**Bulb incl.:** No	**Dim.:** 100x151x91 mm **Light aperture:** 73x73 mm	**Bulb type:** H3 **Socket type:** PK22s **Colour:** Black **Material/dome:** Glass **Material/house:** Shockproof plastic **Reflector system:** Free form **Shape:** Square **Mount.:** Upright/pendant **Mount. bracket:** U-bracket w/ 4 holes **2 poles:** w/ **Tightness norm:** IP 66

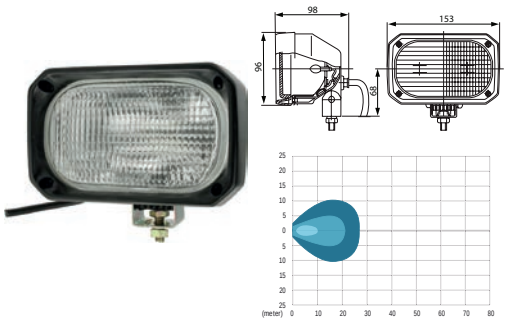
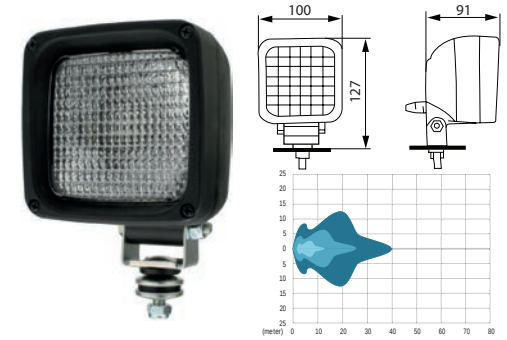
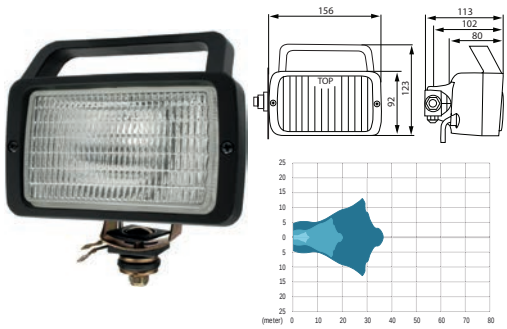
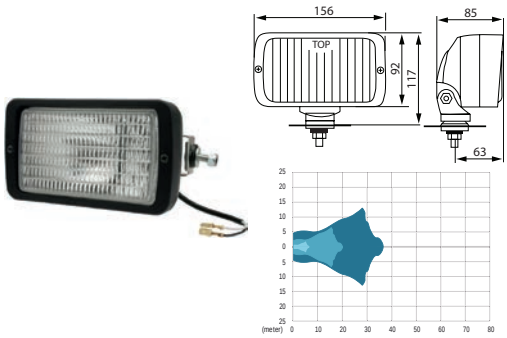
O.E.M. names and numbers are used for reference purposes only.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
170859 Work Lamp			
	**Bulb incl.:** No	**Dim.:** 139x150x106 mm **Light aperture:** 123x123 mm	**Bulb type:** H3 **Socket type:** PK22s **Colour:** Black **Material/dome:** Glass **Material/house:** Shockproof plastic **Reflector system:** Free form **Shape:** Square **Mount. bracket:** U-bracket w/ 6 holes
170970 Work Lamp			
	**Bulb incl.:** No	**Dim.:** 205x120 mm **Light aperture:** 130 mm	**Bulb type:** H3 **Socket type:** PK22s **Colour:** Black **Material/dome:** Glass **Material/house:** Metal **Shape:** Round **Switch:** w/ **Mount. bracket:** U-bracket w/ 2 holes **Grill:** w/ **Handle:** w/
170979 Work Lamp			
External plug for flat plug connection.			
	**Bulb incl.:** No	**Dim.:** 160x145x50 mm **Light aperture:** 123x72 mm	**Bulb type:** H3 **Socket type:** PK22s **Colour:** Black **Material/dome:** Glass **Material/house:** Shockproof plastic **Shape:** Rectangular **Mount.:** Flat **Mount. bracket:** U-bracket w/ 4 holes
170980 Work Lamp	**Servicing:** Universal		
External plug for flat plug connection.			
	**Bulb incl.:** No	**Dim.:** 160x167x96 mm **Light aperture:** 123x78 mm	**Bulb type:** H3 **Socket type:** PK22s **Colour:** Black **Material/dome:** Glass **Material/house:** Shockproof plastic **Reflector system:** Dual **Shape:** Rectangular **Mount.:** Flat **Mount. bracket:** U-bracket w/ 4 holes **Tightness norm:** IP 65
170981 Work Lamp			
External plug for flat plug connection.			
	**Bulb incl.:** No	**Dim.:** 160x215x96 mm **Light aperture:** 123x78 mm	**Bulb type:** H3 **Socket type:** PK22s **Colour:** Black **Material/dome:** Glass **Material/house:** Shockproof plastic **Reflector system:** Dual **Shape:** Rectangular **Mount.:** Flat **Switch:** w/ **Mount. bracket:** U-bracket w/ 4 holes **Handle:** w/ **Tightness norm:** IP 65

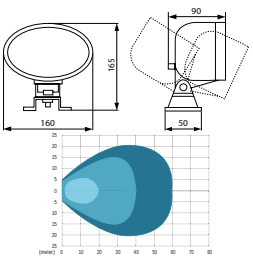
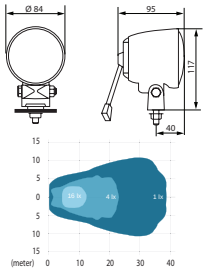
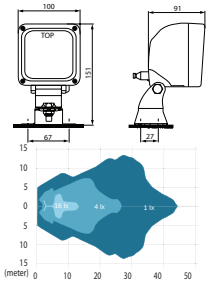
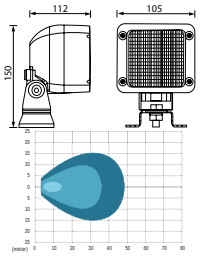
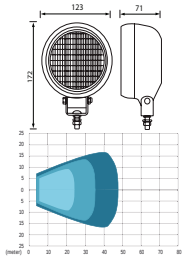
O.E.M. names and numbers are used for reference purposes only.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
170982 Work Lamp *External plug for 6.3 mm flat plug connection.* 	**Bulb incl.:** No	**Dim.:** 112x150x105 mm **Light aperture:** 73x73 mm	**Bulb type:** H3 **Socket type:** PK22s **Colour:** Black **Material/dome:** Glass **Material/house:** Shockproof plastic **Reflector system:** Single **Shape:** Square **Mount.:** Flat **Mount. bracket:** U-bracket w/ 4 holes **Tightness norm:** IP 67
170983 Work Lamp *External plug for 6.3 mm flat plug connection.* 	**Bulb incl.:** No	**Dim.:** 112x200x105 mm **Light aperture:** 73x73 mm	**Bulb type:** H3 **Socket type:** PK22s **Colour:** Black **Material/dome:** Glass **Material/house:** Shockproof plastic **Reflector system:** Single **Shape:** Square **Mount.:** Flat **Switch:** w/ **Mount. bracket:** U-bracket w/ 4 holes **Handle:** w/ **Tightness norm:** IP 65
170984 Work Lamp *External plug for 6.3 mm flat plug connection.* 	**Bulb incl.:** No	**Dim.:** 110x175x110 mm **Coiled cable:** 2000 mm **Light aperture:** 73x73 mm	**Bulb type:** H3 **Socket type:** PK22s **Colour:** Black **Material/dome:** Glass **Material/house:** Shockproof plastic **Reflector system:** Single **Shape:** Square **Switch:** w/ **Magnet base:** w/ **Lighter plug incl.:** Yes **Handle:** w/ **2 poles:** w/ **Coiled cable incl.:** Yes
171167 Work Lamp 	**Bulb incl.:** No	**Dim.:** 155x95x86 mm **Light aperture:** 136x88 mm	**Bulb type:** H3 **Socket type:** PK22s **Colour:** Black **Material/dome:** Glass **Material/house:** Shockproof plastic **Reflector system:** Dual **Shape:** Rectangular **Mount. bracket:** U-bracket w/ 6 holes **Tightness norm:** IP 54
171168 Work Lamp 	**Bulb incl.:** No	**Dim.:** 155x126x85 mm **Light aperture:** 123x72 mm	**Bulb type:** H3 **Socket type:** PK22s **Inclination/downwards:** 40° **Inclination/upwards:** 100° **Colour:** Black **Material/dome:** Glass **Material/house:** Shockproof plastic **Reflector system:** Single **Shape:** Rectangular

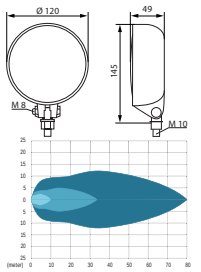
O.E.M. names and numbers are used for reference purposes only.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
171347 Work Lamp			
	**Bulb incl.:** No	**Dim.:** 153x96x98 mm **Light aperture:** 124x72 mm	**Bulb type:** H3 **Socket type:** PK22s **Colour:** Black **Material/dome:** Glass **Material/house:** Shockproof plastic **Reflector system:** Single **Shape:** Rectangular **Mount.:** Upright/pendant **Mount. bracket:** Single bolt fixing
171449 Work Lamp			
External plug for multiplug connection.			
	**Bulb incl.:** No **Watt:** 55	**Dim.:** 100x127x91 mm **Light aperture:** 73x73 mm	**Bulb type:** H3 **Socket type:** PK22s **Colour:** Black **Material/dome:** Shockproof plastic **Material/house:** Glass **Reflector system:** Single **Shape:** Square **Mount.:** Upright/pendant **Mount. bracket:** Single bolt fixing **2 poles:** w/ **Tightness norm:** IP 66
171564 Work Lamp			
	**Bulb incl.:** No	**Dim.:** 156x117x85 mm **Light aperture:** 120x68 mm	**Bulb type:** H3 **Socket type:** PK22s **Material/dome:** Shockproof plastic **Material/house:** Glass **Shape:** Rectangular **Switch:** w/ **Handle:** w/ **Tightness norm:** IP 55
171566 Work Lamp			
	**Bulb incl.:** No	**Dim.:** 156x123x113 mm **Light aperture:** 123x70 mm	**Bulb type:** H3 **Socket type:** PK22s **Inclination/downwards:** 180° **Inclination/upwards:** 180° **Inclination/sideways:** 105° **Colour:** Black **Material/dome:** Glass **Material/house:** Shockproof plastic **Shape:** Rectangular **Mount.:** Sidemounted **Tightness norm:** IP 55
171619 Work Lamp			
	Bulb incl.: No **Watt:** 70	**Dim.:** 160x165x90 mm **Light aperture:** 77x130 mm	**Bulb type:** H3 **Socket type:** PK22s **Colour:** Black **Material/dome:** Glass **Material/house:** Shockproof plastic **Reflector system:** Single **Model:** Compact 5000 **Shape:** Oval **Mount. bracket:** 4 holes **2 poles:** w/

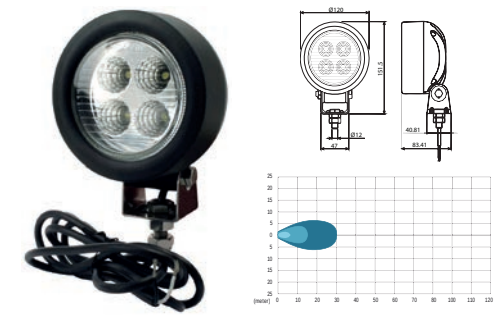
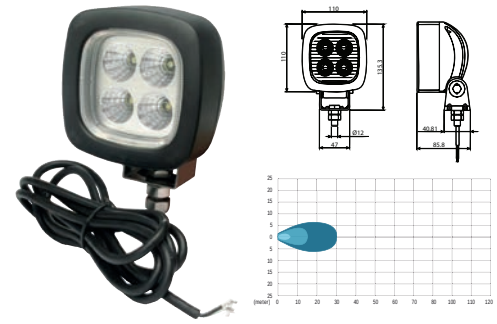
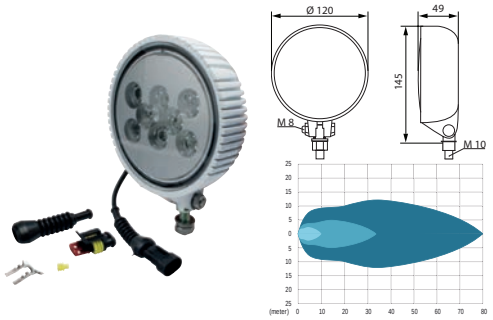
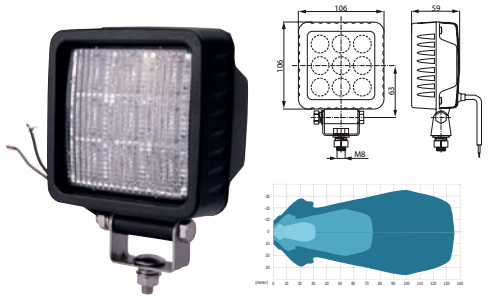
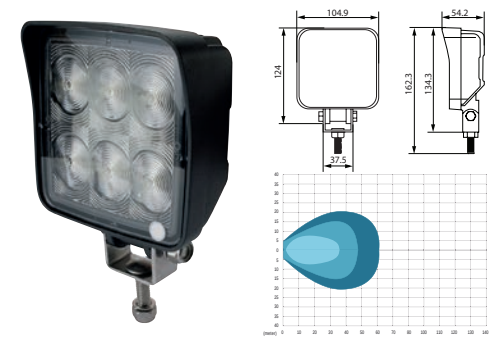
O.E.M. names and numbers are used for reference purposes only.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
171620 Work Lamp			
	**Bulb incl.:** No	**Dim.:** 160x165x90 mm **Light aperture:** 77x130 mm	**Bulb type:** H3 **Socket type:** PK22s **Colour:** Black **Material/dome:** Shockproof plastic **Reflector system:** Dual **Model:** Twin beam 5000 **Shape:** Oval **Mount. bracket:** 4 holes **2 poles:** w/
171745 Work Lamp			
	**Bulb incl.:** No	**Dim.:** 117x84x95 mm **Light aperture:** 69 mm	**Bulb type:** H3 **Socket type:** PK22s **Colour:** Black **Material/dome:** Glass **Material/house:** ABS plastic **Reflector system:** Single **Shape:** Round **Mount. bracket:** U-bracket w/ 1 bolt **2 poles:** w/ **Tightness norm:** IP 66
171782 Work Lamp *w/ Deutsch multiconnection.*			
	**Bulb incl.:** No	**Dim.:** 100x151x91 mm **Light aperture:** 73x73 mm	**Bulb type:** H3 **Socket type:** PK22s **Colour:** Black **Material/dome:** Glass **Material/house:** Shockproof plastic **Reflector system:** Single **Shape:** Square **Mount.:** Upright/pendant **Switch:** w/ **Mount. bracket:** Single bolt fixing **2 poles:** w/ **Tightness norm:** IP 66
171845 Work Lamp	**Servicing:** Marine		
	**Bulb incl.:** Yes **Voltage:** 12 **Watt:** 55	**Dim.:** 105x150x112 mm	**Bulb type:** H3 **Socket type:** PK22s **Colour:** White **Material/dome:** Glass **Shape:** Square **Mount.:** Single bolt fixing **Mount. bracket:** Mounting bracket **Tightness norm:** IP 65
171848 Work Lamp			
	**Bulb incl.:** No	**Dim.:** 123x172x71 mm	**Bulb type:** H3 **Socket type:** PK22s **Colour:** Black **Material/dome:** Glass **Material/house:** PVC **Shape:** Round **Mount. bracket:** Single bolt fixing

WORK LAMPS LED

171640 LED Work Lamp			
	**Voltage:** 9-30 **Watt:** 24 **Lumen:** 1440	**Dim.:** 120x145x49 mm **Light aperture:** 130 mm	**Bulb type:** LED **Colour:** Grey **Material/house:** Aluminium **Model:** 8 LED **Shape:** Round **Switch:** w/o **Mount. bracket:** 1 nut **2 poles:** w/ **Tightness norm:** IP 69K **Approvals:** EMC/ADR/GGVS

O.E.M. names and numbers are used for reference purposes only.

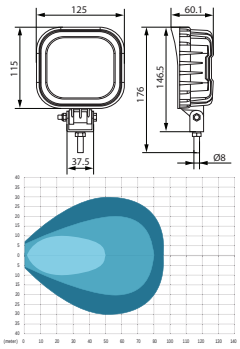
	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
171671 LED Work Lamp *4 diodes. Black cable negative.* 	**Voltage:** 9-56 **Watt:** 8.5 **Candela:** 800 **Kelvin:** 5000-6500 **Lumen:** 450	**Dim.:** 151.5x120x83.41 mm **Light aperture:** 100 mm	**Bulb type:** LED **Colour:** Black **Material/dome:** Shockproof plastic **Material/house:** Shock thermo plastic **Shape:** Round **Mount. bracket:** 1 nut **Tightness norm:** IP 66
171672 LED Work Lamp *4 diodes.* 	**Voltage:** 9-56 **Watt:** 8.5 **Candela:** 800 **Kelvin:** 5000-6500 **Lumen:** 450	**Dim.:** 135.5x110x85.8 mm **Light aperture:** 100 mm	**Bulb type:** LED **Colour:** Black **Material/dome:** Shockproof plastic **Material/house:** Shockproof plastic **Shape:** Square **Mount. bracket:** 1 nut **Tightness norm:** IP 66
171723 LED Work Lamp 	**Servicing:** Marine **Voltage:** 9-30 **Watt:** 24 **Lumen:** 1440	**Dim.:** 120x145x49 mm **Light aperture:** 130 mm	**Bulb type:** LED **Colour:** White **Material/house:** Aluminium **Model:** 8 LED - Marine **Shape:** Round **Mount. bracket:** 1 nut **2 poles:** w/ **Tightness norm:** IP 69K **Approvals:** EMC/ADR/GGVS
171727 LED Work Lamp *Grey lead +, white lead -.* 	**Voltage:** 9-33 **Watt:** 9 **Kelvin:** 5000-5500 **Lumen:** 800-1000	**Dim.:** 106x106x59 mm **Light aperture:** 85x85 mm	**Bulb type:** LED **Colour:** Black **Material/dome:** Shockproof plastic **Material/house:** Cast aluminum **Model:** 9 LED **Shape:** Square **Mount. bracket:** U-bracket w/ 1 bolt **Tightness norm:** IP 67 **Approvals:** CE/EMC
171751 LED Work Lamp *White cable to ground. Black cable to +12/36 V.* 	**Voltage:** 9-36 **Watt:** 19 **Candela:** 2210 **Lumen:** 1200	**Dim.:** 104.9x162.3x54.2 mm **Light aperture:** 100x100 mm	**Bulb type:** LED **Colour:** Black **Material/dome:** Polycarbonate **Material/house:** Cast aluminum **Model:** 6 LED **Mount. bracket:** U-bracket w/ 1 bolt **Tightness norm:** IP 69K **Approvals:** CE/EMC

O.E.M. names and numbers are used for reference purposes only.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

171752 LED Work Lamp

White cable to ground. Black cable to +12/36 V.

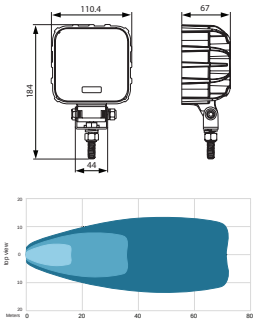


Voltage: 12-36
Watt: 20
Candela: 3600
Lumen: 1800

Dim.: 125x176x60.1 mm
Light aperture: 93x83 mm

Bulb type: LED
Colour: Black
Material/dome: Polycarbonate
Material/house: Cast aluminum
Model: 9 LED
Mount. bracket: U-bracket w/ 1 bolt
Tightness norm: IP 69K

171753 LED Work Lamp

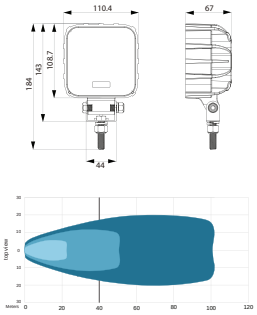


Voltage: 11-70
Watt: 22
Lumen: 1000

Dim.: 110.4x184x67 mm
Light aperture: 88x88 mm

Bulb type: LED
Colour: Black
Material/house: Cast aluminum
Model: 6 LED
Shape: Square
Mount. bracket: Single bolt fixing
Tightness norm: IP 67

171755 LED Work Lamp

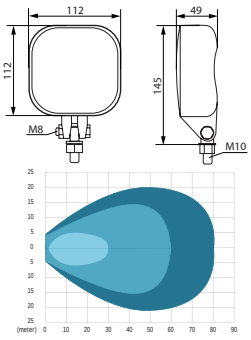


Voltage: 11-70
Watt: 27
Lumen: 1900

Dim.: 110.4x184x67 mm
Light aperture: 88x88 mm

Bulb type: LED
Colour: Black
Material/house: Cast aluminum
Model: 6 LED
Mount. bracket: Single bolt fixing
Tightness norm: IP 67
E-approval: No

171774 LED Work Lamp

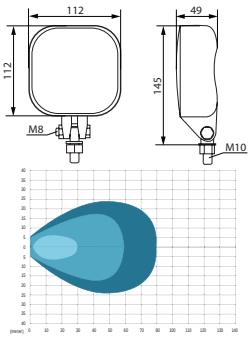


Voltage: 11-30
Watt: 40
Lumen: 3200

Dim.: 112x112x49 mm

Bulb type: LED
Colour: Silver
Material/house: Cast aluminum
Model: 12 LED
Shape: Square
Mount. bracket: U-bracket w/ 1 bolt
Tightness norm: IP 69K
Approvals: EMC/ADR/GGVS

171775 LED Work Lamp

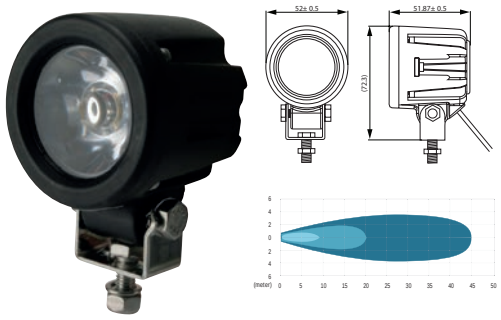
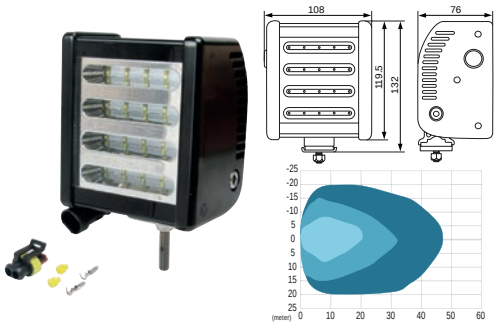
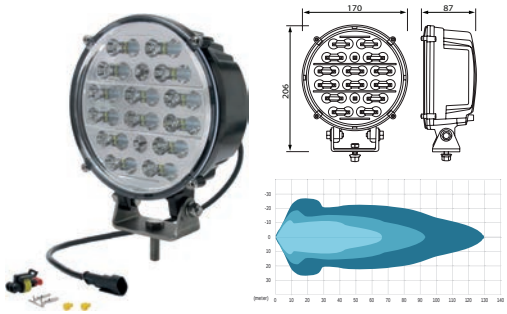
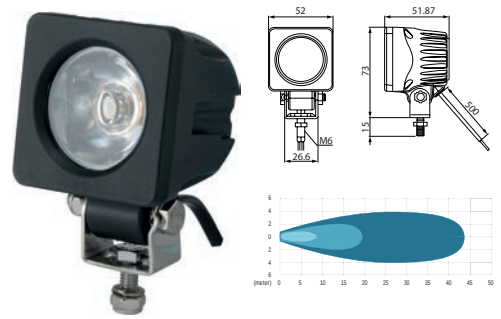
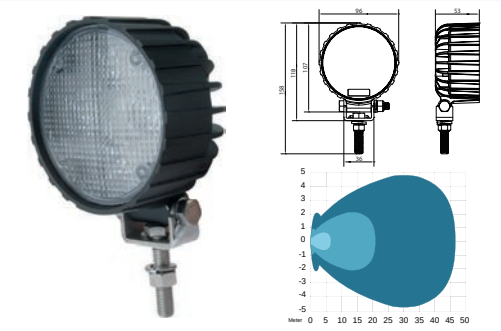


Voltage: 11-30
Watt: 36
Lumen: 1800

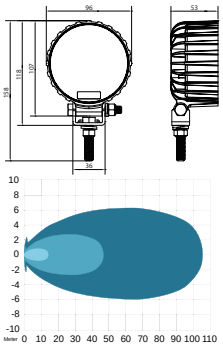
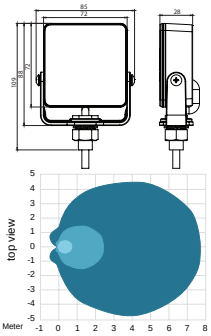
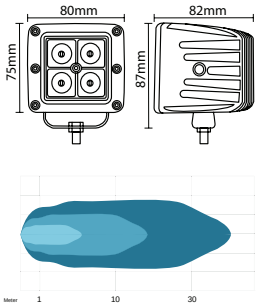
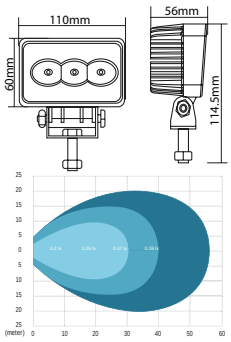
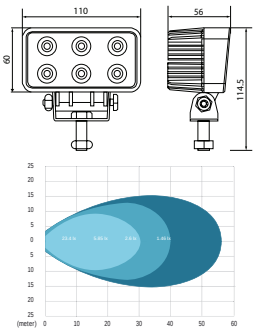
Dim.: 112x112x49 mm

Bulb type: LED
Colour: Silver
Material/house: Cast aluminum
Model: 12 LED
Mount. bracket: U-bracket w/ 1 bolt
Tightness norm: IP 69K
Approvals: EMC/ADR/GGVS

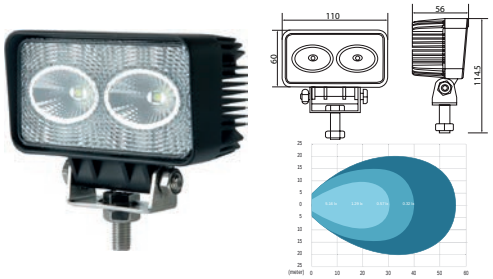
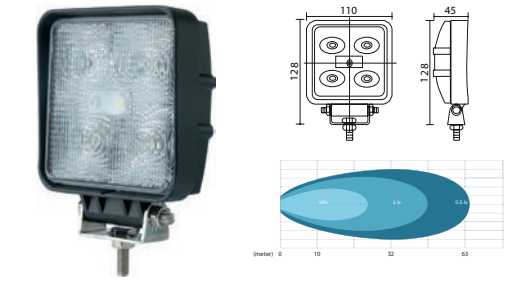
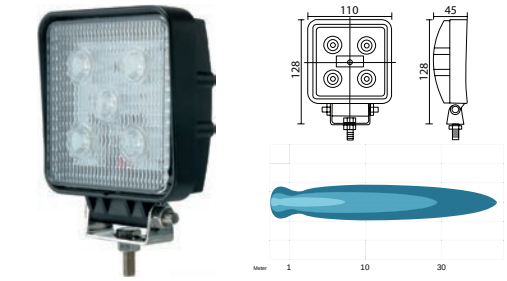
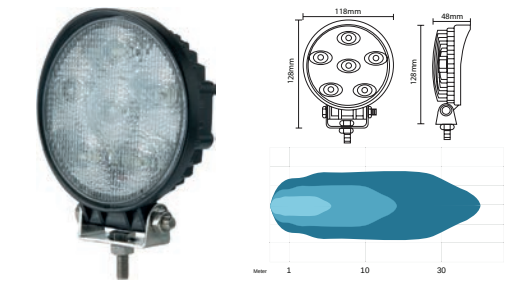
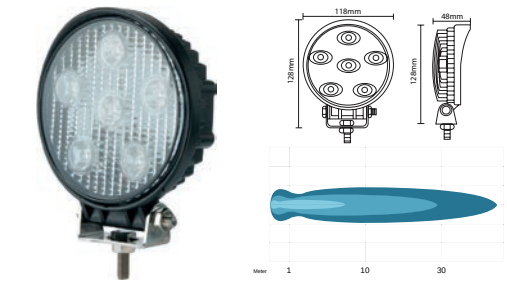
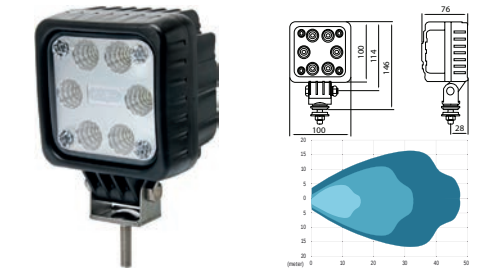
O.E.M. names and numbers are used for reference purposes only.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
171811 LED Work Lamp *Pre-wired w/ 30 cm cable.* 	**Voltage:** 10-80 **Watt:** 5 **Candela:** 2000 **Kelvin:** 5000-6500 **Lumen:** 600	**Dim.:** 72.3x52x51.87 mm **Light aperture:** 35 mm	**Bulb type:** LED **Inclination/downwards:** Yes **Inclination/upwards:** Yes **Colour:** Black **Material/dome:** Plastic **Material/house:** Aluminium **Shape:** Round **Mount. bracket:** U-bracket w/ 1 bolt **Tightness norm:** IP 66 **Approvals:** CE
171838 LED Work Lamp 	**Voltage:** 9-36 **Amp:** 1.2/2.5 **Watt:** 28-30 **Lumen:** 3000	**Dim.:** 132x108x76 mm	**Colour:** Black **Material/dome:** Polycarbonate **Material/house:** Aluminium **Model:** 20 LED **Shape:** Square **Mount. bracket:** Single bolt fixing **2 poles:** w/ **Tightness norm:** IP 67 **Approvals:** CE
171846 LED Work Lamp *2 pin AMP connector.* 	**Voltage:** 9-36 **Amp:** 6/3 **Watt:** 67.5 **Lumen:** 5400	**Dim.:** 170x206x87 mm	**Bulb type:** LED **Inclination/downwards:** 45° **Inclination/upwards:** 45° **Colour:** Black **Material/dome:** Polycarbonate **Material/house:** Aluminium **Shape:** Round **Mount. bracket:** U-bracket w/ 1 bolt **2 poles:** w/ **Tightness norm:** IP 67 **Approvals:** CE
171847 LED Work Lamp *Pre-wired w/ 30 cm cable.* 	**Voltage:** 10-80 **Amp:** 0.3 **Watt:** 5 **Candela:** 2000 **Kelvin:** 5000-6500 **Lumen:** 600	**Dim.:** 52x51.9x72.3 mm	**Bulb type:** LED **Inclination/downwards:** Yes **Inclination/upwards:** Yes **Colour:** Black **Model:** LED **Shape:** Square **Tightness norm:** IP 67 **Approvals:** CE
171938 LED Work Lamp *Flood type.* 	**Voltage:** 9-50 **Amp:** <0.55 **Watt:** 10.8 **Lumen:** 900	**Dim.:** 96x118x53 mm **Cable length:** 380 mm **Light aperture:** 90 mm	**Bulb type:** 4 LED **Colour:** Black **Material/dome:** Polycarbonate **Material/house:** Aluminium **Shape:** Round **Mount. bracket:** 1 bolt **Tightness norm:** IP 68 **Approvals:** CE/EMC

O.E.M. names and numbers are used for reference purposes only.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
171939 LED Work Lamp *Spot.* 	**Voltage:** 9-50 **Amp:** <0.65 **Watt:** 11 **Lumen:** 900	**Dim.:** 96x118 mm **Cable length:** 380 mm **Light aperture:** 90 mm	**Bulb type:** 4 LED **Colour:** Black **Material/dome:** Polycarbonate **Material/house:** Aluminium **Shape:** Round **Mount. bracket:** 1 bolt **Tightness norm:** IP 68 **Approvals:** CE/EMC
171940 LED Work Lamp 	**Voltage:** 12-24 **Amp:** 0.37 **Watt:** 7.5	**Dim.:** 88x85 mm **Cable length:** 380 mm **Light aperture:** 72 mm	**Bulb type:** 4 LED **Material/dome:** Polycarbonate **Material/house:** Aluminium **Shape:** Square **Mount. bracket:** U-bracket w/ 1 bolt **Tightness norm:** IP 67 **Approvals:** CE
171944 LED Work Lamp 	**Voltage:** 10-30 **Watt:** 16 **Kelvin:** 6000 **Lumen:** 800	**Dim.:** 87x80x75 mm	**Bulb type:** 4 LED **Colour:** Black **Material/ bracket:** Stainless steel **Material/dome:** Polycarbonate **Material/house:** Cast aluminum **Shape:** Square **Mount.:** Cable **Tightness norm:** IP 67 **Approvals:** CE
171945 LED Work Lamp 	**Voltage:** 10-30 **Watt:** 9 **Kelvin:** 6000 **Lumen:** 600	**Dim.:** 60x110x56 mm	**Bulb type:** 3 LED **Colour:** Black **Material/ bracket:** Stainless steel **Material/dome:** Polycarbonate **Material/house:** Cast aluminum **Shape:** Rectangular **Mount.:** Cable **Tightness norm:** IP 67 **Approvals:** CE
171946 LED Work Lamp 	**Voltage:** 10-30 **Watt:** 18 **Kelvin:** 6000 **Lumen:** 1200	**Dim.:** 60x110x56 mm	**Bulb type:** 6 LED **Colour:** Black **Material/ bracket:** Stainless steel **Material/dome:** Polycarbonate **Material/house:** Cast aluminum **Shape:** Rectangular **Mount.:** Cable **Tightness norm:** IP 67 **Approvals:** CE

O.E.M. names and numbers are used for reference purposes only.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
171947 LED Work Lamp			
	**Voltage:** 10-30 **Watt:** 20 **Kelvin:** 6000 **Lumen:** 1600	**Dim.:** 60x110x56 mm	**Bulb type:** 2 LED **Colour:** Black **Material/ bracket:** Stainless steel **Material/dome:** Polycarbonate **Material/house:** Cast aluminum **Shape:** Rectangular **Mount.:** Cable **Tightness norm:** IP 67 **Approvals:** CE
171948 LED Work Lamp			
	**Voltage:** 10-30 **Watt:** 15 **Kelvin:** 6000 **Lumen:** 1100	**Dim.:** 128x110x45 mm	**Bulb type:** 5 LED **Colour:** Black **Material/ bracket:** Stainless steel **Material/dome:** Polycarbonate **Material/house:** Cast aluminum **Shape:** Square **Mount.:** Cable **Tightness norm:** IP 67 **Approvals:** CE
171949 LED Work Lamp			
	**Voltage:** 10-30 **Watt:** 15 **Kelvin:** 6000 **Lumen:** 1100	**Dim.:** 128x110x45 mm	**Bulb type:** 5 LED **Colour:** Black **Material/ bracket:** Stainless steel **Material/dome:** Polycarbonate **Material/house:** Cast aluminum **Shape:** Square **Mount.:** Cable **Tightness norm:** IP 67 **Approvals:** CE
171950 LED Work Lamp			
	**Voltage:** 10-30 **Watt:** 18 **Kelvin:** 6000 **Lumen:** 1200	**Dim.:** 128x116x48 mm	**Bulb type:** 6 LED **Colour:** Black **Material/ bracket:** Stainless steel **Material/dome:** Polycarbonate **Material/house:** Cast aluminum **Shape:** Round **Mount.:** Cable **Tightness norm:** IP 67 **Approvals:** CE
171951 LED Work Lamp			
	**Voltage:** 10-30 **Watt:** 18 **Kelvin:** 6000 **Lumen:** 1200	**Dim.:** 128x116x48 mm	**Bulb type:** 6 LED **Colour:** Black **Material/ bracket:** Stainless steel **Material/dome:** Polycarbonate **Material/house:** Cast aluminum **Shape:** Round **Mount.:** Cable **Tightness norm:** IP 67 **Approvals:** CE
171955 LED Work Lamp			
Accessories: HC-CARGO 190252, 190261, 191029, 193010.			
	**Voltage:** 12-24 **Watt:** 24 **Kelvin:** 5000-7000 **Lumen:** 1500	**Dim.:** 100x100x76 mm	**Bulb type:** 6 LED **Inclination/downwards:** 80° **Inclination/upwards:** 90° **Inclination/sideways:** 180° **Colour:** Black **Material/dome:** Plastic **Material/house:** ABS plastic/aluminium **2 poles:** w/ **Tightness norm:** IP 68 **Approvals:** CE

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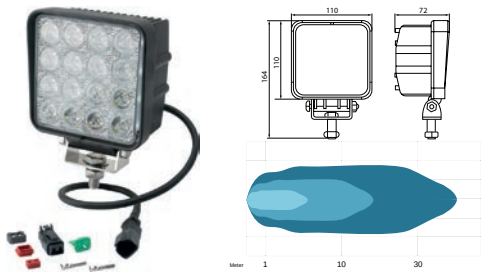
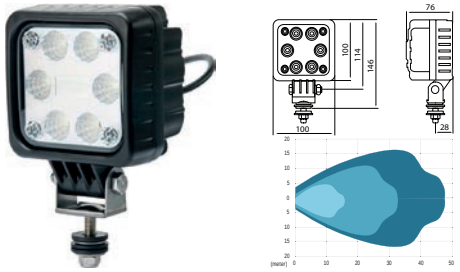
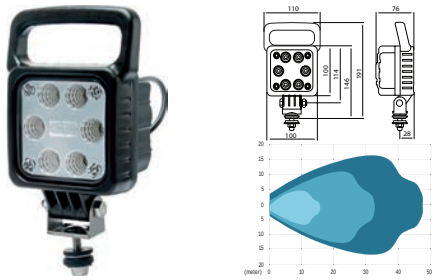
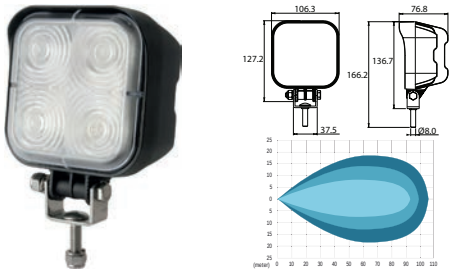
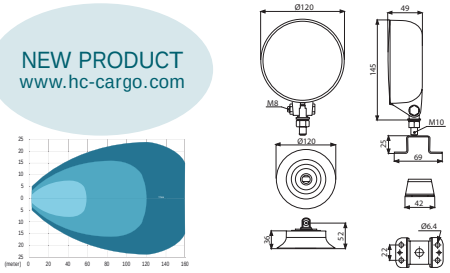
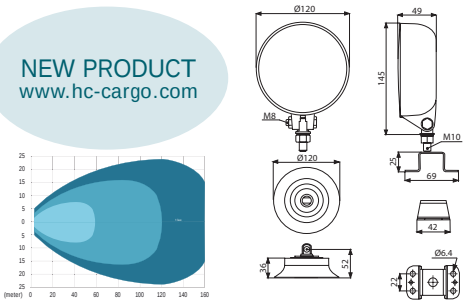
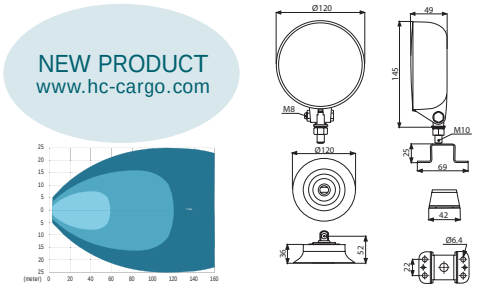
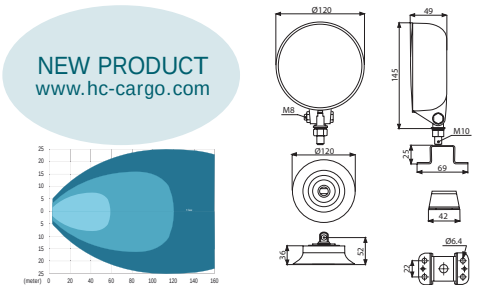
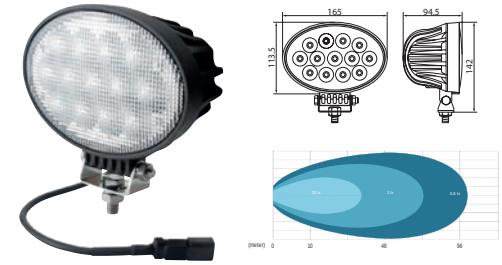
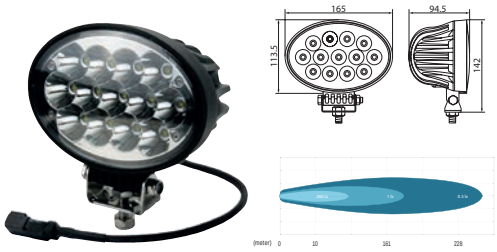
	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
172001 LED Work Lamp			
	**Voltage:** 10-80 **Watt:** 48 **Kelvin:** 6000 **Lumen:** 3500	**Dim.:** 164x110x72 mm	**Bulb type:** 16 LED **Colour:** Black **Material/ bracket:** Stainless steel **Material/dome:** Polycarbonate **Material/house:** Cast aluminum **Shape:** Square **Mount.:** Cable **2 poles:** w/ **Tightness norm:** IP 67 **Approvals:** CE/EMC
172003 LED Work Lamp			
	**Voltage:** 12-24 **Watt:** 24 **Kelvin:** 5000-7000 **Lumen:** 1500	**Dim.:** 100x100x76 mm **Cable length:** 500 mm	**Bulb type:** 6 LED **Inclination/downwards:** 80° **Inclination/upwards:** 90° **Inclination/sideways:** 180° **Colour:** Black **Material/dome:** Plastic **Material/house:** ABS plastic/aluminium **Switch:** w/ **Tightness norm:** IP 68 **Approvals:** CE
172004 LED Work Lamp			
	**Voltage:** 12-24 **Watt:** 24 **Kelvin:** 5000-7000 **Lumen:** 1500	**Dim.:** 205x110x76 mm **Cable length:** 500 mm	**Bulb type:** 6 LED **Inclination/downwards:** 80° **Inclination/upwards:** 90° **Inclination/sideways:** 180° **Colour:** Black **Material/dome:** Plastic **Material/house:** ABS plastic/aluminium **Switch:** w/ **Handle:** w/ **Tightness norm:** IP 68 **Approvals:** CE
172010 LED Work Lamp			
280 mm cable.			
	**Voltage:** 12-36 **Watt:** 40 **Lumen:** 3200	**Dim.:** 127.2x106.3x76.8 mm	**Bulb type:** LED **Colour:** Black **Material/house:** Aluminium **Model:** 4 LED **Shape:** Square **Mount. bracket:** U-bracket w/ 1 bolt **Tightness norm:** IP 69K **Approvals:** CE/EMC
172017 LED Work Lamp			
NEW PRODUCT www.hc-cargo.com 	**Voltage:** 12-24 **Watt:** 34 **Lumen:** 2600	**Dim.:** 145x120x49 mm	**Bulb type:** 12 LED **Material/house:** Aluminium **Model:** 12 LED **Magnet base:** w/ **Tightness norm:** IP 69K **Approvals:** EMC/ADR/GGVS
172018 LED Work Lamp			
NEW PRODUCT www.hc-cargo.com 	**Voltage:** 12-24 **Watt:** 34 **Lumen:** 2600	**Dim.:** 145x120x49 mm	**Material/house:** Aluminium **Model:** 12 LED **Tightness norm:** IP 69K **Approvals:** EMC/ADR/GGVS

O.E.M. names and numbers are used for reference purposes only.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
172019 LED Work Lamp			
	**Voltage:** 12-24 **Watt:** 40 **Lumen:** 4000	**Dim.:** 145x120x49 mm	**Material/house:** Aluminium **Model:** 12 LED **Tightness norm:** IP 69K **Approvals:** EMC/ADR/GGVS
172020 LED Work Lamp			
	**Voltage:** 12-24 **Watt:** 40 **Lumen:** 4000	**Dim.:** 145x120x49 mm	**Material/house:** Aluminium **Model:** 12 LED **Magnet base:** w/ **Tightness norm:** IP 69K **Approvals:** EMC/ADR/GGVS
172031 LED Work Lamp			
	Voltage: 10-80 **Watt:** 24 **Kelvin:** 6000 **Lumen:** 1920	**Dim.:** 140x95x70 mm **Cable length:** 400 mm	**Bulb type:** 8 LED **Material/dome:** Acrylic **Material/house:** Cast aluminum **Shape:** Oval **2 poles:** w/ **Tightness norm:** IP 69K **Approvals:** CE
172032 LED Work Lamp			
	Voltage: 10-80 **Watt:** 36 **Kelvin:** 6000 **Lumen:** 2880	**Dim.:** 140x95x70 mm **Cable length:** 400 mm	**Bulb type:** 12 LED **Material/dome:** Acrylic **Material/house:** Cast aluminum **Shape:** Oval **2 poles:** w/ **Tightness norm:** IP 69K **Approvals:** CE
172045 LED Work Lamp			
	**Voltage:** 10-80 **Watt:** 65 **Kelvin:** 6000 **Lumen:** 5850	**Dim.:** 165x142x94.5 mm	**Bulb type:** 13 LED **Colour:** Black **Material/ bracket:** Stainless steel **Material/dome:** Polycarbonate **Material/house:** Aluminium **Shape:** Oval **2 poles:** w/ **Tightness norm:** IP 69K **Approvals:** CE
172046 LED Work Lamp			
	**Voltage:** 10-80 **Watt:** 65 **Kelvin:** 6000 **Lumen:** 5850	**Dim.:** 165x142x94.5 mm	**Bulb type:** 13 LED **Colour:** Black **Material/ bracket:** Stainless steel **Material/dome:** Polycarbonate **Material/house:** Aluminium **Shape:** Oval **2 poles:** w/ **Tightness norm:** IP 69K **Approvals:** CE

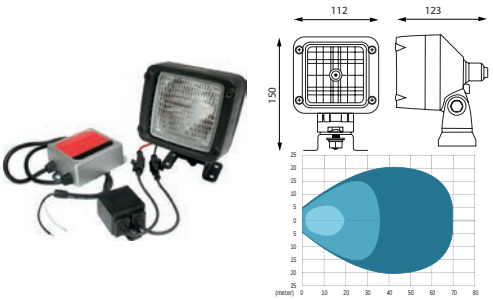
O.E.M. names and numbers are used for reference purposes only.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
172055 LED Work Lamp			
NEW PRODUCT www.hc-cargo.com	**Voltage:** 10-80 **Amp:** 0.83/0.42 **Watt:** 10 **Kelvin:** 6000 **Lumen:** 900	**Cable length:** 500 mm	**Bulb type:** LED **Material/ bracket:** Stainless steel **Material/dome:** Polycarbonate **Material/house:** Cast aluminum **Mount. bracket:** U-bracket w/ 1 bolt **2 poles:** w/ **Tightness norm:** IP 69K **Approvals:** CE
172056 LED Work Lamp			
NEW PRODUCT www.hc-cargo.com	**Voltage:** 10-80 **Amp:** 0.83/0.42 **Watt:** 10 **Kelvin:** 6000 **Lumen:** 900	**Cable length:** 500 mm	**Bulb type:** LED **Material/ bracket:** Stainless steel **Material/dome:** Polycarbonate **Material/house:** Cast aluminum **Mount. bracket:** U-bracket w/ 1 bolt **2 poles:** w/ **Tightness norm:** IP 69K **Approvals:** CE

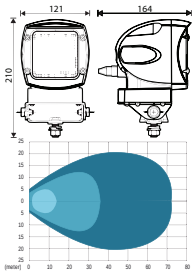
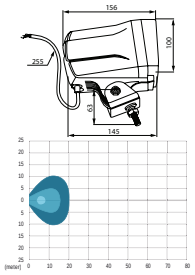
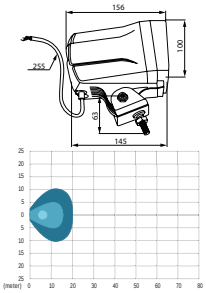
ACCESSORIES

172005 Bracket	**Servicing:** HC-CARGO 171955, 172003, 172004		
		Dim.: 59x37 mm **Mount. hole size:** 24 mm	**Material:** Plastic Standard ISO A - Rod
172008 Handle for LED Work Lamp	**Servicing:** HC-CARGO: 171948, 171949, 171950, 171951, 172001		
			Colour: Black **Material/ bracket:** Aluminium **Mount. bracket:** 2 screws

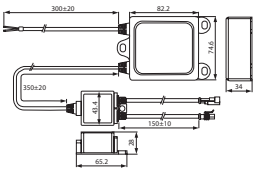
WORK LAMPS HID

171594 HID Work Lamp			
Bulb: HC-CARGO 171595.			
	**Bulb incl.:** Yes **Voltage:** 12	**Dim.:** 112x150x123 mm **Light aperture:** 73x73 mm	**Bulb type:** H3 **Colour:** Black **Material/dome:** Glass **Material/house:** Shockproof plastic **Shape:** Square **Switch:** w/o **Ballast:** External **Mount. bracket:** Mounting bracket **Magnet base:** w/o **Handle:** w/o **2 poles:** w/ **Tightness norm:** IP 65
171611 HID Work Lamp			
Bulb: HC-CARGO 171595.			
	Bulb incl.: Yes **Voltage:** 24	**Dim.:** 112x150x123 mm **Light aperture:** 73x73 mm	**Bulb type:** H3 **Colour:** Black **Material/dome:** Glass **Material/house:** Shockproof plastic **Model:** HID **Shape:** Square **Switch:** w/o **Ballast:** External **Mount. bracket:** Mounting bracket **Magnet base:** w/o **Handle:** w/o **2 poles:** w/ **Tightness norm:** IP 65

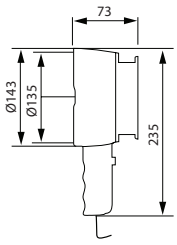
O.E.M. names and numbers are used for reference purposes only.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
171615 HID Work Lamp			
	**Bulb incl.:** Yes **Voltage:** 12 **Watt:** 35	**Dim.:** 210x164x121 mm **Light aperture:** 73x73 mm	**Bulb type:** D1S **Socket type:** PK32d-2 **Colour:** Black **Material/dome:** Glass **Material/house:** Shockproof plastic **Reflector system:** Single **Shape:** Square **Switch:** w/o **Mount. bracket:** Mounting bracket **Magnet base:** w/o **Handle:** w/o **Tightness norm:** IP 65
171625 HID Work Lamp			
	**Bulb incl.:** Yes **Voltage:** 12 **Watt:** 35	**Dim.:** 156x100 mm **Light aperture:** 75 mm	**Bulb type:** D2S **Socket type:** PK32d-2 **Colour:** Black **Material/dome:** Glass **Material/house:** Aluminium **Reflector system:** Single **Shape:** Square **Switch:** w/o **Mount. bracket:** U-bracket w/ 1 bolt **Magnet base:** w/o **Handle:** w/o **2 poles:** w/o
171626 HID Work Lamp			
	**Bulb incl.:** Yes **Voltage:** 24 **Watt:** 35	**Dim.:** 156x100 mm **Light aperture:** 75 mm	**Bulb type:** D2S **Socket type:** PK32d-3 **Colour:** Black **Material/dome:** Glass **Material/house:** Aluminium **Reflector system:** Single **Shape:** Square **Mount.:** Single bolt fixing **Switch:** w/o **Mount. bracket:** Mounting bracket **Magnet base:** w/o **Handle:** w/o **2 poles:** w/o

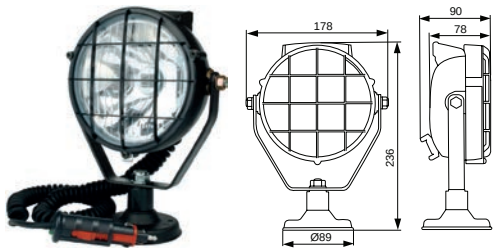
SPARE PARTS

171595 Xenon Bulb	**Servicing:** HC-CARGO 171594		
			Bulb type: Xenon, H3
171612 Ballast	**Servicing:** HC-CARGO 171611		
	**Voltage:** 24		**Model:** HID

SPOT LIGHTS

170293 Spot Light			
Hand-held.			
	**Bulb incl.:** Yes **Voltage:** 12 **Watt:** 55	**Dim.:** 235x73 mm **Cable length:** 6000 mm **Connection cable:** w/ **Light aperture:** 120 mm	**Type:** Halogen **Bulb type:** H3 **Socket type:** PK22s **Colour:** Black **Material/house:** Shockproof plastic **Shape:** Round **Switch:** w/ **Protective cover:** w/ **Lighter plug incl.:** Yes **Connection cable:** w/

O.E.M. names and numbers are used for reference purposes only.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
170564 Spot Light			
	Bulb incl.: No	**Dim.:** 226x77 mm **Light aperture:** 131 mm	**Bulb type:** H3 **Socket type:** PK22s **Inclination/sideways:** Yes **Colour:** Black **Material/dome:** Glass **Material/house:** Shockproof plastic **Switch:** w/ **Grill:** w/ **Handle:** w/
171375 Spot Light			
	**Bulb incl.:** No	**Dim.:** 178x236x90 mm **Coiled cable:** 2000 mm **Light aperture:** 130 mm	**Bulb type:** H3 **Socket type:** PK22s **Colour:** Black **Material/dome:** Glass **Material/house:** Metal **Shape:** Round **Switch:** w/ **Mount. bracket:** Mounting bracket **Grill:** w/ **Magnet base:** w/ **Lighter plug incl.:** Yes **Handle:** w/ **Coiled cable incl.:** Yes
171464 Spot Light			
Remote controlled by EU approved radio controller. Frequency 433.92 MHZ. Reach up to 100 m. Incl. 9 V battery. Battery: HC-CARGO 200742, 200769.			
	Bulb incl.: Yes **Voltage:** 12 **Watt:** 55	**OD:** 135 mm **Height:** 250 mm **Width:** 135 mm	**Bulb type:** H1 **Lens type:** Polycarbonate **Mount.:** Standard ISO A - Rod **Base:** Rigid **Hi impact:** Yes **Tightness norm:** IP 55 **Approval:** CE
171466 Spot Light			
Remote controlled by EU approved radio controller. Frequency 433.92 MHZ. Reach up to 100 m. Incl. 9 V battery. Battery: HC-CARGO 200742, 200769.			
	Bulb incl.: Yes **Voltage:** 12 **Watt:** 55	**OD:** 160 mm **Height:** 194 mm **Width:** 165 mm	**Bulb type:** H1 **Lens type:** Polycarbonate **Mount.:** Standard ISO B2 (and B1) - Base **Hi impact:** Yes **Tightness norm:** IP 55

ACCESSORIES

170653 Beacon Socket	**Servicing:** HC-CARGO 170650, 170651, 171466		
		Cable length: 2000 mm **Height:** 30 mm **Width:** 168 mm	**Mount.:** 3 magnets **Base:** Magnetic **Coiled cable incl.:** Yes **Tightness norm:** IP 55 **E-approval:** Yes
171936 Magnetic base for Lamps	**Servicing:** HC-CARGO 170534		
		Coiled cable: 2000 mm	**Colour:** Black **Mount.:** Magnetic **Mount. bracket:** U-bracket w/ 2 holes **Magnet base:** w/ **Lighter plug incl.:** Yes **Coiled cable incl.:** Yes

O.E.M. names and numbers are used for reference purposes only.

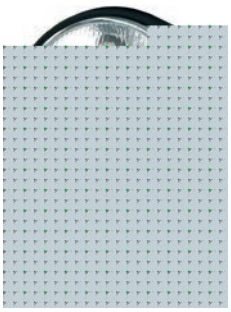
	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

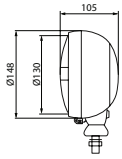
FORWARD LIGHTING

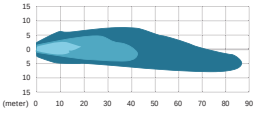
TRACTOR HEAD LAMPS

170132 Head Lamp

Light unit: HC-CARGO 170239.







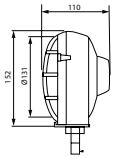
Bulb incl.: No
Watt: 45/40
Watt 2: 55/50
Watt 3: 4

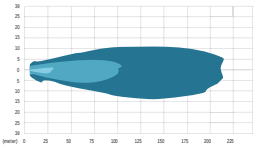
Dim.: 148x105 mm
Light aperture: 130 mm

Socket type 1: P45t
Socket type 2: P45t
Socket type 3: BA9s
Colour: Black
Material: Metal
Material/dome: Glass
Shape: Round
Mount.: 1 bolt
Sidemarker: w/
Grill: w/o
Asymmetric light: w/
RH/LH: LH
E-approval: Yes

170310 Head Lamp

For upright fixing.





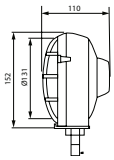
Bulb incl.: No
Watt: 45/40
Watt 2: 55/50
Watt 3: 4

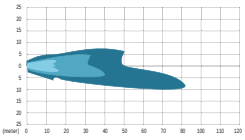
Dim.: 152x110 mm
Light aperture: 131 mm

Bulb type 1: H4
Bulb type 2: H4
Socket type 1: P45t
Socket type 2: P45t
Socket type 3: BA9s
Colour: Black
Material: Plastic
Material/dome: Glass
Shape: Round
Mount.: 1 bolt
Sidemarker: w/
Grill: w/
Asymmetric light: w/
RH/LH: LH
E-approval: Yes

170311 Head Lamp

Horizontal fixing.





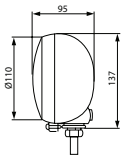
Bulb incl.: No
Watt 1: 45/40
Watt 2: 55/50
Watt 3: 4

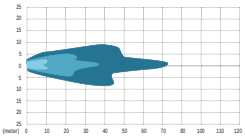
Dim.: 152x110 mm
Light aperture: 131 mm

Bulb type 1: H4
Bulb type 2: H4
Socket type 1: P45t
Socket type 2: P45t
Socket type 3: BA9s
Colour: Black
Material: Plastic
Material/dome: Glass
Shape: Round
Mount.: 1 bolt
Sidemarker: w/
Grill: w/
Asymmetric light: w/
RH/LH: LH
E-approval: Yes

170843 Head Lamp

Light unit: HC-CARGO 170844.



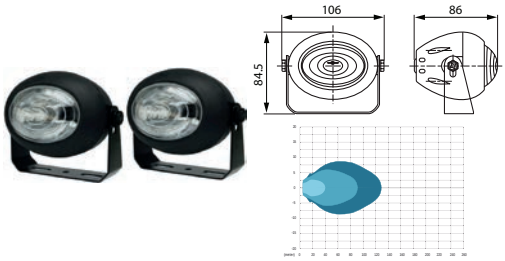
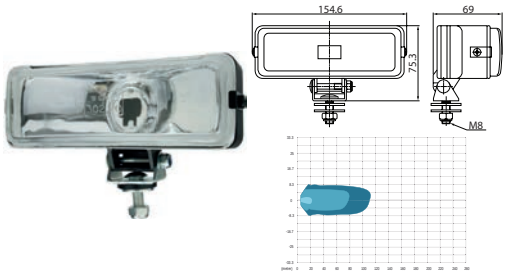
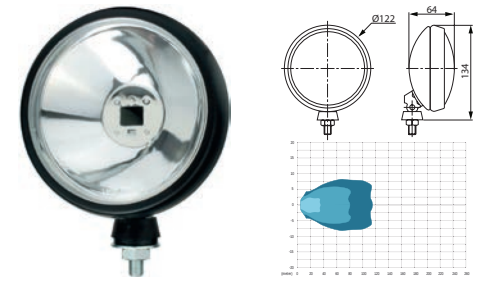
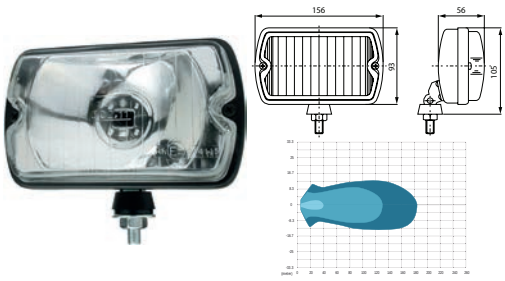
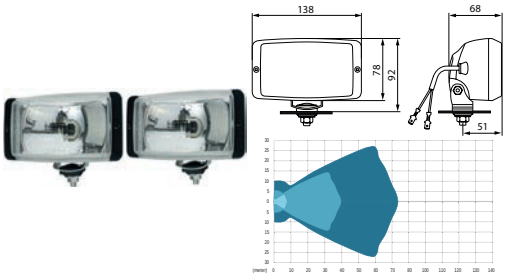


Bulb incl.: No
Watt 1: 45/40
Watt 2: 55/50
Watt 3: 4

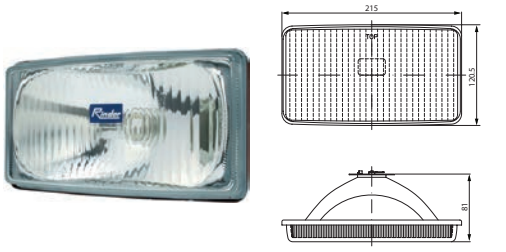
Dim.: 137x95 mm
Light aperture: 110 mm

Socket type 1: BA20d
Socket type 2: BA20d
Socket type 3: BA9s
Colour: Black
Material: Metal
Material/dome: Glass
Shape: Round
Mount.: 1 bolt
Sidemarker: w/
Grill: w/o
Asymmetric light: w/o
RH/LH: RH/LH
E-approval: Yes

O.E.M. names and numbers are used for reference purposes only.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
171359 Driving Lamp			
	**Bulb incl.:** No **Watt 1:** 55 **Watt 2:** 70	**Dim.:** 106x84.5x86 mm **Light aperture:** 55x35 mm	**Type:** Driving lamp **Bulb type 1:** H3 **Bulb type 2:** H3 **Socket type 1:** PK22s **Socket type 2:** PK22s **Material:** Shockproof plastic **Material/dome:** Glass **Shape:** Oval **Mount.:** U-bracket w/ 2 holes **Asymmetric light:** w/o **E-approval:** No
171361 Driving Lamp			
	**Bulb incl.:** No **Watt 1:** 55 **Watt 2:** 70	**Dim.:** 154.6x75.3x69 mm **Light aperture:** 130x35 mm	**Type:** Driving lamp **Bulb type 1:** H3 **Bulb type 2:** H3 **Socket type 1:** PK22s **Socket type 2:** PK22s **Material:** Shockproof plastic **Material/dome:** Glass **Shape:** Rectangular **Mount.:** U-bracket w/ 1 bolt **E-approval:** No
171363 Driving Lamp			
	**Bulb incl.:** No **Voltage:** 12/24 **Watt 1:** 55 **Watt 2:** 70	**Dim.:** 122x134x64 mm **Light aperture:** 95 mm	**Type:** Driving lamp **Bulb type 1:** H3 **Bulb type 2:** H3 **Socket type 1:** PK22s **Socket type 2:** PK22s **Colour:** Black **Material:** Metal **Material/dome:** Glass **Shape:** Round **Mount.:** Mounted below **E-approval:** No
171365 Driving Lamp			
	**Bulb incl.:** No **Watt 1:** 55 **Watt 2:** 70	**Dim.:** 156x105x56 mm **Light aperture:** 110x75 mm	**Type:** Driving lamp **Bulb type 1:** H3 **Bulb type 2:** H3 **Socket type 1:** PK22s **Socket type 2:** PK22s **Colour:** Black **Material:** Metal **Material/dome:** Glass **Shape:** Rectangular **Mount.:** Mounted below **E-approval:** Yes
171451 Set of Driving Lamps			
	**Bulb incl.:** Yes **Voltage:** 12 **Watt:** 55	**Dim.:** 138x78x68 mm **Light aperture:** 110x60 mm	**Type:** Driving lamp **Bulb type:** H3 **Socket type:** PK22s **Material:** Shockproof plastic **Material/dome:** Glass **Shape:** Rectangular **Mount.:** 1 bolt **Bracket:** Pendant **E-approval:** Yes

SPARE PARTS

170621 Light Unit	**Servicing:** HC-CARGO 170550		
	**Bulb incl.:** No **Watt:** 55 **Watt 2:** 70	**Dim.:** 215x120.5x81 mm **Light aperture:** 200x107 mm	**Bulb type 1:** H3 **Bulb type 2:** H3 **Socket type:** PK22s **Socket type 2:** PK22s **Colour:** Black **Material:** Metal **Material/dome:** Glass **Shape:** Rectangular **Asymmetric light:** w/o **E-approval:** Yes

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	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

DRIVING LAMP LED

172059 LED Driving Lamp

NEW PRODUCT
www.hc-cargo.com

Voltage: 10-30
Watt: 60

Dim.: 222x177.8x79 mm

Type: LED Driving lamp
Material: Cast aluminum
Material/dome: Polycarbonate
Shape: Round
Tightness norm: IP 67
Approvals: CE
E-approval: Yes

172060 LED Driving Lamp

NEW PRODUCT
www.hc-cargo.com

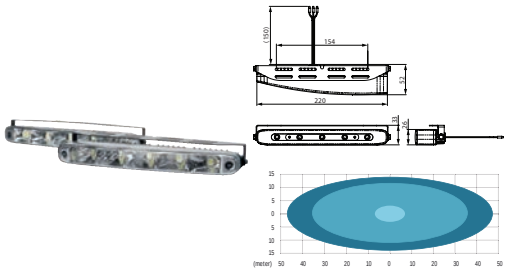
Voltage: 9-36
Watt: 18

Dim.:
246.5x237x95.9 mm
Cable length: 300 mm

Type: LED Driving lamp
Material: Aluminium
Material/dome: Polycarbonate
Shape: Round
Tightness norm: IP 69K
Approvals: CE
E-approval: Yes

LED DAYTIME RUNNING LIGHT SETS

171740 Daytime Running Light



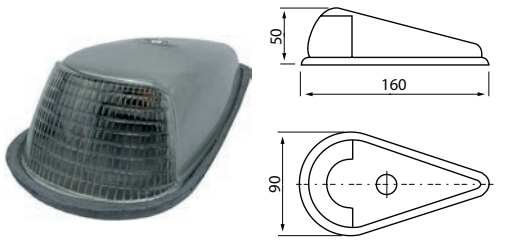
Voltage: 12/24
Watt: 2x5

Dim.: 220x33x26 mm
Cable length: 500 mm
Dist. mount. holes:
215 mm

Type: LED
Material: ABS plastic
Material/dome: PMMA
Shape: Rectangular
Mount.: Bracket
Bracket: Adjustable
No./lamps: 2
Fixing screw: 4
No./LEDs: 2x5
E-approval: Yes

POSITION LAMPS CONVENTIONAL

170875 Position Lamp



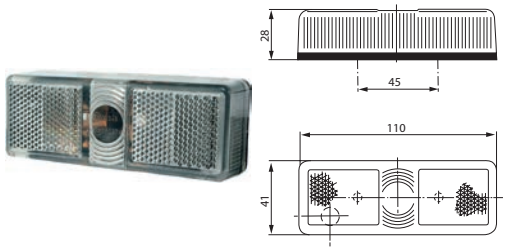
Voltage: 12/24
Watt: 5

Dim.: 160x59x45 mm
Dist. mount. holes:
57 mm

Colour/glass: White
Material: Plastic
Fixing screw: 2

170881 Position Lamp

Lens: HC-CARGO 170976.



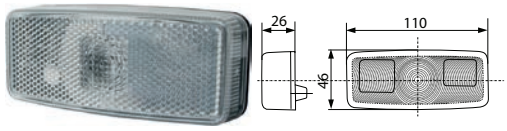
Watt: 5

Dim.: 110x41x28 mm
Dist. mount. holes:
45 mm

Socket type: S8.5
Colour/glass: White
Material: Shockproof plastic
Shape: Rectangular
Reflector: w/
Fixing screw: 2
Sidemarker lamp: w/
Tail light: w/
E-approval: Yes

170887 Position Lamp

Lens: HC-CARGO 170952.

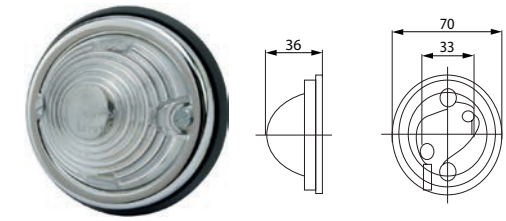
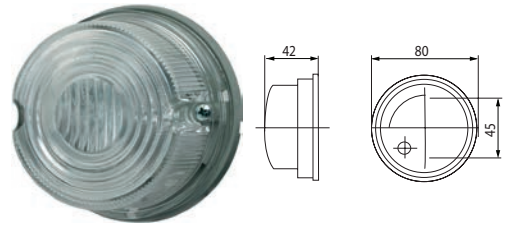
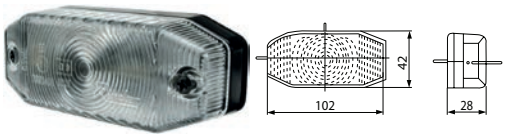
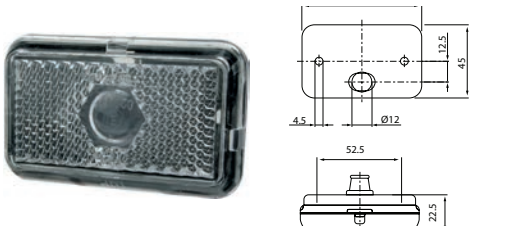


Watt: 5

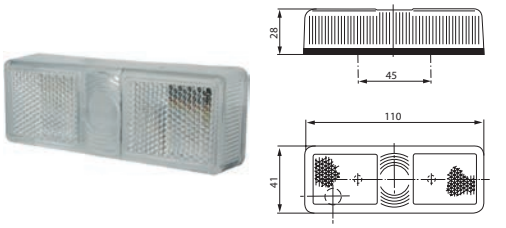
Dim.: 110x46x26 mm
Dist. mount. holes:
85 mm

Socket type: T10
Colour/glass: White
Material: Shockproof plastic
Shape: Rectangular
Reflector: w/
Fixing screw: 2
Sidemarker lamp: w/
Tail light: w/
E-approval: Yes

O.E.M. names and numbers are used for reference purposes only.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
171171 Position Lamp *Lens: HC-CARGO 171238.*			
	Watt: 5	**Dim.:** 62x62x45 mm **Dist. mount. holes:** 30 mm	**Socket type:** S8.5 **Colour:** Black **Colour/glass:** Transparent **Material:** Shockproof plastic **Fixing screw:** 2 **E-approval:** Yes
171179 Position Lamp			
	**Watt:** 5	**Dim.:** 70x36 mm **Dist. mount. holes:** 33 mm	**Type:** Position lamp **Socket type:** S8.5 **Colour/glass:** White **Material:** Steel **Shape:** Circular **Fixing screw:** 2 **E-approval:** Yes
171182 Position Lamp			
	**Watt:** 5	**Dim.:** 80x42 mm **Dist. mount. holes:** 45 mm	Position lamp**Socket type:** S8.5 **Colour/glass:** White **Material:** Shockproof plastic **Shape:** Circular **Fixing screw:** 2 **E-approval:** Yes
171332 Position Lamp			
	**Watt:** 5	**Dim.:** 102x42x28 mm **Dist. mount. holes:** 65 mm	**Socket type:** S8.5 **Colour:** Black **Colour/glass:** White **Material:** Plastic **Fixing screw:** 2 **E-approval:** Yes
171493 Position Lamp			
	**Watt:** 5	**Dim.:** 74x45x22.5 mm **Dist. mount. holes:** 52 mm	**Socket type:** S8.5 **Colour:** Black **Colour/glass:** White **Material:** Plastic **Shape:** Rectangular **Reflector:** w/ **Fixing screw:** 2 **E-approval:** Yes

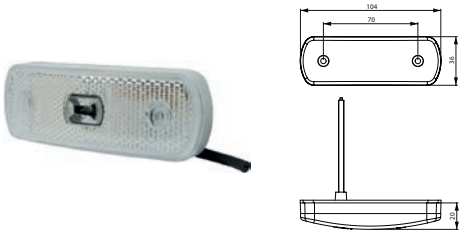
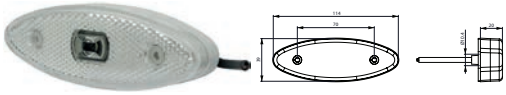
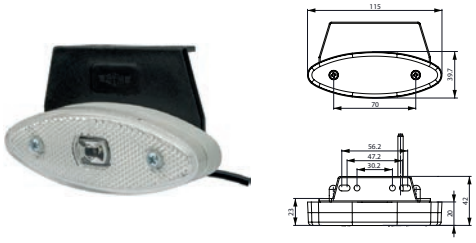
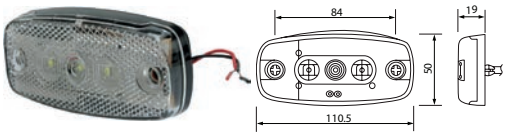
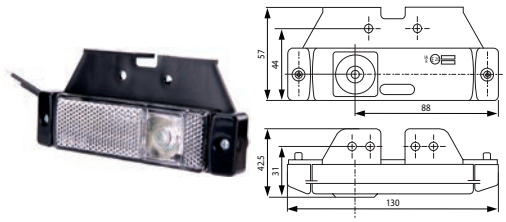
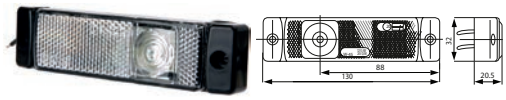
SPARE PARTS

170952 Lens	**Servicing:** HC-CARGO 170887		
		Dim.: 110x46x26 mm	**Shape:** Rectangular
170976 Lens	**Servicing:** HC-CARGO 170881		
		**Dim.:** 110x41x28 mm	**Shape:** Rectangular

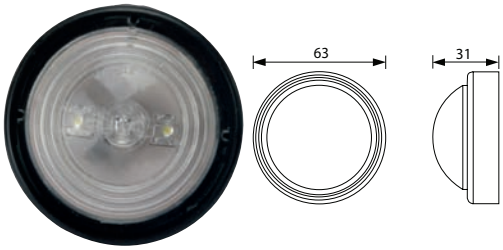
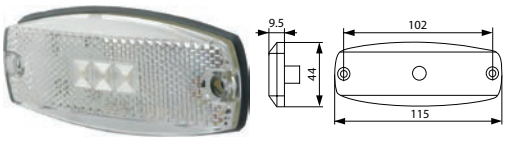
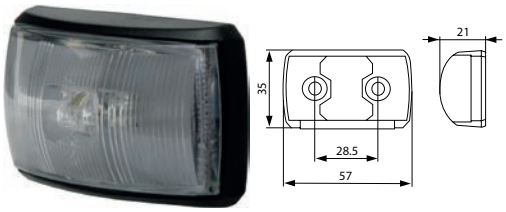
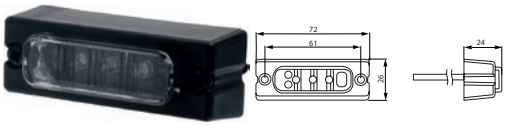
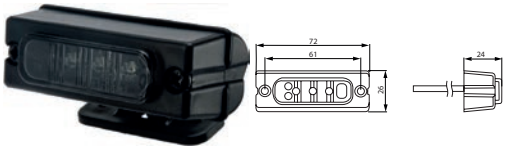
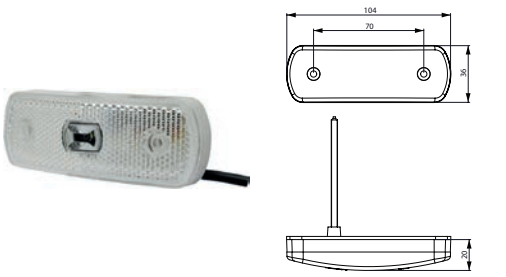
O.E.M. names and numbers are used for reference purposes only.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
171242 Lens	**Servicing:** HC-CARGO 171174		
		Dim.: 62x62x46 mm	**Shape:** Square

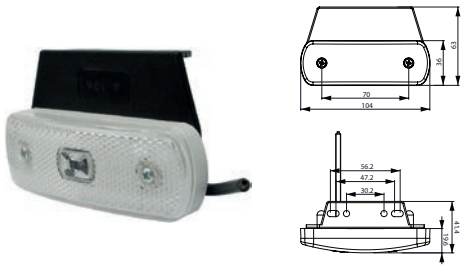
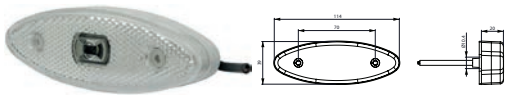
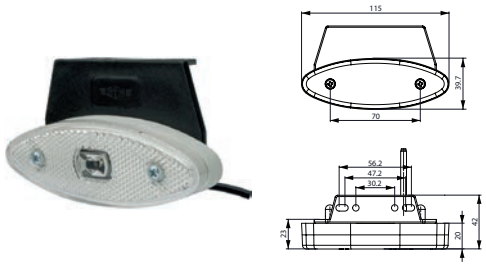
POSITION LAMPS LED

171603 LED Position Lamp			
	**Voltage:** 24 **Watt:** 1.02	**Dim.:** 104x36x20 mm **Cable length:** 500 mm **Dist. mount. holes:** 70 mm	**Type:** LED **Colour/glass:** White **Material:** Shockproof plastic **Shape:** Rectangular **Reflector:** w/ **Fixing screw:** 2 **Sidemarker:** w/ **No./LEDs:** 1 **Approvals:** ADR **E-approval:** Yes
171609 LED Position Lamp			
	**Voltage:** 24 **Watt:** 0.44	**Dim.:** 114x39x20 mm **Cable length:** 500 mm **Dist. mount. holes:** 70 mm	**Type:** LED **Colour/glass:** White **Material:** Shockproof plastic **Reflector:** w/ **Fixing screw:** 2 **Sidemarker:** w/ **No./LEDs:** 1 **E-approval:** Yes
171610 LED Position Lamp			
	**Voltage:** 24 **Watt:** 0.44	**Dim.:** 115x39.7x20 mm **Cable length:** 500 mm **Dist. mount. holes:** 52 mm	**Type:** LED **Colour/glass:** White **Material:** Shockproof plastic **Shape:** Oval **Bracket:** Angled **Reflector:** w/ **Fixing screw:** 2 **Sidemarker:** w/ **No./LEDs:** 1 **E-approval:** Yes
171638 LED Position Lamp			
	**Voltage:** 9-36 **Watt:** 0.9	**Dist. mount. holes:** 83 mm	**Type:** LED **Colour/glass:** White **Reflector:** w/ **Sidemarker:** w/ **No./LEDs:** 3 **Approvals:** ADR **E-approval:** Yes
171717 LED Position Lamp			
	**Voltage:** 12/24 **Watt:** 0.4/0.8	**Dim.:** 130x57x42.5 mm	**Type:** LED **Socket type:** LED **Colour/glass:** White **Material:** Shockproof plastic **Bracket:** Angled **Reflector:** w/ **Sidemarker:** w/ **No./LEDs:** 1 **E-approval:** Yes
171718 LED Position Lamp			
	**Voltage:** 12/24 **Watt:** 0.4/0.8	**Dim.:** 130x32x20.5 mm	**Type:** LED **Socket type:** LED **Colour/glass:** White **Material:** Shockproof plastic **Reflector:** w/ **Sidemarker:** w/ **No./LEDs:** 1 **E-approval:** Yes

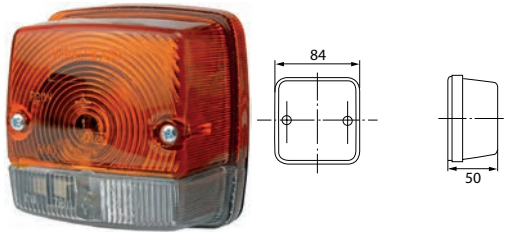
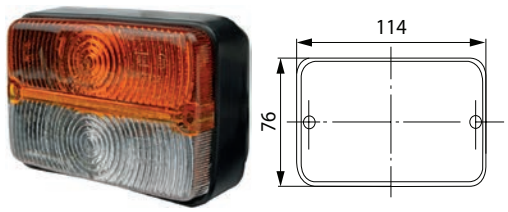
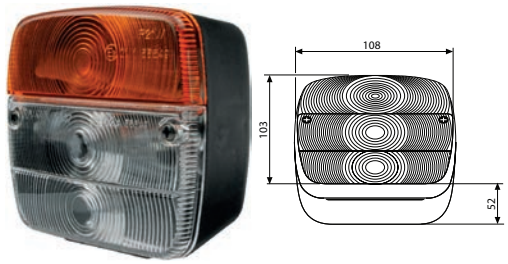
O.E.M. names and numbers are used for reference purposes only.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
171744 LED Position Lamp			
	**Voltage:** 9-36	**Dim.:** 63x31 mm **OD:** 63 mm **Cable length:** 300 mm **Dist. mount. holes:** 30 mm	**Type:** LED **Colour:** Black **Colour/glass:** Transparent **Material:** PVC **Material/dome:** PMMA **Shape:** Round **Mount.:** 2 screws **Sidemarker:** w/ **No./LEDs:** 3 **Approvals:** ADR/SAE **E-approval:** Yes
171841 LED Position Lamp			
	**Voltage:** 12/24 **Watt:** 0.45-1.6	**Dim.:** 115x44x9.5 mm **Cable length:** 5000 mm **Dist. mount. holes:** 102 mm	**Type:** LED **Colour:** White **Colour/glass:** White **Material:** Polycarbonate **Material/dome:** Polycarbonate **Shape:** Rectangular **Mount.:** 2 screws **Reflector:** w/ **Sidemarker:** w/ **No./LEDs:** 3 **Tightness norm:** IP 67 **Approvals:** SAE **E-approval:** Yes
171844 LED Position Lamp			
	**Voltage:** 12/24	**Dim.:** 57x35x21 mm **Cable length:** 400 mm **Dist. mount. holes:** 28 mm	**Type:** LED **Colour:** Black **Colour/glass:** White **Shape:** Rectangular **Fixing screw:** 2 **Sidemarker:** w/ **No./LEDs:** 2 **Tightness norm:** IP 67 **E-approval:** Yes
171862 LED Position Lamp			
	**Voltage:** 12/24 **Watt:** 0.3-0.6	**Dim.:** 72x26x24 mm **Cable length:** 5000 mm **Dist. mount. holes:** 61 mm	**Type:** LED **Colour:** Black **Colour/glass:** White **Material:** PP **Material/dome:** PMMA **Shape:** Rectangular **Sidemarker:** w/ **No./LEDs:** 3 **Approvals:** CE **E-approval:** Yes
171868 LED Position Lamp			
	**Voltage:** 12/24 **Watt:** 0.3-0.6	**Dim.:** 72x26x24 mm **Cable length:** 5000 mm **Dist. mount. holes:** 61 mm	**Type:** LED **Colour:** Black **Colour/glass:** White **Material:** PP **Material/dome:** PMMA **Shape:** Rectangular **Bracket:** Adjustable **Sidemarker lamp:** w/ **No./LEDs:** 3 **Approvals:** CE **E-approval:** Yes
172038 LED Position Lamp			
	**Voltage:** 12/24 **Watt:** 0.49	**Dim.:** 104x36x20 mm **Cable length:** 500 mm **Dist. mount. holes:** 70 mm	**Type:** LED **Colour/glass:** White **Material:** Shockproof plastic **Shape:** Rectangular **Reflector:** w/ **Fixing screw:** 2 **Sidemarker:** w/ **No./LEDs:** 1 **E-approval:** Yes

O.E.M. names and numbers are used for reference purposes only.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
172039 LED Position Lamp			
	**Voltage:** 12/24 **Watt:** 0.49	**Dim.:** 104 x 36 x 19.6 mm **Cable length:** 500 mm **Dist. mount. holes:** 52 mm	**Type:** LED **Colour/glass:** White **Material:** Shockproof plastic **Bracket:** Angled **Reflector:** w/ **Fixing screw:** 2 **Sidemarker:** w/ **No./LEDs:** 1 **E-approval:** Yes
172043 LED Position Lamp			
	**Voltage:** 12/24 **Watt:** 0.44	**Dim.:** 114x39x20 mm **Cable length:** 500 mm **Dist. mount. holes:** 70 mm	**Type:** LED **Colour/glass:** White **Material:** Shockproof plastic **Reflector:** w/ **Fixing screw:** 2 **Sidemarker:** w/ **No./LEDs:** 1 **E-approval:** Yes
172044 LED Position Lamp			
	**Voltage:** 12/24 **Watt:** 0.44	**Dim.:** 115x39.7x20 mm **Cable length:** 500 mm **Dist. mount. holes:** 52 mm	**Type:** LED **Colour/glass:** White **Material:** Shockproof plastic **Shape:** Oval **Bracket:** Angled **Reflector:** w/ **Fixing screw:** 2 **Sidemarker:** w/ **No./LEDs:** 1 **E-approval:** Yes

FLASHER-POSITION LAMPS CONVENTIONAL

170925 Flasher/Position Lamp			
	**Watt 1:** 21 **Watt 2:** 5	**Dim.:** 84x50 mm **Dist. mount. holes:** 45 mm	**Socket type 1:** BA15S **Socket type 2:** S8.5 **Material:** Shockproof plastic **Shape:** Square **Fixing screw:** 2 **RH/LH:** RH/LH **E-approval:** Yes
170927 Flasher/Position Lamp			
Lens: HC-CARGO 170989.			
	**Watt 1:** 21 **Watt 2:** 5	**Dim.:** 114x76 mm **Dist. mount. holes:** 58 mm	**Socket type 1:** BA15S **Socket type 2:** BA15S **Material:** Shockproof plastic **Shape:** Rectangular **Fixing screw:** 2 **RH/LH:** RH/LH **E-approval:** Yes
170941 Flasher/Position Lamp	**Servicing:** HC-CARGO 170828		
Lens: HC-CARGO 170834.			
	**Watt 1:** 21 **Watt 2:** 5	**Dim.:** 108x103x52 mm **Dist. mount. holes:** 55 mm	**Socket type 1:** BA15S **Socket type 2:** S8.5 **Material:** Shockproof plastic **Shape:** Rectangular **Fixing screw:** 2 **Flasher light:** w/ **Sidemarker:** w/ **RH/LH:** RH/LH **E-approval:** Yes

O.E.M. names and numbers are used for reference purposes only.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
171215 Flasher/Position Lamp *Lens: HC-CARGO 171248.*	**Watt 1:** 18 **Watt 2:** 10	**Dim.:** 80x42 mm **Dist. mount. holes:** 45 mm	**Socket type 1:** S8.5 **Socket type 2:** S8.5 **Material:** Metal **Shape:** Circular **Fixing screw:** 2 **RH/LH:** RH/LH **E-approval:** Yes
171217 Flasher/Position Lamp *Right: HC-CARGO 171260.*	**Watt 1:** 21 **Watt 2:** 5	**Dim.:** 158x64x51 mm **Dist. mount. holes:** 98/45 mm	**Socket type 1:** BA15S **Socket type 2:** BA15S **Material:** Shockproof plastic **Shape:** Rectangular **Fixing screw:** 4 **RH/LH:** LH **E-approval:** Yes
171218 Flasher/Position Lamp *Left: HC-CARGO 171217.*	**Watt 1:** 21 **Watt 2:** 5	**Dim.:** 158x64x51 mm **Dist. mount. holes:** 98/45 mm	**Socket type 1:** BA15S **Socket type 2:** BA15S **Material:** Shockproof plastic **Shape:** Rectangular **Fixing screw:** 4 **RH/LH:** RH **E-approval:** Yes
171510 Flasher/Position Lamp	**Watt 1:** 21 **Watt 2:** 5	**Dim.:** 180x60x51.5 mm **Dist. mount. holes:** 134 mm	**Socket type 1:** BA15S **Socket type 2:** BA15S **Material:** Shockproof plastic **Shape:** Rectangular **Fixing screw:** 2 **RH/LH:** RH/LH **E-approval:** Yes

SPARE PARTS

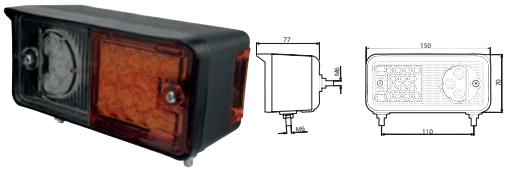
170834 Lens, Rear Lamp	**Servicing:** HC-CARGO 170941	**Dim.:** 108x103x52 mm	**Shape:** Rectangular **Fixing screw:** 2 **Flasher light:** w/ **Sidemarker:** w/
170989 Lens	**Servicing:** HC-CARGO 170927	**Dim.:** 114x76 mm	**Shape:** Rectangular

O.E.M. names and numbers are used for reference purposes only.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

FLASHER-POSITION LAMPS LED

171800 LED Flasher/Positions Lamp

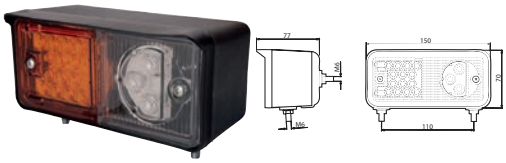


Voltage: 12/24

Dim.: 150x70x77 mm
Cable length: 2100 mm
Dist. mount. holes: 110/55 mm

Colour: Black
Material: Shockproof plastic
Shape: Rectangular
Mount.: Upright/pendant
Fixing screw: 2
No./LEDs: 14/3
RH/LH: LH
E-approval: Yes

171801 LED Flasher/Positions Lamp



Voltage: 12/24

Dim.: 150x70x77 mm
Cable length: 2100 mm
Dist. mount. holes: 110/55 mm

Colour: Black
Material: Shockproof plastic
Shape: Rectangular
Mount.: Upright/pendant
Fixing screw: 2
No./LEDs: 14/3
RH/LH: RH
E-approval: Yes

SIDE INDICATORS CONVENTIONAL

170713 Flasher Lamp

Lens: HC-CARGO 170670, 170671.

Watt: 5

Dim.: 108x84x93 mm
OD: 60 mm

Socket type: BA15S
Colour/glass: Orange
E-approval: Yes

171140 Flasher Lamp

Servicing: Fiat, Ford, Lada, Universal

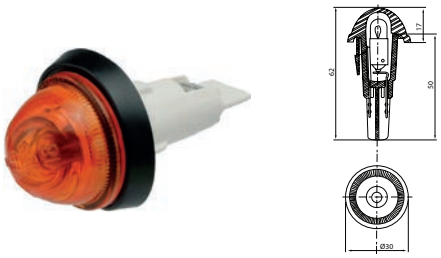
Watt: 4

OD: 27 mm
Dist. mount. holes: 28 mm

Socket type: BA9s
Colour/glass: Orange
E-approval: Yes

171141 Flasher Lamp

Servicing: Fiat 127, 129

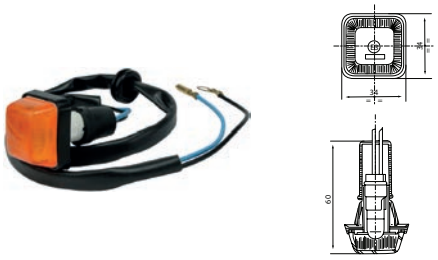


Dim.: 62x50x17 mm

Colour/glass: Orange
E-approval: Yes

171147 Flasher Lamp

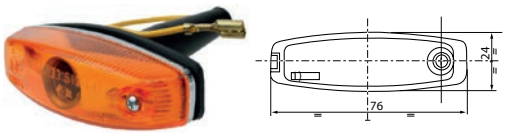
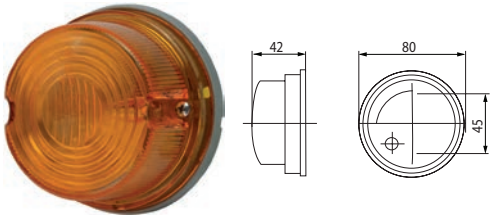
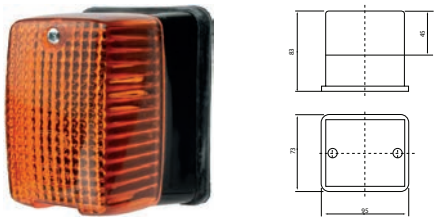
Servicing: Ford, Universal



Dim.: 34x34x60 mm

Colour/glass: Orange
E-approval: Yes

O.E.M. names and numbers are used for reference purposes only.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
171148 Flasher Lamp	**Servicing:** Universal, Ford, Rover Group		
		**Dim.:** 76x24 mm	**Socket type:** BA9s **Colour/glass:** Orange **E-approval:** Yes
171153 Flasher Lamp	**Servicing:** Audi, VW, various types 84		
	Bulb incl.: No **Voltage:** 12 **Watt:** 5	**Dim.:** 110x46x26 mm **Dist. mount. holes:** 86 mm	**Type:** Flasher lamp **Colour:** Orange **Colour/glass:** Orange **Material:** Plastic **Material/dome:** Plastic **Shape:** Flat **Mount.:** Sidemounted **No./lamps:** 1 **Flasher light:** w/ **RH/LH:** RH/LH **E-approval:** Yes
171183 Flasher Lamp			
Lens: HC-CARGO 171247.			
	**Watt:** 5	**Dim.:** 80x42 mm **Dist. mount. holes:** 45 mm	**Socket type:** S8.5 **Colour/glass:** Orange **Material:** Shockproof plastic **Fixing screw:** 2 **E-approval:** Yes
171337 Flasher Lamp			
	**Watt:** 10	**Dim.:** 95x73x83 mm **Dist. mount. holes:** 48 mm	**Socket type:** BA15S **Colour:** Black **Colour/glass:** Orange **Material:** Plastic **Shape:** Rectangular **Fixing screw:** 2 **E-approval:** Yes
171339 Flasher Lamp			
Lens: HC-CARGO 171340.			
	Watt: 21	**Dim.:** 84x84x51 mm **Dist. mount. holes:** 45 mm	**Socket type:** BA15S **Colour/glass:** Orange **Material:** Plastic **Shape:** Rectangular **Fixing screw:** 2 **E-approval:** Yes

SPARE PARTS

170670 Lens	**Servicing:** HC-CARGO 170713		
			Colour/glass: Orange **Material:** Glass
170671 Bulb Holder	**Servicing:** HC-CARGO 170640, 170668, 170713		

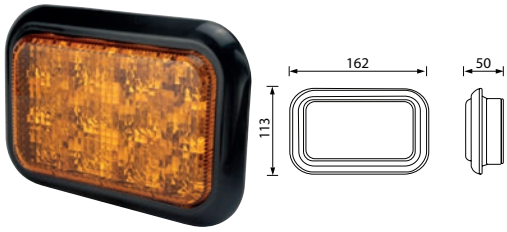
O.E.M. names and numbers are used for reference purposes only.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

SIDE INDICATORS LED

171770 LED Flasher Lamp

Servicing: Fiat, Kia, MAN

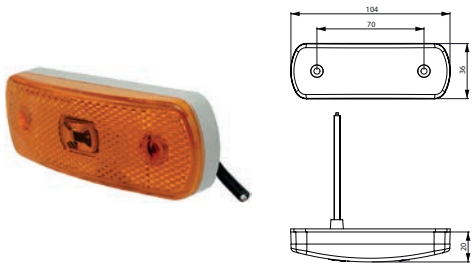


Voltage: 24
Watt: 4

Dim.: 162x113x50 mm

Type: Flasher lamp
Colour/glass: Orange
Material: ABS plastic
Material/dome: PMMA
Shape: Rectangular
Mount.: Plan installation
Flasher light: w/
No./LEDs: 16
RH/LH: RH/LH
E-approval: Yes

172036 LED Side Marker Lamp

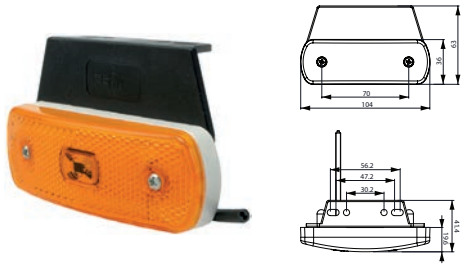


Voltage: 12/24

Dim.: 104x36x20 mm
Cable length: 500 mm
Dist. mount. holes: 70 mm

Type: LED
Colour/glass: Orange
Material: Shockproof plastic
Shape: Rectangular
Reflector: w/
Fixing screw: 2
Sidemarker lamp: w/
No./LEDs: 1
E-approval: Yes

172037 LED Side Marker Lamp

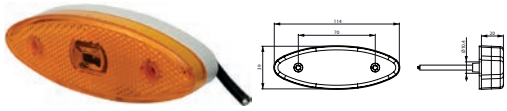


Voltage: 12/24

Dim.: 104x36x19.6 mm
Cable length: 500 mm
Dist. mount. holes: 70 mm

Type: LED
Colour/glass: Orange
Material: Shockproof plastic
Shape: Rectangular
Bracket: Angled
Reflector: w/
Fixing screw: 2
Sidemarker lamp: w/
No./LEDs: 1
E-approval: Yes

172041 LED Side Marker Lamp

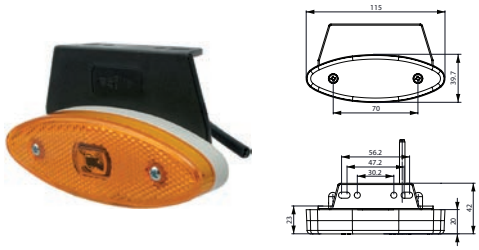


Voltage: 12/24

Dim.: 114x39x20 mm
Cable length: 500 mm
Dist. mount. holes: 70 mm

Type: LED
Colour/glass: Orange
Material: Shockproof plastic
Reflector: w/
Fixing screw: 2
Sidemarker lamp: w/
No./LEDs: 1
E-approval: Yes

172042 LED Side Marker Lamp



Voltage: 12/24

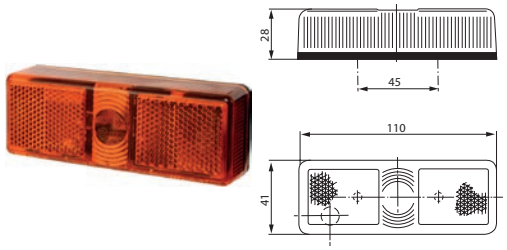
Dim.: 115x39.7x20 mm
Dist. mount. holes: 70 mm

Type: LED
Colour/glass: Orange
Material: Shockproof plastic
Shape: Oval
Bracket: Angled
Reflector: w/
Fixing screw: 2
Sidemarker lamp: w/
No./LEDs: 1
E-approval: Yes

SIDE MARKER LAMPS CONVENTIONAL

170880 Side Marker Lamp

Lens: HC-CARGO 170975.

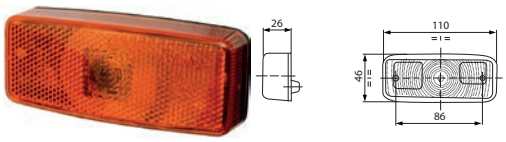
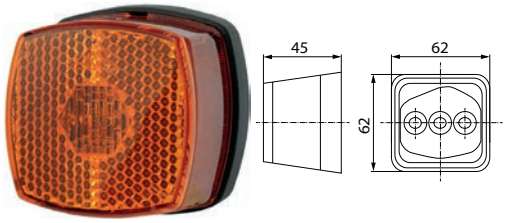
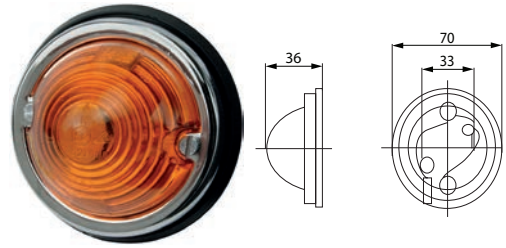
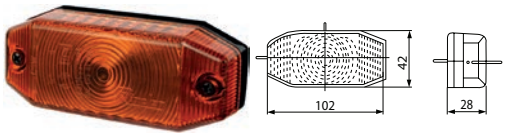


Watt: 5

Dim.: 110x41x28 mm
Dist. mount. holes: 45 mm

Socket type: S8.5
Colour: Black
Colour/glass: Orange
Material: Shockproof plastic
Shape: Rectangular
Reflector: w/
Fixing screw: 2
E-approval: Yes

O.E.M. names and numbers are used for reference purposes only.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
170884 Side Marker Lamp *Lens: HC-CARGO 170946.* 	**Watt:** 5	**Dim.:** 110x46x26 mm **Dist. mount. holes:** 85 mm	**Socket type:** T10 **Colour/glass:** Orange **Material:** Shockproof plastic **Shape:** Rectangular **Reflector:** w/ **Fixing screw:** 2 **E-approval:** Yes
170885 Side Marker Lamp *Lens: HC-CARGO 170946.* 	**Watt:** 5	**Dim.:** 110x46x26 mm **Dist. mount. holes:** 20/50 mm	**Socket type:** T10 **Colour/glass:** Orange **Material:** Shockproof plastic **Shape:** Rectangular **Bracket:** Angled **Reflector:** w/ **E-approval:** Yes
171175 Side Marker Lamp *Lens: HC-CARGO 171243.* 	**Watt:** 5	**Dim.:** 62x62x45 mm **Dist. mount. holes:** 30 mm	**Socket type:** S8.5 **Colour:** Black **Colour/glass:** Orange **Material:** Shockproof plastic **Reflector:** w/ **Fixing screw:** 2 **E-approval:** Yes
171180 Side Marker Lamp 	**Watt:** 5	**Dim.:** 70x36 mm **Dist. mount. holes:** 33 mm	**Type:** Side marker lamp **Socket type:** S8.5 **Colour/glass:** Orange **Material:** Steel **Fixing screw:** 2 **E-approval:** Yes
171343 Side Marker Lamp 	**Watt:** 5	**Dim.:** 74x45x22.5 mm **Dist. mount. holes:** 52 mm	**Socket type:** S8.5 **Colour:** Black **Colour/glass:** Orange **Material:** Plastic **Shape:** Rectangular **Fixing screw:** 2 **E-approval:** Yes
171369 Side Marker Lamp 	**Watt:** 5	**Dim.:** 102x42x28 mm **Dist. mount. holes:** 65 mm	**Socket type:** S8.5 **Colour:** Black **Colour/glass:** Orange **Material:** Plastic **Fixing screw:** 2 **E-approval:** Yes

O.E.M. names and numbers are used for reference purposes only.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

SPARE PARTS

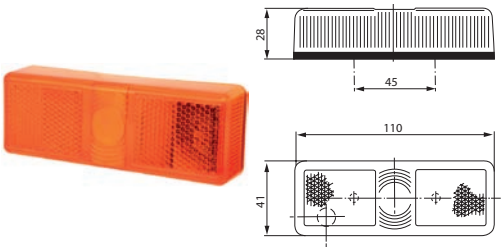
170946 Lens

Servicing: HC-CARGO 170885

Dim.: 110x46 mm

170975 Lens

Servicing: HC-CARGO 170880



Dim.: 110x41x28 mm

ACCESSORIES

171417 Angle Bracket

Long.

Mount hole: 45 mm
Mount. hole 2: 85 mm

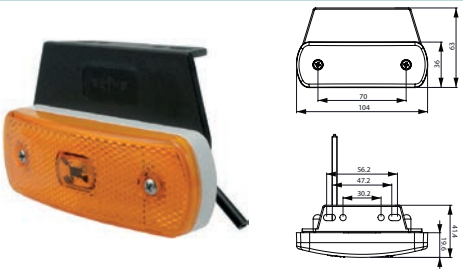
171419 Angle Bracket

Short.

Mount hole: 45 mm
Mount. hole 2: 85 mm

SIDE MARKER LAMPS LED

171602 LED Side Marker Lamp

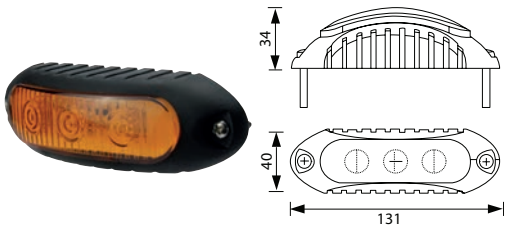


Voltage: 24

Dim.: 104x36x19.6 mm
Cable length: 500 mm
Dist. mount. holes: 70 mm

Type: LED
Colour/glass: Orange
Material: Shockproof plastic
Shape: Rectangular
Bracket: Angled
Reflector: w/
Fixing screw: 2
Sidemarker lamp: w/
No./LEDs: 1
Approvals: ADR
E-approval: Yes

171618 LED Side Marker Lamp

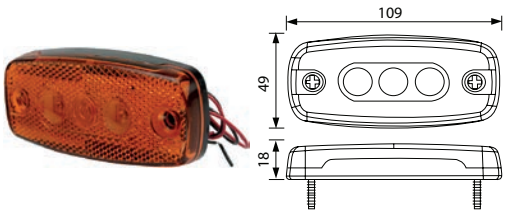
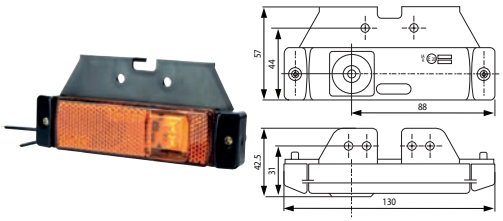
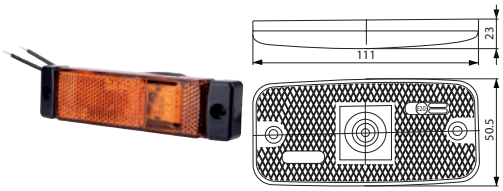
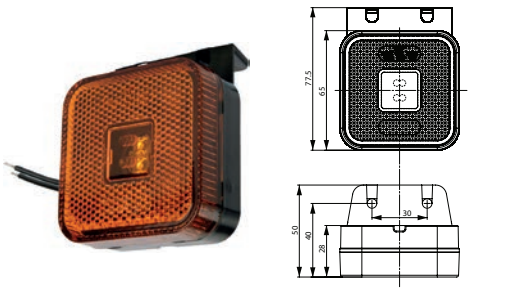
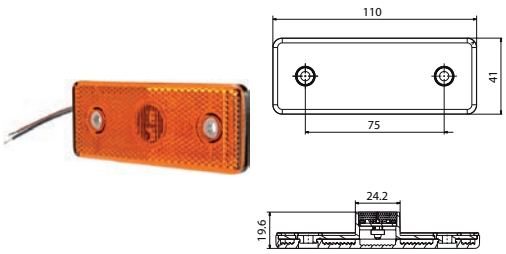
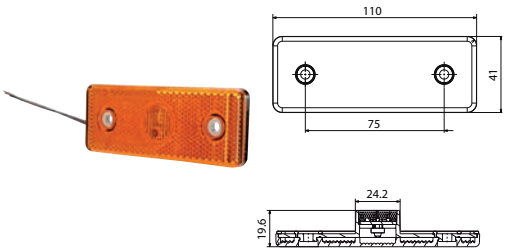


Voltage: 9-36

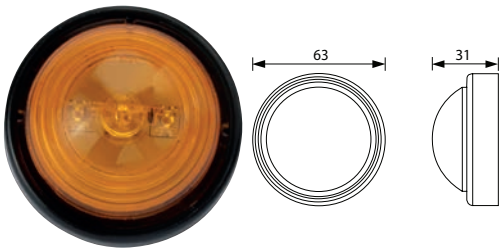
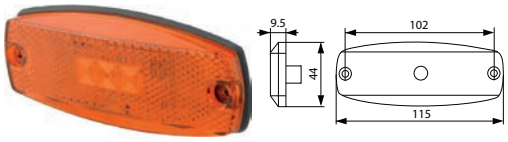
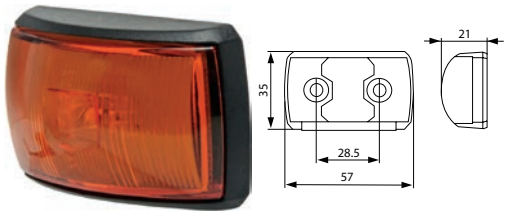
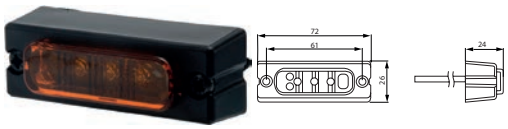
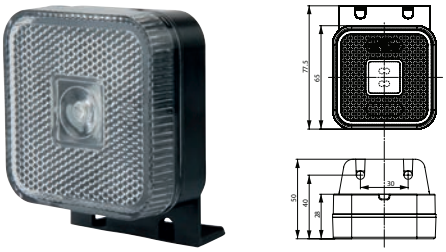
Dim.: 131x40x34 mm
Cable length: 28 mm
Dist. mount. holes: 115 mm

Type: LED
Colour: Yellow
Colour/glass: Orange
Material: PP/PMMA
Material/dome: ABS plastic
Mount.: Screw fastening
No./lamps: 1
Fixing screw: 2
Sidemarker lamp: w/
No./LEDs: 3
Wiring system: w/
E-approval: Yes

O.E.M. names and numbers are used for reference purposes only.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
171636 LED Side Marker Lamp			
	**Voltage:** 9-36 **Watt:** 0.9	**Dim.:** 109x49x18 mm **Dist. mount. holes:** 83 mm	**Type:** LED **Colour/glass:** Orange **Shape:** Rectangular **Reflector:** w/ **Sidemarker lamp:** w/ **No./LEDs:** 3 **E-approval:** Yes
171721 LED Side Marker Lamp			
	**Voltage:** 12/24	**Dim.:** 130x57x42.5 mm **Dist. mount. holes:** 50 mm	**Type:** LED **Socket type:** LED **Material:** Shockproof plastic **Shape:** Rectangular **Bracket:** Angled **Reflector:** w/ **Sidemarker lamp:** w/ **No./LEDs:** 1 **E-approval:** Yes
171722 LED Side Marker Lamp			
	**Voltage:** 12/24	**Dim.:** 111x50.5x23 mm **Dist. mount. holes:** 116 mm	**Type:** LED **Socket type:** LED **Colour/glass:** Orange **Material:** Shockproof plastic **Shape:** Rectangular **Mount.:** Flat w/ 2 fixing holes **Reflector:** w/ **Fixing screw:** 2 **Sidemarker lamp:** w/ **No./LEDs:** 1 **E-approval:** Yes
171729 LED Side Marker Lamp	**Servicing:** MAN		
	**Voltage:** 12/24 **Watt:** 1	**Dim.:** 65x65x28 mm **Dist. mount. holes:** 30 mm	**Type:** LED **Colour/glass:** Orange **Material:** ABS plastic **Material/dome:** PMMA **Shape:** Square **Bracket:** Angled **Reflector:** w/ **Sidemarker lamp:** w/ **No./LEDs:** 2 **E-approval:** Yes
171735 LED Side Marker Lamp			
	**Voltage:** 12	**Dim.:** 110x41x19.6 mm **Cable length:** 200 mm **Dist. mount. holes:** 75 mm	**Type:** LED **Shape:** Rectangular **Sidemarker lamp:** w/ **No./LEDs:** 1 **E-approval:** Yes
171736 LED Side Marker Lamp			
	**Voltage:** 24	**Dim.:** 110x41x19.6 mm **Cable length:** 20 mm **Dist. mount. holes:** 75 mm	**Type:** LED **Shape:** Rectangular **Sidemarker lamp:** w/ **No./LEDs:** 1 **E-approval:** Yes

O.E.M. names and numbers are used for reference purposes only.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
171742 LED Side Marker Lamp			
	**Voltage:** 12/24	**Dim.:** 63x31 mm **OD:** 63 mm **Cable length:** 300 mm	**Type:** LED **Colour:** Black **Colour/glass:** Orange **Material:** PVC **Material/dome:** PMMA **Mount.:** 2 screws **Sidemarker lamp:** w/ **No./LEDs:** 3 **Approvals:** ADR/SAE **E-approval:** Yes
171835 LED Adapter	**Servicing:** HC-CARGO 171836, 193119		
HC-CARGO 171835 is the LED version of HC-CARGO 170763.			
	Voltage: 12/24		
171839 LED Side Marker Lamp			
	**Voltage:** 12/24 **Watt:** 0.45-1.6	**Dim.:** 115x44x9.5 mm **Cable length:** 5000 mm **Dist. mount. holes:** 102 mm	**Type:** LED **Colour:** White **Colour/glass:** Orange **Material:** Polycarbonate **Material/dome:** Polycarbonate **Shape:** Rectangular **Mount.:** 2 screws **Reflector:** w/ **Sidemarker lamp:** w/ **No./LEDs:** 3 **Tightness norm:** IP 67 **Approvals:** SAE **E-approval:** Yes
171842 LED Side Marker Lamp			
	**Voltage:** 12/24	**Dim.:** 57x35x21 mm **Cable length:** 400 mm **Dist. mount. holes:** 28.5 mm	**Type:** LED **Colour:** Black **Colour/glass:** Orange **Material:** ASA plastic **Material/dome:** PMMA **Shape:** Rectangular **Fixing screw:** 2 **Sidemarker lamp:** w/ **No./LEDs:** 2 **Tightness norm:** IP 67 **E-approval:** Yes
171860 LED Side Marker Lamp			
	**Voltage:** 12/24 **Watt:** 0.3-0.6	**Dim.:** 72x26x24 mm **Cable length:** 5000 mm **Dist. mount. holes:** 61 mm	**Type:** LED **Colour:** Black **Colour/glass:** Orange **Material:** PP **Material/dome:** PMMA **Shape:** Rectangular **Fixing screw:** 2 **Sidemarker:** w/ **No./LEDs:** 3 **Approvals:** CE **E-approval:** Yes
171956 LED Side Marker Lamp			
	**Voltage:** 12-24 **Watt:** 1	**Dim.:** 65x65x28 mm **Cable length:** 220 mm **Dist. mount. holes:** 30 mm	**Type:** LED **Colour/glass:** White **Material:** ABS plastic **Material/dome:** PMMA **Shape:** Square **Bracket:** Angled **Reflector:** w/ **Sidemarker lamp:** w/ **No./LEDs:** 2 **Tightness norm:** IP 68 **E-approval:** Yes

O.E.M. names and numbers are used for reference purposes only.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

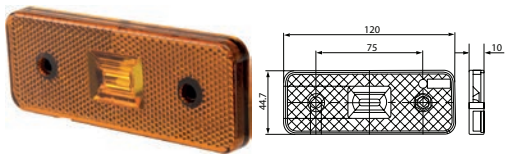
ACCESSORIES

171639 Angle Bracket

Servicing: HC-CARGO 171636, 171637, 171638

171836 Lens

Servicing: HC-CARGO 171835



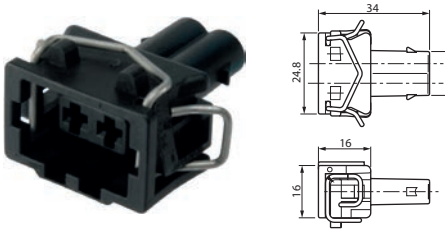
Dim.: 120x44.7x10 mm

Shape: Square
E-approval: Yes

193119 Junior Power Timer Connector

Servicing: HC-CARGO 171835, 171836

Terminal: HC-CARGO 192175, 192176, 192177, 192178, 192179.

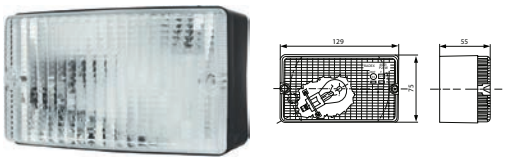


Type/terminal: Junior Power Timer
Colour: Black
No./poles: 2
Plug: Female

TAIL LIGHTS

REVERSING LAMPS CONVENTIONAL

170689 Reversing Lamp



Watt: 21

Dim.: 129x75x55 mm
Dist. mount. holes: 56 mm

Socket type: BA15S
Shape: Rectangular
Bracket: Straight
Fixing screw: 1
Reverse light: w/
E-approval: Yes

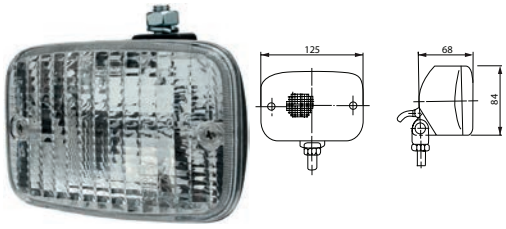
170934 Reversing Lamp

Watt: 21

Dim.: 140x90 mm
Dist. mount. holes: 45 mm

Socket type: BA15S
Colour: Black
Material: Shockproof plastic
Shape: Round
Fixing screw: 2
Reverse light: w/
Wiring system: w/
E-approval: Yes

170935 Reversing Lamp

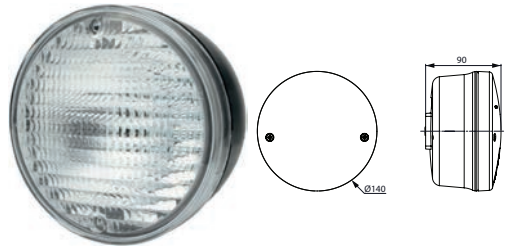
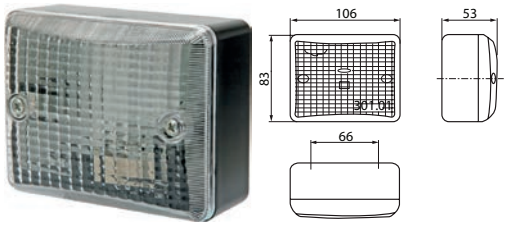


Watt: 21

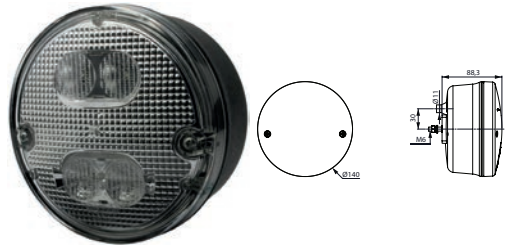
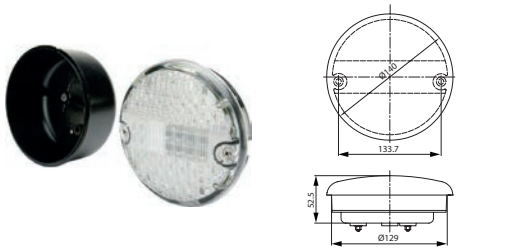
Dim.: 125x84x68 mm

Socket type: BA15S
Colour: Black
Material: Shockproof plastic
Shape: Rectangular
Bracket: Pendant
Fixing screw: M10
Reverse light: w/
E-approval: Yes

O.E.M. names and numbers are used for reference purposes only.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
171222 Reversing Lamp			
	**Bulb incl.:** No **Voltage:** 12/24 **Watt:** 55 **Watt 2:** 70	**Dim.:** 140x90 mm **Dist. mount. holes:** 45 mm	**Bulb type:** H3 **Bulb type 2:** H3 **Socket type:** PK22s **Socket type 2:** PK22s **Colour:** Black **Material:** Shockproof plastic **Shape:** Circular **Fixing screw:** 2 **Wiring system:** w/ **E-approval:** Yes
172014 Reversing Lamp			
	**Bulb incl.:** No **Watt:** 21	**Dim.:** 106x83x53 mm **Dist. mount. holes:** 66 mm	**Socket type:** BA15S **Colour:** Black **Colour/glass:** White **Material:** ABS plastic **Material/dome:** PMMA **Shape:** Rectangular **Fixing screw:** 2 **Reverse light:** w/ **Approvals:** CE **E-approval:** Yes

REVERSING LAMPS LED

170909 LED Fog/Reverse Lamp			
Lens and o-ring: HC-CARGO 170910.			
	**Voltage:** 12/24	**Dim.:** 140x88.3 mm **OD:** 140 mm **Dist. mount. holes:** 45 mm	**Type:** LED **Colour/glass:** White **Material:** Shockproof plastic **Shape:** Round **Fixing screw:** 2 **Rear/fog lamp:** w/ **Tail light:** w/ **LEDs:** w/ **No./LEDs:** 4 **E-approval:** Yes
171684 LED Reversing Lamp			
Can be flush mounted by using HC-CARGO 171266.			
	**Voltage:** 9-33 **Watt:** 8	**Dim.:** 140x52.5 mm **Dist. mount. holes:** 45 mm	**Type:** Reversing lamp **Colour:** Transparent **Material:** Shockproof plastic **Shape:** Circular **No./LEDs:** 61 **Approvals:** ECE R23 **E-approval:** Yes
171726 LED Fog/Reverse Lamp			
Ring: clear, center: red.			
	Voltage: 12/24	**Dim.:** 122x84.5 mm **OD:** 122 mm **Cable length:** 150 mm **Dist. mount. holes:** 44 mm	**Type:** LED **Material:** Shockproof plastic **Material/dome:** Shockproof plastic **Shape:** Round **Rear/fog lamp:** w/ **Reverse light:** w/ **No./LEDs:** 38 **E-approval:** Yes
172007 LED Reversing Lamp			
	Voltage: 10-30 **Watt:** 18	**Dim.:** 89x58 mm	**Type:** Reversing lamp **Bulb type:** 6 LED **Material:** Cast aluminum **Material/dome:** Polycarbonate **Shape:** Round **Reverse light:** w/ **Tightness norm:** IP 67 **Approvals:** ECE R23 **E-approval:** Yes

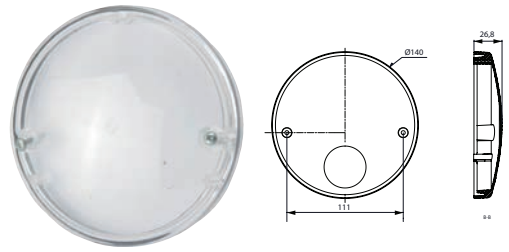
O.E.M. names and numbers are used for reference purposes only.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

SPARE PARTS

170910 Lens, Rear Lamp

Servicing: HC-CARGO 170909

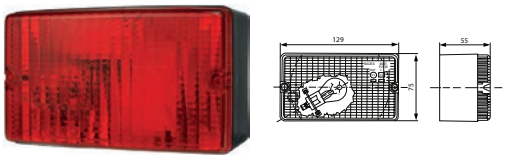


Dim.: 140x26.8 mm
Dist. mount. holes: 111 mm

Colour: White
Shape: Round

REAR FOG LAMPS CONVENTIONAL

170688 Rear Fog Lamp

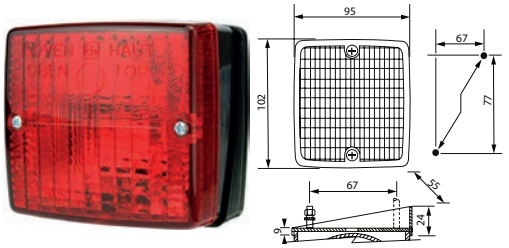


Watt: 21

Dim.: 129x75x55 mm
Dist. mount. holes: 56 mm

Socket type: BA15S
Shape: Rectangular
Bracket: Straight
Rear/fog lamp: w/
E-approval: Yes

170928 Rear Fog Lamp

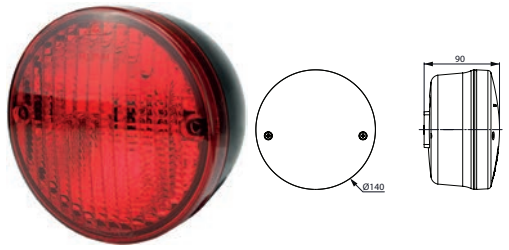


Watt: 21

Dim.: 102x95x55 mm
Dist. mount. holes: 77 mm

Socket type: BA15S
Colour: Black
Material: Shockproof plastic
Shape: Rectangular
Fixing screw: 2
E-approval: Yes

170929 Rear Fog Lamp

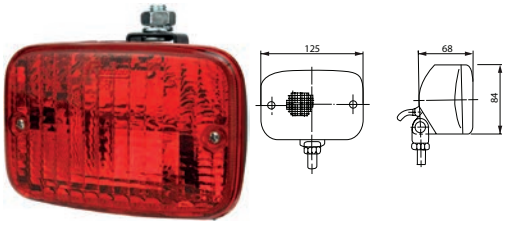


Bulb incl.: No
Watt: 21

Dim.: 140x90 mm
Dist. mount. holes: 45 mm

Socket type: BA15S
Colour: Black
Material: Shockproof plastic
Fixing screw: 2
Rear/fog lamp: w/
Wiring system: w/
E-approval: Yes

170930 Rear Fog Lamp



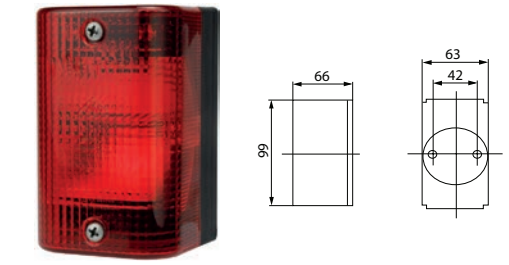
Watt: 21

Dim.: 125x84x68 mm

Socket type: BA15S
Colour: Black
Material: Shockproof plastic
Bracket: Pendant
Fixing screw: 1
Rear/fog lamp: w/
E-approval: Yes

171220 Rear Fog Lamp

w/ Grommet.



Watt: 21

Dim.: 63x99x66 mm
Dist. mount. holes: 42 mm

Socket type: BA15S
Material: Shockproof plastic
Shape: Rectangular
Sidemarker: w/
E-approval: Yes

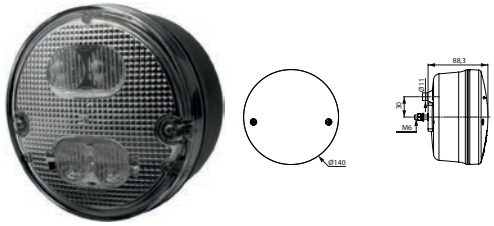
O.E.M. names and numbers are used for reference purposes only.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

REAR FOG LAMPS LED

170909 LED Fog/Reverse Lamp

Lens and o-ring: HC-CARGO 170910.



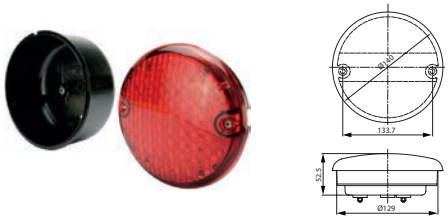
Voltage: 12/24

Dim.: 140x88.3 mm
OD: 140 mm
Dist. mount. holes: 45 mm

Type: LED
Colour/glass: White
Material: Shockproof plastic
Shape: Round
Fixing screw: 2
Rear/fog lamp: w/
Tail light: w/
LEDs: w/
No./LEDs: 4
E-approval: Yes

171685 LED Rear Fog Lamp

Can be flush mounted by using HC-CARGO 171266.



Voltage: 9-33

Dim.: 140x52.5 mm
Dist. mount. holes: 45 mm

Type: Rear fog lamp
Colour: Red
Material: Shockproof plastic
Shape: Circular
Rear/fog lamp: w/
No./LEDs: 61

171726 LED Fog/Reverse Lamp

Ring: clear, center: red.

Voltage: 12/24

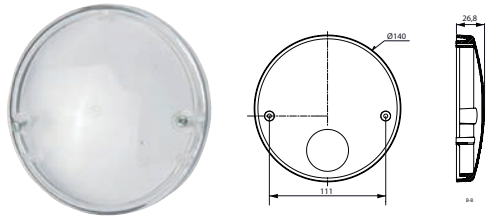
Dim.: 122x84.5 mm
OD: 122 mm
Cable length: 150 mm
Dist. mount. holes: 44 mm

Type: LED
Material: Shockproof plastic
Material/dome: Shockproof plastic
Rear/fog lamp: w/
Reverse light: w/
No./LEDs: 38
E-approval: Yes

SPARE PARTS

170910 Lens, Rear Lamp

Servicing: HC-CARGO 170909



Dim.: 140x26.8 mm
Dist. mount. holes: 111 mm

Colour: White
Shape: Round

MULTI FUNCTION LAMPS

TRAILER LAMPS CONVENTIONAL

170685 Multi Function Lamp

Lens: HC-CARGO 170687.

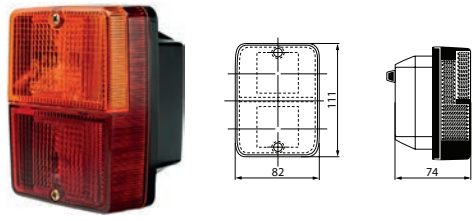
Bulb incl.: No
Watt 1: 21
Watt 2: 21/5

Dim.: 104x98x50 mm
Dist. mount. holes: 45/55 mm

Socket type 1: BA15S
Socket type 2: BAY15d
Material: Shockproof plastic
Fixing screw: 2
Flasher light: w/
Numberplate light: Yes/No
Tail light: w/
Stop light: w/
RH/LH: RH/LH
E-approval: Yes

170846 Multi Function Lamp

Lens: HC-CARGO 170847.

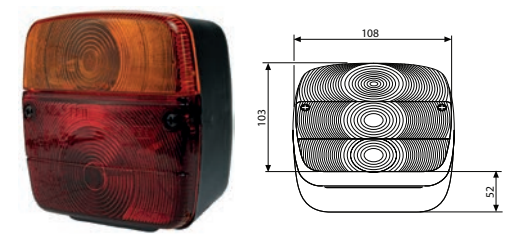
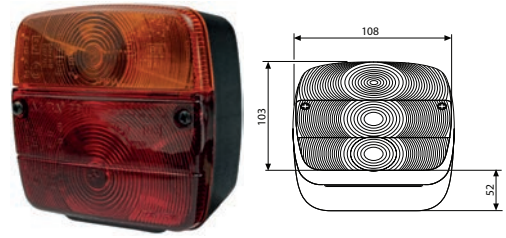
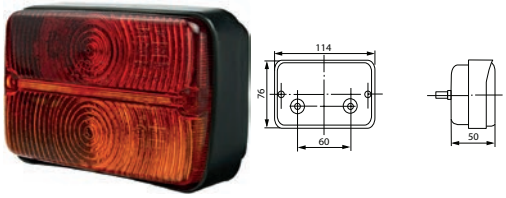
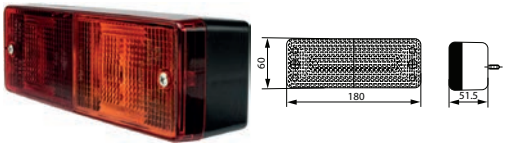
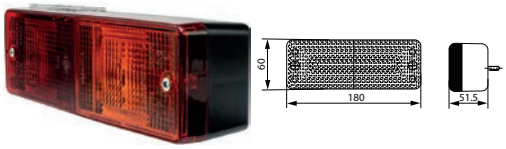
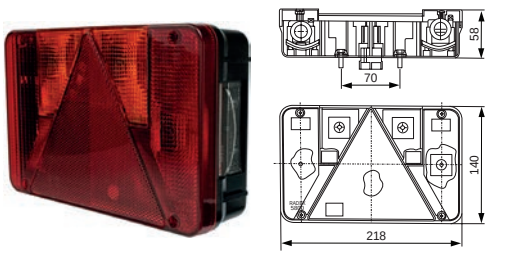


Watt 1: 10
Watt 2: 21/5

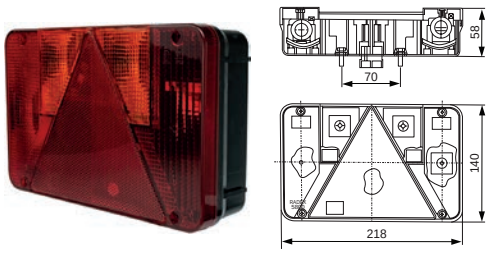
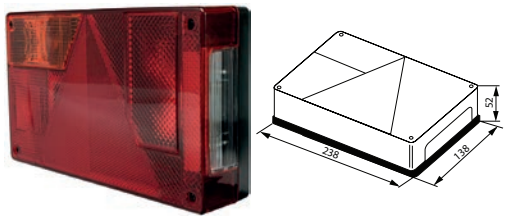
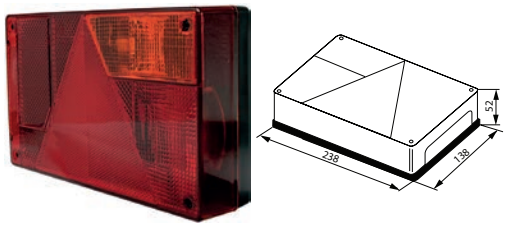
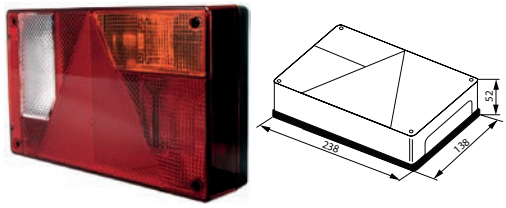
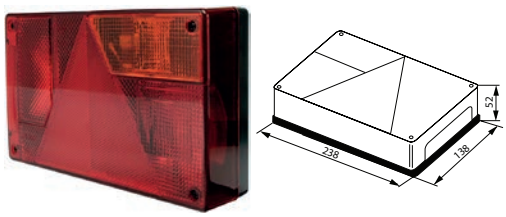
Dim.: 111x82x74 mm
Dist. mount. holes: 57/87 mm

Socket type 1: BA15S
Socket type 2: BAY15d
Material: Shockproof plastic
Fixing screw: 4
Flasher light: w/
Tail light: w/
Stop light: w/
RH/LH: RH/LH
E-approval: Yes

O.E.M. names and numbers are used for reference purposes only.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
170939 Multi Function Lamp	**Servicing:** HC-CARGO 170809, 170818, 170828, 170829, 170835, 171049		
Lens: HC-CARGO 170833.			
	**Bulb incl.:** No **Watt 1:** 21 **Watt 2:** 21/5	**Dim.:** 108x103x52 mm **Dist. mount. holes:** 45/55 mm	**Socket type 1:** BA15S **Socket type 2:** BAY15d **Material:** Shockproof plastic **Fixing screw:** 2 **Flasher light:** w/ **Tail light:** w/ **Stop light:** w/ **RH/LH:** RH/LH **E-approval:** Yes
170940 Multi Function Lamp	**Servicing:** HC-CARGO 170829		
Lens: HC-CARGO 170833.			
	**Bulb incl.:** No **Watt 1:** 21 **Watt 2:** 21/5	**Dim.:** 108x103x52 mm **Dist. mount. holes:** 45/55 mm	**Socket type 1:** BA15S **Socket type 2:** BAY15d **Material:** Shockproof plastic **Fixing screw:** 2 **Flasher light:** w/ **Numberplate light:** w/ **Tail light:** w/ **Stop light:** w/ **RH/LH:** RH/LH **E-approval:** Yes
170943 Multi Function Lamp			
Lens: HC-CARGO 170944.			
	**Bulb incl.:** No **Watt 1:** 21 **Watt 2:** 21/5	**Dim.:** 114x76x50 mm **Dist. mount. holes:** 60 mm	**Socket type 1:** BA15S **Socket type 2:** BAY15d **Material:** Shockproof plastic **Shape:** Rectangular **Fixing screw:** 2 **Flasher light:** w/ **Tail light:** w/ **Stop light:** w/ **RH/LH:** RH/LH **E-approval:** Yes
170985 Multi Function Lamp			
Lens: HC-CARGO 170987.			
	**Bulb incl.:** No **Watt 1:** 10 **Watt 2:** 21/5	**Dim.:** 180x60x51.5 mm **Dist. mount. holes:** 134 mm	**Socket type 1:** BA15S **Socket type 2:** BAY15d **Material:** Shockproof plastic **Shape:** Rectangular **Fixing screw:** 2 **Flasher light:** w/ **Tail light:** w/ **Stop light:** w/ **RH/LH:** RH/LH **E-approval:** Yes
170986 Multi Function Lamp			
Lens: HC-CARGO 170987.			
	**Bulb incl.:** No **Watt 1:** 10 **Watt 2:** 21/5	**Dim.:** 180x60x51.5 mm **Dist. mount. holes:** 134 mm	**Socket type 1:** BA15S **Socket type 2:** BAY15d **Material:** Shockproof plastic **Shape:** Rectangular **Fixing screw:** 2 **Flasher light:** w/ **Numberplate light:** w/ **Tail light:** w/ **Stop light:** w/ **RH/LH:** RH/LH **E-approval:** Yes
171013 Multi Function Lamp			
Lens: HC-CARGO 171015. Right: HC-CARGO 171014.			
	**Bulb incl.:** No **Watt:** 21 **Watt 2:** 21/5	**Dim.:** 218x140x58 mm **Dist. mount. holes:** 70 mm	**Socket type:** BA15S **Socket type 2:** BAY15d **Material:** Shockproof plastic **Shape:** Rectangular **Reflector:** w/ **Fixing screw:** 2 **Flasher light:** w/ **Numberplate light:** w/ **Tail light:** w/ **Stop light:** w/ **RH/LH:** LH **E-approval:** Yes

O.E.M. names and numbers are used for reference purposes only.

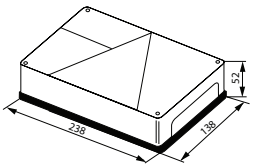
	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
171014 Multi Function Lamp			
Lens: HC-CARGO 171016. Left: HC-CARGO 171013.			
	**Bulb incl.:** No **Watt 1:** 21 **Watt 2:** 21/5	**Dim.:** 218x140x58 mm **Dist. mount. holes:** 70 mm	**Socket type 1:** BA15S **Socket type 2:** BAY15d **Material:** Shockproof plastic **Shape:** Rectangular **Reflector:** w/ **Fixing screw:** 2 **Flasher light:** w/ **Numberplate light:** w/ **Tail light:** w/ **Stop light:** w/ **RH/LH:** RH
171050 Multi Function Lamp			
Lens: HC-CARGO 171057. Plug: HC-CARGO 171372, 171373. Right: HC-CARGO 171053.			
	**Bulb incl.:** No **Watt 1:** 21 **Watt 2:** 21/5 **Watt 3:** 5	**Dim.:** 238x138x52 mm **Dist. mount. holes:** 152 mm	**Socket type 1:** BA15S **Socket type 2:** BAY15d **Socket type 3:** S8.5 **Material:** Shockproof plastic **Shape:** Rectangular **Reflector:** w/ **Fixing screw:** 2 **Flasher light:** w/ **Numberplate light:** w/ **Rear/fog lamp:** w/ **Tail light:** w/ **Stop light:** w/ **RH/LH:** LH **E-approval:** Yes
171051 Multi Function Lamp			
Lens: HC-CARGO 171056. Plug: HC-CARGO 171372, 171373. Left: HC-CARGO 171054.			
	**Bulb incl.:** No **Watt 1:** 21 **Watt 2:** 21/5 **Watt 3:** 5	**Dim.:** 238x138x52 mm **Dist. mount. holes:** 152 mm	**Socket type 1:** BA15S **Socket type 2:** BAY15d **Socket type 3:** S8.5 **Material:** Shockproof plastic **Shape:** Rectangular **Reflector:** w/ **Fixing screw:** 2 **Flasher light:** w/ **Numberplate light:** w/ **Tail light:** w/ **Stop light:** w/ **RH/LH:** RH **E-approval:** Yes
171052 Multi Function Lamp			
Lens: HC-CARGO 171058. Supplied w/ HC-CARGO 171372, 171373. Left: HC-CARGO 171055.			
	**Bulb incl.:** No **Watt 1:** 21 **Watt 2:** 21/5 **Watt 3:** 5	**Dim.:** 238x138x52 mm **Dist. mount. holes:** 152 mm	**Socket type 1:** BA15S **Socket type 2:** BAY15d **Socket type 3:** S8.5 **Material:** Shockproof plastic **Shape:** Rectangular **Reflector:** w/ **Fixing screw:** 2 **Flasher light:** w/ **Numberplate light:** w/ **Reverse light:** w/ **Tail light:** w/ **Stop light:** w/ **RH/LH:** RH **E-approval:** Yes
171053 Multi Function Lamp			
Lens: HC-CARGO 171056. Left: HC-CARGO 171050.			
	**Bulb incl.:** No **Watt 1:** 21 **Watt 2:** 21/5 **Watt 3:** 5	**Dim.:** 238x138x52 mm **Dist. mount. holes:** 152 mm	**Socket type 1:** BA15S **Socket type 2:** BAY15d **Socket type 3:** S8.5 **Material:** Shockproof plastic **Shape:** Rectangular **Reflector:** w/ **Fixing screw:** 2 **Flasher light:** w/ **Numberplate light:** w/ **Rear/fog lamp:** w/ **Tail light:** w/ **Stop light:** w/ **RH/LH:** RH **E-approval:** Yes

O.E.M. names and numbers are used for reference purposes only.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

171054 Multi Function Lamp

Lens: HC-CARGO 171057. Plug: HC-CARGO 171372, 171373. Right: HC-CARGO 171051.



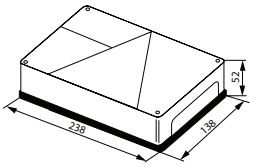
Bulb incl.: No
Watt 1: 21
Watt 2: 21/5
Watt 3: 5

Dim.: 238x138x52 mm
Dist. mount. holes: 152 mm

Socket type 1: BA15S
Socket type 2: BAY15d
Socket type 3: S8.5
Material: Shockproof plastic
Shape: Rectangular
Reflector: w/
Fixing screw: 2
Flasher light: w/
Numberplate light: w/
Tail light: w/
Stop light: w/
RH/LH: LH
E-approval: Yes

171055 Multi Function Lamp

Lens: HC-CARGO 171059. Plug: HC-CARGO 171372, 171373. Right: HC-CARGO 171052.



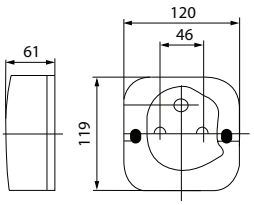
Bulb incl.: No
Watt 1: 21
Watt 2: 21/5
Watt 3: 5

Dim.: 238x138x52 mm
Dist. mount. holes: 152 mm

Socket type 1: BA15S
Socket type 2: BAY15d
Socket type 3: S8.5
Material: Shockproof plastic
Shape: Rectangular
Reflector: w/
Fixing screw: 2
Flasher light: w/
Numberplate light: w/
Reverse light: w/
Tail light: w/
Stop light: w/
RH/LH: LH
E-approval: Yes

171191 Multi Function Lamp

Lens: HC-CARGO 171236.



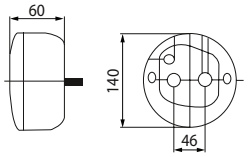
Bulb incl.: No
Watt 1: 21
Watt 2: 10

Dim.: 120x119x61 mm
Dist. mount. holes: 46 mm

Socket type 1: BA15S
Socket type 2: BA15S
Material: Shockproof plastic
Fixing screw: 2
Flasher light: w/
Numberplate light: w/
Tail light: w/
Stop light: w/
RH/LH: RH/LH
E-approval: Yes

171192 Multi Function Lamp

Mounting kit: HC-CARGO 171266. Lens: HC-CARGO 171237.



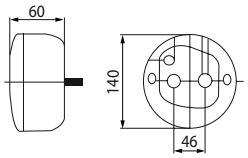
Bulb incl.: No
Watt 1: 21
Watt 2: 5

Dim.: 140x60 mm
OD: 140 mm
Dist. mount. holes: 46 mm

Socket type 1: BA15S
Socket type 2: BA15S
Material: Shockproof plastic
Shape: Round
Fixing screw: 2
Flasher light: w/
Numberplate light: w/
Tail light: w/
Stop light: w/
E-approval: Yes

171193 Multi Function Lamp

Mounting kit: HC-CARGO 171266. Lens: HC-CARGO 171237.

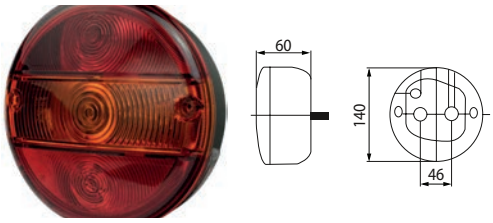
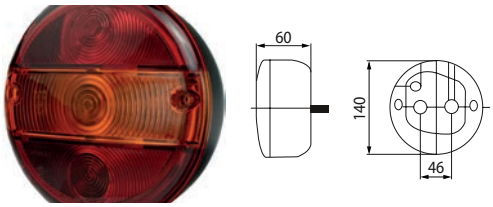
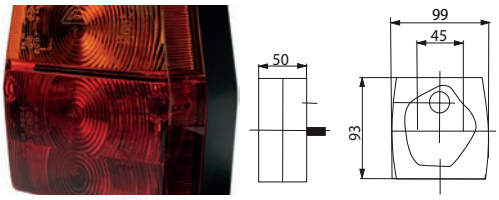
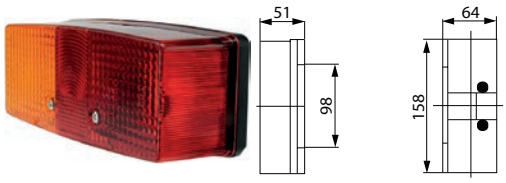
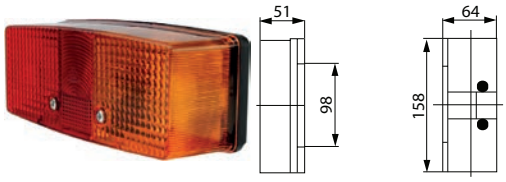
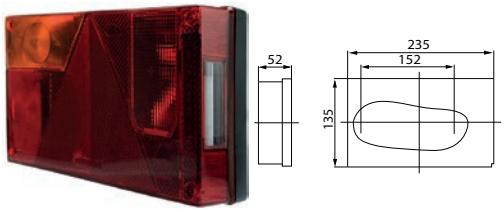


Bulb incl.: No
Watt 1: 21
Watt 2: 5

Dim.: 140x60 mm
OD: 140 mm
Dist. mount. holes: 46 mm

Socket type 1: BA15S
Socket type 2: BA15S
Material: Shockproof plastic
Shape: Round
Fixing screw: 2
Flasher light: w/
Tail light: w/
Stop light: w/
E-approval: Yes

O.E.M. names and numbers are used for reference purposes only.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
171194 Multi Function Lamp *Mounting kit: HC-CARGO 171266. Lens: HC-CARGO 171237.* 	**Bulb incl.:** No **Watt 1:** 21 **Watt 2:** 5	**Dim.:** 140x60 mm **OD:** 140 mm **Dist. mount. holes:** 45 mm	**Socket type 1:** BA15S **Socket type 2:** BA15S **Material:** Shockproof plastic **Shape:** Round **Fixing screw:** 2 **Flasher light:** w/ **Numberplate light:** w/ **Tail light:** w/ **Stop light:** w/ **E-approval:** Yes
171195 Multi Function Lamp *Mounting kit: HC-CARGO 171266. Lens: HC-CARGO 171237.* 	**Bulb incl.:** No **Watt 1:** 21 **Watt 2:** 5	**Dim.:** 140x60 mm **OD:** 140 mm **Dist. mount. holes:** 46 mm	**Socket type 1:** BA15S **Socket type 2:** BA15S **Material:** Shockproof plastic **Shape:** Round **Fixing screw:** 2 **Flasher light:** w/ **Tail light:** w/ **Stop light:** w/ **E-approval:** Yes
171202 Multi Function Lamp *Lens: HC-CARGO 171253.* 	**Bulb incl.:** No **Watt 1:** 21 **Watt 2:** 5	**Dim.:** 93x99x50 mm **Dist. mount. holes:** 45 mm	**Socket type 1:** BA15S **Socket type 2:** S8.5 **Material:** Shockproof plastic **Shape:** Hexagon **Fixing screw:** 2 **Flasher light:** w/ **Tail light:** w/ **Stop light:** w/ **E-approval:** Yes
171203 Multi Function Lamp *Lens: HC-CARGO 171258. Right: HC-CARGO 171204.* 	**Bulb incl.:** No **Watt 1:** 21/5 **Watt 2:** 10	**Dim.:** 158x64x51 mm **Dist. mount. holes:** 98/45 mm	**Socket type 1:** BAY15d **Socket type 2:** BA15S **Material:** Shockproof plastic **Shape:** Rectangular **Reflector:** w/ **Fixing screw:** 4 **Flasher light:** w/ **Numberplate light:** w/ **Tail light:** w/ **Stop light:** w/ **RH/LH:** LH **E-approval:** Yes
171204 Multi Function Lamp *Lens: HC-CARGO 171259. Left: HC-CARGO 171203.* 	**Bulb incl.:** No **Watt 1:** 10 **Watt 2:** 21/5	**Dim.:** 158x64x51 mm **Dist. mount. holes:** 98/45 mm	**Socket type 1:** BA15S **Socket type 2:** BAY15d **Material/dome:** Shockproof plastic **Shape:** Rectangular **Reflector:** w/ **Fixing screw:** 4 **Flasher light:** w/ **Numberplate light:** w/ **Tail light:** w/ **Stop light:** w/ **RH/LH:** RH
171213 Multi Function Lamp *Lens: HC-CARGO 171264. Right: HC-CARGO 171214.* 	**Bulb incl.:** No **Watt 1:** 21 **Watt 2:** 21-maj **Watt 3:** 5	**Dim.:** 235x135x52 mm **Dist. mount. holes:** 152 mm	**Socket type 1:** BA15S **Socket type 2:** BAY15d **Socket type 3:** S8.5 **Material:** Shockproof plastic **Shape:** Rectangular **Reflector:** w/ **Fixing screw:** 2 **Flasher light:** w/ **Numberplate light:** w/ **Tail light:** w/ **Stop light:** w/ **RH/LH:** LH **E-approval:** Yes

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	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
171214 Multi Function Lamp *Lens: HC-CARGO 171265. Left: HC-CARGO 171213.*	**Bulb incl.:** No **Watt 1:** 21 **Watt 2:** 21/5 **Watt 3:** 5	**Dim.:** 235x135x52 mm **Dist. mount. holes:** 152 mm	**Socket type 1:** BA15S **Socket type 2:** BAY15d **Socket type 3:** S8.5 **Material:** Shockproof plastic **Shape:** Rectangular **Reflector:** w/ **Fixing screw:** 2 **Flasher light:** w/ **Numberplate light:** w/ **Tail light:** w/ **Stop light:** w/ **RH/LH:** RH **E-approval:** Yes
171328 Multi Function Lamp *Lens: HC-CARGO 171330.*	**Bulb incl.:** No **Watt 1:** 21 **Watt 2:** 5	**Dim.:** 140x77 mm **OD:** 140 mm **Dist. mount. holes:** 45 mm	**Socket type 1:** BA15S **Socket type 2:** BA15S **Material:** Shockproof plastic **Shape:** Circular **Fixing screw:** 2 **Flasher light:** w/ **Numberplate light:** w/ **Tail light:** w/ **Stop light:** w/ **E-approval:** Yes
171329 Multi Function Lamp *Mounting kit: HC-CARGO 171266. Lens: HC-CARGO 171330.*	**Bulb incl.:** No	**Dim.:** 140x77 mm **OD:** 140 mm **Dist. mount. holes:** 45 mm	**Socket type 1:** BA15S **Material:** Shockproof plastic **Shape:** Circular **Fixing screw:** 2 **Flasher light:** w/ **Tail light:** w/ **Stop light:** w/ **E-approval:** Yes
171533 Multi Function Lamp *Lens: HC-CARGO 171015. Plug: HC-CARGO 171537, 171538. Right: HC-CARGO 171534.*	**Bulb incl.:** No **Watt 1:** 21 **Watt 2:** 21/5 **Watt 3:** 5	**Dim.:** 248x140x58 mm **Dist. mount. holes:** 70 mm	**Socket type 1:** BA15S **Socket type 2:** BAY15d **Socket type 3:** S8.5 **Material:** Shockproof plastic **Shape:** Rectangular **Reflector:** w/ **Fixing screw:** 2 **Flasher light:** w/ **Numberplate light:** w/ **Tail light:** w/ **Stop light:** w/ **RH/LH:** LH
171534 Multi Function Lamp *Lens: HC-CARGO 171016. Plug: HC-CARGO 171537, 171538. Left: HC-CARGO 171533.*	**Bulb incl.:** No **Watt 1:** 21 **Watt 2:** 21/5 **Watt 3:** 5	**Dim.:** 248x140x58 mm **Dist. mount. holes:** 70 mm	**Socket type 1:** BA15S **Socket type 2:** BAY15d **Socket type 3:** S8.5 **Material:** Shockproof plastic **Shape:** Rectangular **Reflector:** w/ **Fixing screw:** 2 **Flasher light:** w/ **Numberplate light:** w/ **Tail light:** w/ **Stop light:** w/ **RH/LH:** RH

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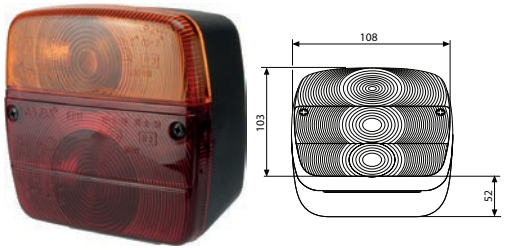
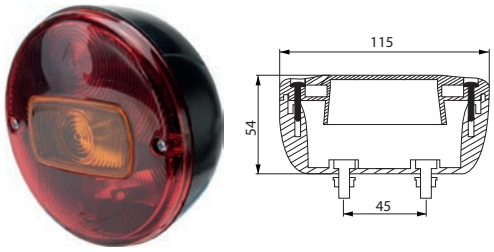
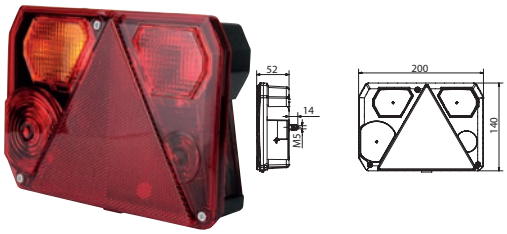
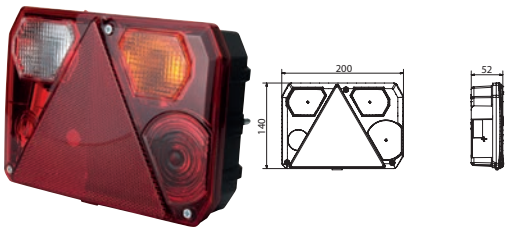
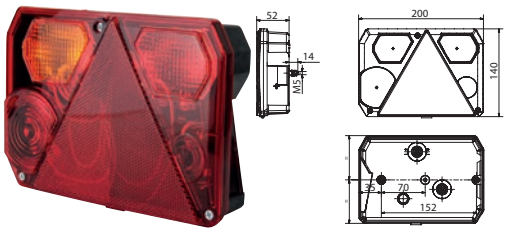
	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
171822 Multi Function Lamp	**Servicing:** HC-CARGO 171821		
Multi connector: HC-CARGO 171372, 171373. Lens: HC-CARGO 170833.			
	**Bulb incl.:** Yes **Watt 1:** 21 **Watt 2:** 21/5	**Dim.:** 108x103x52 mm **Dist. mount. holes:** 45/55 mm	**Socket type 1:** BA15S **Socket type 2:** BAY15d **Shape:** Square **Flasher light:** w/ **Sidemarker:** w/ **Stop light:** w/ **E-approval:** Yes
171917 Multi Function Lamp			
	**Bulb incl.:** No **Watt 1:** 5 **Watt 2:** 18 **Watt 3:** 18	**Dim.:** 115x54 mm **OD:** 115 mm **Dist. mount. holes:** 45 mm	**Bulb type 1:** 10.5x36 mm **Bulb type 2:** 15x41 mm **Bulb type 3:** 15x41 mm **Socket type:** S8.5 **Socket type 2:** S8.5 **Socket type 3:** S8.5 **Colour/glass:** Red/yellow **Material/dome:** PMMA **Shape:** Round **Fixing screw:** 2 **Flasher light:** w/ **Tail light:** w/ **Stop light:** w/ **RH/LH:** RH/LH
172021 Multi Function Lamp			
Lens: HC-CARGO 172023. Right: HC-CARGO 172022.			
	**Bulb incl.:** No **Watt 1:** 21 **Watt 2:** 21/5 **Watt 3:** 5	**Dim.:** 200x140x52 mm **Dist. mount. holes:** 152 mm	**Socket type 1:** BA15S **Socket type 2:** BAY15d **Socket type 3:** S8.5 **Material:** Shockproof plastic **Reflector:** w/ **Fixing screw:** 2 **Flasher light:** w/ **Numberplate light:** w/ **Rear/fog lamp:** w/ **Tail light:** w/ **Stop light:** w/ **RH/LH:** LH **E-approval:** Yes
172022 Multi Function Lamp			
Lens: HC-CARGO 172024. Left: HC-CARGO 172021.			
	**Bulb incl.:** No **Watt 1:** 21 **Watt 2:** 21/5 **Watt 3:** 5	**Dim.:** 200x140x52 mm **Dist. mount. holes:** 152 mm	**Socket type 1:** BA15S **Socket type 2:** BAY15d **Socket type 3:** S8.5 **Material:** Shockproof plastic **Reflector:** w/ **Fixing screw:** 2 **Flasher light:** w/ **Numberplate light:** w/ **Reverse light:** w/ **Tail light:** w/ **Stop light:** w/ **RH/LH:** RH **E-approval:** Yes
172025 Multi Function Lamp			
Lens: HC-CARGO 172023. Right: HC-CARGO 172026. Plug: HC-CARGO 171537, 171538.			
	**Bulb incl.:** Yes **Voltage:** 12 **Watt 1:** 21 **Watt 2:** 21/5 **Watt 3:** 5	**Dim.:** 200x140x52 mm **Dist. mount. holes:** 152 mm	**Socket type 1:** BA15S **Socket type 2:** BAY15d **Socket type 3:** S8.5 **Material:** Shockproof plastic **Reflector:** w/ **Fixing screw:** 2 **Flasher light:** w/ **Numberplate light:** w/ **Rear/fog lamp:** w/ **Tail light:** w/ **Stop light:** w/ **RH/LH:** LH **E-approval:** Yes

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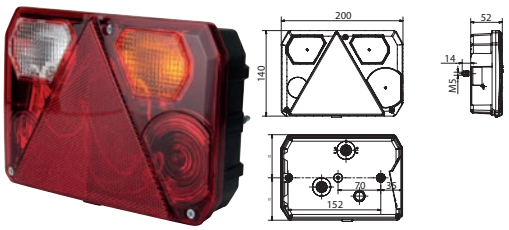
	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

172026 Multi Function Lamp

Lens: HC-CARGO 172024. Left: HC-CARGO 172025. Plug: HC-CARGO 171537, 171538.



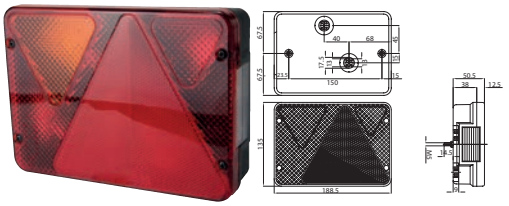
Bulb incl.: Yes
Voltage: 12
Watt 1: 21
Watt 2: 21/5
Watt 3: 5

Dim.: 200x140x52 mm
Dist. mount. holes: 152 mm

Socket type 1: BA15S
Socket type 2: BAY15d
Socket type 3: S8.5
Material: Shockproof plastic
Reflector: w/
Fixing screw: 2
Flasher light: w/
Numberplate light: w/
Reverse light: w/
Tail light: w/
Stop light: w/
RH/LH: RH
E-approval: Yes

172047 Multi Function Lamp

Lens: HC-CARGO 172051. Right: HC-CARGO 172048. Plug: HC-CARGO 171537, 171538.



Bulb incl.: Yes
Voltage: 12
Watt 1: 21
Watt 2: 21/5
Watt 3: 5

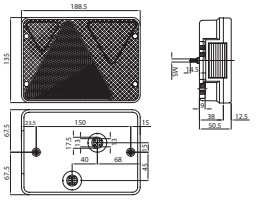
Dim.: 188.5x135x50.5 mm
Dist. mount. holes: 150 mm

Socket type 1: BA15S
Socket type 2: BAY15d
Socket type 3: S8.5
Colour: Black
Material: Polypropylene
Material/dome: PMMA
Reflector: w/
Fixing screw: 2
Flasher light: w/
Numberplate light: w/
Rear/fog lamp: w/
Tail light: w/
Stop light: w/
RH/LH: LH
Approvals: CE
E-approval: Yes

172048 Multi Function Lamp

Lens: HC-CARGO 172052. Left: HC-CARGO 172047. Plug: HC-CARGO 171537, 171538.

NEW PRODUCT
www.hc-cargo.com



Bulb incl.: Yes
Voltage: 12
Watt 1: 21
Watt 2: 21/5
Watt 3: 5

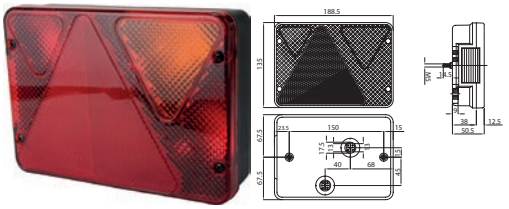
Dim.: 188.5x135x50.5 mm
Dist. mount. holes: 150 mm

Socket type 1: BA15S
Socket type 2: BAY15d
Socket type 3: S8.5
Colour: Black
Material: Polypropylene
Material/dome: PMMA
Reflector: w/
Fixing screw: 2
Flasher light: w/
Numberplate light: w/
Rear/fog lamp: w/
Tail light: w/
Stop light: w/
RH/LH: RH
Approvals: CE
E-approval: Yes

172049 Multi Function Lamp

Servicing: UK

Lens: HC-CARGO 172057. Left: HC-CARGO 172050. Plug: HC-CARGO 171537, 171538.



Bulb incl.: Yes
Voltage: 12
Watt 1: 21
Watt 2: 21/5
Watt 3: 5

Dim.: 188.5x135x50.5 mm
Dist. mount. holes: 150 mm

Socket type 1: BA15S
Socket type 2: BAY15d
Socket type 3: S8.5
Colour: Black
Material: Polypropylene
Material/dome: PMMA
Reflector: w/
Fixing screw: 2
Flasher light: w/
Numberplate light: w/
Rear/fog lamp: w/
Tail light: w/
Stop light: w/
RH/LH: RH
Approvals: CE
E-approval: Yes

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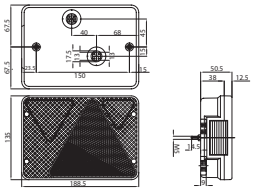
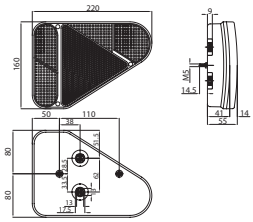
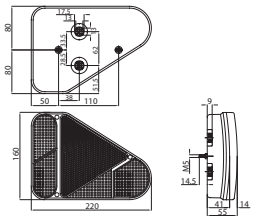
	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
172050 Multi Function Lamp	**Servicing:** UK		
Lens: HC-CARGO 172058. Right: HC-CARGO 172049. Plug: HC-CARGO 171537, 171538.			
NEW PRODUCT www.hc-cargo.com 	**Bulb incl.:** Yes **Voltage:** 12 **Watt 1:** 21 **Watt 2:** 21/5 **Watt 3:** 5	**Dim.:** 188.5x135x50.5 mm **Dist. mount. holes:** 150 mm	**Socket type 1:** BA15S **Socket type 2:** BAY15d **Socket type 3:** S8.5 **Colour:** Black **Material:** Polypropylene **Material/dome:** PMMA **Reflector:** w/ **Fixing screw:** 2 **Flasher light:** w/ **Numberplate light:** w/ **Rear/fog lamp:** w/ **Tail light:** w/ **Stop light:** w/ **RH/LH:** LH **Approvals:** CE **E-approval:** Yes
172068 Multi Function Lamp			
Lens: HC-CARGO 172070. Right: HC-CARGO 172069. Plug: HC-CARGO 171537, 171538			
NEW PRODUCT www.hc-cargo.com 	**Bulb incl.:** Yes **Voltage:** 12 **Watt 1:** 21/5 **Watt 2:** 21	**Dim.:** 220x160x55 mm **Dist. mount. holes:** 110 mm	**Socket type 1:** BAY15d **Socket type 2:** BA15S **Colour:** Black **Material:** Polypropylene **Material/dome:** Polycarbonate **Shape:** Triangle **Reflector:** w/ **Fixing screw:** 2 **Flasher light:** w/ **Rear/fog lamp:** w/ **Sidemarker:** w/ **Stop light:** w/ **RH/LH:** LH **E-approval:** Yes
172069 Multi Function Lamp			
Lens: HC-CARGO 172071. Right: HC-CARGO 172068. Plug: HC-CARGO 171537, 171538			
NEW PRODUCT www.hc-cargo.com 	**Bulb incl.:** Yes **Voltage:** 12 **Watt 1:** 21/5 **Watt 2:** 21	**Dim.:** 220x160x55 mm **Dist. mount. holes:** 110 mm	**Socket type 1:** BAY15d **Socket type 2:** BA15S **Colour:** Black **Material:** Polypropylene **Material/dome:** Polycarbonate **Shape:** Triangle **Reflector:** w/ **Fixing screw:** 2 **Flasher light:** w/ **Rear/fog lamp:** w/ **Sidemarker:** w/ **Stop light:** w/ **RH/LH:** RH **E-approval:** Yes

SPARE PARTS

170687 Lens, Rear Lamp	**Servicing:** HC-CARGO 170685		
		Dim.: 104x98 mm	**RH/LH:** RH/LH
170833 Lens, Rear Lamp	**Servicing:** HC-CARGO 170939, 170940		
		Dim.: 108x103x52 mm	**Material:** Shockproof plastic **Flasher light:** w/ **Tail light:** w/ **Stop light:** w/ **RH/LH:** RH/LH

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	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
170847 Lens, Rear Lamp	**Servicing:** HC-CARGO 170846		
		Dim.: 111x82 mm	**Material:** Shockproof plastic **RH/LH:** RH/LH
170944 Lens, Rear Lamp	**Servicing:** HC-CARGO 170943		
		Dim.: 120x80 mm	**Material:** Shockproof plastic **Shape:** Rectangular **RH/LH:** RH/LH
171015 Lens, Rear Lamp	**Servicing:** HC-CARGO 171013, 171533		
		Dim.: 218x140 mm	**Material:** Shockproof plastic **Shape:** Rectangular **Reflector:** w/ **RH/LH:** LH
171016 Lens, Rear Lamp	**Servicing:** HC-CARGO 171534, 171014		
		Dim.: 218x140 mm	**Material:** Shockproof plastic **Shape:** Rectangular **Reflector:** w/ **RH/LH:** RH
171056 Lens, Rear Lamp	**Servicing:** HC-CARGO 171051, 171053		
		Dim.: 235x135x52 mm	**Material:** Shockproof plastic **Shape:** Rectangular **Reflector:** w/ **Numberplate light:** w/ **RH/LH:** RH
171057 Lens, Rear Lamp	**Servicing:** HC-CARGO 171050, 171054		
		Dim.: 235x135x52 mm	**Material:** Shockproof plastic **Shape:** Rectangular **Reflector:** w/ **Numberplate light:** w/ **RH/LH:** LH
171058 Lens, Rear Lamp	**Servicing:** HC-CARGO 171052		
		Dim.: 235x135 mm	**Material:** Shockproof plastic **Shape:** Rectangular **Reflector:** w/ **Numberplate light:** w/ **RH/LH:** RH

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	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
171059 Lens, Rear Lamp	**Servicing:** HC-CARGO 171055		
		Dim.: 235x135 mm	**Material:** Shockproof plastic **Shape:** Rectangular **Reflector:** w/ **Numberplate light:** w/ **RH/LH:** LH
171162 Lens, Rear Lamp	**Servicing:** Ford Transit 1986		
		Dim.: 364x94 mm	**Material:** Shockproof plastic **Shape:** Rectangular **Reflector:** w/ **E-approval:** Yes
171236 Lens, Rear Lamp	**Servicing:** HC-CARGO 171191		
		Dim.: 122.5x122.5x53 mm	**Shape:** Square **RH/LH:** RH/LH
171237 Lens, Rear Lamp	**Servicing:** HC-CARGO 171192, 171193, 171194, 171195		
		OD: 140 mm	**Type:** Tail lamp **Material:** Plastic **Shape:** Circular **RH/LH:** RH/LH
171253 Lens, Rear Lamp	**Servicing:** HC-CARGO 171202		
		Dim.: 93x99 mm	**Material:** Shockproof plastic **Shape:** Hexagon **RH/LH:** RH/LH
171258 Lens, Rear Lamp	**Servicing:** HC-CARGO 171203		
		Dim.: 158x64 mm	**Material:** Shockproof plastic **Shape:** Rectangular **Reflector:** w/ **RH/LH:** LH
171259 Lens, Rear Lamp	**Servicing:** HC-CARGO 171204		
		Dim.: 158x64 mm	**Shape:** Rectangular **Reflector:** w/ **RH/LH:** RH

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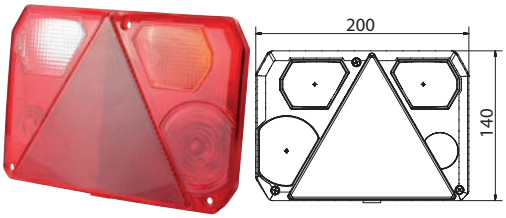
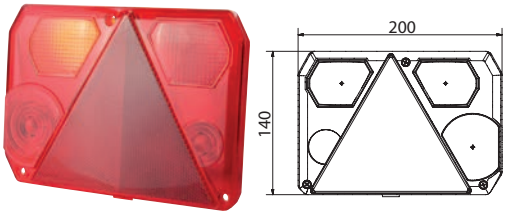
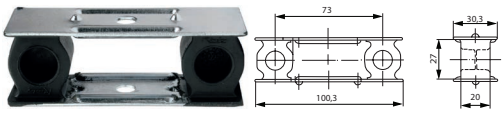
	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
171264 Lens, Rear Lamp	**Servicing:** HC-CARGO 171213		
		Dim.: 235x135 mm	**Shape:** Rectangular **Reflector:** w/ **Numberplate light:** w/ **RH/LH:** LH
171265 Lens, Rear Lamp	**Servicing:** HC-CARGO 171214		
		Dim.: 235x135 mm	**Shape:** Rectangular **Reflector:** w/ **Numberplate light:** w/ **RH/LH:** RH
171330 Lens, Rear Lamp	**Servicing:** HC-CARGO 171328, 171329		
		OD: 140 mm	**Material:** Plastic **Shape:** Circular **RH/LH:** RH/LH
172023 Lens, Rear Lamp	**Servicing:** HC-CARGO: 172021		
		**Dim.:** 200x140 mm	**Reflector:** w/ **RH/LH:** LH
172024 Lens, Rear Lamp	**Servicing:** HC-CARGO: 172022		
		**Dim.:** 200x140 mm	**Reflector:** w/ **Reverse light:** w/ **RH/LH:** RH
172051 Lens, Rear Lamp	**Servicing:** HC-CARGO 172047		
NEW PRODUCT www.hc-cargo.com		**Dim.:** 188.5x135 mm	**Material/dome:** PMMA
172052 Lens, Rear Lamp	**Servicing:** HC-CARGO 172048		
NEW PRODUCT www.hc-cargo.com		**Dim.:** 188.5x135 mm	**Material:** PMMA

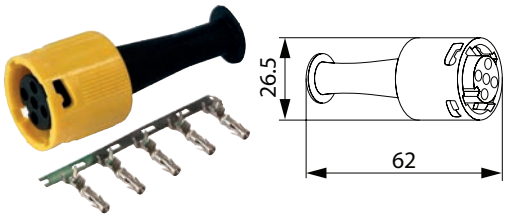
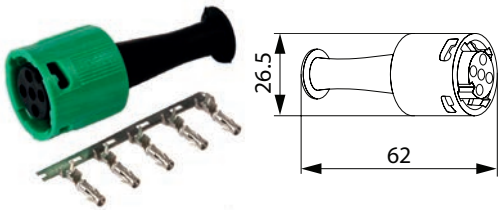
O.E.M. names and numbers are used for reference purposes only.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
172057 Lens, Rear Lamp	**Servicing:** HC-CARGO 172049		
NEW PRODUCT www.hc-cargo.com		**Dim.:** 188.5x135 mm	**Material/dome:** PMMA
172058 Lens, Rear Lamp	**Servicing:** HC-CARGO 172050		
NEW PRODUCT www.hc-cargo.com		**Dim.:** 188.5x135 mm	**Material/dome:** PMMA
172070 Lens, Rear Lamp	**Servicing:** HC-CARGO 172068		
NEW PRODUCT www.hc-cargo.com		**Dim.:** 220x160 mm	**Material/dome:** Polycarbonate **Shape:** Triangle **RH/LH:** LH
172071 Lens, Rear Lamp	**Servicing:** HC-CARGO 172069		
NEW PRODUCT www.hc-cargo.com		**Dim.:** 220x160 mm	**Material/dome:** Polycarbonate **Shape:** Triangle **RH/LH:** RH

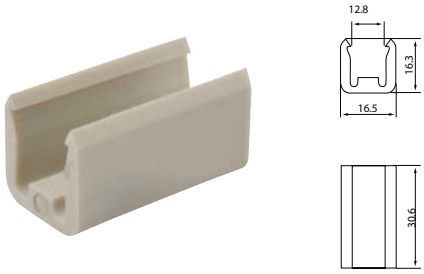
ACCESSORIES

170604 Vibration Damper	**Servicing:** HC-CARGO 170602, 171323		
Gives a longer life to the bulbs.			
			
171266 Repair Kit	**Servicing:** HC-CARGO 171193, 171195, 171329, 171549, 171550		
Circulars.			

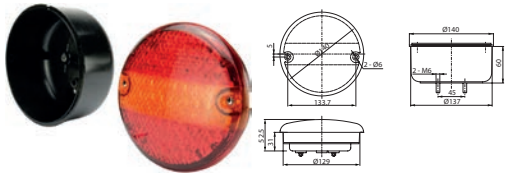
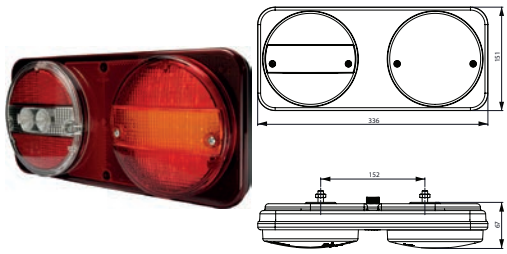
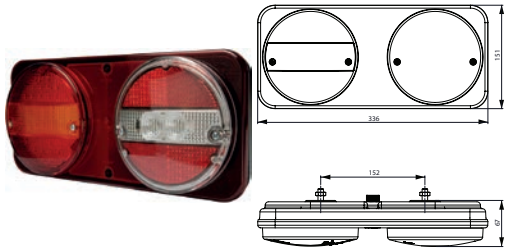
O.E.M. names and numbers are used for reference purposes only.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
171372 Multi Connector	**Servicing:** HC-CARGO 171050, 171051, 171052, 171053, 171054, 171055, 171818, 171821		
Socket w/ quick connection.			
		**Dim.:** 62x26.5 mm	**Colour/glass:** Yellow **RH/LH:** LH **E-approval:** Yes
171373 Multi Connector	**Servicing:** HC-CARGO 171050, 171051, 171052, 171053, 171054, 171055, 171818, 171821		
Socket w/ quick connection.			
		**Dim.:** 62x26.5 mm	**Colour/glass:** Green **RH/LH:** RH **E-approval:** Yes
171537 Multi Connector	**Servicing:** HC-CARGO 171533, 171534, 172021, 172022, 172025, 172026		
Socket w/ quick connection.			
			Colour: Red **RH/LH:** LH
171538 Multi Connector	**Servicing:** HC-CARGO 171533, 171534, 172021, 172022, 172025, 172026		
Socket w/ quick connection.			
			Colour: Green **RH/LH:** RH
171788 Multiconnector 7 pin	**Servicing:** HC-CARGO 171506, 171756, 171757, 171802, 171803, 171927, 171928, 171929, 171930, 172061, 172062, 172063, 172064		
Gasket: HC-CARGO 192178. Terminal: HC-CARGO 193250.			
			Type/terminal: Round **Colour:** Black **No./poles:** 7 **Plug:** Female
172015 Cable w/ plug			
Cover of click-in connector HC-CARGO 172016.			
			Type: Clip-on, Round

O.E.M. names and numbers are used for reference purposes only.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
172016 Cover of click-in connector	**Servicing:** HC-CARGO 171730, 171731, 171732, 171733, 171734, 172015		
		**ID:** 12.8 mm **Total length:** 30.6 mm **Height:** 16.3 mm **Width:** 16.5 mm	
172066 Multiconnector 7 pin	**Servicing:** HC-CARGO 171506, 171756, 171757, 171802, 171803, 171927, 171928, 171929, 171930, 172061, 172062, 172063, 172064		
			Type/terminal: Round **Colour:** Black **No./poles:** 7 **Plug:** Female
181627 Bayonet connector	**Servicing:** HC-CARGO 181617		
	Voltage: 12		**Mount.:** Terminal **No./poles:** 8

TRAILER LAMPS LED

171549 LED Multifunction Lamp			
Mounting kit: HC-CARGO 171266.			
	**Voltage:** 9-33	**Dim.:** 140x60 mm **Dist. mount. holes:** 45 mm	**Type:** LED **Colour:** Black **Material:** Shockproof plastic **Shape:** Circular **Fixing screw:** 2 **Flasher light:** w/ **Tail light:** w/ **Stop light:** w/ **No./LEDs:** 63 **E-approval:** Yes
171665 LED Multifunction Lamp			
Right: HC-CARGO 171666.			
	**Voltage:** 12/24	**Dim.:** 336x151x67 mm **Dist. mount. holes:** 152 mm	**Type:** LED **Material:** Shockproof plastic **Shape:** Rectangular **Reflector:** w/ **Flasher light:** w/ **Reverse light:** w/ **Tail light:** w/ **Stop light:** w/ **RH/LH:** LH **E-approval:** Yes
171666 LED Multifunction Lamp			
Left: HC-CARGO 171665.			
	**Voltage:** 12/24	**Dim.:** 336x151x67 mm **Dist. mount. holes:** 152 mm	**Type:** LED **Material:** Shockproof plastic **Shape:** Rectangular **Reflector:** w/ **Flasher light:** w/ **Reverse light:** w/ **Tail light:** w/ **Stop light:** w/ **RH/LH:** RH **E-approval:** Yes

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	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
171667 LED Multifunction Lamp *White = ground. Brown = tail light. Red = stop. Yellow = indicator.*	**Voltage:** 12/24	**Dim.:** 150x80x26.9 mm **Dist. mount. holes:** 100 mm	**Type:** LED **Material:** Plastic **Shape:** Rectangular **Reflector:** w/ **Flasher light:** w/ **Tail light:** w/ **Stop light:** w/ **No./LEDs:** 24 **Tightness norm:** IP 67 **E-approval:** Yes
171668 LED Multifunction Lamp *White = ground. Brown = tail light. Red = stop. Yellow = indicator.*	**Voltage:** 12/24	**Dim.:** 150x80x26.9 mm **Dist. mount. holes:** 100 mm	**Type:** LED **Colour/glass:** Transparent **Material:** Shockproof plastic **Material/dome:** Glass **Shape:** Rectangular **Reflector:** w/ **Flasher light:** w/ **Tail light:** w/ **Stop light:** w/ **No./LEDs:** 24 **Tightness norm:** IP 67 **E-approval:** Yes
171725 LED Multifunction Lamp *Ring: amber, center: red.*	**Voltage:** 12/24	**Dim.:** 122x84.5 mm **OD:** 122 mm **Cable length:** 150 mm **Dist. mount. holes:** 44 mm	**Type:** LED **Material:** Shockproof plastic **Material/dome:** Shockproof plastic **Shape:** Round **Fixing screw:** 6 **Flasher light:** w/ **Tail light:** w/ **Stop light:** w/ **No./LEDs:** 44 **E-approval:** Yes
171726 LED Fog/Reverse Lamp *Ring: clear, center: red.*	**Voltage:** 12/24	**Dim.:** 122x84.5 mm **OD:** 122 mm **Cable length:** 150 mm **Dist. mount. holes:** 44 mm	**Type:** LED **Material:** Shockproof plastic **Material/dome:** Shockproof plastic **Rear/fog lamp:** w/ **Reverse light:** w/ **No./LEDs:** 38 **E-approval:** Yes
171756 LED Multifunction Lamp *Multi-plug: HC-CARGO 171788, 172066.*	**Voltage:** 12/24	**Dim.:** 174x218x28.8 mm **Dist. mount. holes:** 150 mm	**Type:** Tail/position lamp **Material:** Shockproof plastic **Material/dome:** Shockproof plastic **Shape:** Triangle **Reflector:** w/ **Flasher light:** w/ **Rear/fog lamp:** w/ **Reverse light:** w/ **Tail light:** w/ **Stop light:** w/ **RH/LH:** RH **Tightness norm:** IP 67 **Approvals:** CE **E-approval:** Yes

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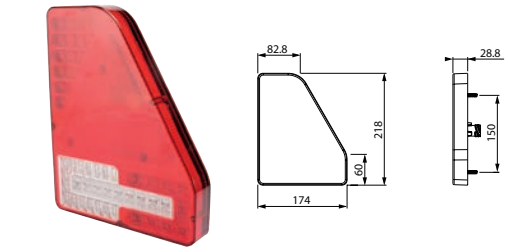
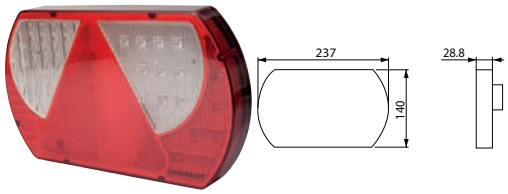
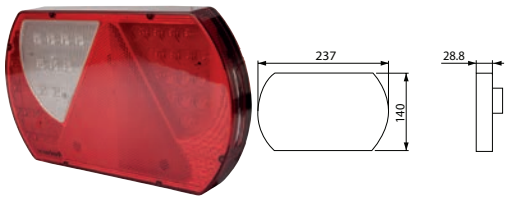
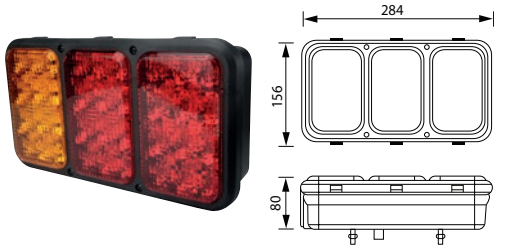
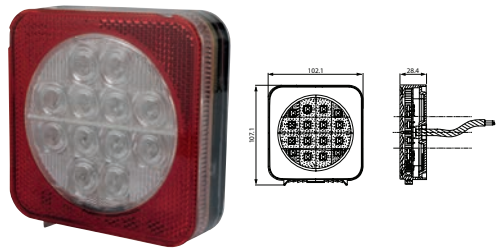
	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
171757 LED Multifunction Lamp *Multi-plug: HC-CARGO 171788, 172066.* 	**Voltage:** 12/24	**Dim.:** 174x218x28.8 mm **Dist. mount. holes:** 150 mm	**Type:** Tail/position lamp **Material:** Shockproof plastic **Material/dome:** Shockproof plastic **Shape:** Triangle **Reflector:** w/ **Flasher light:** w/ **Rear/fog lamp:** w/ **Reverse light:** w/ **Tail light:** w/ **Stop light:** w/ **RH/LH:** LH **Tightness norm:** IP 67 **Approvals:** CE **E-approval:** Yes
171758 LED Multifunction Lamp *White = ground. Red = stop. Black = tail. Yellow = indicator. Brown = reverse.* 	**Voltage:** 12/24	**Dim.:** 237x140x28.8 mm **Cable length:** 2000 mm **Dist. mount. holes:** 152 mm	**Type:** Tail lamp **Material:** Shockproof plastic **Material/dome:** Shockproof plastic **Shape:** Oval **Mount.:** 2 screws **Reflector:** w/ **Flasher light:** w/ **Numberplate light:** w/ **Reverse light:** w/ **Tail light:** w/ **Stop light:** w/ **RH/LH:** RH **Tightness norm:** IP 66 **E-approval:** Yes
171759 LED Multifunction Lamp *White = ground. Red = stop. Black = tail. Yellow = indicator. Blue = fog.* 	**Voltage:** 12/24	**Dim.:** 237x140x28.8 mm **Cable length:** 2000 mm **Dist. mount. holes:** 152 mm	**Type:** Tail lamp **Material:** Shockproof plastic **Material/dome:** Shockproof plastic **Shape:** Oval **Mount.:** 2 screws **Reflector:** w/ **Flasher light:** w/ **Numberplate light:** w/ **Rear/fog lamp:** w/ **Tail light:** w/ **Stop light:** w/ **RH/LH:** LH **Tightness norm:** IP 66 **E-approval:** Yes
171772 LED Multifunction Lamp *White=ground. Brown=tail. Yellow=flasher. Red=stop.* 	**Voltage:** 24	**Dim.:** 284x156x102 mm **Dist. mount. holes:** 130x78 mm	**Type:** Tail lamp **Material:** Polypropylene **Material/dome:** PMMA **Shape:** Rectangular **Mount.:** 4 screws **Reflector:** w/ **Flasher light:** w/ **Tail light:** w/ **Stop light:** w/ **No./LEDs:** 3x16 **RH/LH:** RH/LH **E-approval:** Yes
171789 LED Multifunction Lamp *Vertical mount.* 	**Voltage:** 12/24	**Dim.:** 102.1x107.1x28.4 mm **Cable length:** 500 mm **Dist. mount. holes:** 45 mm	**Type:** Tail lamp **Bulb type:** LED **Material:** Polycarbonate **Material/dome:** Polycarbonate **Shape:** Square **Mount.:** 2 screws **Reflector:** w/ **Flasher light:** w/ **Numberplate light:** w/ **Tail light:** w/ **Stop light:** w/ **No./LEDs:** 12 **RH/LH:** RH/LH **Tightness norm:** IP 67 **E-approval:** Yes

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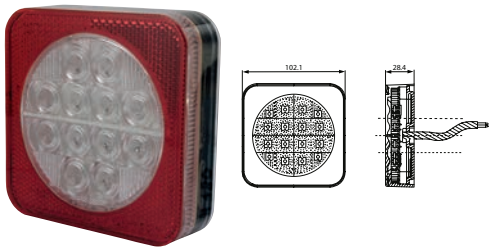
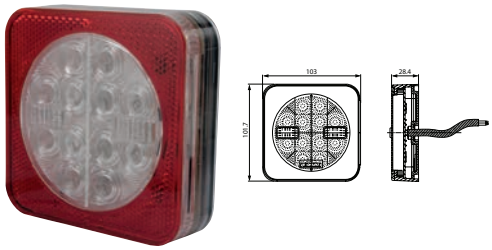
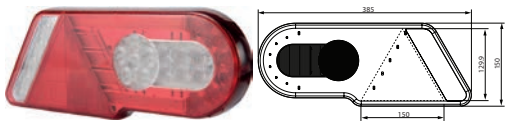
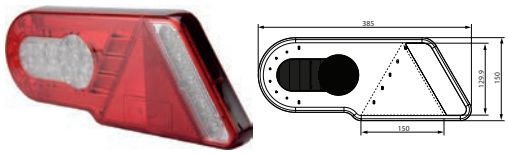
	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
171790 LED Multifunction Lamp *Vertical mount.*			
	**Voltage:** 12/24	**Dim.:** 102.1x28.4 mm **Cable length:** 500 mm **Dist. mount. holes:** 45 mm	**Type:** Tail lamp **Material:** Polycarbonate **Material/dome:** Polycarbonate **Shape:** Square **Mount.:** 2 screws **Reflector:** w/ **Flasher light:** w/ **Tail light:** w/ **Stop light:** w/ **No./LEDs:** 12 **RH/LH:** RH/LH **Tightness norm:** IP 67 **E-approval:** Yes
171791 LED Multifunction Lamp *Horizontal mount.*			
	**Voltage:** 12/24	**Dim.:** 103x101.7x28.4 mm **Cable length:** 500 mm **Dist. mount. holes:** 45 mm	**Type:** Tail lamp **Material:** Polycarbonate **Material/dome:** Polycarbonate **Shape:** Square **Mount.:** 2 screws **Reflector:** w/ **Flasher light:** w/ **Numberplate light:** w/ **Tail light:** w/ **Stop light:** w/ **No./LEDs:** 12 **RH/LH:** RH/LH **Tightness norm:** IP 67 **E-approval:** Yes
171927 LED Multifunction Lamp *Left: HC-CARGO 171928. Multi-plug: HC-CARGO 171788, 172066.*			
	**Voltage:** 12-24	**Dim.:** 385x150x34.1 mm **Dist. mount. holes:** 152.3 mm	**Type:** LED **Shape:** Rectangular **Reflector:** w/ **Flasher light:** w/ **Rear/fog lamp:** w/ **Reverse light:** w/ **Tail light:** w/ **Stop light:** w/ **RH/LH:** RH **Tightness norm:** IP 67 **Approvals:** CE **E-approval:** Yes
171928 LED Multifunction Lamp *Right: HC-CARGO 171927. Multi-plug: HC-CARGO 171788, 172066.*			
	**Voltage:** 12-24	**Dim.:** 385x150x34.1 mm **Dist. mount. holes:** 152 mm	**Type:** LED **Shape:** Rectangular **Reflector:** w/ **Flasher light:** w/ **Rear/fog lamp:** w/ **Reverse light:** w/ **Tail light:** w/ **Stop light:** w/ **RH/LH:** LH **Tightness norm:** IP 67 **Approvals:** CE **E-approval:** Yes
171929 LED Multifunction Lamp *Left: HC-CARGO 171930. Multi-plug: HC-CARGO 171788, 172066.*			
	Voltage: 12-24	**Dim.:** 240.3x140x31 mm **Dist. mount. holes:** 152 mm	**Type:** LED **Shape:** Rectangular **Reflector:** w/ **Flasher light:** w/ **Rear/fog lamp:** w/ **Reverse light:** w/ **Tail light:** w/ **Stop light:** w/ **RH/LH:** RH **Tightness norm:** IP 67 **Approvals:** CE **E-approval:** Yes

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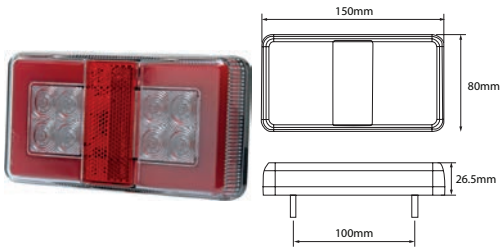
	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
171930 LED Multifunction Lamp *Right: HC-CARGO 171929. Multi-plug: HC-CARGO 171788, 172066.*			
	Voltage: 12-24	**Dim.:** 240.3x140x31 mm **Dist. mount. holes:** 152 mm	**Type:** LED **Shape:** Rectangular **Reflector:** w/ **Flasher light:** w/ **Rear/fog lamp:** w/ **Reverse light:** w/ **Tail light:** w/ **Stop light:** w/ **RH/LH:** LH **Tightness norm:** IP 67 **Approvals:** CE **E-approval:** Yes
171952 LED Multifunction Lamp			
	**Voltage:** 12-24	**Dim.:** 150x80x26.5 mm **Cable length:** 300 mm **Dist. mount. holes:** 100 mm	**Mount.:** 2 screws **Reflector:** w/ **No./reflectors:** 1 **Flasher light:** w/ **Tail light:** w/ **Stop light:** w/ **Tightness norm:** IP 67 **Approvals:** CE **E-approval:** Yes
172061 LED Multifunction Lamp *Lens: HC-CARGO 172065. Left: HC-CARGO 172062. Plug: HC-CARGO 171788, 172066.*			
	Voltage: 12-24	**Dim.:** 426.3x155.2x111.6 mm **Dist. mount. holes:** 152 mm	**Type:** LED **Material:** PP **Material/dome:** Polycarbonate **Shape:** Rectangular **Reflector:** w/ **Flasher light:** w/ **Rear/fog lamp:** w/ **Reverse light:** w/ **Sidemarker lamp:** w/ **Tail light:** w/ **Stop light:** w/ **RH/LH:** RH **E-approval:** Yes
172062 LED Multifunction Lamp *Lens: HC-CARGO 172065. Right: HC-CARGO 172061. Plug: HC-CARGO 171788, 172066.*			
	Voltage: 12-24	**Dim.:** 426.3x155.2x111.6 mm **Dist. mount. holes:** 152 mm	**Type:** LED **Material:** PP **Material/dome:** Polycarbonate **Shape:** Rectangular **Reflector:** w/ **Flasher light:** w/ **Rear/fog lamp:** w/ **Reverse light:** w/ **Sidemarker lamp:** w/ **Tail light:** w/ **Stop light:** w/ **RH/LH:** LH **E-approval:** Yes
172063 LED Multifunction Lamp *Lens: HC-CARGO 172067. Left: HC-CARGO 172064. Plug: HC-CARGO 171788, 172066.*			
	Voltage: 12-24	**Dim.:** 401.8x155.2x112.3 mm **Dist. mount. holes:** 152 mm	**Type:** LED **Material:** PP **Material/dome:** Polycarbonate **Shape:** Rectangular **Reflector:** w/ **Flasher light:** w/ **Rear/fog lamp:** w/ **Reverse light:** w/ **Sidemarker lamp:** w/ **Tail light:** w/ **Stop light:** w/ **RH/LH:** RH **E-approval:** Yes

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	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
172064 LED Multifunction Lamp *Lens: HC-CARGO 172067. Right: HC-CARGO 172063. Plug: HC-CARGO 171788, 172066.*			
	Voltage: 12-24	**Dim.:** 401.8x155.2x112.3 mm **Dist. mount. holes:** 152 mm	**Type:** LED **Material:** PP **Material/dome:** Polycarbonate **Shape:** Rectangular **Reflector:** w/ **Flasher light:** w/ **Rear/fog lamp:** w/ **Reverse light:** w/ **Sidemarker lamp:** w/ **Tail light:** w/ **Stop light:** w/ **RH/LH:** LH **E-approval:** Yes

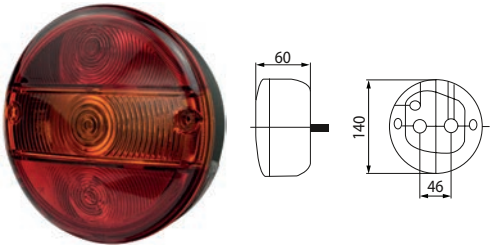
SPARE PARTS

172065 Lens, Rear Lamp	**Servicing:** HC-CARGO 172061, 172062		
NEW PRODUCT www.hc-cargo.com		**Dim.:** 401.8x155.2 mm	**Material/dome:** Polycarbonate **RH/LH:** RH/LH
172067 Lens, Rear Lamp	**Servicing:** HC-CARGO 172063, 172064		
		Dim.: 401.8x155.2 mm	**Material/dome:** Polycarbonate **RH/LH:** RH/LH

ACCESSORIES

160970 Load Resistor 12 V *Contains: 2 pcs.*			
	Voltage: 12 **Amp:** 2 **Watt:** 50	**Length:** 50 mm **Width:** 15 mm	
160971 Load Resistor 24 V *Contains: 2 pcs.*			
	Voltage: 24 **Amp:** 1 **Watt:** 50	**Length:** 50 mm **Width:** 15 mm	

TRAILER LAMPS CONVENTIONAL (TRUCKS)

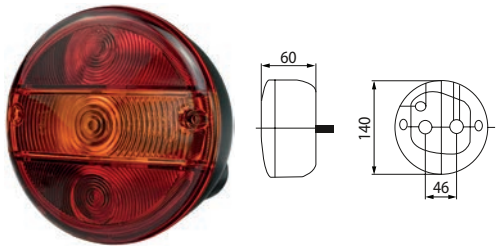
171192 Multi Function Lamp *Mounting kit: HC-CARGO 171266. Lens: HC-CARGO 171237.*			
	**Bulb incl.:** No **Watt 1:** 21 **Watt 2:** 5	**Dim.:** 140x60 mm **OD:** 140 mm **Dist. mount. holes:** 46 mm	**Socket type 1:** BA15S **Socket type 2:** BA15S **Material:** Shockproof plastic **Shape:** Round **Fixing screw:** 2 **Flasher light:** w/ **Numberplate light:** w/ **Tail light:** w/ **Stop light:** w/ **E-approval:** Yes

O.E.M. names and numbers are used for reference purposes only.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

171193 Multi Function Lamp

Mounting kit: HC-CARGO 171266. Lens: HC-CARGO 171237.



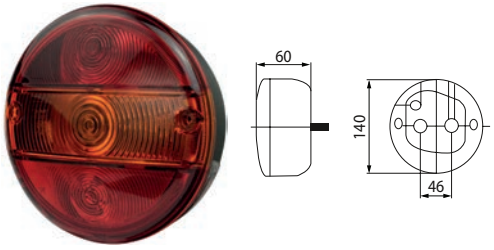
Bulb incl.: No
Watt 1: 21
Watt 2: 5

Dim.: 140x60 mm
OD: 140 mm
Dist. mount. holes: 46 mm

Socket type 1: BA15S
Socket type 2: BA15S
Material: Shockproof plastic
Shape: Round
Fixing screw: 2
Flasher light: w/
Tail light: w/
Stop light: w/
E-approval: Yes

171194 Multi Function Lamp

Mounting kit: HC-CARGO 171266. Lens: HC-CARGO 171237.



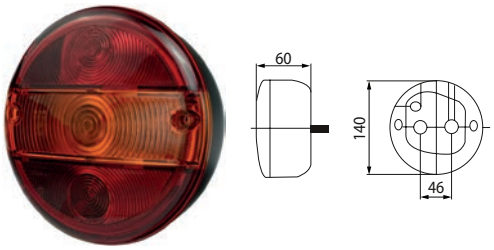
Bulb incl.: No
Watt 1: 21
Watt 2: 5

Dim.: 140x60 mm
OD: 140 mm
Dist. mount. holes: 45 mm

Socket type 1: BA15S
Socket type 2: BA15S
Material: Shockproof plastic
Shape: Round
Fixing screw: 2
Flasher light: w/
Numberplate light: w/
Tail light: w/
Stop light: w/
E-approval: Yes

171195 Multi Function Lamp

Mounting kit: HC-CARGO 171266. Lens: HC-CARGO 171237.



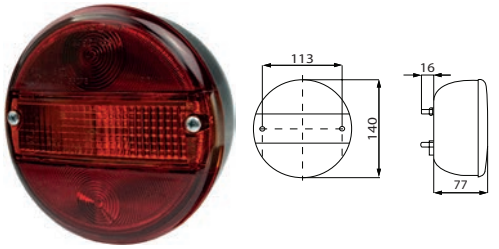
Bulb incl.: No
Watt 1: 21
Watt 2: 5

Dim.: 140x60 mm
OD: 140 mm
Dist. mount. holes: 46 mm

Socket type 1: BA15S
Socket type 2: BA15S
Material: Shockproof plastic
Shape: Round
Fixing screw: 2
Flasher light: w/
Tail light: w/
Stop light: w/
E-approval: Yes

171328 Multi Function Lamp

Lens: HC-CARGO 171330.



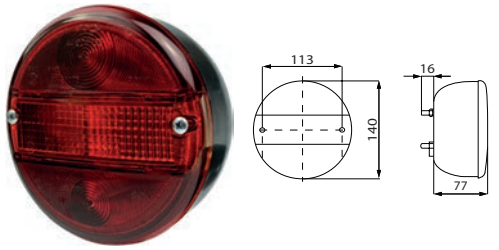
Bulb incl.: No
Watt 1: 21
Watt 2: 5

Dim.: 140x77 mm
OD: 140 mm
Dist. mount. holes: 45 mm

Socket type 1: BA15S
Socket type 2: BA15S
Material: Shockproof plastic
Shape: Circular
Fixing screw: 2
Flasher light: w/
Numberplate light: w/
Tail light: w/
Stop light: w/
E-approval: Yes

171329 Multi Function Lamp

Mounting kit: HC-CARGO 171266. Lens: HC-CARGO 171330.



Bulb incl.: No

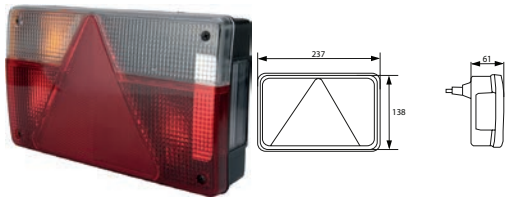
Dim.: 140x77 mm
OD: 140 mm
Dist. mount. holes: 45 mm

Socket type: BA15S
Material: Shockproof plastic
Shape: Circular
Fixing screw: 2
Flasher light: w/
Tail light: w/
Stop light: w/
E-approval: Yes

171870 Multi Function Lamp

Servicing: HC-CARGO 171818, 171872

Multi connector: HC-CARGO 171372, 171373. Lens: HC-CARGO 171834. Right: HC-CARGO 171871.

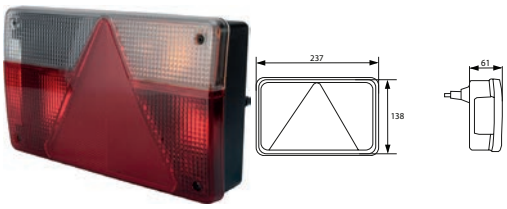
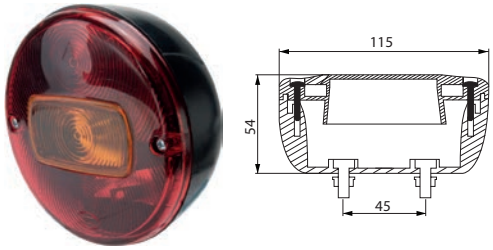


Bulb incl.: Yes
Voltage: 12

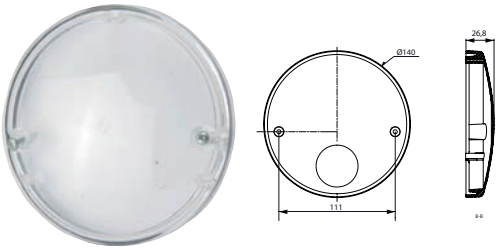
Dim.: 237x138x61 mm

Shape: Rectangular
Flasher light: w/
Numberplate light: w/
Rear/fog lamp: w/
Sidemarker: w/
Stop light: w/
RH/LH: LH
E-approval: Yes

O.E.M. names and numbers are used for reference purposes only.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
171871 Multi Function Lamp	**Servicing:** HC-CARGO 171818, 171872		
Multi connector: HC-CARGO 171372, 171373. Lens: HC-CARGO 171833. Left: HC-CARGO 171872.			
	**Bulb incl.:** Yes **Voltage:** 12	**Dim.:** 237x138x61 mm	**Shape:** Rectangular **Flasher light:** w/ **Numberplate light:** w/ **Rear/fog lamp:** w/ **Sidemarker:** w/ **Stop light:** w/ **RH/LH:** RH **E-approval:** Yes
171917 Multi Function Lamp			
	**Bulb incl.:** No **Watt:** 5 **Watt 2:** 18 **Watt 3:** 18	**Dim.:** 115x54 mm **OD:** 115 mm **Dist. mount. holes:** 45 mm	**Bulb type 1:** 10.5x36 mm **Bulb type 2:** 15x41 mm **Bulb type 3:** 15x41 mm **Socket type:** S8.5 **Socket type 2:** S8.5 **Socket type 3:** S8.5 **Colour/glass:** Red/yellow **Material/dome:** PMMA **Shape:** Round **Fixing screw:** 2 **Flasher light:** w/ **Tail light:** w/ **Stop light:** w/ **RH/LH:** RH/LH

SPARE PARTS

170910 Lens, Rear Lamp	**Servicing:** HC-CARGO 170909		
		**Dim.:** 140x26.8 mm **Dist. mount. holes:** 111 mm	**Colour:** White **Shape:** Round
171237 Lens, Rear Lamp	**Servicing:** HC-CARGO 171192, 171193, 171194, 171195		
		OD: 140 mm	**Type:** Tail lamp **Material:** Plastic **Shape:** Circular **RH/LH:** RH/LH
171330 Lens, Rear Lamp	**Servicing:** HC-CARGO 171328, 171329		
		OD: 140 mm	**Shape:** Circular **RH/LH:** RH/LH

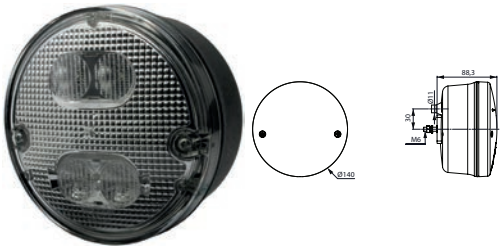
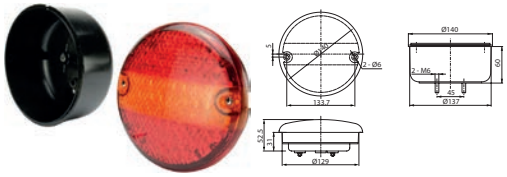
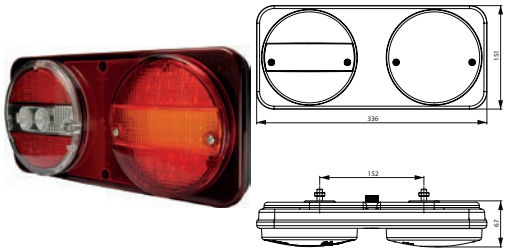
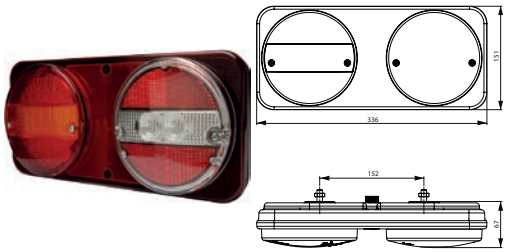
ACCESSORIES

171788 Multiconnector 7 pin	**Servicing:** HC-CARGO 171506, 171756, 171757, 171802, 171803, 171927, 171928, 171929, 171930, 172061, 172062, 172063, 172064		
Gasket: HC-CARGO 192178. Terminal: HC-CARGO 193250.			
			Type/terminal: Round **Colour:** Black **No./poles:** 7 **Plug:** Female

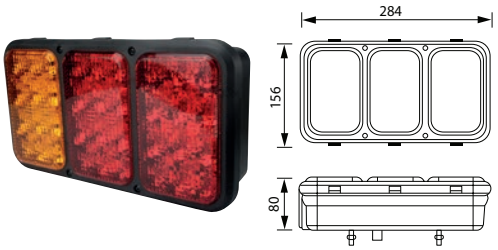
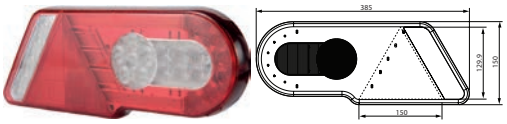
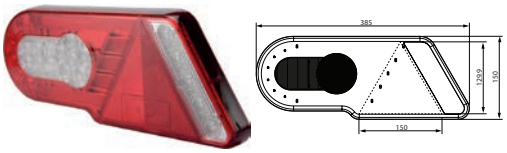
O.E.M. names and numbers are used for reference purposes only.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
172066 Multiconnector 7 pin	**Servicing:** HC-CARGO 171506, 171756, 171757, 171802, 171803, 171927, 171928, 171929, 171930, 172061, 172062, 172063, 172064		
			Type/terminal: Round **Colour:** Black **No./poles:** 7 **Plug:** Female
181627 Bayonet connector	**Servicing:** HC-CARGO 181617		
	Voltage: 12		**Mount.:** Terminal **No./poles:** 8

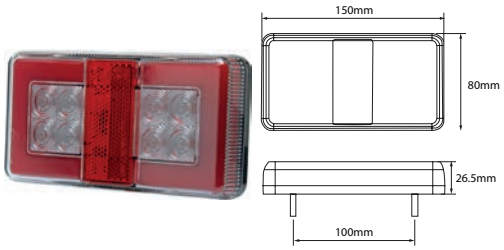
TRAILER LAMPS LED (TRUCKS)

170909 LED Fog/Reverse Lamp			
Lens and o-ring: HC-CARGO 170910.			
	**Voltage:** 12/24	**Dim.:** 140x88.3 mm **OD:** 140 mm **Dist. mount. holes:** 45 mm	**Type:** LED **Colour/glass:** White **Material:** Shockproof plastic **Shape:** Round **Fixing screw:** 2 **Rear/fog lamp:** w/ **Tail light:** w/ **LEDs:** w/ **No./LEDs:** 4 **E-approval:** Yes
171549 LED Multifunction Lamp			
Mounting kit: HC-CARGO 171266.			
	**Voltage:** 9-33	**Dim.:** 140x60 mm **Dist. mount. holes:** 45 mm	**Type:** LED **Colour:** Black **Material:** Shockproof plastic **Shape:** Circular **Fixing screw:** 2 **Flasher light:** w/ **Tail light:** w/ **Stop light:** w/ **No./LEDs:** 63 **E-approval:** Yes
171665 LED Multifunction Lamp			
Right: HC-CARGO 171666.			
	**Voltage:** 12/24	**Dim.:** 336x151x67 mm **Dist. mount. holes:** 152 mm	**Type:** LED **Material:** Shockproof plastic **Shape:** Rectangular **Reflector:** w/ **Flasher light:** w/ **Reverse light:** w/ **Tail light:** w/ **Stop light:** w/ **RH/LH:** LH **E-approval:** Yes
171666 LED Multifunction Lamp			
Left: HC-CARGO 171665.			
	**Voltage:** 12/24	**Dim.:** 336x151x67 mm **Dist. mount. holes:** 152 mm	**Type:** LED **Material:** Shockproof plastic **Shape:** Rectangular **Reflector:** w/ **Flasher light:** w/ **Reverse light:** w/ **Tail light:** w/ **Stop light:** w/ **RH/LH:** RH **E-approval:** Yes

O.E.M. names and numbers are used for reference purposes only.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
171725 LED Multifunction Lamp *Ring: amber, center: red.* 	**Voltage:** 12/24	**Dim.:** 122x84.5 mm **OD:** 122 mm **Cable length:** 150 mm **Dist. mount. holes:** 44 mm	**Type:** LED **Material:** Shockproof plastic **Material/dome:** Shockproof plastic **Shape:** Round **Fixing screw:** 6 **Flasher light:** w/ **Tail light:** w/ **Stop light:** w/ **No./LEDs:** 44 **E-approval:** Yes
171726 LED Fog/Reverse Lamp *Ring: clear, center: red.* 	**Voltage:** 12/24	**Dim.:** 122x84.5 mm **OD:** 122 mm **Cable length:** 150 mm **Dist. mount. holes:** 44 mm	**Type:** LED **Material:** Shockproof plastic **Material/dome:** Shockproof plastic **Rear/fog lamp:** w/ **Reverse light:** w/ **No./LEDs:** 38 **E-approval:** Yes
171772 LED Multifunction Lamp *White=ground. Brown=tail. Yellow=flasher. Red=stop.* 	**Voltage:** 24	**Dim.:** 284x156x102 mm **Dist. mount. holes:** 130x78 mm	**Type:** Tail lamp **Material:** Polypropylene **Material/dome:** PMMA **Shape:** Rectangular **Mount.:** 4 screws **Reflector:** w/ **Flasher light:** w/ **Tail light:** w/ **Stop light:** w/ **No./LEDs:** 3x16 **RH/LH:** RH/LH **E-approval:** Yes
171927 LED Multifunction Lamp *Left: HC-CARGO 171928. Multi-plug: HC-CARGO 171788, 172066.* 	**Voltage:** 12-24	**Dim.:** 385x150x34.1 mm **Dist. mount. holes:** 152.3 mm	**Type:** LED **Shape:** Rectangular **Reflector:** w/ **Flasher light:** w/ **Rear/fog lamp:** w/ **Reverse light:** w/ **Tail light:** w/ **Stop light:** w/ **RH/LH:** RH **Tightness norm:** IP 67 **Approvals:** CE **E-approval:** Yes
171928 LED Multifunction Lamp *Right: HC-CARGO 171927. Multi-plug: HC-CARGO 171788, 172066.* 	**Voltage:** 12-24	**Dim.:** 385x150x34.1 mm **Dist. mount. holes:** 152 mm	**Type:** LED **Shape:** Rectangular **Reflector:** w/ **Flasher light:** w/ **Rear/fog lamp:** w/ **Reverse light:** w/ **Tail light:** w/ **Stop light:** w/ **RH/LH:** LH **Tightness norm:** IP 67 **Approvals:** CE **E-approval:** Yes

O.E.M. names and numbers are used for reference purposes only.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
171929 LED Multifunction Lamp			
Left: HC-CARGO 171930. Multi-plug: HC-CARGO 171788, 172066.			
	Voltage: 12-24	**Dim.:** 240.3x140x31 mm **Dist. mount. holes:** 152 mm	**Type:** LED **Shape:** Rectangular **Reflector:** w/ **Flasher light:** w/ **Rear/fog lamp:** w/ **Reverse light:** w/ **Tail light:** w/ **Stop light:** w/ **RH/LH:** RH **Tightness norm:** IP 67 **Approvals:** CE **E-approval:** Yes
171930 LED Multifunction Lamp			
Right: HC-CARGO 171929. Multi-plug: HC-CARGO 171788, 172066.			
	Voltage: 12-24	**Dim.:** 240.3x140x31 mm **Dist. mount. holes:** 152 mm	**Type:** LED **Shape:** Rectangular **Reflector:** w/ **Flasher light:** w/ **Rear/fog lamp:** w/ **Reverse light:** w/ **Tail light:** w/ **Stop light:** w/ **RH/LH:** LH **Tightness norm:** IP 67 **Approvals:** CE **E-approval:** Yes
171952 LED Multifunction Lamp			
	**Voltage:** 12-24	**Dim.:** 150x80x26.5 mm **Cable length:** 300 mm **Dist. mount. holes:** 100 mm	**Mount.:** 2 screws **Reflector:** w/ **No./reflectors:** 1 **Flasher light:** w/ **Tail light:** w/ **Stop light:** w/ **Tightness norm:** IP 67 **Approvals:** CE **E-approval:** Yes

SPARE PARTS

172065 Lens, Rear Lamp	**Servicing:** HC-CARGO 172061, 172062		
NEW PRODUCT www.hc-cargo.com		**Dim.:** 401.8x155.2 mm	**Material/dome:** Polycarbonate **RH/LH:** RH/LH
172067 Lens, Rear Lamp	**Servicing:** HC-CARGO 172063, 172064		
		Dim.: 401.8x155.2 mm	**Material/dome:** Polycarbonate **RH/LH:** RH/LH

ACCESSORIES

160970 Load Resistor 12 V			
Contains: 2 pcs.			
	Voltage: 12 **Amp:** 2 **Watt:** 50	**Length:** 50 mm **Width:** 15 mm	

O.E.M. names and numbers are used for reference purposes only.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
160971 Load Resistor 24 V *Contains: 2 pcs.*			
	Voltage: 24 **Amp:** 1 **Watt:** 50	**Length:** 50 mm **Width:** 15 mm	

TRAILER LAMPS (TRUCKS) W/ LED

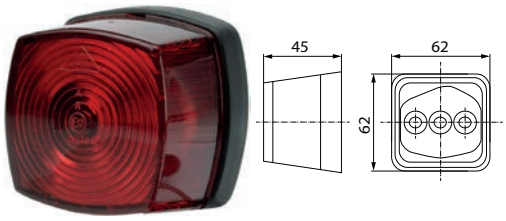
172061 LED Multifunction Lamp *Lens: HC-CARGO 172065. Left: HC-CARGO 172062. Plug: HC-CARGO 171788, 172066.*			
	Voltage: 12-24	**Dim.:** 426.3x155.2x111.6 mm **Dist. mount. holes:** 152 mm	**Type:** LED **Material:** PP **Material/dome:** Polycarbonate **Shape:** Rectangular **Reflector:** w/ **Flasher light:** w/ **Rear/fog lamp:** w/ **Reverse light:** w/ **Sidemarker lamp:** w/ **Tail light:** w/ **Stop light:** w/ **RH/LH:** RH **E-approval:** Yes
172062 LED Multifunction Lamp *Lens: HC-CARGO 172065. Right: HC-CARGO 172061. Plug: HC-CARGO 171788, 172066.*			
	Voltage: 12-24	**Dim.:** 426.3x155.2x111.6 mm **Dist. mount. holes:** 152 mm	**Type:** LED **Material:** PP **Material/dome:** Polycarbonate **Shape:** Rectangular **Reflector:** w/ **Flasher light:** w/ **Rear/fog lamp:** w/ **Reverse light:** w/ **Sidemarker lamp:** w/ **Tail light:** w/ **Stop light:** w/ **RH/LH:** LH **E-approval:** Yes
172063 LED Multifunction Lamp *Lens: HC-CARGO 172067. Left: HC-CARGO 172064. Plug: HC-CARGO 171788, 172066.*			
	Voltage: 12-24	**Dim.:** 401.8x155.2x112.3 mm **Dist. mount. holes:** 152 mm	**Type:** LED **Material:** PP **Material/dome:** Polycarbonate **Shape:** Rectangular **Reflector:** w/ **Flasher light:** w/ **Rear/fog lamp:** w/ **Reverse light:** w/ **Sidemarker lamp:** w/ **Tail light:** w/ **Stop light:** w/ **RH/LH:** RH **E-approval:** Yes
172064 LED Multifunction Lamp *Lens: HC-CARGO 172067. Right: HC-CARGO 172063. Plug: HC-CARGO 171788, 172066.*			
	Voltage: 12-24	**Dim.:** 401.8x155.2x112.3 mm **Dist. mount. holes:** 152 mm	**Type:** LED **Material:** PP **Material/dome:** Polycarbonate **Shape:** Rectangular **Reflector:** w/ **Flasher light:** w/ **Rear/fog lamp:** w/ **Reverse light:** w/ **Sidemarker lamp:** w/ **Tail light:** w/ **Stop light:** w/ **RH/LH:** LH **E-approval:** Yes

O.E.M. names and numbers are used for reference purposes only.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

TAIL LAMPS CONVENTIONAL

171173 Tail Lamp

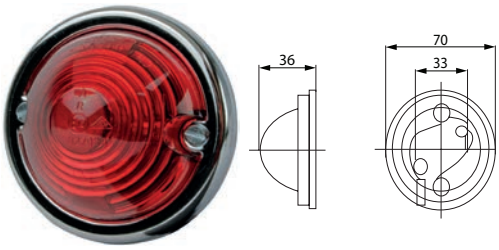


Watt: 5

Dim.: 62x62x45 mm
Dist. mount. holes: 30 mm

Socket type: S8.5
Colour/glass: Red
Material: Shockproof plastic
Shape: Rectangular
Fixing screw: 2
Sidemarker: w/
E-approval: Yes

171178 Tail Lamp

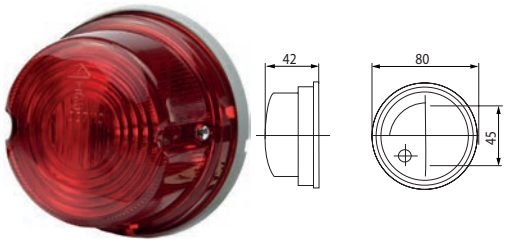


Watt: 5

Dim.: 70x36 mm
Dist. mount. holes: 33 mm

Socket type: S8.5
Colour/glass: Red
Material: Steel
Fixing screw: 2
E-approval: Yes

171181 Tail Lamp

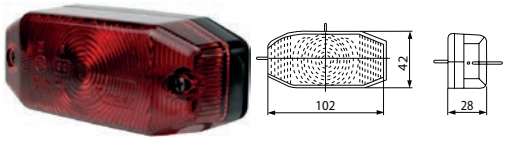


Watt: 5

Dim.: 80x42 mm
Dist. mount. holes: 45 mm

Socket type: S8.5
Colour/glass: Red
Material: Shockproof plastic
Fixing screw: 2
E-approval: Yes

171331 Tail Lamp



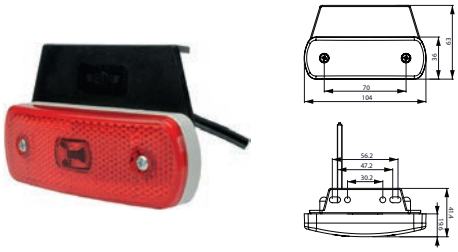
Watt: 5

Dim.: 102x42x28 mm
Dist. mount. holes: 65 mm

Socket type: S8.5
Colour/glass: Red
Material: Plastic
Fixing screw: 2
E-approval: Yes

TAIL LAMPS LED

171580 LED Tail Lamp

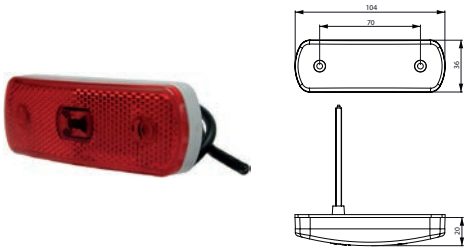


Voltage: 12

Dim.: 104x36x19.6 mm
Cable length: 500 mm
Dist. mount. holes: 70 mm

Type: LED
Colour/glass: Red
Material: Shockproof plastic
Shape: Rectangular
Bracket: Angled
Reflector: w/
Fixing screw: 2
Tail light: w/
No./LEDs: 3
E-approval: Yes

171599 LED Tail Lamp



Voltage: 24

Dim.: 104x36x20 mm
Cable length: 500 mm
Dist. mount. holes: 70 mm

Type: LED
Colour/glass: Red
Material: Shockproof plastic
Shape: Rectangular
Reflector: w/
Fixing screw: 2
Tail light: w/
No./LEDs: 3
E-approval: Yes

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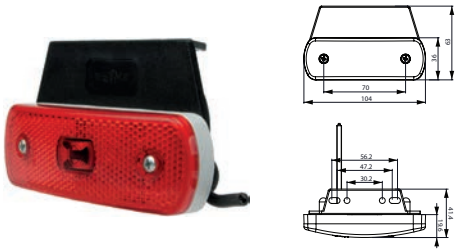
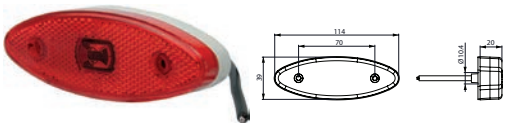
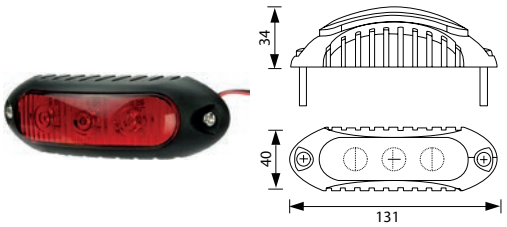
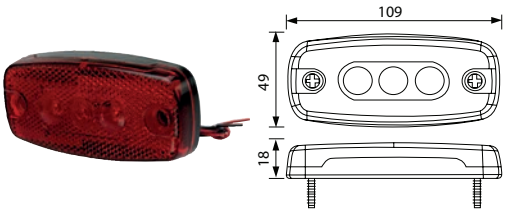
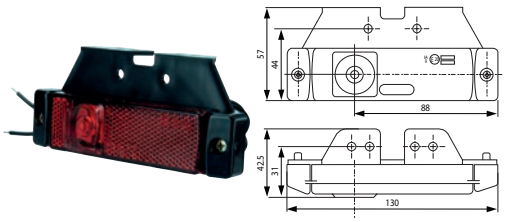
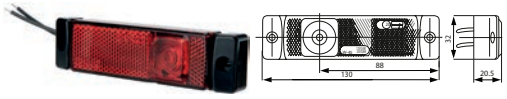
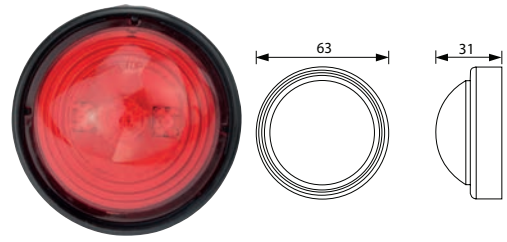
	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
171600 LED Tail Lamp			
	**Voltage:** 24	**Dim.:** 104x36x19.6 mm **Cable length:** 500 mm **Dist. mount. holes:** 70 mm	**Type:** LED **Colour/glass:** Red **Material:** Shockproof plastic **Shape:** Rectangular **Bracket:** Angled **Reflector:** w/ **Fixing screw:** 2 **Tail light:** w/ **No./LEDs:** 3 **E-approval:** Yes
171605 LED Tail Lamp			
	**Voltage:** 24	**Dim.:** 114x39x20 mm **Cable length:** 500 mm **Dist. mount. holes:** 70 mm	**Type:** LED **Colour/glass:** Red **Material:** Shockproof plastic **Shape:** Oval **Reflector:** w/ **Fixing screw:** 2 **Tail light:** w/ **No./LEDs:** 3 **Approvals:** ADR **E-approval:** Yes
171635 LED Tail Lamp			
	**Voltage:** 9-36	**Dim.:** 131x40x34 mm **Dist. mount. holes:** 115 mm	**Type:** LED **Colour/glass:** Red **Material:** PP/PMMA **Shape:** Oval **Tail light:** w/ **No./LEDs:** 3 **E-approval:** Yes
171637 LED Tail Lamp			
	**Voltage:** 9-36 **Watt:** 0.9	**Dim.:** 109x49x18 mm **Dist. mount. holes:** 83 mm	**Type:** LED **Colour/glass:** Red **Shape:** Rectangular **Reflector:** w/ **Tail light:** w/ **No./LEDs:** 3 **E-approval:** Yes
171719 LED Tail Lamp			
	**Voltage:** 12/24	**Dim.:** 130x57x42.5 mm **Dist. mount. holes:** 50 mm	**Type:** LED **Colour/glass:** Red **Material:** Shockproof plastic **Shape:** Rectangular **Bracket:** Angled **Reflector:** w/ **Tail light:** w/ **No./LEDs:** 1 **E-approval:** Yes
171720 LED Tail Lamp			
	**Voltage:** 12/24	**Dim.:** 130x32x20.5 mm **Dist. mount. holes:** 50 mm	**Type:** LED **Colour/glass:** Red **Material:** Shockproof plastic **Shape:** Rectangular **Reflector:** w/ **Tail light:** w/ **No./LEDs:** 1 **E-approval:** Yes
171743 LED Tail Lamp			
	**Voltage:** 9-36	**Dim.:** 63x31 mm **Cable length:** 300 mm **Dist. mount. holes:** 30 mm	**Type:** LED **Colour:** Black **Colour/glass:** Red **Material:** PVC **Material/dome:** PMMA **Mount.:** 2 screws **Tail light:** w/ **No./LEDs:** 3 **Approvals:** ADR/SAE **E-approval:** Yes

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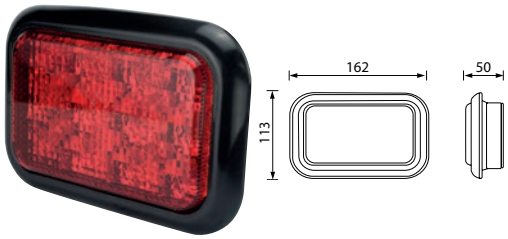
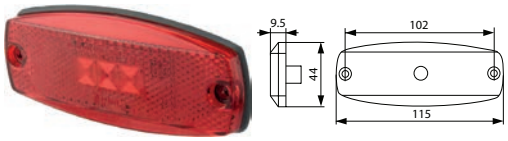
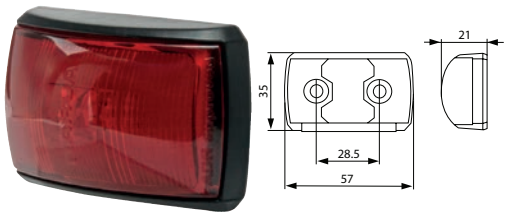
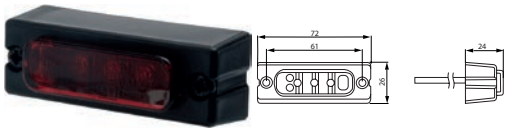
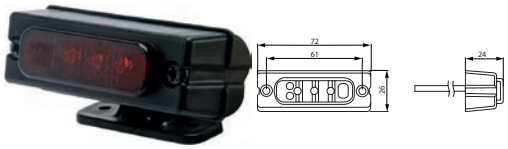
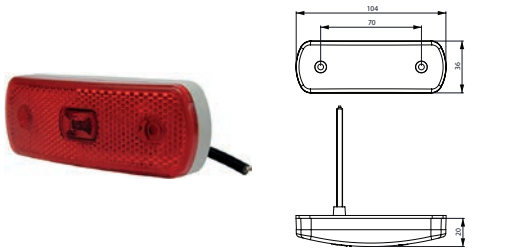
	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
171771 LED Tail Lamp			
	**Voltage:** 24 **Watt:** 2.5	**Dim.:** 162x113x50 mm	**Type:** Tail lamp **Colour/glass:** Red **Material:** ABS plastic **Material/dome:** PMMA **Shape:** Rectangular **Mount.:** Plan installation **Tail light:** w/ **Stop light:** w/ **No./LEDs:** 16 **RH/LH:** RH/LH **E-approval:** Yes
171840 LED Tail Lamp			
	**Voltage:** 12/24 **Watt:** 0.45-1.6	**Dim.:** 115x44x9.5 mm **Cable length:** 5000 mm **Dist. mount. holes:** 102 mm	**Type:** LED **Colour:** White **Colour/glass:** Red **Material:** Polycarbonate **Material/dome:** Polycarbonate **Shape:** Rectangular **Mount.:** 2 screws **Reflector:** w/ **Tail light:** w/ **No./LEDs:** 3 **Tightness norm:** IP 67 **Approvals:** SAE **E-approval:** Yes
171843 LED Tail Lamp			
	**Voltage:** 12/24	**Dim.:** 57x35x21 mm **Cable length:** 400 mm **Dist. mount. holes:** 28 mm	**Type:** LED **Colour:** Black **Colour/glass:** Red **Shape:** Rectangular **Fixing screw:** 2 **Tail light:** w/ **No./LEDs:** 2 **Tightness norm:** IP 67 **E-approval:** Yes
171861 LED Tail Lamp			
	**Voltage:** 12/24 **Watt:** 0.3-0.6	**Dim.:** 72x26x24 mm **Cable length:** 5000 mm	**Type:** LED **Colour:** Black **Colour/glass:** Red **Material:** PP **Material/dome:** PMMA **Shape:** Rectangular **Fixing screw:** 2 **Tail light:** w/ **No./LEDs:** 3 **Approvals:** CE **E-approval:** Yes
171867 LED Tail Lamp			
	**Voltage:** 12/24 **Watt:** 0.3-0.6	**Dim.:** 72x26x24 mm **Cable length:** 5000 mm	**Type:** LED **Colour:** Black **Colour/glass:** Red **Material:** PP **Material/dome:** PMMA **Shape:** Rectangular **Bracket:** Adjustable **Fixing screw:** 2 **Tail light:** w/ **No./LEDs:** 3 **Approvals:** CE **E-approval:** Yes
172034 LED Tail Lamp			
	**Voltage:** 12/24	**Dim.:** 104x36x20 mm **Cable length:** 500 mm **Dist. mount. holes:** 70 mm	**Type:** LED **Colour/glass:** Red **Material:** Shockproof plastic **Shape:** Rectangular **Reflector:** w/ **Fixing screw:** 2 **Tail light:** w/ **No./LEDs:** 3 **E-approval:** Yes

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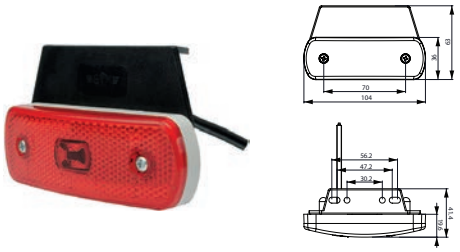
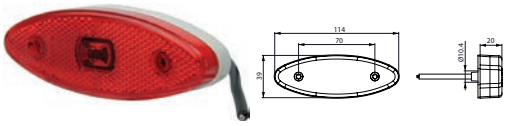
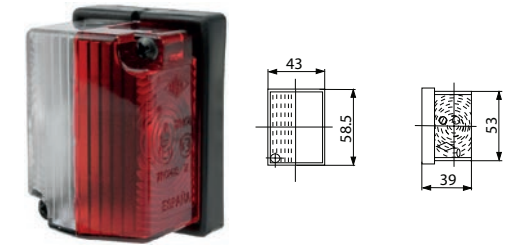
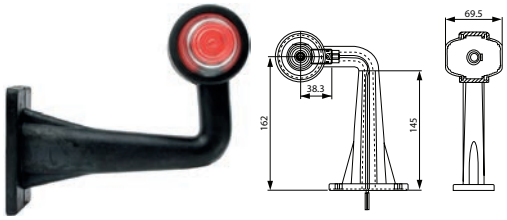
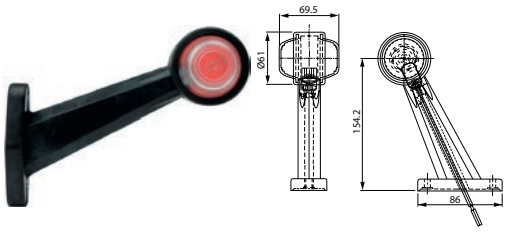
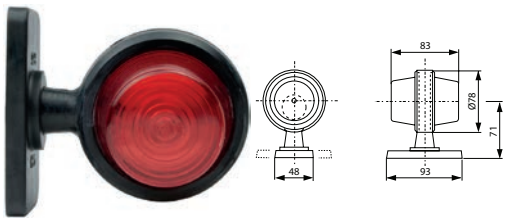
	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
172035 LED Tail Lamp			
	**Voltage:** 12/24	**Dim.:** 104x36x20 mm **Cable length:** 500 mm **Dist. mount. holes:** 70 mm	**Type:** LED **Colour/glass:** Red **Material:** Shockproof plastic **Shape:** Rectangular **Bracket:** Angled **Reflector:** w/ **Fixing screw:** 2 **Tail light:** w/ **No./LEDs:** 3 **E-approval:** Yes
172040 LED Tail Lamp			
	**Voltage:** 12/24	**Dim.:** 114x39x20 mm **Cable length:** 500 mm **Dist. mount. holes:** 70 mm	**Type:** LED **Colour/glass:** Red **Material:** Shockproof plastic **Shape:** Oval **Reflector:** w/ **Fixing screw:** 2 **Tail light:** w/ **No./LEDs:** 3 **Approvals:** ADR **E-approval:** Yes

TAIL POSITION LAMPS CONVENTIONAL

170552 Tail/Position Lamp			
	**Bulb incl.:** No **Watt:** 5	**Dim.:** 58.5x43x39 mm **Dist. mount. holes:** 25 mm	**Socket type:** S8.5 **Colour/glass:** Red/white **Material:** Shockproof plastic **Shape:** Rectangular **Fixing screw:** 2 **Sidemarker:** w/ **Tail light:** w/ **RH/LH:** RH/LH **E-approval:** Yes
170632 Tail/Position Lamp			
Lens: HC-CARGO 170635, 170636.			
	**Bulb incl.:** No **Watt:** 10	**Dim.:** 162x69.5 mm **Dist. mount. holes:** 76 mm	**Socket type:** BA15S **Colour/glass:** Red/white **Sidemarker:** w/ **Tail light:** w/ **E-approval:** Yes
170633 Tail/Position Lamp			
Lens: HC-CARGO 170635, 170636.			
	**Bulb incl.:** No **Watt:** 10	**Dim.:** 154.2x69.5 mm **Dist. mount. holes:** 75 mm	**Socket type:** BA15S **Colour/glass:** Red/white **Sidemarker:** w/ **Tail light:** w/ **E-approval:** Yes
170640 Tail/Position Lamp			
Lens: HC-CARGO 170642, 170641. Bulb holder: HC-CARGO 170671.			
	**Bulb incl.:** No **Watt:** 5	**Dim.:** 110x78x93 mm **OD:** 60 mm **Dist. mount. holes:** 75 mm	**Socket type:** BA15S **Colour/glass:** Red/white **Shape:** Round **Sidemarker:** w/ **Tail light:** w/ **E-approval:** Yes

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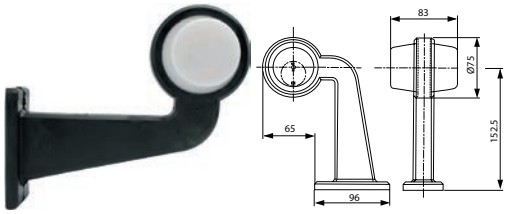
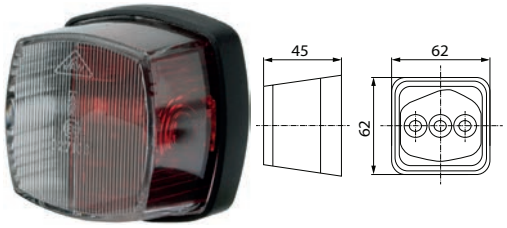
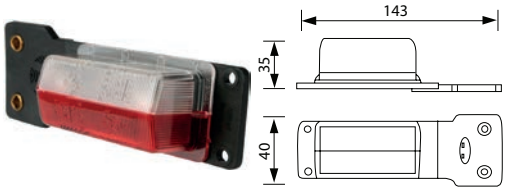
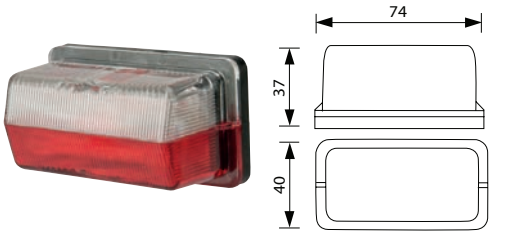
	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
170668 Tail/Position Lamp			
Lens: HC-CARGO 170642, 170641. Bulb holder: HC-CARGO 170671. Bulbs: HC-CARGO 170773.			
	**Bulb incl.:** No **Watt:** 5	**Dim.:** 152.5x83 mm **OD:** 60 mm **Dist. mount. holes:** 74 mm	**Socket type:** BA15S **Colour/glass:** Red/white **Sidemarker:** w/ **Tail light:** w/ **E-approval:** Yes
171196 Tail/Position Lamp			
	**Bulb incl.:** No **Watt:** 5	**Dim.:** 62x62x45 mm **Dist. mount. holes:** 30 mm	**Socket type:** S8.5 **Colour/glass:** Red/white **Material:** Shockproof plastic **Shape:** Square **Fixing screw:** 2 **Sidemarker:** w/ **Tail light:** w/ **RH/LH:** RH/LH **E-approval:** Yes
171627 Tail/Position Lamp			
	**Bulb incl.:** No **Voltage:** 12/24 **Watt:** 5	**Dim.:** 143x40x35 mm **Dist. mount. holes:** 30 mm	**Socket type:** S8.5 **Material:** Plastic **Shape:** Rectangular **Sidemarker:** w/ **Tail light:** w/ **Approvals:** ADR **E-approval:** Yes
171706 Tail/Position Lamp	**Servicing:** HC-CARGO 171627		
	**Bulb incl.:** No **Voltage:** 12/24 **Watt:** 5	**Dim.:** 74x40x37 mm **Dist. mount. holes:** 45 mm	**Socket type:** S8.5 **Shape:** Rectangular **Sidemarker:** w/ **Tail light:** w/ **Approvals:** ADR **E-approval:** Yes

SPARE PARTS

170635 Lens	**Servicing:** HC-CARGO 170632, 170633		
			Colour/glass: White **Material:** Glass **Shape:** Round
170636 Lens	**Servicing:** HC-CARGO 170632, 170633		
			Colour/glass: Red **Material:** Glass **Shape:** Round
170641 Lens	**Servicing:** HC-CARGO 170640, 170668		
			Colour/glass: Red **Material:** Glass **Shape:** Round

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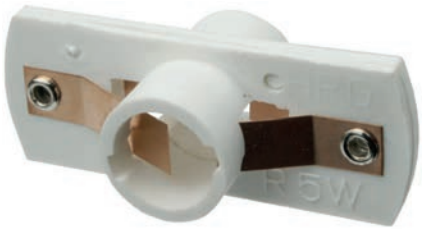
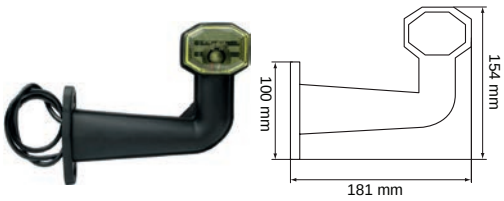
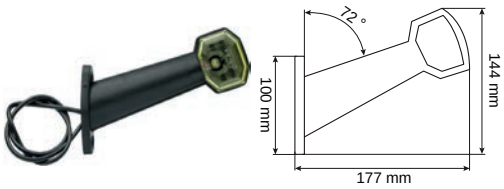
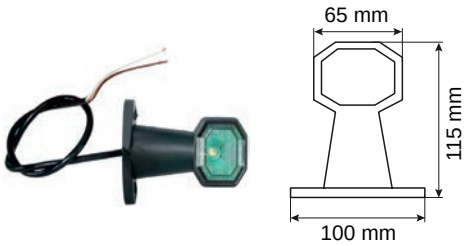
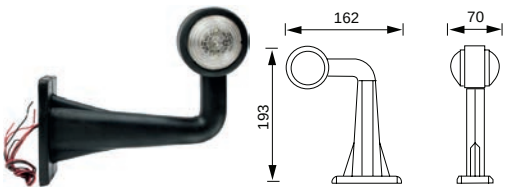
	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
170642 Lens	**Servicing:** HC-CARGO 170640, 170668		
			Colour/glass: White **Material:** Glass
170671 Bulb Holder	**Servicing:** HC-CARGO 170640, 170668, 170713		
			

TAIL POSITION LAMPS LED

171528 LED Tail-Position Lamp *Flange 100x41 mm.*			
	**Voltage:** 24	**Dim.:** 181x154x48 mm **Cable length:** 700 mm **Dist. mount. holes:** 73 mm	**Type:** LED **Colour/glass:** Red/white **Material:** Rubber **Material/dome:** Shockproof plastic **Fixing screw:** 2 **Sidemarker:** w/ **Tail light:** w/ **No./LEDs:** 2x1 **RH/LH:** RH/LH **E-approval:** Yes
171529 LED Tail-Position Lamp *Flange 100x41 mm.*			
	**Voltage:** 24	**Dim.:** 177x144x48 mm **Cable length:** 700 mm **Dist. mount. holes:** 73 mm	**Type:** LED **Colour/glass:** Red/white **Material:** Rubber **Material/dome:** Shockproof plastic **Fixing screw:** 2 **Sidemarker:** w/ **Tail light:** w/ **No./LEDs:** 2x1 **RH/LH:** RH/LH **E-approval:** Yes
171530 LED Tail-Position Lamp			
	**Voltage:** 24	**Dim.:** 115x65x48 mm **Cable length:** 700 mm **Dist. mount. holes:** 73 mm	**Type:** LED **Colour/glass:** Red/white **Material:** Rubber **Material/dome:** Shockproof plastic **Fixing screw:** 2 **Sidemarker:** w/ **Tail light:** w/ **No./LEDs:** 2x1 **RH/LH:** RH/LH **E-approval:** Yes
171591 LED Tail-Position Lamp			
	**Voltage:** 9-36	**Dim.:** 193x162x70 mm **Dist. mount. holes:** 78 mm	**Type:** LED **Colour/glass:** Red/white **Sidemarker:** w/ **Tail light:** w/ **No./LEDs:** 2x3 **RH/LH:** RH/LH **Approvals:** ADR/SAE **E-approval:** Yes

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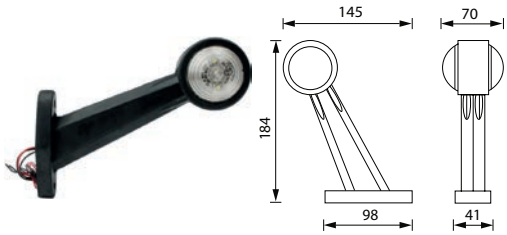
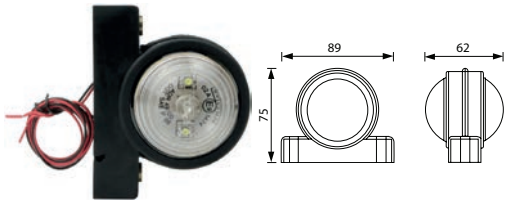
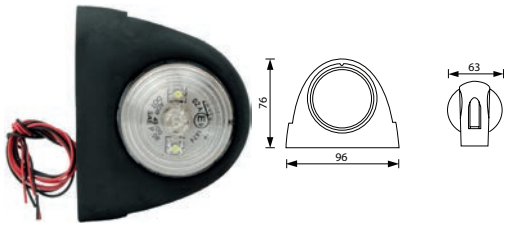
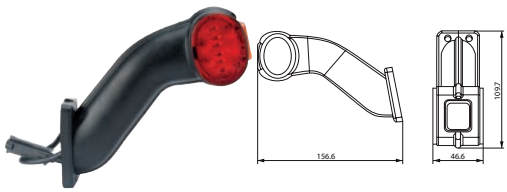
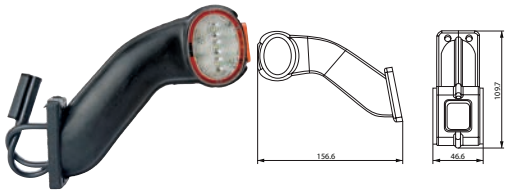
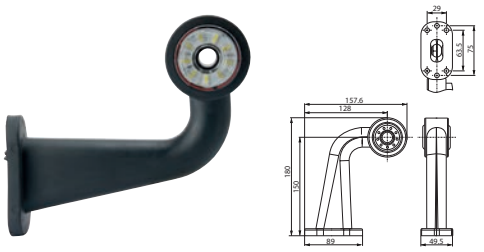
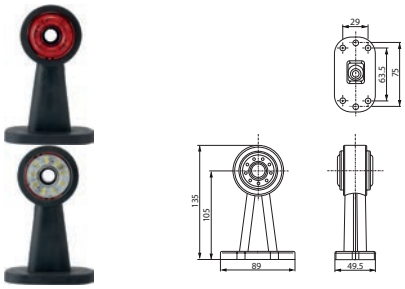
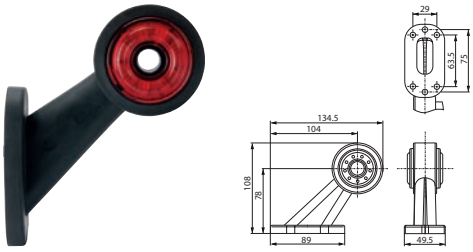
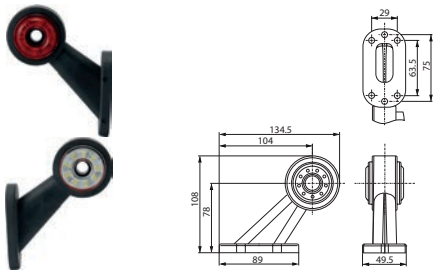
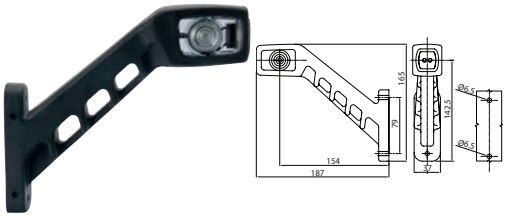
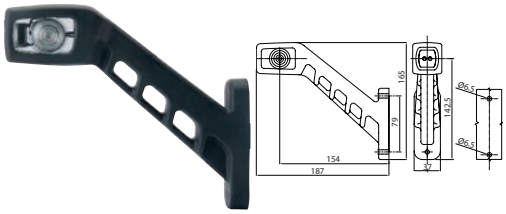
	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
171592 LED Tail-Position Lamp			
	**Voltage:** 9-36	**Dim.:** 184x145x70 mm **Dist. mount. holes:** 78 mm	**Type:** LED **Colour/glass:** Red/white **Sidemarker:** w/ **Tail light:** w/ **No./LEDs:** 2x3 **RH/LH:** RH/LH **Approvals:** SAE **E-approval:** Yes
171593 LED Tail-Position Lamp			
	**Voltage:** 9-36	**Dim.:** 75x89x62 mm **OD:** 45 mm **Dist. mount. holes:** 78 mm	**Type:** LED **Colour/glass:** Red/white **Material:** Rubber **Sidemarker:** w/ **Tail light:** w/ **No./LEDs:** 2x3 **RH/LH:** RH/LH **Approvals:** ADR/SAE **E-approval:** Yes
171617 LED Tail-Position Lamp			
	**Voltage:** 9-36	**Dim.:** 96x76x63 mm **OD:** 76 mm **Dist. mount. holes:** 78 mm	**Type:** LED **Colour/glass:** Red/white **Material:** Synthetic rubber **Sidemarker:** w/ **Tail light:** w/ **No./LEDs:** 2x3 **RH/LH:** RH/LH **Approvals:** ADR/SAE **E-approval:** Yes
171730 LED Tail/Position/Side Marker			
w/ 128 mm rubber arm. Cover of click-in connector HC-CARGO 172016.			
	Voltage: 12/24	**Dim.:** 127.1x100.3 mm **Cable length:** 500 mm **Dist. mount. holes:** 78 mm	**Type:** LED **Mount.:** 2 screws **Sidemarker:** w/ **Sidemarker lamp:** w/ **Tail light:** w/ **No./LEDs:** 7 **RH/LH:** RH/LH **Tightness norm:** IP 67 **E-approval:** Yes
171731 LED Tail/Position/Side Marker			
w/ 145 mm rubber arm. Cover of click-in connector HC-CARGO 172016.			
	**Voltage:** 12/24	**Dim.:** 142.2x130.5x40.5 mm **Cable length:** 450 mm **Dist. mount. holes:** 52 mm	**Type:** LED **Colour:** Black **Material:** Rubber **Mount.:** 4 holes **Sidemarker:** w/ **Sidemarker lamp:** w/ **Tail light:** w/ **No./LEDs:** 9 **RH/LH:** RH **E-approval:** Yes
171732 LED Tail/Position/Side Marker			
Cover of click-in connector HC-CARGO 172016.			
	**Voltage:** 12/24	**Dim.:** 142.2x130.5x40.5 mm **Cable length:** 450 mm **Dist. mount. holes:** 52 mm	**Type:** LED **Colour:** Black **Material:** Rubber **Mount.:** 4 holes **Sidemarker:** w/ **Sidemarker lamp:** w/ **Tail light:** w/ **No./LEDs:** 9 **RH/LH:** LH **E-approval:** Yes

O.E.M. names and numbers are used for reference purposes only.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
171733 LED Tail/Position/Side Marker *Cover of click-in connector HC-CARGO 172016.*	**Voltage:** 12/24	**Dim.:** 172.4x166.8x46.6 mm **Cable length:** 500 mm **Dist. mount. holes:** 78 mm	**Type:** LED **Mount.:** 2 screws **Sidemarker:** w/ **Sidemarker lamp:** w/ **Tail light:** w/ **No./LEDs:** 7 **RH/LH:** RH
171734 LED Tail/Position/Side Marker *Cover of click-in connector HC-CARGO 172016.*	**Voltage:** 12/24	**Dim.:** 172.4x166.8x46.6 mm **Cable length:** 500 mm **Dist. mount. holes:** 78 mm	**Type:** LED **Mount.:** 2 screws **Sidemarker:** w/ **Sidemarker lamp:** w/ **Tail light:** w/ **No./LEDs:** 7 **RH/LH:** LH
171958 LED Tail-Position Lamp	**Voltage:** 12-24	**Dim.:** 148.5x125.5x89 mm **Cable length:** 300 mm **Dist. mount. holes:** 63.5/75/29 mm	**Type:** LED **Colour:** Black **Colour/glass:** Red/white **Material:** Rubber **Material/dome:** Shockproof plastic **Shape:** Round **Mount.:** 6 screws **Sidemarker:** w/ **Tail light:** w/ **RH/LH:** RH **Tightness norm:** IP 68 **E-approval:** Yes
171959 LED Tail-Position Lamp	**Voltage:** 12-24	**Dim.:** 148.5x125.5x89 mm **Cable length:** 300 mm **Dist. mount. holes:** 63.5/75/29 mm	**Type:** LED **Colour:** Black **Colour/glass:** Red/white **Material:** Rubber **Material/dome:** Shockproof plastic **Shape:** Round **Mount.:** 6 screws **Sidemarker:** w/ **Tail light:** w/ **RH/LH:** LH **Tightness norm:** IP 68 **E-approval:** Yes
171960 LED Tail-Position Lamp	**Voltage:** 12-24	**Dim.:** 97x78x49 mm **Cable length:** 300 mm **Dist. mount. holes:** 75/63.5/29 mm	**Type:** LED **Colour:** Black **Colour/glass:** Red/white **Material:** Rubber **Material/dome:** Shockproof plastic **Shape:** Round **Mount.:** 6 screws **Sidemarker:** w/ **Tail light:** w/ **RH/LH:** RH/LH **Tightness norm:** IP 68 **E-approval:** Yes
171961 LED Tail-Position Lamp	**Voltage:** 12-24	**Dim.:** 180x157.6x89 mm **Cable length:** 300 mm **Dist. mount. holes:** 75/63.5/29 mm	**Type:** LED **Colour:** Black **Colour/glass:** Red/white **Material:** Rubber **Material/dome:** Shockproof plastic **Shape:** Round **Mount.:** 6 screws **Sidemarker:** w/ **Tail light:** w/ **RH/LH:** RH **Tightness norm:** IP 68 **E-approval:** Yes

O.E.M. names and numbers are used for reference purposes only.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
171962 LED Tail-Position Lamp			
	**Voltage:** 12-24	**Dim.:** 180x157.6x89 mm **Cable length:** 300 mm **Dist. mount. holes:** 75/63.5/29 mm	**Type:** LED **Colour:** Black **Colour/glass:** Red/white **Material:** Rubber **Material/dome:** Shockproof plastic **Shape:** Round **Mount.:** 6 screws **Sidemarker:** w/ **Tail light:** w/ **RH/LH:** LH **Tightness norm:** IP 68 **E-approval:** Yes
171963 LED Tail-Position Lamp			
	**Voltage:** 12-24	**Dim.:** 135x89x49.5 mm **Cable length:** 300 mm **Dist. mount. holes:** 75/63.5/29 mm	**Type:** LED **Colour:** Black **Colour/glass:** Red/white **Material:** Rubber **Material/dome:** Shockproof plastic **Shape:** Round **Mount.:** 6 screws **Sidemarker:** w/ **Tail light:** w/ **RH/LH:** RH/LH **Tightness norm:** IP 68 **E-approval:** Yes
171964 LED Tail-Position Lamp			
	**Voltage:** 12-24	**Dim.:** 134.5x108x89 mm **Cable length:** 300 mm **Dist. mount. holes:** 75/63.5/29 mm	**Type:** LED **Colour:** Black **Colour/glass:** Red/white **Material:** Rubber **Material/dome:** Shockproof plastic **Shape:** Round **Mount.:** 6 screws **Sidemarker:** w/ **Tail light:** w/ **RH/LH:** RH **Tightness norm:** IP 68 **E-approval:** Yes
171965 LED Tail-Position Lamp			
	**Voltage:** 12-24	**Dim.:** 134.5x108x89 mm **Cable length:** 300 mm **Dist. mount. holes:** 75/63.5/29 mm	**Type:** LED **Colour:** Black **Colour/glass:** Red/white **Material:** Rubber **Material/dome:** Shockproof plastic **Shape:** Round **Mount.:** 6 screws **Sidemarker:** w/ **Tail light:** w/ **RH/LH:** LH **Tightness norm:** IP 68 **E-approval:** Yes
171966 LED Tail/Position/Side Marker			
	**Voltage:** 12-24	**Dim.:** 187x165x37 mm **Cable length:** 300 mm **Dist. mount. holes:** 79 mm	**Type:** LED **Colour:** Black **Colour/glass:** Transparent **Material:** Rubber **Material/dome:** Shockproof plastic **Mount.:** 2 screws **Sidemarker:** w/ **Sidemarker lamp:** w/ **Tail light:** w/ **RH/LH:** RH **Tightness norm:** IP 68 **E-approval:** Yes
171967 LED Tail/Position/Side Marker			
	**Voltage:** 12-24	**Dim.:** 187x165x37 mm **Cable length:** 300 mm **Dist. mount. holes:** 79 mm	**Type:** LED **Colour:** Black **Colour/glass:** Transparent **Material:** Rubber **Material/dome:** Shockproof plastic **Mount.:** 2 screws **Sidemarker:** w/ **Sidemarker lamp:** w/ **Tail light:** w/ **RH/LH:** LH **Tightness norm:** IP 68 **E-approval:** Yes

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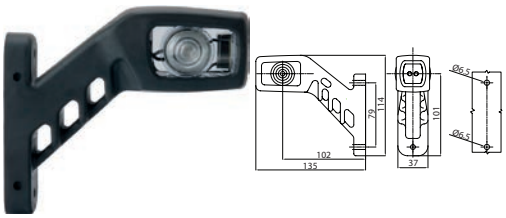
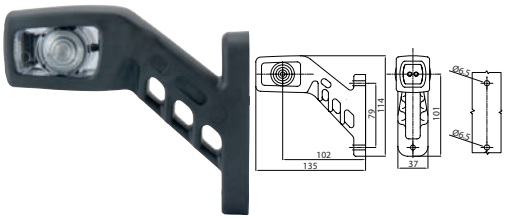
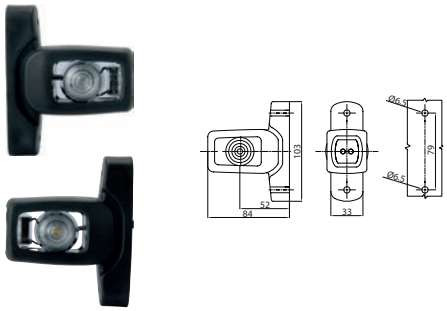
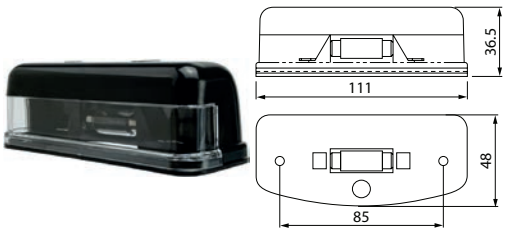
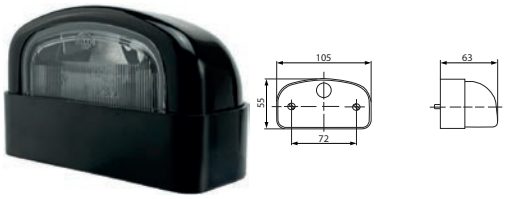
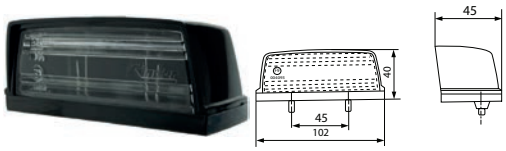
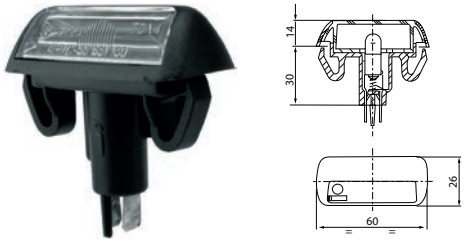
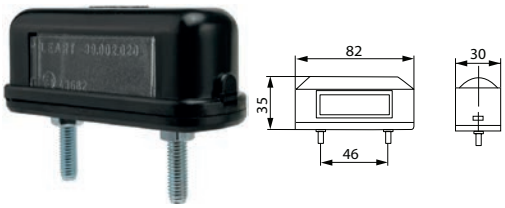
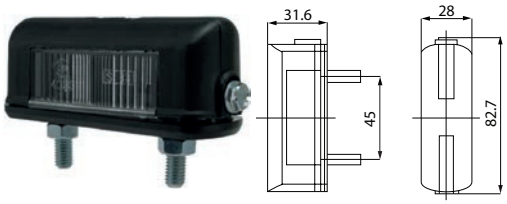
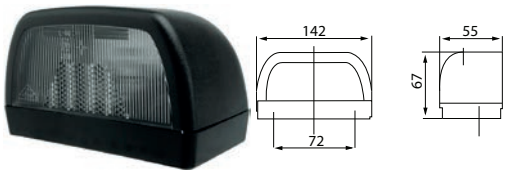
	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
171968 LED Tail/Position/Side Marker			
	**Voltage:** 12-24	**Dim.:** 135x114x37 mm **Cable length:** 300 mm **Dist. mount. holes:** 79 mm	**Type:** LED **Colour:** Black **Colour/glass:** Transparent **Material:** Rubber **Material/dome:** Shockproof plastic **Mount.:** 2 screws **Sidemarker:** w/ **Sidemarker lamp:** w/ **Tail light:** w/ **RH/LH:** RH **Tightness norm:** IP 68 **E-approval:** Yes
171969 LED Tail/Position/Side Marker			
	**Voltage:** 12-24	**Dim.:** 135x114x37 mm **Cable length:** 300 mm **Dist. mount. holes:** 79 mm	**Type:** LED **Colour:** Black **Colour/glass:** Transparent **Material:** Rubber **Material/dome:** Shockproof plastic **Mount.:** 2 screws **Sidemarker:** w/ **Sidemarker lamp:** w/ **Tail light:** w/ **RH/LH:** LH **Tightness norm:** IP 68 **E-approval:** Yes
171970 LED Tail/Position/Side Marker			
	**Voltage:** 12-24	**Dim.:** 103x84x33 mm **Cable length:** 300 mm **Dist. mount. holes:** 79 mm	**Type:** LED **Colour:** Black **Colour/glass:** Transparent **Material:** Rubber **Material/dome:** Shockproof plastic **Mount.:** 2 screws **Sidemarker:** w/ **Sidemarker lamp:** w/ **Tail light:** w/ **RH/LH:** RH/LH **Tightness norm:** IP 68 **E-approval:** Yes

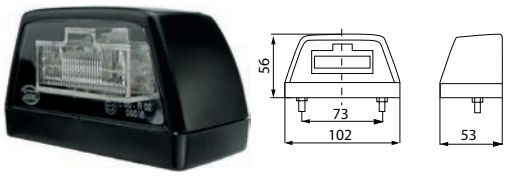
NUMBERPLATE LAMPS CONVENTIONAL

170002 Numberplate Lamp	**Servicing:** Universal		
	**Voltage:** 12/24 **Watt:** 5	**Dim.:** 111x36.5x48 mm	**Socket type:** S8.5 **Colour:** Black **Shape:** Rectangular **Approvals:** CE
170936 Numberplate Lamp			
	**Voltage:** 12 **Watt:** 5	**Dim.:** 105x55x63 mm **Dist. mount. holes:** 72 mm	**Type:** Illumination of numberplate **Socket type:** S8.5 **Colour:** Black **Material:** Shockproof plastic **Fixing screw:** 2 **Numberplate light:** w/ **E-approval:** Yes
171045 Numberplate Lamp			
	**Voltage:** 12/24 **Watt:** 5	**Dim.:** 102x40x45 mm **Dist. mount. holes:** 45 mm	**Type:** Illumination of numberplate **Socket type:** S8.5 **Colour:** Black **Material:** Shockproof plastic **Shape:** Rectangular **Fixing screw:** 2 **E-approval:** Yes

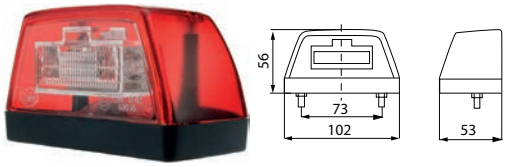
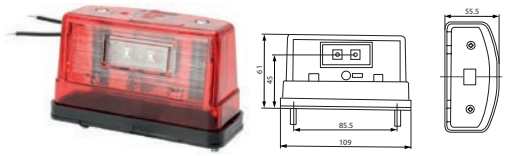
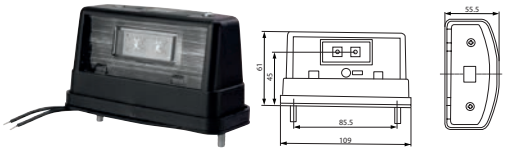
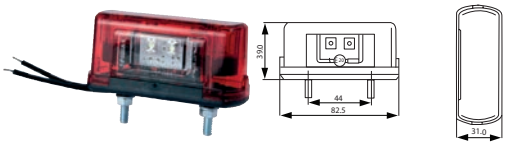
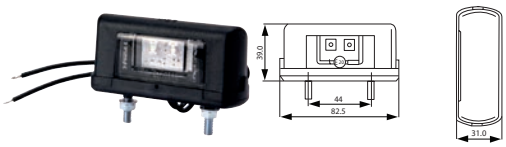
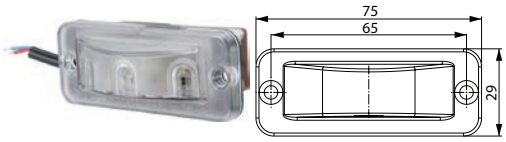
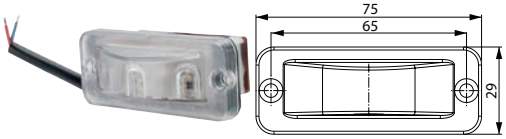
O.E.M. names and numbers are used for reference purposes only.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
171164 Numberplate Lamp	**Servicing:** Ford, Universal		
	**Voltage:** 12 **Watt:** 5	**Dim.:** 60x44x26 mm	**Type:** Illumination of numberplate **Socket type:** T10 **E-approval:** Yes
171166 Numberplate Lamp			
Universal.			
	**Voltage:** 12/24 **Watt:** 5	**Dim.:** 82x35x30 mm **Dist. mount. holes:** 46 mm	**Type:** Illumination of numberplate **Socket type:** S8.5 **Colour:** Black **Fixing screw:** 2 **Numberplate light:** w/ **E-approval:** Yes
171224 Numberplate Lamp			
	**Bulb incl.:** No **Voltage:** 12/24 **Watt:** 5	**Dim.:** 82.7x28x31.6 mm **Dist. mount. holes:** 45 mm	Illumination of numberplate **Socket type:** S8.5 **Colour:** Black **Material:** Shockproof plastic **Shape:** Rectangular **Fixing screw:** 2 **E-approval:** Yes
171225 Numberplate Lamp			
	**Bulb incl.:** No **Voltage:** 12/24 **Watt:** 10	**Dim.:** 142x67x55 mm **Dist. mount. holes:** 72 mm	**Type:** Illumination of numberplate **Socket type:** BA15S **Material:** Shockproof plastic **Fixing screw:** 2 **E-approval:** Yes
171345 Numberplate Lamp			
	Bulb incl.: No **Watt:** 5	**Dim.:** 100x58.1x69.7 mm **Dist. mount. holes:** 58.5 mm	**Type:** Illumination of numberplate **Socket type:** S8.5 **Colour:** Black **Material:** Plastic **Fixing screw:** 2 **E-approval:** Yes
171823 Numberplate Lamp			
	Bulb incl.: No **Watt:** 5	**Dim.:** 100x58.5x55.8 mm **Dist. mount. holes:** 72 mm	**Type:** Illumination of numberplate **Socket type:** S8.5 **Colour:** Black **Colour/glass:** Red **Material:** Plastic **Fixing screw:** 2 **Numberplate light:** w/ **E-approval:** Yes

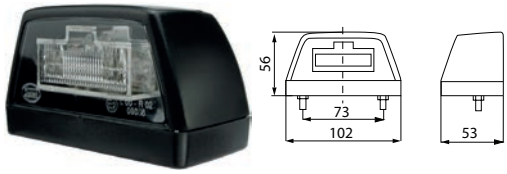
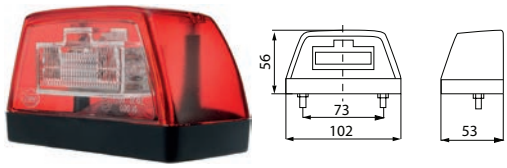
NUMBERPLATE LAMPS LED

171622 LED Numberplate Lamp			
	**Voltage:** 24	**Dim.:** 102x56x53 mm **Dist. mount. holes:** 72 mm	**Type:** LED **Colour:** Black **Colour/glass:** Transparent **Numberplate light:** w/ **No./LEDs:** 4 **E-approval:** Yes

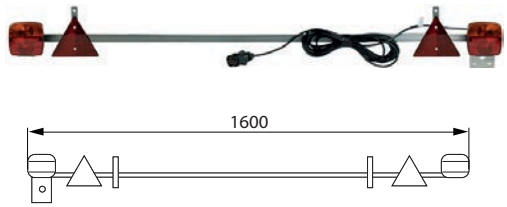
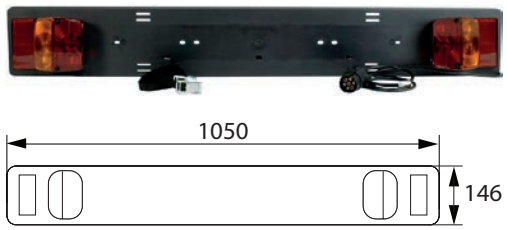
O.E.M. names and numbers are used for reference purposes only.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
171624 LED Numberplate Lamp			
	**Voltage:** 24	**Dim.:** 102x56x53 mm **Dist. mount. holes:** 73 mm	**Type:** LED **Colour:** Black **Colour/glass:** Red **Shape:** Rectangular **Numberplate light:** w/ **LEDs:** w/ **E-approval:** Yes
171709 LED Numberplate Lamp			
	**Voltage:** 12/24	**Dim.:** 109x61x55.5 mm **Dist. mount. holes:** 85.5 mm	**Type:** LED **Socket type:** LED **Colour:** Red **Material:** Shockproof plastic **Fixing screw:** 2 **Numberplate light:** w/ **E-approval:** Yes
171714 LED Numberplate Lamp			
	**Voltage:** 12/24	**Dim.:** 109x61x55.5 mm **Dist. mount. holes:** 85.5 mm	**Type:** LED **Socket type:** LED **Colour:** Black **Material:** Shockproof plastic **Fixing screw:** 2 **Numberplate light:** w/
171715 LED Numberplate Lamp			
	**Voltage:** 12/24	**Dim.:** 82.5x39x31 mm **Dist. mount. holes:** 44 mm	**Type:** LED **Socket type:** LED **Colour/glass:** Red **Material:** Shockproof plastic **Fixing screw:** 2 **Numberplate light:** w/ **Tightness norm:** IP 68 **E-approval:** Yes
171716 LED Numberplate Lamp			
	**Voltage:** 12/24	**Dim.:** 82.5x39x31 mm **Dist. mount. holes:** 44 mm	**Type:** LED **Socket type:** LED **Colour:** Black **Material:** Shockproof plastic **Fixing screw:** 2 **Numberplate light:** w/ **E-approval:** Yes
171737 LED Numberplate Lamp			
	**Voltage:** 12	**Dim.:** 75x29x34 mm **Cable length:** 300 mm **Dist. mount. holes:** 65 mm	**Type:** LED **Mount.:** 2 screws **Numberplate light:** w/ **No./LEDs:** 3 **E-approval:** Yes
171738 LED Numberplate Lamp			
	**Voltage:** 24	**Dim.:** 75x29x34 mm **Cable length:** 300 mm **Dist. mount. holes:** 65 mm	**Type:** LED **Mount.:** 2 screws **Numberplate light:** w/ **No./LEDs:** 3

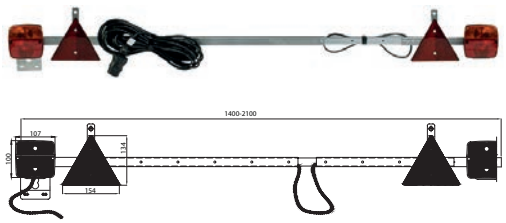
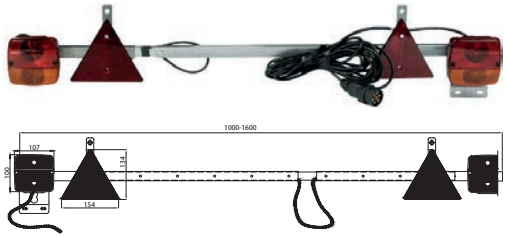
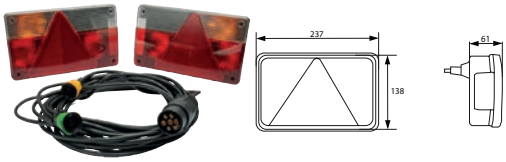
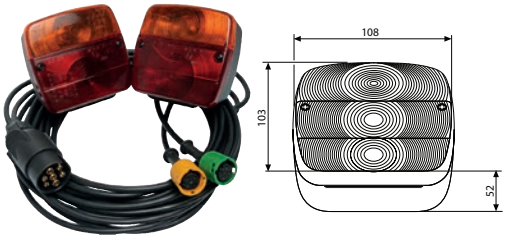
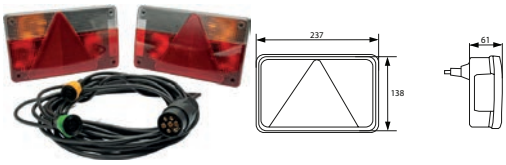
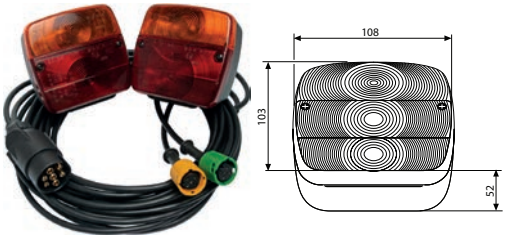
O.E.M. names and numbers are used for reference purposes only.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
171824 LED Numberplate Lamp			
	Voltage: 12/24 **Watt:** 0.5-1.1	**Dim.:** 100x58.5x55.8 mm **Cable length:** 1000 mm **Dist. mount. holes:** 72 mm	**Type:** LED **Colour:** Black **Colour/glass:** White **Material:** Plastic **Fixing screw:** 2 **Numberplate light:** w/ **No./LEDs:** 2 **E-approval:** Yes
172002 LED Numberplate Lamp			
	**Voltage:** 12	**Dim.:** 102x56x53 mm **Dist. mount. holes:** 73 mm	**Type:** LED **Colour:** Black **Colour/glass:** Transparent **Material:** Plastic **Numberplate light:** w/ **No./LEDs:** 4 **E-approval:** Yes
172009 LED Numberplate Lamp			
	**Voltage:** 12	**Dim.:** 102x56x53 mm **Dist. mount. holes:** 73 mm	**Type:** LED **Colour:** Black **Colour/glass:** Red **Material:** Plastic **Shape:** Rectangular **Numberplate light:** w/ **LEDs:** w/ **E-approval:** Yes

TRAILER LIGHTING SETS

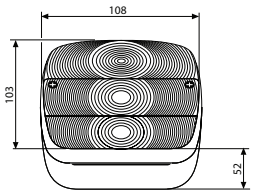
170809 Trailer Lighting Set			
Light construction. 7-pole plug.			
	**Bulb incl.:** Yes **Voltage:** 12	**Dim.:** 1600 mm **Cable length:** 7500 mm	**Material:** Galvanised steel **No./lamps:** 2 **No./reflectors:** 2 **Flasher light:** w/ **Numberplate holder:** w/ **Stop light:** w/
170828 Front/rear lighting set			
7-pole plug. Tail-stop-flash lamp: HC-CARGO 170939. Flash-position lamp: HC-CARGO 170941. Magnet w/ metal bracket: HC-CARGO 170942.			
	Bulb incl.: Yes **Voltage:** 12	**Dim.:** 107x100 mm **Cable length:** 4500/7500 mm	**Mount.:** Magnetic **No./lamps:** 2 **Flasher light:** w/ **Sidemarker:** w/ **Tail light:** w/ **Stop light:** w/
170829 Number Plate Holder			
7-pole plug.			
	**Bulb incl.:** Yes **Voltage:** 12	**Dim.:** 1050x146 mm **Cable length:** 1500 mm	**Reflector:** w/ **Numberplate holder:** w/ **Straps incl.:** Yes

O.E.M. names and numbers are used for reference purposes only.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
170835 Trailer Lighting Set *Light construction. 7-pole plug.* 	**Bulb incl.:** Yes **Voltage:** 12	**Dim.:** 1400-2100 mm **Cable length:** 12000 mm	**Material:** Galvanised steel **No./lamps:** 2 **No./reflectors:** 2 **Flasher light:** w/ **Numberplate holder:** w/ **Tail light:** w/ **Stop light:** w/ **Width/adjustable:** w/
171049 Trailer Lighting Set *Extensible light construction. 7-pole plug.* 	**Bulb incl.:** Yes **Voltage:** 12	**Dim.:** 1000-1600 mm **Cable length:** 7500 mm	**Material:** Galvanised steel **No./lamps:** 2 **No./reflectors:** 2 **Flasher light:** w/ **Numberplate holder:** w/ **Tail light:** w/ **Stop light:** w/ **Width/adjustable:** w/
171818 Trailer lighting set *Lens: HC-CARGO 171833, 171834. Lamp: HC-CARGO 171870, 171871.* 	**Bulb incl.:** Yes **Voltage:** 12	**Dim.:** 237x138x61 mm **Cable length:** 2x5000 mm	**Shape:** Rectangular **No./lamps:** 2 **Flasher light:** w/ **Numberplate light:** w/ **Rear/fog lamp:** w/ **Tail light:** w/ **Stop light:** w/ **E-approval:** Yes
171821 Trailer lighting set *Multi connector: HC-CARGO 171372, 171373. Lens: HC-CARGO 170833. Light: HC-CARGO 171822.* 	**Bulb incl.:** Yes **Voltage:** 12	**Dim.:** 108x103x52 mm **Cable length:** 2x5000 mm	**Shape:** Square **Flasher light:** w/ **Numberplate light:** w/ **Tail light:** w/ **Stop light:** w/ **E-approval:** Yes
171872 Trailer lighting set *Lens: HC-CARGO 171833, 171834. Lamp: HC-CARGO 171870, 171871.* 	**Bulb incl.:** Yes **Voltage:** 12	**Dim.:** 237x138x61 mm **Cable length:** 2x7500 mm	**Shape:** Rectangular **No./lamps:** 2 **Flasher light:** w/ **Numberplate light:** w/ **Rear/fog lamp:** w/ **Tail light:** w/ **Stop light:** w/ **E-approval:** Yes
171873 Trailer lighting set *Multi connector: HC-CARGO 171372, 171373. Lens: HC-CARGO 170833.* 	**Bulb incl.:** Yes **Voltage:** 12	**Dim.:** 108x103x52 mm **Cable length:** 2x7500 mm	**Shape:** Square **Flasher light:** w/ **Numberplate light:** w/ **Tail light:** w/ **Stop light:** w/ **E-approval:** Yes

O.E.M. names and numbers are used for reference purposes only.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
171935 Trailer Lighting Set *7-pole plug. Magnet w/ metalbracket: HC-CARGO 170942.*	**Bulb incl.:** Yes **Voltage:** 12	**Dim.:** 108x103x52 mm **Cable length:** 4000/13000 mm	**Mount.:** Magnetic **No./lamps:** 2 **Flasher light:** w/ **Tail light:** w/ **Stop light:** w/

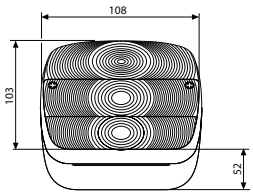


SPARE PARTS

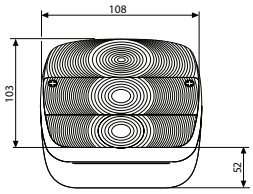
170833 Lens, Rear Lamp	**Servicing:** HC-CARGO 170939, 170940		
		Dim.: 108x103x52 mm	**Material:** Shockproof plastic **Flasher light:** w/ **Tail light:** w/ **Stop light:** w/ **RH/LH:** RH/LH

170834 Lens, Rear Lamp	**Servicing:** HC-CARGO 170941		
		Dim.: 108x103x52 mm	**Shape:** Rectangular **Fixing screw:** 2 **Flasher light:** w/ **Sidemarker:** w/

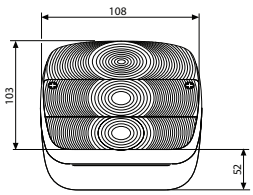
170939 Multi Function Lamp *Lens: HC-CARGO 170833.*	**Servicing:** HC-CARGO 170809, 170818, 170828, 170829, 170835, 171049		
	Bulb incl.: No **Watt 1:** 21 **Watt 2:** 21/5	**Dim.:** 108x103x52 mm **Dist. mount. holes:** 45/55 mm	**Socket type 1:** BA15S **Socket type 2:** BAY15d **Material:** Shockproof plastic **Fixing screw:** 2 **Flasher light:** w/ **Tail light:** w/ **Stop light:** w/ **RH/LH:** RH/LH **E-approval:** Yes



170940 Multi Function Lamp *Lens: HC-CARGO 170833.*	**Servicing:** HC-CARGO 170829		
	Bulb incl.: No **Watt 1:** 21 **Watt 2:** 21/5	**Dim.:** 108x103x52 mm **Dist. mount. holes:** 45/55 mm	**Socket type 1:** BA15S **Socket type 2:** BAY15d **Material:** Shockproof plastic **Fixing screw:** 2 **Flasher light:** w/ **Numberplate light:** w/ **Tail light:** w/ **Stop light:** w/ **RH/LH:** RH/LH **E-approval:** Yes



170941 Flasher/Position Lamp *Lens: HC-CARGO 170834.*	**Servicing:** HC-CARGO 170828		
	Bulb incl.: No **Watt 1:** 21 **Watt 2:** 5	**Dim.:** 108x103x52 mm **Dist. mount. holes:** 55 mm	**Socket type 1:** BA15S **Socket type 2:** S8.5 **Material:** Shockproof plastic **Shape:** Rectangular **Fixing screw:** 2 **Flasher light:** w/ **Sidemarker:** w/ **RH/LH:** RH/LH **E-approval:** Yes



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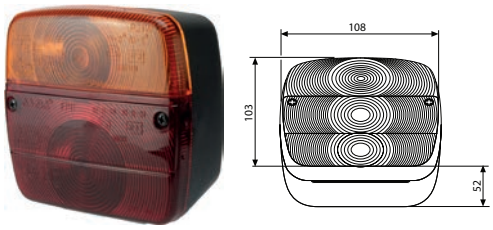
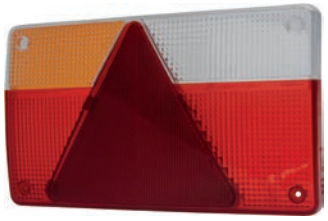
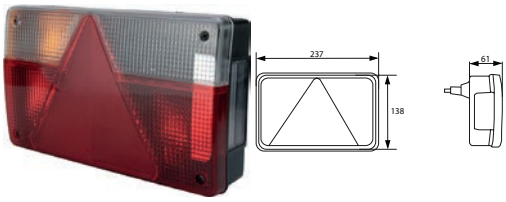
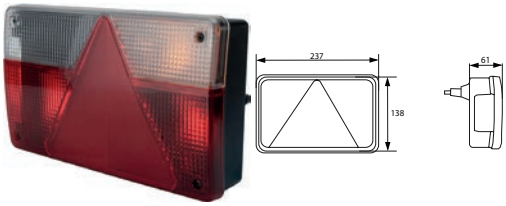
	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
170942 Magnet	**Servicing:** HC-CARGO 170818, 170828		
For camera.			
		OD: 76 mm	
171795 Rubber Protection	**Servicing:** HC-CARGO 170942		
		ID: 76 mm	**Rubber:** w/
171822 Multi Function Lamp	**Servicing:** HC-CARGO 171821		
Multi connector: HC-CARGO 171372, 171373. Lens: HC-CARGO 170833.			
	**Bulb incl.:** Yes **Watt 1:** 21 **Watt 2:** 21/5	**Dim.:** 108x103x52 mm **Dist. mount. holes:** 45/55 mm	**Socket type 1:** BA15S **Socket type 2:** BAY15d **Shape:** Square **Flasher light:** w/ **Sidemarker:** w/ **Stop light:** w/ **E-approval:** Yes
171833 Lens, Rear Lamp	**Servicing:** HC-CARGO 171818, 171871, 171872		
		Dim.: 237x138x19 mm	**Material:** Shockproof plastic **Shape:** Rectangular **Flasher light:** w/ **Numberplate light:** w/ **Rear/fog lamp:** w/ **Sidemarker:** w/ **Stop light:** w/ **RH/LH:** RH **E-approval:** Yes
171834 Lens, Rear Lamp	**Servicing:** HC-CARGO 171818, 171870, 171872		
		**Dim.:** 237x138x19 mm	**Material:** Shockproof plastic **Flasher light:** w/ **Numberplate light:** w/ **Rear/fog lamp:** w/ **Sidemarker:** w/ **Stop light:** w/ **RH/LH:** LH **E-approval:** Yes
171870 Multi Function Lamp	**Servicing:** HC-CARGO 171818, 171872		
Multi connector: HC-CARGO 171372, 171373. Lens: HC-CARGO 171834. Right: HC-CARGO 171871.			
	**Bulb incl.:** Yes **Voltage:** 12	**Dim.:** 237x138x61 mm	**Shape:** Rectangular **Flasher light:** w/ **Numberplate light:** w/ **Rear/fog lamp:** w/ **Sidemarker:** w/ **Stop light:** w/ **RH/LH:** LH **E-approval:** Yes
171871 Multi Function Lamp	**Servicing:** HC-CARGO 171818, 171872		
Multi connector: HC-CARGO 171372, 171373. Lens: HC-CARGO 171833. Left: HC-CARGO 171872.			
	**Bulb incl.:** Yes **Voltage:** 12	**Dim.:** 237x138x61 mm	**Shape:** Rectangular **Flasher light:** w/ **Numberplate light:** w/ **Rear/fog lamp:** w/ **Sidemarker:** w/ **Stop light:** w/ **RH/LH:** RH **E-approval:** Yes

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	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

REFLECTORS

170142 Reflector

w/ 5 mm bolt.

OD: 60 mm

Colour: Red
Material: Plastic
Shape: Round
Approvals: I A approval
E-approval: Yes

170143 Reflector

w/ 5 mm bolt.

OD: 83 mm

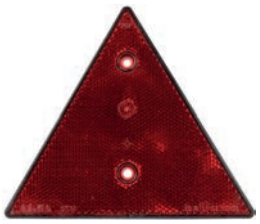
Colour: Red
Material: Plastic
Shape: Round
Approvals: I A approval
E-approval: Yes

170144 Reflector

Dim.: 160x160x160 mm
Dist. mount. holes: 85 mm

Colour: Red
Material: Plastic
Shape: Triangle
Mount.: 2 screws
Approvals: III A approval
E-approval: Yes

170163 Reflector



Dim.: 155x135 mm
Dist. mount. holes: 70 mm

Colour: Red
Material: Plastic
Shape: Triangle
Mount.: 2 holes
Approvals: III A approval
E-approval: Yes

170165 Reflector

OD: 60 mm
Hole size: 4 mm

Colour: Red
Material: Plastic
Shape: Round
Approvals: I A approval
E-approval: Yes

170169 Reflector

OD: 60 mm
Hole size: 4 mm

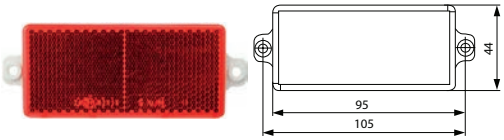
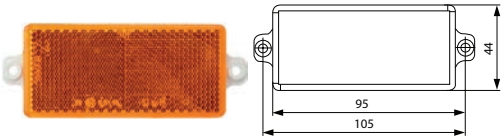
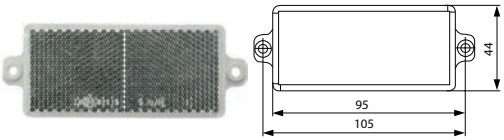
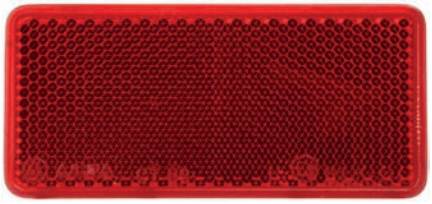
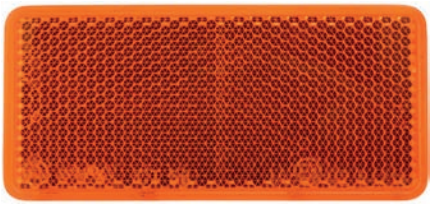
Colour: Orange
Material: Plastic
Shape: Round
Approvals: I A approval
E-approval: Yes

170170 Reflector

OD: 60 mm
Hole size: 4 mm

Colour: White
Material: Plastic
Shape: Round
Approvals: I A approval
E-approval: Yes

O.E.M. names and numbers are used for reference purposes only.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
170212 Reflector *Only approved in DK.*			
		Dim.: 50x200 mm	**Colour:** White **Mount.:** Self adhesive **E-approval:** No
170213 Reflector *Only approved in DK.*			
		Dim.: 50x200 mm	**Colour:** Yellow **Mount.:** Self adhesive **Approvals:** JRU **E-approval:** No
170623 Reflector			
		**Dim.:** 95x44 mm **Dist. mount. holes:** 105 mm	**Colour:** Red **Material:** Plastic **Shape:** Rectangular **Mount.:** 2 holes **Approvals:** I A approval **E-approval:** Yes
170624 Reflector			
		**Dim.:** 95x44 mm **Dist. mount. holes:** 105 mm	**Colour:** Orange **Material:** Plastic **Shape:** Rectangular **Mount.:** 2 holes **Approvals:** I A approval **E-approval:** Yes
170625 Reflector			
		**Dim.:** 95x44 mm **Dist. mount. holes:** 105 mm	**Colour:** White **Material:** Plastic **Shape:** Rectangular **Mount.:** 2 holes **Approvals:** I A approval **E-approval:** Yes
170626 Reflector			
		**Dim.:** 95x44 mm	**Colour:** Red **Material:** Plastic **Shape:** Rectangular **Mount.:** Self adhesive **Approvals:** I A approval **E-approval:** Yes
170627 Reflector			
		**Dim.:** 95x44 mm	**Colour:** Orange **Material:** Plastic **Shape:** Rectangular **Mount.:** Self adhesive **Approvals:** I A approval **E-approval:** Yes

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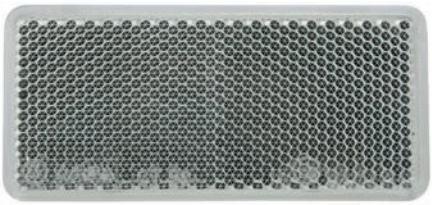
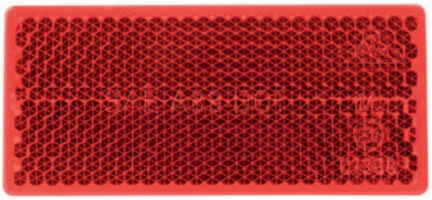
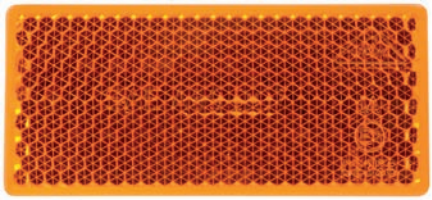
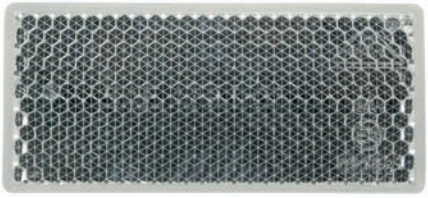
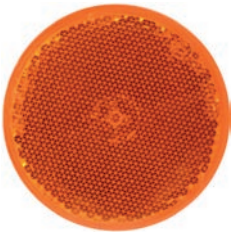
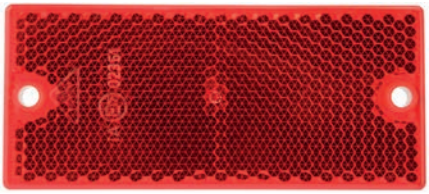
	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
170628 Reflector			
		**Dim.:** 95x44 mm	**Colour:** White **Material:** Plastic **Shape:** Rectangular **Mount.:** Self adhesive **Approvals:** I A approval **E-approval:** Yes
170629 Reflector			
		**Dim.:** 71x35 mm	**Colour:** Red **Material:** Plastic **Shape:** Rectangular **Mount.:** Self adhesive **Approvals:** I A approval **E-approval:** Yes
170630 Reflector			
		**Dim.:** 71x35 mm	**Colour:** Orange **Material:** Plastic **Shape:** Rectangular **Mount.:** Self adhesive **Approvals:** I A approval **E-approval:** Yes
170631 Reflector			
		**Dim.:** 71x35 mm	**Colour:** White **Material:** Plastic **Shape:** Rectangular **Mount.:** Self adhesive **Approvals:** I A approval **E-approval:** Yes
170675 Reflector			
		OD: 60 mm	**Colour:** Red **Material:** Plastic **Shape:** Round **Mount.:** Self adhesive **Approvals:** I A approval **E-approval:** Yes
170676 Reflector			
		**OD:** 60 mm	**Colour:** Orange **Material:** Plastic **Shape:** Round **Mount.:** Self adhesive **Approvals:** I A approval **E-approval:** Yes
170677 Reflector			
		OD: 60 mm	**Colour:** White **Material:** Plastic **Shape:** Round **Mount.:** Self adhesive **Approvals:** I A approval **E-approval:** Yes

O.E.M. names and numbers are used for reference purposes only.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
170729 Reflector			
		OD: 83 mm **Hole size:** 4 mm	**Colour:** Red **Material:** Plastic **Shape:** Round **Mount.:** 1 hole **Approvals:** I A approval **E-approval:** Yes
171228 Reflector			
		**Dim.:** 90x40 mm **Dist. mount. holes:** 79 mm	**Colour:** Red **Material:** Plastic **Shape:** Rectangular **Mount.:** 2 holes **Approvals:** I A approval **E-approval:** Yes

ACCESSORIES

171536 Bracket			
		ID: 60 mm	**No./mounting holes:** 1 (0)

CONTAINER MARKING

171895 Skipmarking			
Self-adhesive. Left. Class 2.			
		Dim.: 100x400 mm	**Colour:** White/red **Material:** Film **Shape:** Rectangular **Approvals:** No Homogation required
171896 Skipmarking			
Self-adhesive. Right. Class 2.			
		Dim.: 100x400 mm	**Colour:** White/red **Material:** Film **Shape:** Rectangular **Approvals:** No Homogation required
171897 Skipmarking			
Self-adhesive kit. Class 2.			
		Dim.: 200x400 mm	**Colour:** White/red **Material:** Film **Shape:** Rectangular **Approvals:** No Homogation required

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	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

WARNING TRIANGLES

170171 Warning Triangle

Break down warning triangle. Supplied in plastic carrying box.

Shape: Triangle
E-approval: Yes

TRIANGLES

170390 Reflector Triangle

Red: high intensitive foil. Class A. Red: fluorenscent foil. w/o bracket.

Dim.: 350-365 mm
Dist. mount. holes: 153 mm

Colour: Red
Material: Aluminium
Shape: Triangle
E-approval: Yes

170759 Reflector Triangle

Red: high intensitive foil. Class A. Red: fluorenscent foil. w/o bracket.

Dim.: 428x375x310 mm
Dist. mount. holes: 153 mm
Hole size: 6 mm

Colour: Red
Material: Shock thermo plastic
Shape: Triangle
E-approval: Yes

ACCESSORIES

170391 Mounting Bracket — **Servicing:** HC-CARGO 170390, 170759

Male.

170392 Mounting Bracket — **Servicing:** HC-CARGO 170390, 170759

Female.

170393 Mounting Bracket Kit — **Servicing:** HC-CARGO 170390, 170759

w/ male and female brackets, bolts and nuts.

170797 Mounting Bracket — **Servicing:** HC-CARGO 170390, 170759

Angled.

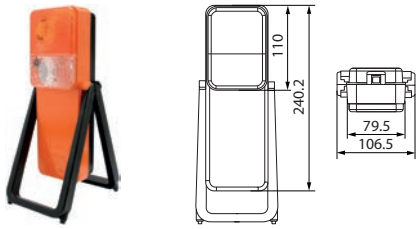
O.E.M. names and numbers are used for reference purposes only.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

HAZARD WARNING LIGHTS

170683 Hazard Warning Lamp — **Servicing:** Approved for vehicles carrying dangerous goods

Battery: HC-CARGO 200741, 200768.



Dim.: 240.2x106.5 mm

Battery type: D
No./batteries: 5
Hazard flasher: w/
Approval: GGVS
E-approval: Yes

LED

171797 LED Hazard Warning Lamp

Battery: HC-CARGO 200739.

Dim.: 215x75x63 mm

Bulb type: LED
Battery type: AA
Material: ABS plastic
No./batteries: 4
Hazard flasher: w/
Drop proof: Yes
Approval: GGVS/ADR

PEN-/TORCH LIGHTS

TORCH LIGHT CONVENTIONAL

170353 High Powered Torch

Bulb: HC-CARGO 171280. Batteries: HC-CARGO 200741, 200768.

Dim.: 182x111 mm

Bulb type: Krypton
Battery type: D
No./batteries: 4
Approval: CE

TORCH LIGHT LED

171749 LED Torch Light

Battery: HC-CARGO 200738.

Watt: 1
Lumen: 65

Dim.: 37x120 mm

Bulb type: LED
Battery type: AAA
Material: Aluminium
No./batteries: 3
Clips: w/
Waterproof: Yes

171787 LED Torch Light

Battery: HC-CARGO 200740.

Watt: 2.2

Dim.: 217x52x52 mm

Bulb type: LED
Battery type: LR14
Material: Shockproof plastic
No./batteries: 3
Shoulder strap: w/
Drop proof: Yes
Waterproof: Yes

PEN-/TORCH LIGHTS LED

171704 LED Penlight

Button w/ easy touch for either signal or constant light. Optical lense intensive the light. At least 8 hours of burn time.

Dim.: 14.5x109 mm

Bulb type: LED
Battery type: AAA
Material: Aluminium
No./batteries: 1
Drop proof: Yes
Waterproof: Yes
Approval: CE

O.E.M. names and numbers are used for reference purposes only.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

HAND LAMPS CONVENTIONAL

200181 Hand Lamp

Works at temperature below zero. All parts are replaceable. Neon tube HC-CARGO 170664.

Voltage: 230
Watt: 8
Lumen: 400

Length: 510 mm
Cable length: 5 mm

Plug: w/
Hi impact: Yes
Tightness norm: IP 67
Approvals: CE

200635 Hand Lamp

Four times more powerful than conventional hand lamps. Works at temperature below zero. All parts replaceable. Resistant to oil, petrol and chemicals.

Voltage: 230
Watt: 11
Lumen: 900

Length: 455 mm
Cable length: 5 mm

Plug: w/
Hi impact: Yes
Tightness norm: IP 64
Approvals: CE

200728 Hand Lamp

Works at temperature below zero. All parts are replaceable.

Voltage: 230
Watt: 9
Lumen: 400

Length: 390 mm
Cable length: 5 mm

Plug: w/
Hi impact: Yes
Tightness norm: IP 65
Approvals: CE

200733 Hand Lamp

Voltage: 230
Watt: 8
Lumen: 300

Length: 450 mm
Cable length: 5 mm

Plug: w/
Tightness norm: IP 20
Approvals: CE

200837 Hand Lamp

Voltage: 230
Watt: 11
Lumen: 900

Length: 450 mm
Cable length: 5 mm

Hi impact: Yes
Tightness norm: IP 65
Approvals: CE

SPARE PARTS

170960 Fluorescent Tube

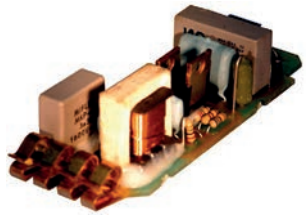
Socket PL-S 2P (G23).

Watt: 11/830
Lumen: 900

Length: 214 mm

Approvals: CE

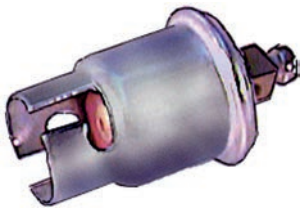
O.E.M. names and numbers are used for reference purposes only.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
200659 Electronic Part	**Servicing:** HC-CARGO 200728, 200635		
	**Watt:** 230		**Tightness norm:** IP 65 **Approvals:** CE

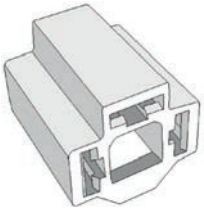
HAND LAMPS LED

171999 LED Hand Lamp			
	Lumen: 300	**Dim.:** 270x42x51 mm	**Bulb type:** LED **Battery type:** Li-ion **Magnet holder:** Yes **Lamp head:** Yes **Rechargeable:** Yes **Approval:** CE
172000 LED Hand Lamp UK			
	Lumen: 300	**Dim.:** 270x42x51 mm	**Bulb type:** LED **Battery type:** Li-ion **Magnet holder:** Yes **Lamp head:** Yes **Rechargeable:** Yes **Approval:** CE

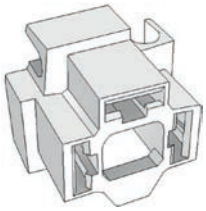
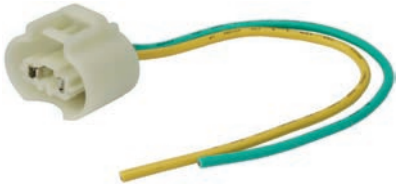
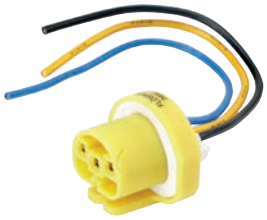
BULB HOLDERS

170135 Bulb Holder			
			Socket type: BAY15d
170136 Bulb Holder			
			**Socket type:** BA9s
170137 Bulb Holder			
			Socket type: BA7s
170138 Bulb Holder			
			Socket type: BA15S

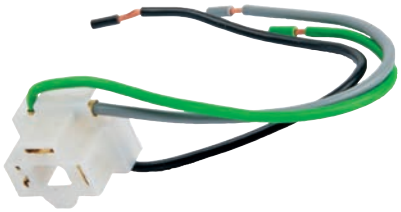
O.E.M. names and numbers are used for reference purposes only.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
170139 Bulb Holder			
33-36 mm. Festoon type.			
			Socket type: S8.5
170433 Bulb Holder	**Servicing:** H4		
Also for bulbs that fit socket P45t. Used w/ sealed beams.			
			Socket type: P43t
170596 Bulb Holder			
			Socket type: BA15d
170619 Bulb Holder	**Servicing:** H4		
Also for bulbs that fit socket P43t. Used w/ sealed beams.			
			**Socket type:** P45t
170763 Bulb Holder	**Servicing:** VW Golf, Vento, Polo, Passat, Seat Ibiza, Toledo		
			Socket type: T10
170790 Bulb Holder			
2x terminal connection.			
			Socket type: BA9s
170791 Bulb Holder			
2x screw connection.			
			Socket type: BA15S

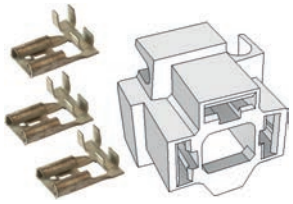
O.E.M. names and numbers are used for reference purposes only.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
170799 Bulb Holder	**Servicing:** HC-CARGO 191938		
Also for bulbs that fit socket P45t. Used w/ sealed beams. Angled type.			
			**Socket type:** P43t
170827 Bulb Holder			
2x terminal connection.			
			Socket type: T10
170964 Bulb Holder	**Servicing:** H4		
Also for bulbs that fit socket P45. Used w/ sealed beams. w/ snap-lock action for cable connection.			
			Socket type: P43t+P45t
171426 Bulb Holder			
w/ wire.			
			Socket type: HB3, H10, H12
171427 Bulb Holder			
w/ wire.			
			**Socket type:** HB4
171453 Bulb Holder			
H7.			
			Socket type: PX26d
171783 Bulb Holder			
			**Socket type:** HB1, HB5

O.E.M. names and numbers are used for reference purposes only.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
171784 Bulb Holder			
			Socket type: H8, H9, H11
171924 Bulb Holder			
H1/H3. 2 way.			
			Socket type: P14.5s, PK22s, PKY22s
171925 Bulb Holder			
H1/H3. 1 way.			
			Socket type: P14.5s, PK22s, PKY22s
171954 Bulb Holder			
H4.			
			**Socket type:** P43t
172072 Bulb Holder	**Servicing:** HC-CARGO 171010, 170951, 171953, 170726		
NEW PRODUCT www.hc-cargo.com			**Socket type:** PGJ13

BULB HOLDER SETS

171281 Bulb Holder Set	**Servicing:** H4		
Contains: 1 pcs. HC-CARGO 170619. 3 pcs. HC-CARGO 191200.			
			Socket type: P43t
171282 Bulb Holder Set	**Servicing:** H4		
Contains: 1 pcs. HC-CARGO 170799. 3 pcs. HC-CARGO 191938.			
			**Socket type:** P43t

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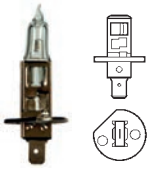
Bulbs

Edition 2015/2016

ISO 9001
BUREAU VERITAS
Certification

H1 Halogen

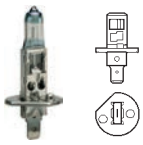
HC-CARGO	Voltage	Watt	Length	OD	Colour	Type	Comment
170069	12	55	62.5 mm	8.5 mm		Single filament	
171070	12	55	62.5 mm	8.5 mm		Single filament	*Gives up to 30% more light.*
171071	12	55	62.5 mm	8.5 mm	Xenon blue	Single filament	
171136	12	55	62.5 mm	8.5 mm		Single filament	*Gives up to 50% more light.*
171068	12	100	62.5 mm	8.5 mm		Single filament	
171404	12	130	59.8 mm	9.7 mm		Single filament	
171072	24	70	62.5 mm	8.5 mm		Single filament	


P14.5s

HC-CARGO	Voltage	Watt	Length	OD	Colour	Type	Comment
170332	12	55	62.5 mm	8.5 mm		Single filament	
170965	12	55	62.5 mm	8.5 mm		Single filament, Megalight	*Gives up to 30% more light.*
170493	12	100	62.5 mm	8.5 mm		Single filament	
170449	24	70	62.5 mm	8.5 mm		Single filament	
170494	24	100	62.5 mm	8.5 mm		Single filament	

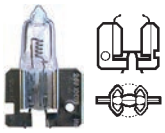
P14.5s

HC-CARGO	Voltage	Watt	Length	OD	Colour	Type	Comment
171686	12	55	58.9 mm	10.8 mm		Single filament, Nightbreaker	*Up to 90% more light. Up to 35 m longer beam. Up to 10% whiter light.*

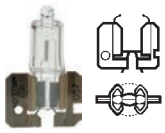

P14.5s

H2 Halogen

HC-CARGO	Voltage	Watt	Length	OD	Colour	Type	Comment
171073	12	55	30 mm	9 mm		Single filament	
170512	24	100	30 mm	9 mm		Single filament	

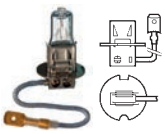

X511

HC-CARGO	Voltage	Watt	Length	OD	Colour	Type	Comment
170576	12	55	30 mm	9 mm		Single filament	

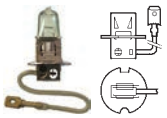

X511

H3 Halogen

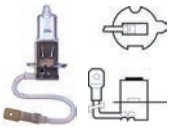
HC-CARGO	Voltage	Watt	Length	OD	Colour	Type	Comment
171469	6	55	42 mm	11.5 mm		Single filament	
170070	12	55	42 mm	11.5 mm		Single filament	
171405	12	130	39 mm	11.5 mm		Single filament	
170836	24	70	42 mm	11.5 mm		Single filament	
171407	48	45	42 mm	11.5 mm		Single filament	
171378	80	55	42 mm	11.5 mm		Single filament	

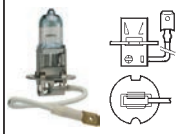

PK22s

HC-CARGO	Voltage	Watt	Length	OD	Colour	Type	Comment
170696	12	35	42 mm	11.5 mm		Single filament	
170333	12	55	42 mm	11.5 mm		Single filament	
170723	12	55	42 mm	11.5 mm		Single filament, All day	*Gives better visibility in poor weather conditions.*
170824	12	55	42 mm	11.5 mm	Xenon blue	Single filament	*Brighter light as standard.*
170412	24	70	42 mm	11.5 mm		Single filament	
170362	24	100	42 mm	11.5 mm		Single filament	

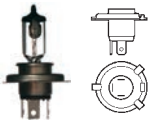
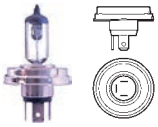
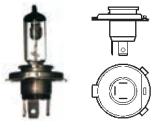

PK22s

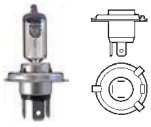
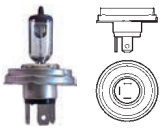
O.E.M. names and numbers are used for reference purposes only.

Jahn	HC-CARGO	Voltage	Watt	Length	OD	Colour	Type	Comment
 PKY22s	**170496**	12	100	42 mm	11.5 mm		Single filament	

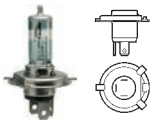
OSRAM	HC-CARGO	Voltage	Watt	Length	OD	Colour	Type	Comment
 PK22s	**171687**	12	55	42 mm	10.8 mm		Single filament, Nightbreaker	*Up to 90% more light. Up to 35 m longer beam. Up to 10% whiter light.*

H4 Halogen

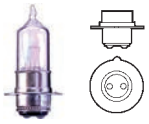
HC CARGO	HC-CARGO	Voltage	Watt	Length	OD	Colour	Type	Comment
 P43t	**171474**	6	60/55	78 mm	16 mm		Double filament	
	170768	12	60/55	78 mm	16 mm		Double filament	
	171066	12	60/55	78 mm	16 mm		Double filament	*Gives up to 30% more light.*
	171067	12	60/55	78 mm	16 mm	Xenon blue	Double filament	*Brighter light as standard.*
	171113	12	60/55	78 mm	16 mm		Double filament, Longlife	
	171114	12	60/55	78 mm	16 mm	Gold	Double filament	*Gives better visibility in poor weather. Not approved in Germany.*
	171134	12	60/55	78 mm	16 mm		Double filament	*Gives up to 50% more light.*
	170803	12	100/80	78 mm	16 mm	Xenon blue	Double filament	*Brighter light as standard.*
	171065	12	100/80	78 mm	16 mm		Double filament	
	170513	12	130/90	76.4 mm	14.6 mm		Double filament	
	170514	12	165/120	78 mm	16 mm		Double filament	
	170792	24	75/70	78 mm	16 mm		Double filament	
	171125	24	75/70	78 mm	16 mm		Double filament, Heavy Duty	
	170515	24	130/90	78 mm	16 mm		Double filament	
 P45t	**170071**	12	60/55	78 mm	16 mm		Double filament	
 PX43t	**171473**	6	35/35	78 mm	16 mm		HS1	

Jahn	HC-CARGO	Voltage	Watt	Length	OD	Colour	Type	Comment
 P43t	**170718**	12	35/35	78 mm	16 mm		Double filament	
	170334	12	60/55	78 mm	16 mm		Double filament	
	170657	12	60/55	78 mm	16 mm		Double filament, Longlife	
	170802	12	60/55	78 mm	16 mm	Xenon blue	Double filament	*Brighter light as standard.*
	170804	12	60/55	78 mm	16 mm		Double filament, Megalight	*Gives up to 30% more light.*
	171064	12	60/55	78 mm	16 mm		Double filament, Megalight plus	*Gives up to 60% more light.*
	170009	12	100/90	78 mm	16 mm		Double filament	
	170348	24	75/70	78 mm	16 mm		Double filament	
	170450	24	75/70	78 mm	16 mm		Double filament, Heavy Duty	
	170360	24	100/70	78 mm	16 mm		Double filament	
 P45t	**170681**	12	45/40	78 mm	16 mm		Double filament	
	170359	12	100/80	78 mm	16 mm		Double filament	
	170006	24	75/70	78 mm	16 mm		Double filament	

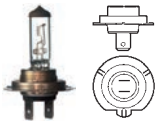
O.E.M. names and numbers are used for reference purposes only.

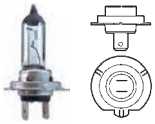
OSRAM	HC-CARGO	Voltage	Watt	Length	OD	Colour	Type	Comment
 P43t	**171688**	12	60/55	82 mm			Double filament, Nightbreaker	*Up to 90% more light. Up to 35 m longer beam. Up to 10% whiter light.*

MH6 Halogen

HC CARGO	HC-CARGO	Voltage	Watt	Length	OD	Colour	Type	Comment
 PX15d	**170811**	12	30/30	47 mm	20 mm		Double filament, Bilux	
	170812	12	30/30	55 mm	15 mm		Double filament	

H7 Halogen

HC CARGO	HC-CARGO	Voltage	Watt	Length	OD	Colour	Type	Comment
 PX26d	**171077**	12	55	58 mm	11.6 mm		Single filament	
	171079	12	55	58 mm	11.6 mm	Xenon blue	Single filament	*Brighter light as standard.*
	171081	12	55	58 mm	11.6 mm		Single filament	*Gives up to 30% more light.*
	171117	12	55	58 mm	11.6 mm		Single filament, Longlife	
	171137	12	55	58 mm	11.6 mm		Single filament	*Gives up to 50% more light.*
	170837	12	100	58 mm	11.6 mm		Single filament	
	171080	24	70	58 mm	11.6 mm		Single filament	
	171532	24	70	58 mm	11.6 mm		Single filament, Longlife	

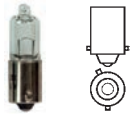
John	HC-CARGO	Voltage	Watt	Length	OD	Colour	Type	Comment
 PX26d	**170720**	12	55	58 mm	11.6 mm		Single filament	
	170825	12	55	58 mm	11.6 mm	Xenon blue	Single filament	*Brighter light as standard.*
	170800	24	70	58 mm	11.6 mm		Single filament	

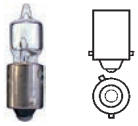
OSRAM	HC-CARGO	Voltage	Watt	Length	OD	Colour	Type	Comment
PX26d	**171689**	12	55	59 mm	11.4 mm		Single filament, Conventional, Nightbreaker	*Up to 90% more light. Up to 35 m longer beam. Up to 10% whiter light.*

H15 Halogen

OSRAM	HC-CARGO	Voltage	Watt	Length	OD	Colour	Type	Comment
PGJ23T-1	**171691**	12	60/19		12.9 mm		Double filament	

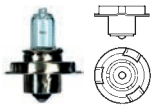
H6W Halogen

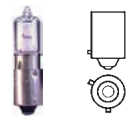
HC CARGO	HC-CARGO	Voltage	Watt	Length	OD	Colour	Type	Comment
 BAX9s	**171082**	12	6	35 mm	9 mm		Single filament	

John	HC-CARGO	Voltage	Watt	Length	OD	Colour	Type	Comment
 BAX9s	**170741**	12	6	33 mm	9 mm		Single filament	

O.E.M. names and numbers are used for reference purposes only.

H21W Halogen

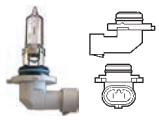
	HC-CARGO	Voltage	Watt	Length	OD	Colour	Type	Comment
BAY9s	**171083**	12	21	40 mm	10 mm		Single filament	
	171084	24	21	40 mm	10 mm		Single filament	
 P26s	**171135**	12	15	36 mm	10 mm		Single filament	

	HC-CARGO	Voltage	Watt	Length	OD	Colour	Type	Comment
 BAY9s	**170742**	12	21	40 mm	10 mm		Single filament	

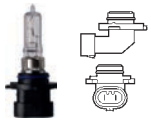
HB1 American Types

	HC-CARGO	Voltage	Watt	Length	OD	Colour	Type	Comment
P29t	**170692**	12	65/45	95 mm	16.5 mm		Halogen	

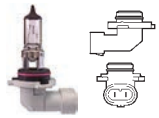
HB3 American Types

	HC-CARGO	Voltage	Watt	Length	OD	Colour	Type	Comment
 P20d	**170693**	12	65	78 mm	16 mm		Halogen	

HB3 A American Types

	HC-CARGO	Voltage	Watt	Length	OD	Colour	Type	Comment
 P20d	**171804**	12	60	70.9 mm	11.9 mm		Halogen	

HB4 American Types

	HC-CARGO	Voltage	Watt	Length	OD	Colour	Type	Comment
 P22d	**170694**	12	55	78 mm	16 mm		Halogen	

HB4 A American Types

	HC-CARGO	Voltage	Watt	Length	OD	Colour	Type	Comment
P22d	**171794**	12	51	80.3 mm	10.7 mm		Halogen	

HB5 American Types

	HC-CARGO	Voltage	Watt	Length	OD	Colour	Type	Comment
PX29t	**171039**	12	65/55	102 mm	17 mm		Halogen	

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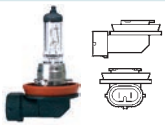
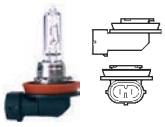
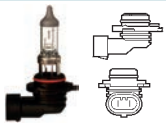
H8 American Types

John	HC-CARGO	Voltage	Watt	Length	OD	Colour	Type	Comment
 PGJ19-1	**171034**	12	35	41 mm	11.7 mm		Halogen	

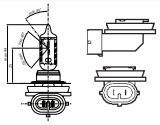
H9 American Types

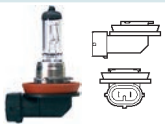
John	HC-CARGO	Voltage	Watt	Length	OD	Colour	Type	Comment
 PGJ19-5	**171035**	12	65	41 mm	11.7 mm		Halogen	

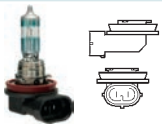
H10 American Types

John	HC-CARGO	Voltage	Watt	Length	OD	Colour	Type	Comment
 PY20d	**171036**	12	42	31.5 mm	12.4 mm		Halogen	

H11 American Types

HC CARGO	HC-CARGO	Voltage	Watt	Length	OD	Colour	Type	Comment
 PGJ19-2	**172073**	24	70	44 mm			Halogen	

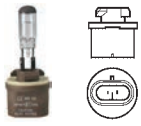
John	HC-CARGO	Voltage	Watt	Length	OD	Colour	Type	Comment
 PGJ19-2	**171037**	12	55	41 mm	11.7 mm		Halogen	

OSRAM	HC-CARGO	Voltage	Watt	Length	OD	Colour	Type	Comment
 PGJ19-2	**171690**	12	55	44 mm	11.4 mm		Single filament, Halogen, Nightbreaker	*Up to 90% more light. Up to 35 m longer beam. Up to 10% whiter light.*

H13 Halogen

John	HC-CARGO	Voltage	Watt	Length	OD	Colour	Type	Comment
P26.4t	**171796**	12	60/55	86 mm	16.1 mm		Double filament	

H27W/1 American Types

John	HC-CARGO	Voltage	Watt	Length	OD	Colour	Type	Comment
 PG13	**171009**	12	27	44.5 mm	10.3 mm		Halogen	
W2.5x16q	**170710**	12	27/7	53 mm	26.5 mm		Halogen, 3157	
	170711	12	27/7	53 mm	26.5 mm	Orange	Halogen, 3157NA	

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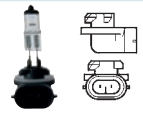
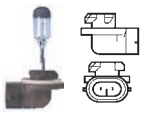
H27W/2 American Types

HC-CARGO	Voltage	Watt	Length	OD	Colour	Type	Comment
171953	12	50	62.7 mm	12.5 mm		Halogen	


PGJ13

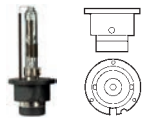
HC-CARGO	Voltage	Watt	Length	OD	Colour	Type	Comment
171010	12	27	44.5 mm	10.3 mm		Halogen	
170951	12	50	62.7 mm	12.5 mm		Halogen	
170726	12	37.5	62.7 mm	12.5 mm		Halogen	


PGJ13

High Intensity Discharge

HC-CARGO	Voltage	Watt	Length	OD	Colour	Type	Comment
171133	85	35	77 mm	13.7 mm	4150K	Electronic gas, D2S	
171132	85	35	79.7 mm	13.7 mm	4150K	Electronic gas, D2R	
171713	42	35	77 mm	13.7 mm	4150K	Electronic gas, D4S	
171711	42	35	79.7 mm	12.4 mm	4150K	Electronic gas, D4R	
171710	42	35	80 mm	13 mm	4150K	Electronic gas, D3R	
171613	85	35	82 mm	41x41 mm	4150K	Electronic gas, D1S	
171683	85	35	80 mm	13 mm	4150K	Electronic gas, D1R	
171712	42	35	80 mm	13 mm	4150K	Electronic gas, D3S	

P32d-2


P32d-3

P32d-5

P32d-6

PK-32d-6

PK32d-2

PK32d-3

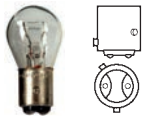
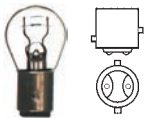
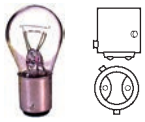
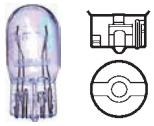
PK32d-5

Stop and Tail Lamps

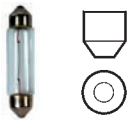
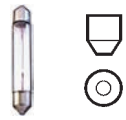
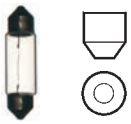
HC-CARGO	Voltage	Watt	Length	OD	Colour	Type	Comment
170770	12	21/5	50 mm	25 mm			
171092	24	21/5	50 mm	25 mm			

BAY15d

O.E.M. names and numbers are used for reference purposes only.

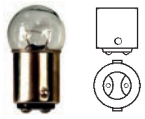
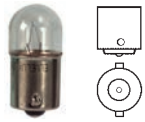
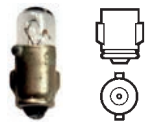
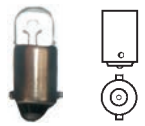
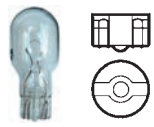
HC CAR GO	HC-CARGO	Voltage	Watt	Length	OD	Colour	Type	Comment
 BAZ15d	**171093**	12	21/4	50 mm	25 mm			
John	**HC-CARGO**	**Voltage**	**Watt**	**Length**	**OD**	**Colour**	**Type**	**Comment**
 BAY15d	**171476**	6	21/5	52.5 mm	26.5 mm			
	170336	12	21/5	52.5 mm	26.5 mm		P21/5W	
	170659	12	21/5	52.5 mm	26.5 mm		Longlife	
	170453	24	20/5	52.5 mm	26.5 mm			
	170452	24	21/5	52.5 mm	26.5 mm			
 BAZ15d	**170644**	12	21/4	52.5 mm	26.5 mm			
	170850	24	21/4	52.5 mm	26.5 mm			
 T20	**170776**	12	21/5	44 mm	20 mm			

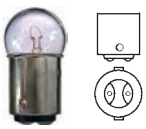
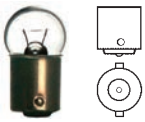
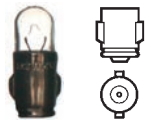
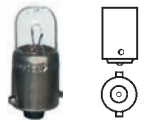
Festoon

HC CAR GO	HC-CARGO	Voltage	Watt	Length	OD	Colour	Type	Comment
 S8.5	**171487**	6	10	36 mm	10.5 mm			
	171094	12	5	36 mm	10.5 mm			
	171097	12	5	41 mm	10.5 mm			
	171095	12	10	36 mm	10.5 mm			
	171098	12	10	41 mm	10.5 mm			
	171120	12	21	41 mm	15 mm			
	171096	24	5	36 mm	10.5 mm			
	171099	24	5	41 mm	10.5 mm			
	171100	24	10	41 mm	10.5 mm			
John	**HC-CARGO**	**Voltage**	**Watt**	**Length**	**OD**	**Colour**	**Type**	**Comment**
 S6	**170591**	12	3	33 mm	8.5 mm			
S7	**170590**	12	3	28 mm	8 mm			
 S8.5	**171484**	6	5	36 mm	10.5 mm			
	171488	6	5	41 mm	10.5 mm			
	171486	6	15	41 mm	15 mm			
	171479	6	18	41 mm	15 mm			
	170341	12	5	36 mm	10.5 mm		C5W	
	170343	12	5	41 mm	10.5 mm			
	170005	12	10	28 mm	10 mm			
	170344	12	10	41 mm	10.5 mm			
	170411	12	10	36 mm	10.5 mm			
	170342	12	15	41 mm	15 mm			
	170588	12	18	41 mm	15 mm			
	171139	12	21	41 mm	15 mm			
	170414	24	5	36 mm	10.5 mm		C5W	
	170592	24	15	41 mm	15 mm			
	170589	24	18	41 mm	15 mm			

O.E.M. names and numbers are used for reference purposes only.

Parking and Flasher - Postion

	HC-CARGO	Voltage	Watt	Length	OD	Colour	Type	Comment
 BA15d	**171102**	24	5	35 mm	18.5 mm			
 BA15S	**170773**	12	5	35 mm	18.5 mm			
	170794	24	5	35 mm	18.5 mm			
	171118	24	5	35 mm	18.5 mm			
 BA7s	**171119**	12	2	19 mm	6.8 mm			
 BA9s	**171490**	6	3	27.4 mm	8.6 mm			
	171103	12	2	23 mm	8.6 mm			
	170774	12	4	27.4 mm	8.6 mm			
	170822	12	4	27.4 mm	8.6 mm	Xenon blue		*Brighter light as standard.*
	170796	24	2	23 mm	8.6 mm			
	170795	24	4	27.4 mm	8.6 mm			
 T15	**171401**	12	5	36 mm	15 mm			

	HC-CARGO	Voltage	Watt	Length	OD	Colour	Type	Comment
 BA15d	**170593**	12	5	35 mm	18.5 mm			
 BA15S	**171481**	6	5	35 mm	18.5 mm			
	171480	6	10	35 mm	18.5 mm			
	171472	6	18	45 mm	26.5 mm			
	170340	12	5	35 mm	18.5 mm		R5W	
	170660	12	5	35 mm	18.5 mm		Longlife	
	170339	12	10	35 mm	19 mm			
	170413	24	5	35 mm	18.5 mm		R5W	
	170455	24	5	35 mm	18.5 mm			
 BA7s	**171483**	6	1.5	20.7 mm	6.8 mm	White		
	170448	12	2	20.7 mm	6.8 mm			
	170456	24	3	20.7 mm	6.8 mm			
 BA9s	**171491**	6	2	27.4 mm	8.6 mm			
	171492	6	4	27.4 mm	8.6 mm			
	170345	12	2	23 mm	8.6 mm			
	170594	12	3	23 mm	8.6 mm			
	170346	12	4	27.4 mm	8.6 mm		T4W	
	170580	12	5	29 mm	15.5 mm			
	170416	24	2	23 mm	8.6 mm		T2W	
	170474	24	3	23 mm	8.6 mm			
	170417	24	4	27.4 mm	8.6 mm		T4W	

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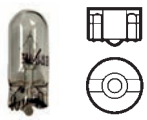
Wedge Base

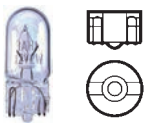
HC-CARGO	Voltage	Watt	Length	OD	Colour	Type	Comment
171121	12	2	26 mm	10 mm			
171104	12	3	26 mm	10 mm			
170948	12	5	26 mm	10.3 mm	Xenon blue		*Brighter light as standard.*
171105	12	5	26 mm	10 mm			
171122	12	5	26 mm	10 mm	Blue		
171123	12	5	26 mm	10 mm	Orange		
170810	12	8	26 mm	10 mm			
171106	24	3	26 mm	10 mm			
171107	24	5	26 mm	10 mm			
170775	12	1.2	20 mm	5 mm			
171108	24	1.2	20 mm	5 mm			
171391	12	3	20 mm	7 mm			

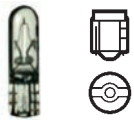

T10

T5

T7

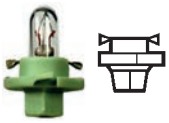
HC-CARGO	Voltage	Watt	Length	OD	Colour	Type	Comment
170725	12	2	26.7 mm	10.3 mm			
170331	12	3	26.7 mm	10.3 mm		W3W	
170778	12	3	26.7 mm	10.3 mm	Orange	W3W	
170779	12	3	26.7 mm	10.3 mm	Green	W3W	
170780	12	3	26.7 mm	10.3 mm	Blue	W3W	
170781	12	3	26.7 mm	10.3 mm	Red	W3W	
170347	12	5	26.7 mm	10.3 mm		W5W	
170662	12	5	26.7 mm	10.3 mm		W5W, Longlife	
170754	12	5	26.7 mm	10.3 mm	Orange	WY5W	
170476	24	3	26.7 mm	10.3 mm		W3W	
170805	24	3	26.7 mm	10.3 mm	Orange	W3W	
170806	24	3	26.7 mm	10.3 mm	Green	W3W	
170807	24	3	26.7 mm	10.3 mm	Blue	W3W	
170808	24	3	26.7 mm	10.3 mm	Red	W3W	
170542	24	5	26.7 mm	10.3 mm		W5W	
171283	12	2	20 mm	5 mm			
170410	12	1.2	20 mm	5 mm			
170617	12	1.2	20 mm	5 mm	Frosted		
170684	24	0.7	20 mm	5 mm			
170477	24	1.2	20 mm	5 mm			

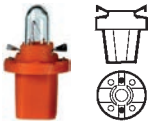

T10


T5

Instrument Panel

HC-CARGO	Voltage	Watt	Length	OD	Colour	Socket colour	Comment
171110	12	2	17.5 mm	5 mm		Light green	
171109	12	1.2	17.5 mm	5 mm		Black	
171381	12	1.2	17.5 mm	5 mm		Blue	
171023	12	1.5	17.5 mm	5 mm		Beige	
171379	12	1	21 mm	5 mm		Orange	
171024	12	1.2	21 mm	5 mm		Blue	
171383	12	1.5	21 mm	5 mm		Beige	
171380	12	0.36	21 mm	5 mm		Purple	
171028	24	1.2	21 mm	5 mm		Brown	
171455	12	2	16.5 mm	5 mm		Green	


B8.4d


B8.5d

B8.7d

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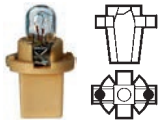
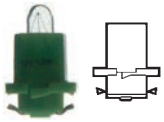
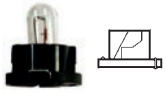
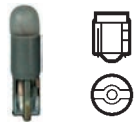
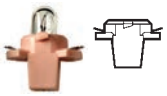
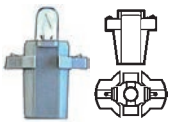
	HC-CARGO	Voltage	Watt	Length	OD	Colour	Socket colour	Comment
BX2d	**171284**	12	1.2	21.5 mm	5 mm		Black	
 EBSN10	**171377**	24	1.2	20 mm	6 mm		Beige	*Alba- type.*
 EBSR11	**171031**	12	1.2	20 mm	5 mm		Green	*Alba- type.*
	170698	12	1.8	20 mm	5 mm		Blue	*Alba- type.*
	171025	24	1.2	21 mm	5 mm		Yellow	*Alba- type.*
	171026	24	1.2	21 mm	5 mm		Brown	*Alba- type.*
	171032	24	1.4	21 mm	5 mm		Green	*Alba- type.*
 F4.8	**171112**	14	1.2	13 mm	4.8 mm		Black	
MFHZ	**171382**	12	1.2	38 mm	5 mm		Black	
MFJF	**171837**	12	2	35 mm	5 mm		Black	
	171384	12	1.2	35 mm	5 mm		Black	
T-1/4	**170364**	14	1.12	10.5 mm	4 mm			
T-1/4NW	**170762**	14	0.8	9 mm	3.4 mm		Dark grey	
	171389	14	1.4	11 mm	3.5 mm		Black	
T-3/4	**170972**	12	0.6	6.5 mm	2.5 mm			*Used as locating light bulbs in switches on japanese vehicles.*
 T5	**171388**	12	0.4	20 mm	5 mm	Frosted	Grey	
 T7	**171111**	14	2	23 mm	7 mm		Pink	
John	**HC-CARGO**	**Voltage**	**Watt**	**Length**	**OD**	**Colour**	**Socket colour**	**Comment**
 B8.3d	**170612**	12	1.2	23.5 mm	5 mm		Black	
	170613	24	1.2	23.5 mm	5 mm		Grey	

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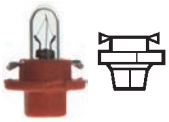
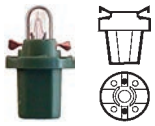
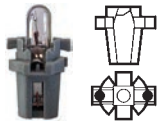
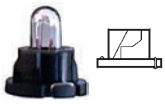
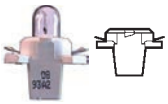
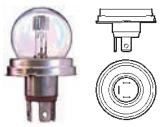
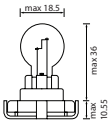
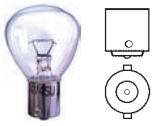
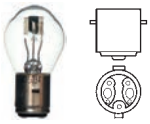
John	HC-CARGO	Voltage	Watt	Length	OD	Colour	Socket colour	Comment
 B8.4d	**170756**	12	2	17.5 mm	5 mm		Light green	
	170727	12	1.2	17.5 mm	5 mm		Black	
	171033	12	1.12	17.5 mm	5 mm		Orange	
 B8.5d	**170610**	12	2	23.5 mm	5 mm		Green	
	170357	12	1.2	23.5 mm	5 mm		Black	
	170358	24	1.2	23.5 mm	5 mm		Grey	
 B8.7d	**170545**	12	1.2	23.5 mm	5 mm		Grey	
 F4.8	**170753**	14	1.4	12 mm	5 mm		Black	
T5	**170755**	12	0.5	19.5 mm	5 mm		Grey	
	170758	12	1.2	20 mm	5 mm		White	
	170782	12	1.2	20 mm	5 mm	Orange		
	170783	12	1.2	20 mm	5 mm	Green		
	170784	12	1.2	20 mm	5 mm	Blue		
	170785	12	1.2	20 mm	5 mm	Red		
 T7	**170757**	14	2	23.5 mm	5 mm		White	

Conventional

HC-CARGO	HC-CARGO	Voltage	Watt	Length	OD	Colour	Type	Comment
 P45t	**170771**	12	45/40	77 mm	41 mm		Bilux	
PG20/4	**171869**	12	24			Orange		*300 lm.*
 PGU20/4	**172074**	12	24	46.5 mm		Orange		

John	HC-CARGO	Voltage	Watt	Length	OD	Colour	Type	Comment
 BA15S	**170577**	12	45	53 mm	36 mm			*For US and UK systems.*
	170578	24	45	53 mm	36 mm			*For US and UK systems.*
 BA20d	**171531**	6	35/35	70 mm	36 mm			
	170814	12	25/25	70 mm	36 mm			
	170815	12	35/35	70 mm	36 mm			
	170573	12	45/40	70 mm	36 mm			
	170574	24	45/40	70 mm	36 mm			

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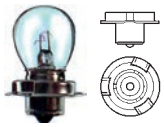
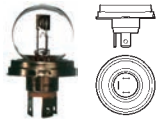
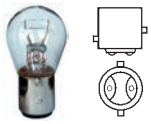
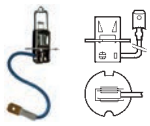
Jahn	HC-CARGO	Voltage	Watt	Length	OD	Colour	Type	Comment
BA20s	**170575**	12	35	66 mm	36 mm			
	170579	12	50	66 mm	36 mm			*For German and Italian systems.*
 P26s	**170816**	12	15	46 mm	25.5 mm			
 P45t	**171477**	6	45/40	77 mm	41 mm		Bilux	
	170338	12	45/40	77 mm	41 mm		Bilux	
	170350	24	55/50	77 mm	41 mm		Bilux	

Electric Vehicles and Forklifts

HC-CARGO	HC-CARGO	Voltage	Watt	Length	OD	Colour	Type	Comment
BA15S	**171410**	48	10	35 mm	16 mm			
	171408	48	25	50 mm	25 mm			
 BAY15d	**171411**	48	25/10	50 mm	25 mm			
 PK22s	**171407**	48	45	42 mm	11.5 mm		Halogen, H3	
	171378	80	55	42 mm	11.5 mm		Halogen, H3	

Flash and Penlight

HC-CARGO	HC-CARGO	Voltage	Watt	Length	OD	Colour	Type	Comment
E10	**170509**	12	3	24 mm	11.5 mm			
	170674#	24	2	24 mm	11.5 mm			
P13.5s	**171280**	48		30 mm	11 mm		Krypton	

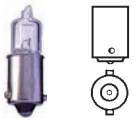
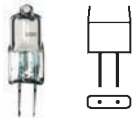
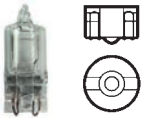
Wedge Base - Covers

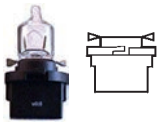
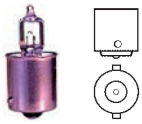
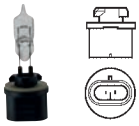
Jahn	HC-CARGO	Voltage	Watt	Length	OD	Colour	Type	Comment
	170731					Blue		
	170732					Green		
	171127					Orange		

O.E.M. names and numbers are used for reference purposes only.

John	HC-CARGO	Voltage	Watt	Length	OD	Colour	Type	Comment
	171128					Blue		
	171129					Green		
	171130					Red		
	171131					Orange		

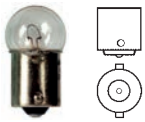
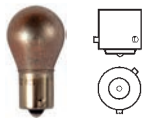
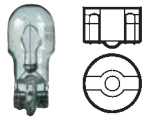
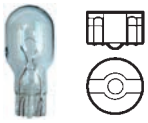
Halogen

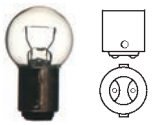
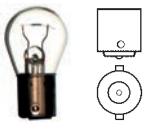
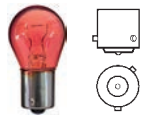
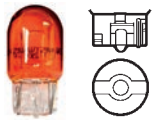
CARGO	HC-CARGO	Voltage	Watt	Length	OD	Colour	Type	Comment
 BA9s	**170470**	12	5	33 mm	9 mm			
	170502	12	12	33 mm	9 mm			
	170380	12	20	35 mm	9 mm			
 G4	**171425**	12	5	30 mm	8 mm			
	170712	12	10	30 mm	8 mm			
	170749	12	20	30 mm	8 mm			
	170848	24	10	30 mm	8 mm			
	170750	24	20	30 mm	8 mm			
 T10	**171124**	12	5	33 mm	9 mm			

John	HC-CARGO	Voltage	Watt	Length	OD	Socket colour	Type	Comment
 B10d	**170751**	12	3	27.8 mm	8.8 mm	Brown		
	170752	12	5	27.8 mm	8.8 mm	Black		
 BA15S	**170839**	12	10	37.5 mm	10 mm			
 PG13	**171748**	12	50				American, 885	
W2.5x16d	**171747**	12	27				American, 3156	

O.E.M. names and numbers are used for reference purposes only.

Stop and Flasher - Position

	HC-CARGO	Voltage	Watt	Length	OD	Colour	Type	Comment
BA15d	**171088**	24	15	43 mm	23 mm			
 BA15S	**170772**	12	10	35 mm	18 mm			
	170769	12	21	50 mm	25 mm			
	171091	12	21	50 mm	25 mm	Orange		
	170793	24	10	35 mm	18 mm			
	171076	24	10	35 mm	18 mm			
	171086	24	15	43 mm	23 mm			
	170826	24	21	50 mm	25 mm			
	171078	24	21	50 mm	25 mm			
 BAU15s	**171089**	12	21	50 mm	25 mm	Orange		
	171371	12	21	50 mm	25 mm	Silver/amber		
	171090	24	21	50 mm	25 mm	Orange		
 T13	**171390**	12	10	30 mm	13 mm			
 T15	**171402**	12	10	36 mm	15 mm			
	171403	12	21	36 mm	15 mm			

	HC-CARGO	Voltage	Watt	Length	OD	Colour	Type	Comment
 BA15d	**170583**	12	15	45 mm	26.5 mm			
	170585	12	20	45 mm	26.5 mm			
	170481	24	20	45 mm	26.5 mm			
 BA15S	**171475**	6	21	52.5 mm	26.5 mm			
	170584	12	15	35 mm	19 mm			
	170335	12	21	52.5 mm	26.5 mm		P12W	
	170658	12	21	52.5 mm	26.5 mm		Longlife	
	170351	24	10	35 mm	19 mm		R10W	
	170454	24	10	35 mm	15 mm			
	170349	24	21	52.5 mm	26.5 mm		P21W	
	170451	24	21	52.5 mm	26.5 mm			
	170614	24	25	45 mm	26.5 mm			
 BAU15s	**170849**	24	21	52.5 mm	26.5 mm	Orange		
T16	**170813**	12	16	37 mm	15 mm			
 T20	**170777**	12	21	44 mm	20 mm			
	171398	12	21	44 mm	20 mm	Orange		

O.E.M. names and numbers are used for reference purposes only.

Spare Lamp Kits

For Cars

Jahn

171040

171042

171043

Dimensions: 90 x 90 x 57 mm.

Contains:

HC-CARGO	TYPE	Jahn Ref. No.	Description	H4 171040	H7 171042	H1/H7 171043
170804	H4	1134	12 V. 60/55 W. P43t.	1		
170332	H1	1111	12 V. 55 W. P14.5s.		1	
170720	H7	1117	12 V. 55 W. PX 26d.		1	1
170335	P12W	1321	12 V. 21 W. BAY15s.	1	1	1
170336	P21/5W	1341	12 V. 21/5W. BAY15d.	1	1	1
170648	PY21W	1383	12 V. 21W. BAU15s.		1	1
170347	W5W	1621	12 V. 5 W. W2.1 x 9.5d.		1	1
170340	R5W	1401	12 V. 5 W. BA15s.	1	1	
170341	C5W	1711	12 V. 5 W. SV8.5.		1	1
170346	T4W	1501	12 V. 5 W. SV8.5.	1		
190057	ATO blade fuse		10 Amp. Red.	1	1	1
190058	ATO blade fuse		15 Amp. Blue.	1	1	1
190059	ATO blade fuse		20 Amp. Yellow.	1	1	1

For Trucks and Busses

Jahn

Contains:

HC-CARGO	TYPE	Jahn Ref. No.	Description	H4 171044
170348	H4	1102	24 V. 75/70W P43t.	2
170417	T4W	1502	24 V. 4 W. BA9s.	2
170413	R5W	1402	24 V. 5 W. BA15s.	1
170351	R10W	1412	24 V. 10 W. BA15s.	1
170349	P21W	1322	24 V. 21 W. BA15s.	4
170416	T2W	1512	24 V. 2 W. BA9s.	2
170475	Fest. T10.5	1732	24 V. 10 W. SV8.5.	1
170414	C5W	1712	24 V. 5 W. SV8.5.	1
190057	ATO blade fuse		10 Amp. Red.	1
190058	ATO blade fuse		15 Amp. Blue.	1
190059	ATO blade fuse		20 Amp. Yellow.	1
190060	ATO blade fuse		25 Amp. Natural.	1

171044

Dimensions: 210 x 95 x 60 mm.

O.E.M. names and numbers are used for reference purposes only.

Electrical Components

Edition 2015/2016

ISO 9001
BUREAU VERITAS
Certification

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

CAMERA & PARKING SENSORS

CCTV REAR OBSERVATION SYSTEM

160775 Rear Observation Kit

Kit consisting of 1x7" monitor w/ quad: HC-CARGO 160776. 1x colour camera w/ audio: HC-CARGO 160796. 1x20 m extension cable: HC-CARGO 160611.

Voltage: 12/24

Extension cable: 20 m
Height: 140 mm
Depth: 50.8 mm
Display size: 7"
Width: 191 mm
Wide angle: 60°

Monitor: LED
Type: Camera kit
Camera type: Colour
Accessories: DVD
No./cameras: 4+1
Audio: Yes
Extra camera: w/
Infrared: w/

160783 Rear Observation Kit

Kit consisting of 1x7" monitor: HC-CARGO 160784. 1x colour camera: HC-CARGO 160796. 1x20 m extension cabel: HC-CARGO 160611.

Voltage: 12/24

Extension cable: 20 m
Height: 140 mm
Depth: 50.8 mm
Display size: 7"
Width: 191 mm
Wide angle: 60°

Monitor: LED
Type: Camera kit
Camera type: Colour
Accessories: DVD
No./cameras: 3+1
Remote control: w/o
Audio: Yes
Extra camera: w/
Infrared: w/

160793 Rear View Mirror Monitor kit

w/o camera and extension cable. Camera: HC-CARGO 160610, 160796. Extension cables use: HC-CARGO 160611, 160612, 160613, 160672.

Voltage: 12/24

Display size: 4.3"

Camera type: Colour
Accessories: DVD
Audio: Yes

160994 Rear Observation Kit

Consists: 1x7" monitor w/ remote control: HC-CARGO 160995. 1x colour camera: HC-CARGO 160887. 1x20 m extension cable: HC-CARGO 160888.

Voltage: 12-24

Extension cable: 20 m
Display size: 7"

Monitor: TFT-LCD
Type: Camera kit
Camera type: Colour
No./cameras: max. 2
Remote control: w/
Audio: Yes
Infrared: w/
Language: Chinese, German, English, French, Dutch, Italian, Japanese, Portuguese, Spanish

160996 Rear Observation Kit

Consists: 1x5" monitor w/ remote control: HC-CARGO 160997. 1x colour camera: HC-CARGO 160887. 1x20 m extension cable: HC-CARGO 160888.

Voltage: 12-24

Extension cable: 20 m
Display size: 5"

Monitor: TFT-LCD
Type: Camera kit
Camera type: Colour
No./cameras: max. 2
Remote control: w/
Audio: Yes
Extra camera: w/
Infrared: w/
Language: Chinese, German, English, French, Dutch, Italian, Japanese, Portuguese, Spanish

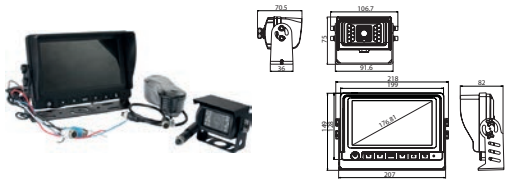
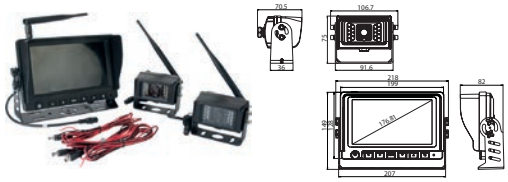
161005 Rear Observation Kit

Voltage: 12

Display size: 3.5"
Wide angle: 170°

Monitor: TFT-LCD
Type: Camera kit
Camera type: Colour - Wireless
No./cameras: 1
Audio: No
Infrared: w/o
Language: Chinese, German, English, French, Dutch, Italian, Japanese, Portuguese, Spanish

O.E.M. names and numbers are used for reference purposes only.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
161007 Rear Observation Kit, Waterproof *IP 67.*			
	Voltage: 12-24	**Display size:** 7"	**Monitor:** TFT-LCD **Type:** Camera kit **Camera type:** Colour **No./cameras:** Max. 2 **Remote control:** w/ **Audio:** Yes **Infrared:** w/ **Language:** Chinese, German, English, French, Dutch, Italian, Japanese, Portuguese, Spanish
161027 Rear Observation Kit *Consists: 1x7" monitor: HC-CARGO 161034. 1x colour camera: HC-CARGO 161028. 1x10 m extension cable: HC-CARGO 160889.*			
	**Voltage:** 12-24	**Extension cable:** 10 m **Display size:** 7" **Wide angle:** 130°	**Monitor:** TFT-LCD **Type:** Camera kit **Camera type:** Colour **No./cameras:** max. 2 **Audio:** No **Infrared:** w/ **Language:** Chinese, German, English, French, Dutch, Italian, Portuguese, Spanish, Danish, Russian, Polish
161031 Rear Observation Kit *Consists: 1x7" monitor: HC-CARGO 161032. 2x colour camera: HC-CARGO 161033.*			
	**Voltage:** 12-24	**Display size:** 7" **Wide angle:** 130°	**Monitor:** TFT-LCD **Type:** Camera kit **Camera type:** Colour - Wireless **No./cameras:** 2 **Audio:** No **Infrared:** w/ **Language:** English
161039 Rear Observation Kit *Consists: 1x5" monitor: HC-CARGO 161040. 1x colour camera: HC-CARGO 161043. 1x20 m extension cable: HC-CARGO 160888.*			
NEW PRODUCT www.hc-cargo.com	**Voltage:** 12-24	**Extension cable:** 20 m **Display size:** 5" **Wide angle:** 130°	**Monitor:** TFT-LCD **Type:** Camera kit **Camera type:** Colour **No./cameras:** max. 2 **Remote control:** w/ **Audio:** Yes **Infrared:** w/ **Language:** Chinese, German, English, French, Dutch, Italian, Portuguese, Spanish, Danish, Russian, Polish

CAMERAS

160610 CCTV Camera *w/ original anoised finish and anti-fog glas.*	**Servicing:** HC-CARGO 160775, 160783, 160793		
	Voltage: 12 **Light sensitivity:** 0.1 lux	**OD:** 30 mm **Length:** 70 mm **Connection cable:** 6 pin mini DIN **Weight:** 0.200 kg **Resolution:** >330 TV lines **Shutter rate:** 1/50-1/100.000 sec. **Wide angle:** 110°	**Signal system:** PAL **Type:** Colour **Colour:** Black **Material:** Aluminium **Picture sensor:** 1/3" CCD **Microphone:** w/o **Mirror function:** w/ **Protection degree:** IP 68
160880 Side Camera	**Servicing:** HC-CARGO 160775, 160783, 160793		
	Voltage: 12 **Light sensitivity:** 0 lux/ IR LED on lux	**Connection cable:** 2 m **Height:** 60.7 mm **Depth:** 82.6 mm **Width:** 61.12 mm **Resolution:** 380 TV lines **Shutter rate:** 1/60-1/100.000 sec. **Wide angle:** 73°	**Signal system:** PAL **Type:** Colour **Colour:** Black **Material:** Aluminium **Picture sensor:** 1/4" CCD **Microphone:** w/o **Infrared:** w/ **Mirror function:** w/ **Protection degree:** IP 67

O.E.M. names and numbers are used for reference purposes only.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
160887 Colour Camera	**Servicing:** HC-CARGO 160994, 160996		
	Voltage: 12/24 **Light sensitivity:** 0 lux	**Connection cable:** 0.3 m 4 pin **Height:** 43 mm **Depth:** 57 mm **Width:** 75 mm **Resolution:** 420 TV lines **Wide angle:** 120°	**Signal system:** PAL **Type:** Colour **Colour:** Black **Material:** Aluminium **Picture sensor:** 1/3" CCD **Microphone:** w/ **Infrared:** w/ **Mirror function:** w/ **Protection degree:** IP 68
160972 Colour Camera	**Servicing:** HC-CARGO 160994, 160996		
	Voltage: 12/24 **Light sensitivity:** 0 lux	**Connection cable:** 0.3 m 4 pin **Height:** 43 mm **Depth:** 57 mm **Width:** 75 mm **Resolution:** 480 TV lines **Wide angle:** 95°	**Signal system:** PAL/NTSC **Type:** Colour **Colour:** Black **Material:** Aluminium **Picture sensor:** 1/3" CCD **Microphone:** w/ **Infrared:** w/ **Mirror function:** w/ **Protection degree:** IP 68
161006 Colour Camera w/ auto close	**Servicing:** HC-CARGO 161027, 160994, 161005, 161007, 161039		
	Voltage: 12-24 **Light sensitivity:** 0 lux	**Connection cable:** 0.5 m **Resolution:** 420 TV lines **Wide angle:** 140°	**Signal system:** PAL/NTSC **Type:** Colour **Colour:** Black **Material:** Aluminium **Picture sensor:** 1/3" CCD **Microphone:** w/o **Infrared:** w/ **Protection degree:** IP 68
161028 Colour Camera	**Servicing:** HC-CARGO 161027, 160994, 160996, 161005, 161007		
	Voltage: 12 **Light sensitivity:** 0 lux	**Connection cable:** 4 pin **Height:** 77.2 mm **Depth:** 66 mm **Width:** 77.2 mm **Resolution:** 420 TV lines **Wide angle:** 130°	**Signal system:** PAL **Type:** Colour **Colour:** Black **Material:** Aluminium **Picture sensor:** 1/3" CCD **Microphone:** w/o **Infrared:** w/ **Mirror function:** w/ **Protection degree:** IP 69K
161029 Colour Camera w/ Heat.			
HC-CARGO 161027, 160994, 160996, 161005, 161007			
	Voltage: 12-24 **Light sensitivity:** 0 lux	**Connection cable:** 4 pin **Height:** 77.2 mm **Depth:** 66 mm **Width:** 77.2 mm **Resolution:** 420 TV lines **Wide angle:** 130°	**Signal system:** PAL **Type:** Colour **Colour:** Black **Material:** Aluminium **Picture sensor:** 1/3" CCD **Microphone:** w/ **Infrared:** w/ **Mirror function:** w/ **Protection degree:** IP 69K
161030 Side Camera	**Servicing:** HC-CARGO 161027, 160994, 160996, 161005, 161007		
	Voltage: 12 **Light sensitivity:** 0 lux	**Connection cable:** 4 pin **Height:** 60 mm **Depth:** 90 mm **Width:** 75 mm **Resolution:** 420 TV lines **Wide angle:** 130°	**Signal system:** PAL **Type:** Colour **Colour:** Black **Material:** Aluminium **Picture sensor:** 1/3" CCD **Microphone:** w/o **Infrared:** w/ **Protection degree:** IP 69K
161033 Colour Camera	**Servicing:** HC-CARGO 161031		
	Voltage: 12-24 **Light sensitivity:** 0 lux	**Connection cable:** 4 pin **Height:** 75 mm **Depth:** 70.5 mm **Width:** 106.7 mm **Resolution:** 420 TV lines **Wide angle:** 120°	**Signal system:** PAL/NTSC **Type:** Colour - Wireless **Colour:** Black **Material:** Aluminium **Picture sensor:** 1/4" CMOS **Microphone:** w/o **Infrared:** w/ **Mirror function:** w/ **Protection degree:** IP 69K

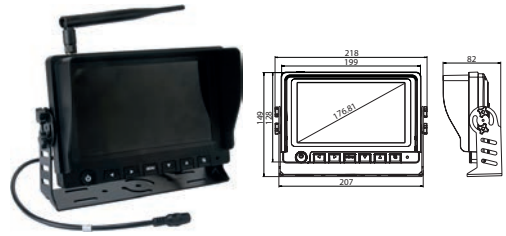
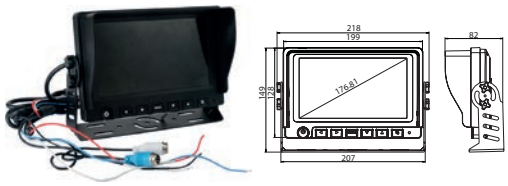
O.E.M. names and numbers are used for reference purposes only.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
161038 Colour Camera w/ Audio	**Servicing:** HC-CARGO 160775, 160783, 160793		
	Voltage: 12 **Light sensitivity:** 0 lux	**Connection cable:** 1.3 m w/ 6 pin Mini DIN **Height:** 75 mm **Depth:** 60 mm **Width:** 90 mm **Resolution:** 420 TV lines **Shutter rate:** 1/50-1/100.000 sec. **Wide angle:** 122°	**Signal system:** PAL/NTSC **Type:** Colour **Colour:** White **Material:** Aluminium **Picture sensor:** 1/3" CCD **Microphone:** w/ **Infrared:** w/ **Mirror function:** w/ **Protection degree:** IP 68
161041 Colour camera for roof mounting	**Servicing:** HC-CARGO 161027, 160994, 161005, 161007, 161039		
NEW PRODUCT www.hc-cargo.com	**Voltage:** 12 **Light sensitivity:** 0 lux	**Connection cable:** 0.35 m **Height:** 80 mm **Depth:** 215 mm **Width:** 135 mm **Weight:** 0.36 kg **Resolution:** 420 TV lines **Wide angle:** 120°	**Signal system:** PAL/NTSC **Type:** Colour **Colour:** Black **Picture sensor:** 1/3" CCD **Microphone:** w/o **Infrared:** w/ **Protection degree:** IP 66
161043 Colour Camera	**Servicing:** HC-CARGO 161027, 160994, 161005, 161007, 161039		
	Voltage: 12 **Light sensitivity:** 0 lux	**Connection cable:** 4 pin **Height:** 70 mm **Depth:** 84 mm **Width:** 76 mm **Weight:** 0.4 kg **Resolution:** 420 TV lines **Wide angle:** 130°	**Signal system:** PAL **Type:** Colour **Colour:** Black **Material:** Aluminium **Picture sensor:** 1/3" CCD **Microphone:** w/ **Infrared:** w/ **Mirror function:** w/ **Protection degree:** IP 69K

MONITORS

160776 Monitor	**Servicing:** HC-CARGO 160775		
	Voltage: 12/24	**Display size:** 7" **Resolution:** 1440x234 pixels	**Signal system:** PAL/NTSC **Type:** LED **Mount. bracket:** w/ **Loudspeaker:** Yes **Mirror function:** w/
160784 Monitor			
	Voltage: 12/24	**Display size:** 7" **Resolution:** 1440(W) x 234(H) pixels	**Signal system:** PAL/NTSC **Type:** TFT-LCD **Mount. bracket:** w/ **Loudspeaker:** Yes **Mirror function:** w/
160995 Monitor	**Servicing:** HC-CARGO 160994		
	Voltage: 12-24	**Display size:** 7" **Resolution:** 400x234 pixels	**Signal system:** PAL/NTSC **Type:** TFT-LCD **Mount. bracket:** w/ **Remote control:** w/ **Loudspeaker:** Yes **Mirror function:** w/o **Language:** Chinese, German, English, French, Dutch, Italian, Japanese, Portuguese, Spanish
160997 Monitor	**Servicing:** HC-CARGO 160996		
	Voltage: 12-24	**Display size:** 5" **Resolution:** 400x234 pixels	**Signal system:** PAL/NTSC **Type:** TFT-LCD **Mount. bracket:** w/ **Remote control:** w/ **Loudspeaker:** Yes **Mirror function:** w/o **Language:** Chinese, German, English, French, Dutch, Italian, Japanese, Portuguese, Spanish

O.E.M. names and numbers are used for reference purposes only.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
161032 Monitor	**Servicing:** HC-CARGO 161031		
	**Voltage:** 12-24	**Display size:** 7" **Resolution:** 800x480 pixels	**Type:** TFT-LCD **Camera type:** Colour - Wireless **Mount. bracket:** w/ **Mirror function:** w/ **Language:** Chinese, German, English, French, Dutch, Italian, Portuguese, Spanish, Danish, Russian, Polish
161034 Monitor	**Servicing:** HC-CARGO 161027		
	**Voltage:** 12-24	**Display size:** 7" **Resolution:** 800x480 pixels	**Type:** TFT-LCD **Camera type:** Colour **Mount. bracket:** w/ **Loudspeaker:** Yes **Mirror function:** w/ **Language:** Chinese, German, English, French, Dutch, Italian, Portuguese, Spanish, Danish, Russian, Polish
161040 Monitor	**Servicing:** HC-CARGO 161039		
NEW PRODUCT www.hc-cargo.com	**Voltage:** 12-24	**Display size:** 5" **Resolution:** 640x480 pixels	**Type:** TFT-LCD **Mount. bracket:** w/ **Remote control:** w/ **Loudspeaker:** Yes **Mirror function:** w/ **Language:** Chinese, German, English, French, Dutch, Italian, Portuguese, Spanish, Danish, Russian, Polish

ACCESSORIES

160611 CCTV Extension Cable	**Servicing:** HC-CARGO 160775, 160783, 160793		
		Length: 20 m	**Plug:** Mini DIN 6 pin
160612 CCTV Extension Cable	**Servicing:** HC-CARGO 160775, 160783, 160793		
		Length: 15 m	**Plug:** Mini DIN 6 pin
160613 CCTV Extension Cable	**Servicing:** HC-CARGO 160775, 160783, 160793		
		Length: 10 m	**Plug:** Mini DIN 6 pin
160672 CCTV Extension Cable	**Servicing:** HC-CARGO 160775, 160783, 160793		
		Length: 6 m	**Plug:** Mini DIN 6 pin

O.E.M. names and numbers are used for reference purposes only.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
160888 CCTV Extension Cable	**Servicing:** HC-CARGO 160994, 160996		
		Length: 20 m	**Plug:** 4 pin
160889 CCTV Extension Cable	**Servicing:** HC-CARGO 160994, 160996		
		Length: 10 m	**Plug:** 4 pin
160916 Trailer Cable Kit	**Servicing:** HC-CARGO 160994, 160996		
		Cable from socket to camera: 2 m **Cable from socket to monitor:** 5 m **Coil length:** 3 m	**Plug:** 4 pin
160961 Power Cable	**Servicing:** HC-CARGO 160886		
	Voltage: 12-24		
160965 Lens	**Servicing:** HC-CARGO 160610		
			Material: Glass
160993 Trailer Cable Kit	**Servicing:** HC-CARGO 160775, 160783, 160793		
		Cable from socket to camera: 20 m **Cable from socket to monitor:** 5 m **Coil length:** 2 m	**Plug:** Mini DIN 6 pin
161036 Aerial	**Servicing:** HC-CARGO 161031, 161032, 161033		
			Colour: Black **Material:** Rubber

O.E.M. names and numbers are used for reference purposes only.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
161037 Lens	**Servicing:** HC-CARGO 160610		
			Material: Glass
161044 Monitor Mounting, W/suction Cup			
NEW PRODUCT www.hc-cargo.com			

ACOUSTIC WARNING

REVERSING ALARMS

160346 Reversing Alarm			
w/ "beep-beep" warning sound.			
	Voltage: 12 **Watt:** 10 **Decibel:** 90		**Bulb type:** Halogen **Socket type:** BA15S **ADR-approved:** No
160410 Reversing Alarm			
w/ "beep-beep" warning sound.			
	Voltage: 24 **Watt:** 20 **Decibel:** 90		**Bulb type:** Halogen **Socket type:** BA15S **ADR-approved:** No
160481 Reversing Alarm			
	Voltage: 12/24 **Amp:** 0.25 **Decibel:** 96 **Hertz:** 2500		**Overvoltage:** Yes **Waterproof:** Yes **ADR-approved:** No
160482 Reversing Alarm			
Night attenuation, excluding when fog lights are on. RED LEAD- To reverse lamp, BLACK LEAD- To earth, ORANGE LEAD- To side lamp (night silent mode), GREEN LEAD- To fog lamp (night silent override).			
	Voltage: 12/24 **Amp:** 0.25 **Decibel:** 100 **Hertz:** 980		**Overvoltage:** Yes **Waterproof:** Yes **ADR-approved:** Yes
160689 Reversing Alarm			
	Voltage: 12/80 **Miliamp:** 30 **Decibel:** 85 **Hertz:** 3200	**Weight:** 0.035 kg	**Type:** Buzzer **Waterproof:** Yes **ADR-approved:** No

O.E.M. names and numbers are used for reference purposes only.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

BUZZERS

160533 Warning Buzzer

Voltage: 24
Miliamp: 21
Decibel: 99
Hertz: 400±100

160534 Warning Buzzer

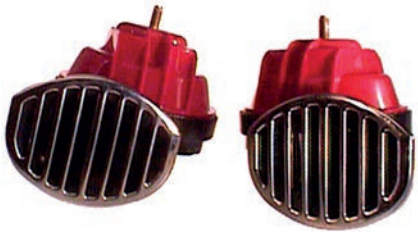
Voltage: 12
Miliamp: 25
Decibel: 97
Hertz: 400±100

HORNS

ELECTRICAL

160036 Twin Fanfare Horn

Red w/ chromium grill.



Voltage: 12
Decibel: 112
Hertz: 410-490

Relay: w/
Marine: No
E-approval: Yes

160393 Horn

2 terminals. w/ bracket.

Voltage: 36-48
Amp: 1
Decibel: 112
Hertz: 420

OD: 100 mm

Type: Single tone
Material: Steel
Marine: No
E-approval: Yes

160414 Horn

Model EM2.

Voltage: 24
Amp: 4
Decibel: 118
Hertz: 370

Length: 400 mm

Type: Single tone
Material: Chromed brass
Relay: w/o
Marine: Yes

160415 Horn

Model EM2.

Voltage: 12
Amp: 5
Decibel: 118
Hertz: 370

Length: 400 mm

Type: Single tone
Material: Chromed brass
Relay: w/o
Marine: Yes

O.E.M. names and numbers are used for reference purposes only.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
160658 Horn	**Servicing:** VW		
w/ K-Jetronic connection. w/ bracket.			
	Voltage: 12 **Amp:** <1 **Hertz:** 335	**OD:** 100 mm	**Type:** Single tone **Material:** Steel **Marine:** No **E-approval:** Yes
160712 Horn	**Servicing:** VW		
w/ K-Jetronic connection.			
	Voltage: 12	**OD:** 82 mm **Length:** 117 mm	**Type:** Dual tone **Relay:** w/o **Marine:** No **E-approval:** Yes
160746 Horn	**Servicing:** Scooters and motor cycles		
2 terminals. w/ bracket.			
	Voltage: 12 **Amp:** 1-1.4 **Decibel:** 109 **Hertz:** 410-550	**OD:** 70 mm	**Type:** Single tone **Material:** Steel **Marine:** No **E-approval:** Yes
160986 Horn			
2 terminals. w/ bracket.			
	Voltage: 12 **Amp:** 3.5 **Decibel:** 112 **Hertz:** 420	**OD:** 90 mm	**Type:** Single tone **Material:** Steel **Marine:** No **E-approval:** Yes
160987 Horn			
2 terminals. w/ bracket.			
	Voltage: 24 **Amp:** 2.5 **Decibel:** 112 **Hertz:** 420	**OD:** 90 mm	**Type:** Single tone **Material:** Steel **Marine:** No **E-approval:** Yes
160988 Horn			
2 terminals. w/ bracket.			
	Voltage: 12 **Amp:** 3.5 **Decibel:** 112 **Hertz:** 335	**OD:** 90 mm	**Type:** Single tone **Material:** Steel **Marine:** No **E-approval:** Yes
160989 Horn			
2 terminals. w/ bracket.			
	Voltage: 24 **Amp:** 2.5 **Decibel:** 112 **Hertz:** 335	**OD:** 90 mm	**Type:** Single tone **Material:** Steel **Marine:** No **E-approval:** Yes

O.E.M. names and numbers are used for reference purposes only.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

AIR HORNS

160002 Compressor Horn

w/ parts.

Voltage: 12
Amp: 16
Decibel: 117
Hertz: 630-795

Type: Dual tone
Material: Shockproof plastic
Relay: w/
E-approval: Yes

160038 Pneumatic Horn

Operating pressure 500-1200 kPa. For trucks equipped w/ on-board air.

Decibel: 118
Hertz: 330/370

OD: 80 mm
Length: 390 mm

Type: Dual tone
Material: Chromed Metal
E-approval: Yes

160355 Pneumatic Horn

Servicing: Trucks

Operating pressure 30-1200 kPa. Equipped w/ on-board air.

Decibel: 118
Hertz: 210

OD: 160 mm
Length: 600 mm

Type: Single tone
Material: Chromed Metal
E-approval: Yes

160356 Pneumatic Horn

Servicing: Trucks

Operating pressure 30-1200 kPa. Equipped w/ on-board air.

Decibel: 118
Hertz: 190

OD: 160 mm
Length: 680 mm

Type: Single tone
Material: Chromed Metal

160508 Compressor Horn

Voltage: 24
Amp: 8
Decibel: 118
Hertz: 692-756

Type: Dual tone
Material: Shockproof plastic
Relay: w/
E-approval: Yes

SPARE PARTS

160039 Electric Valve

For Compressor horn.

Voltage: 24

O.E.M. names and numbers are used for reference purposes only.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
160213 Compressor			
Marine horn: HC-CARGO 160048.			
	Voltage: 24	**OD:** 90 mm **Length:** 165 mm **Pressure:** 2 bar	**Material:** Aluminium **Relay:** w/ **Marine:** Yes
160333 Compressor	**Servicing:** HC-CARGO 160038		
Approved for boats until 12 mtr.			
	Voltage: 12	**OD:** 70 mm **Length:** 112 mm **Pressure:** 1.5 bar	**Type:** 1, 2 and 3 tones **Material:** Aluminium **Relay:** w/ **Marine:** Yes
160334 Compressor	**Servicing:** HC-CARGO 160038		
	Voltage: 24	**OD:** 70 mm **Length:** 112 mm **Pressure:** 1.5 bar	**Type:** 1, 2 and 3 tones **Material:** Aluminium **Relay:** w/ **Marine:** Yes

SPARE PARTS

160042 Y-Connector	**Servicing:** HC-CARGO 160002, 160508		
190097 PA Hose 8 mm			
		ID: 8 mm **OD:** 11.6 mm **Length:** 50 m	**Hose type:** Washer

POWER MANAGEMENT COMPONENTS

VOLTAGE CONVERTERS

160899 Adaptor			
Max. output 220 W. 7-13 pole.			
	Voltage/in: 24 **Voltage/out:** 12 **Watt/out:** 6x70		**Type:** Switch mode

O.E.M. names and numbers are used for reference purposes only.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
160900 Trailer Light Converter Adapter *Max. output 220 W. 7-7 pole.*			
	Voltage/in: 24 **Voltage/out:** 12 **Watt/out:** 6x70		**Type:** Switch mode
160901 Trailer Light Converter *Output: 2x42 W + 4x60 W. Level B. To be used when HC-CARGO 160899 and 160900 are not suited.*			
	Voltage/in: 24 **Voltage/out:** 12		**Type:** Switch mode/isolated **Protection degree:** IP 69K **Approvals:** Connection

NON INSULATED

160387 Voltage Converter *The converter is supplied w/ a unique clip mounting bracket. The converter is intended for use w/ radios, casette players or other similar equipment. Fitting instruction included.*			
	Voltage/in: 24 **Voltage/out:** 13.8 **Amp/5 min:** 6 **Amp/cont.:** 3 **Amp/ offload:** 8 **Watt/out:** 40	**Dim.:** 68x87x50 mm	**Type:** Switch mode/uninsulated **Alarm/over heating:** Yes **Alarm/overvoltage:** Yes **Alarm/rev. con.:** Yes **Alarm/transients:** Yes **Over current:** Yes **Approvals:** CE
160388 Voltage Converter *The converter is supplied w/ a unique clip mounting bracket. The converter is intended for use w/ radios, casette players or other similar equipment. Fitting instruction included.*			
	Voltage/in: 24 **Voltage/out:** 13.8 **Amp/5 min:** 10 **Amp/cont.:** 6 **Amp/ offload:** 8 **Watt/out:** 75	**Dim.:** 90x87x50 mm	**Type:** Switch mode/uninsulated **Alarm/over heating:** Yes **Alarm/overvoltage:** Yes **Alarm/rev. con.:** Yes **Alarm/transients:** Yes **Over current:** Yes **Approvals:** CE
160306 Voltage Converter *The converter is supplied w/ a unique mounting bracket. The converter is intended for use w/ heavy duty communication equipment or other similar equipment. Fitting instruction included.*			
	Voltage/in: 24 **Voltage/out:** 13.8 **Amp/5 min:** 18 **Amp/cont.:** 12 **Amp/ offload:** 8 **Watt/out:** 160	**Dim.:** 128x87x50 mm	**Type:** Switch mode/uninsulated **Alarm/over heating:** Yes **Alarm/overvoltage:** Yes **Alarm/rev. con.:** Yes **Alarm/transients:** Yes **Over current:** Yes **Approvals:** CE
160389 Voltage Converter *The converter is supplied w/ a unique clip mounting bracket. The converter is intended for use w/ high power audio installations and high frequency radio transmission or other similar equipment. Fitting instruction included.*			
	Voltage/in: 24 **Voltage/out:** 13.8 **Amp/5 min:** 30 **Amp/cont.:** 24 **Amp/ offload:** 8 **Watt/out:** 330	**Dim.:** 168x87x50 mm	**Type:** Switch mode/uninsulated **Alarm/over heating:** Yes **Alarm/overvoltage:** Yes **Alarm/rev. con.:** Yes **Alarm/transients:** Yes **Over current:** Yes **Approvals:** CE

O.E.M. names and numbers are used for reference purposes only.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

INSULATED

160960 Power Converter

Servicing: Used for mounting computers in trollies

Modified to stabilize the output voltage.

Voltage/in: 10-32
Voltage/out: 12
Amp/cont.: 6
Watt/out: 72

Dim.: 167x87x50 mm

Type: Switch mode/isolated
Protection degree: IP 533
Approvals: CE

160642 Converter

Voltage/in: 12
Voltage/out: 24
Amp/5 min: 4
Amp/cont.: 3
Amp/ offload: <50
Watt/out: 72

Dim.: 89x87x50 mm

Type: Switch mode/isolated
Over current: Yes
Approvals: CE

160644 Converter

Voltage/in: 12
Voltage/out: 24
Amp/5 min: 9
Amp/cont.: 7
Amp/ offload: <50
Watt/out: 168

Dim.: 167x87x50 mm

Type: Switch mode/isolated
Over current: Yes
Approvals: CE

160646 Converter

Voltage/in: 12
Voltage/out: 24
Amp/5 min: 13
Amp/cont.: 10
Amp/ offload: <50
Watt/out: 240

Dim.: 217x87x50 mm

Type: Switch mode/isolated
Over current: Yes
Approvals: CEv

160390 Voltage Converter

The converter is supplied w/ a unique clip mounting bracket. The converter is intended for use w/ the same equipment as HC-CARGO 160387, but for systems where full isolation is required e.g. marine electrical systems and vehicles for petroche. Instruction included.

Voltage/in: 24
Voltage/out: 13.8
Amp/5 min: 6
Amp/cont.: 3
Amp/ offload: 8
Watt/out: 40

Dim.: 90x87x50 mm

Type: Switch mode/isolated
Alarm/over heating: Yes
Alarm/overvoltage: Yes
Alarm/rev. con.: Yes
Alarm/transients: Yes
Over current: Yes
Approvals: CE

160391 Voltage Converter

The converter is supplied w/ a unique clip mounting bracket. The converter is intended for use w/ the same equipment as HC-CARGO 160388, but for systems where full isolation is required e.g. marine electrical systems and vehicles for petroche. Instruction included.

Voltage/in: 24
Voltage/out: 13.8
Amp/5 min: 10
Amp/cont.: 6
Amp/ offload: 8
Watt/out: 75

Dim.: 128x87x50 mm

Type: Switch mode/isolated
Alarm/over heating: Yes
Alarm/overvoltage: Yes
Alarm/rev. con.: Yes
Alarm/transients: Yes
Over current: Yes
Approvals: CE

O.E.M. names and numbers are used for reference purposes only.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

160392 Voltage Converter

The converter is supplied w/ a unique clip mounting bracket. The converter is intended for use w/ the same equipment as HC-CARGO 160306, but for systems where full isolation is required e.g. marine electrical systems and vehicles for petroche. Instruction included.

Voltage/in: 24
Voltage/out: 13.8
Amp/5 min: 18
Amp/cont.: 12
Amp/ offload: 8
Watt/out: 144

Dim.: 168x87x50 mm

Type: Switch mode/isolated
Alarm/over heating: Yes
Alarm/overvoltage: Yes
Alarm/rev. con.: Yes
Alarm/transients: Yes
Over current: Yes
Approvals: CE

160640 Converter

Voltage/in: 24
Voltage/out: 12
Amp/5 min: 60
Amp/cont.: 50
Amp/ offload: <50
Watt/out: 600

Dim.: 300x100x80 mm

Type: Switch mode/isolated
Over current: Yes
Approvals: CE

MULTI POWER

160579 Voltage Converter

Voltage/in: 36-90
Voltage/out: 12
Amp/cont.: 6
Watt/out: 75

Dim.: 134x94x18 mm

Protection degree: IP 68

160580 Voltage Converter

Voltage/in: 36-90
Voltage/out: 12
Amp/cont.: 15

Dim.: 134x94x48 mm

Protection degree: IP 68

RELAY BOXES

160167 Relay Box

Servicing: For 12 V trailer pulled by a 24 V vehicle

Switches the voltage from 24 V to 12 V by 5 relays. Run at 24 V and leading 12 V from one of the batteries or converter to the lamps of the trailer. For continous use it has to be connected via a converter. For internal mounting.

Voltage: 12/24
Amp: 10
Watt: 250

Dim.: 100x100x58 mm

No./poles: 7
Relay switch: Yes

160797 Relay Box

To reduce voltage drop, if you use vehicles w/ trailer. Fitted w/ 5x12 V relays the 12 V function will not be affected.

Voltage: 12-12
Amp: 5x8
Watt: 5x250

Dim.: 100x100x58 mm

No./poles: 7
Relay switch: Yes

O.E.M. names and numbers are used for reference purposes only.

VOLTAGE INVERTERS

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
160543 Voltage Inverter			
	Voltage/in: 10-15 **Voltage/out:** 230 **Alarm/Voltage:** 10.5±0.5 **Shut down/Voltage:** 10±0.5 **Amp/max/cont.:** <35 **Amp/standby:** <0.3 **Watt/cont.:** 300 **Watt/max.:** 1000	**Dim.:** 190x91x58 mm **Weight:** 1.1 kg **Regulation:** ±10 **Eficiency:** Over 90 %	**Type:** Modified sine **Over heating:** Yes **Overloading:** Yes **Short circuit:** Yes **Approvals:** CE
160545 Voltage Inverter			
	Voltage/in: 10-15 **Voltage/out:** 230 **Alarm/Voltage:** 10.5±0.5 **Shut down/Voltage:** 10±0.5 **Amp/standby:** <0.3 **Watt/cont.:** 600 **Watt/max.:** 1500	**Dim.:** 242x91x58 mm **Weight:** 1.7 kg **Regulation:** ±10	**Type:** Modified sine **Over heating:** Yes **Overloading:** Yes **Short circuit:** Yes **Approvals:** CE
160660 Voltage Inverter			
	Voltage/in: 10-15 **Voltage/out:** 230 **Alarm/Voltage:** 10.5±0.5 **Shut down/Voltage:** 10±0.5 **Amp/standby:** <0.8 **Watt/cont.:** 1000 **Watt/max.:** 2500	**Dim.:** 310x205x75 mm **Weight:** 5 kg **Regulation:** ±10	**Type:** Modified sine **Over heating:** Yes **Overloading:** Yes **Short circuit:** Yes **Approvals:** CE
161705 Voltage Inverter			
	Voltage/in: 10-15 **Voltage/out:** 230 **Alarm/Voltage:** 10.5±0.5 **Shut down/Voltage:** 10±0.5 **Amp/standby:** 1 **Watt/cont.:** 1500 **Watt/max.:** 3500	**Dim.:** 395x240x90 mm **Weight:** 5.5 kg	**Type:** Modified sine **Over heating:** Yes **Overloading:** Yes **Short circuit:** Yes **Approvals:** CE
160541 Voltage Inverter			
	Voltage/in: 12 **Voltage/out:** 230 **Alarm/Voltage:** 10.5±0.5 **Shut down/Voltage:** 10±0.5 **Amp/max/cont.:** <20 **Amp/standby:** <0.3 **Watt/cont.:** 150 **Watt/max.:** 450	**Dim.:** 165x91x58 mm **Weight:** 0.850 kg **Regulation:** ±10 **Eficiency:** Over 90 %	**Type:** Modified sine **Over heating:** Yes **Overloading:** Yes **Short circuit:** Yes **Approvals:** CE
161704 Voltage Inverter			
	Voltage/in: 12 **Voltage/out:** 230 **Alarm/Voltage:** 10.5±0.5 **Shut down/Voltage:** 10±0.5 **Amp/standby:** <1.35 **Watt/cont.:** 600 **Watt/max.:** 1500	**Dim.:** 242x91x58 mm **Weight:** 1.7 kg **Regulation:** ±10	**Type:** Modified sine **Over heating:** Yes **Overloading:** Yes **Short circuit:** Yes **Approvals:** CE
161707 Voltage Inverter			
	Voltage/in: 12 **Voltage/out:** 230 **Alarm/Voltage:** 10.5±0.5 **Shut down/Voltage:** 10±0.5 **Amp/standby:** <0.3 **Watt/cont.:** 1000 **Watt/max.:** 2500	**Dim.:** 310x205x75 mm **Weight:** 5 kg **Regulation:** ±10	**Type:** Modified sine **Over heating:** Yes **Overloading:** Yes **Short circuit:** Yes **Approvals:** CE

O.E.M. names and numbers are used for reference purposes only.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
160569 Voltage Inverter			
	Voltage/in: 12 **Voltage/out:** 230 **Alarm/Voltage:** 10.5±0.5 **Shut down/Voltage:** 10±0.5 **Amp/standby:** <2 **Watt/cont.:** 1500 **Watt/max.:** 3500	**Dim.:** 395x240x90 mm **Weight:** 5.5 kg	**Type:** Modified sine **Cooling fan:** Yes **Over heating:** Yes **Overloading:** Yes **Short circuit:** Yes **Approvals:** CE
161706 Voltage Inverter			
	Voltage/in: 20-30 **Voltage/out:** 230 **Alarm/Voltage:** 21±1 **Shut down/Voltage:** 20±1 **Amp/standby:** <1 **Watt/cont.:** 1500 **Watt/max.:** 3500	**Dim.:** 395x240x90 mm **Weight:** 5.5 kg	**Type:** Modified sine **Over heating:** Yes **Overloading:** Yes **Short circuit:** Yes **Approvals:** CE
160542 Voltage Inverter			
	Voltage/in: 24 **Voltage/out:** 230 **Alarm/Voltage:** 21±1 **Shut down/Voltage:** 20±1 **Amp/max/cont.:** <10 **Amp/standby:** <0.3 **Watt/cont.:** 150 **Watt/max.:** 450	**Dim.:** 165x91x58 mm **Weight:** 0.850 kg **Regulation:** ±10 **Eficiency:** Over 90 %	**Type:** Modified sine **Over heating:** Yes **Overloading:** Yes **Short circuit:** Yes **Approvals:** CE
160544 Voltage Inverter			
	Voltage/in: 24 **Voltage/out:** 230 **Alarm/Voltage:** 21±1 **Shut down/Voltage:** 20±1 **Amp/max/cont.:** <20 **Amp/standby:** <0.3 **Watt/cont.:** 300 **Watt/max.:** 1000	**Dim.:** 190x91x58 mm **Weight:** 1.1 kg **Regulation:** ±10	**Type:** Modified sine **Over heating:** Yes **Overloading:** Yes **Short circuit:** Yes **Approvals:** CE
160546 Voltage Inverter			
	Voltage/in: 24 **Voltage/out:** 230 **Alarm/Voltage:** 21±1 **Shut down/Voltage:** 20±1 **Amp/standby:** <0.3 **Watt/cont.:** 600 **Watt/max.:** 1500	**Dim.:** 242x91x58 mm **Weight:** 1.7 kg **Regulation:** ±10	**Type:** Modified sine **Over heating:** Yes **Overloading:** Yes **Short circuit:** Yes **Approvals:** CE
160676 Voltage Inverter			
	Voltage/in: 24 **Voltage/out:** 230 **Alarm/Voltage:** 21±1 **Shut down/Voltage:** 20±1 **Amp/standby:** <0.8 **Watt/cont.:** 1000 **Watt/max.:** 2500	**Dim.:** 310x205x75 mm **Weight:** 5 kg **Regulation:** ±10	**Type:** Modified sine **Over heating:** Yes **Overloading:** Yes **Short circuit:** Yes **Approvals:** CE
161710 Voltage Inverter			
	Voltage/in: 24 **Voltage/out:** 230 **Alarm/Voltage:** 21±1 **Shut down/Voltage:** 20±1 **Amp/standby:** <0.8 **Watt/cont.:** 1000 **Watt/max.:** 2500	**Dim.:** 310x205x75 mm **Weight:** 5 kg **Regulation:** ±10	**Type:** Modified sine **Over heating:** Yes **Overloading:** Yes **Short circuit:** Yes **Approvals:** CE

O.E.M. names and numbers are used for reference purposes only.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
160581 Voltage Inverter			
	Voltage/in: 24 **Voltage/out:** 230 **Alarm/Voltage:** 21±1 **Shut down/Voltage:** 20±1 **Amp/standby:** <1 **Watt/cont.:** 1500 **Watt/max.:** 3500	**Dim.:** 395x240x90 mm **Weight:** 5.5 kg	**Type:** Modified sine **Over heating:** Yes **Overloading:** Yes **Short circuit:** Yes **Approvals:** CE
160991 Voltage Inverter AC-DC	**Servicing:** HC-CARGO 804114		
	Voltage/in: 230 **Voltage/out:** 12V DC **Amp/max/cont.:** 25	**Dim.:** 226.5x115x49.7 mm	**Type:** AC-DC **Over heating:** Yes **Overloading:** Yes **Short circuit:** Yes **Approvals:** CE

VOLTAGE REDUCER

160627 Voltage Reducer			
Set w/ 2 resistors. Reduces the voltage w/ 0.75 V. Secures the lifetime of the headlight bulbs in cars w/ high voltage. 12/24 V.			

LOAD RESISTORS

160970 Load Resistor 12 V			
Contains: 2 pcs.			
	Voltage: 12 **Amp:** 2 **Watt:** 50 **Ohm:** 6	**Length:** 50 mm **Width:** 15 mm	
160971 Load Resistor 24 V			
Contains: 2 pcs.			
	Voltage: 24 **Amp:** 1 **Watt:** 50 **Ohm:** 24	**Length:** 50 mm **Width:** 15 mm	

CHARGERS

160874 Charger			
	Voltage: 23/24 **Amp:** 12	**Weight:** 1.660 kg **Working temp.:** -30°C-+55°C °C	**Warning lamp:** w/ **Auto stop:** Yes **Protection degree:** IP 67 **Approvals:** CE

O.E.M. names and numbers are used for reference purposes only.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
160875 Charger			
	Voltage: 230/12 **Amp:** 17	**Weight:** 1.660 kg **Working temp.:** -30°C-+55°C °C	**Warning lamp:** w/ **Auto stop:** Yes **Protection degree:** IP 67 **Approvals:** CE
160968 Charger			
Charger cable: HC-CARGO 160990.			
	Voltage: 230/12 **Amp:** 3 **Hertz:** 50	**Weight:** 0.85 kg **Working temp.:** -20°C-+50°C °C	**Warning lamp:** w/ **Protection degree:** IP 65 **Approvals:** CE
161026 Charger			
Charger cable: HC-CARGO 160990.			
	Voltage: 230/12 **Amp:** 5 **Hertz:** 50	**Dim.:** 170x73x48 mm **Working temp.:** -20°C-+50°C °C	**Warning lamp:** w/ **Protection degree:** IP 65 **Approvals:** CE
161701* UK Charger			
Charger cable: HC-CARGO 160990.			
NEW PRODUCT www.hc-cargo.com	**Voltage:** 230/12 **Amp:** 5 **Hertz:** 50	**Working temp.:** -20°C±50°C °C	**Warning lamp:** w/ **Protection degree:** IP 65 **Approvals:** CE

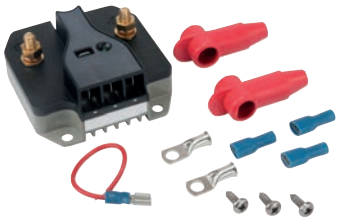
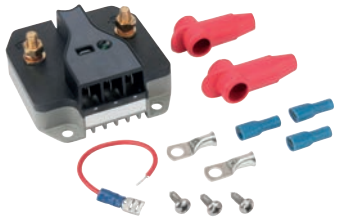
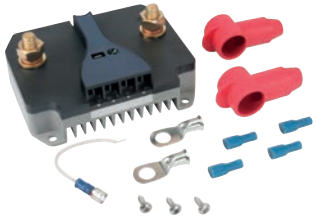
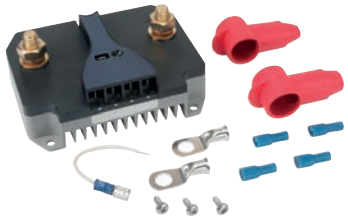
ACCESSORIES

160990 Charger cable	**Servicing:** HC-CARGO 161026		
	Voltage: 300	**Rolls size:** 0.3 m **Temp. area:** 60 °C	**Lead type:** Dual **Cap colour:** Black **Cap material:** PVC

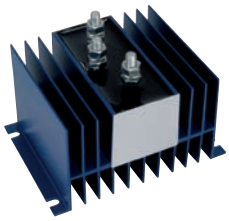
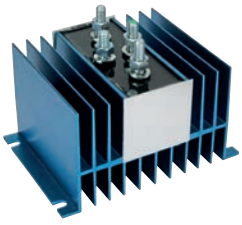
POWER GUARD

161014 Power Guard			
	Voltage/in: 9-32 **Alarm/Voltage:** Yes **Shut down/Voltage:** Yes **Shut down/12 V:** 11.5 V **Shut down/24 V:** 23 V **Amp/max/cont.:** 10	**Dim.:** 155x30x15 mm **Weight:** 0.045 kg **Regulation:** Yes	**Connection:** Connection **Over heating:** Yes **Overloading:** Yes **Short circuit:** Yes

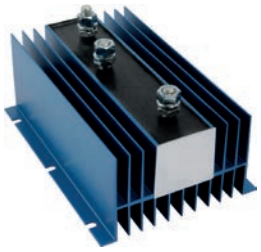
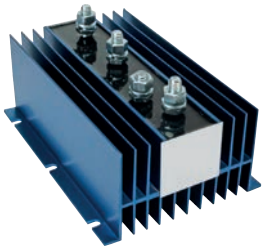
O.E.M. names and numbers are used for reference purposes only.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
161015 Power Guard			
	Voltage/in: 9-32 **Alarm/Voltage:** Yes **Shut down/Voltage:** Yes **Shut down/12 V:** 11.5 V **Shut down/24 V:** 23 V **Amp/max/cont.:** 20	**Dim.:** 155x30x15 mm **Weight:** 0.045 kg **Regulation:** Yes	**Connection:** Connection **Over heating:** Yes **Overloading:** Yes **Short circuit:** Yes
161016 Power Guard			
	**Voltage/in:** 9-32 **Alarm/Voltage:** Yes **Shut down/Voltage:** Yes **Shut down/12 V:** 11.5 V **Shut down/24 V:** 23 V **Amp/max/cont.:** 40	**Dim.:** 76x78x33 mm **Weight:** 0.155 kg **Regulation:** Yes	**Connection:** M6 **Over heating:** Yes **Overloading:** Yes **Short circuit:** Yes
161017 Power Guard			
	**Voltage/in:** 9-32 **Alarm/Voltage:** Yes **Shut down/Voltage:** Yes **Shut down/12 V:** 11.5 V **Shut down/24 V:** 23 V **Amp/max/cont.:** 60	**Dim.:** 76x78x33 mm **Weight:** 0.155 kg **Regulation:** Yes	**Connection:** M6 **Over heating:** Yes **Overloading:** Yes **Short circuit:** Yes
161018 Power Guard			
	**Voltage/in:** 9-32 **Alarm/Voltage:** Yes **Shut down/Voltage:** Yes **Shut down/12 V:** 11.5 V **Shut down/24 V:** 23 V **Amp/max/cont.:** 100	**Dim.:** 124x97x51 mm **Weight:** 0.530 kg **Regulation:** Yes	**Connection:** M10 **Over heating:** Yes **Overloading:** Yes **Short circuit:** Yes
161019 Power Guard			
	**Voltage/in:** 9-32 **Alarm/Voltage:** Yes **Shut down/Voltage:** Yes **Shut down/12 V:** 11.5 V **Shut down/24 V:** 23 V **Amp/max/cont.:** 200	**Dim.:** 124x97x51 mm **Weight:** 0.530 kg **Regulation:** Yes	**Connection:** M10 **Over heating:** Yes **Overloading:** Yes **Short circuit:** Yes

BATTERY ISOLATORS

160342 Battery Isolator	**Servicing:** Boats, autocampers, industrial vehicles		
Eliminates the multi battery drain when 2 or more batteries are in a charging system.			
	**Voltage:** 6-36 **Current/max Amp:** 70	**Dim.:** 85x115x95 mm	**No./batteries:** 2 **Comp. diode:** No
160343 Battery Isolator	**Servicing:** Boats, autocampers, industrial vehicles		
Eliminates the multi battery drain when 2 or more batteries are in a charging system. w/ compensationsdiode which allows a higher charging current.			
	**Voltage:** 6-36 **Current/max Amp:** 70	**Dim.:** 85x115x95 mm	**No./batteries:** 2 **Comp. diode:** Yes

O.E.M. names and numbers are used for reference purposes only.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
160398 Battery Isolator	**Servicing:** Boats, autocampers, industrial vehicles		
Eliminates the multi battery drain when 2 or more batteries are in a charging system.			
	**Voltage:** 6-36 **Current/max Amp:** 120	**Dim.:** 170x115x95 mm	**No./batteries:** 2 **Comp. diode:** No
160399 Battery Isolator	**Servicing:** Boats, autocampers, industrial vehicles		
Eliminates the multi battery drain when 2 or more batteries are in a charging system. w/ compensationsdiode which allows a higher charging current.			
	**Voltage:** 6-36 **Current/max Amp:** 120	**Dim.:** 170x115x95 mm	**No./batteries:** 2 **Comp. diode:** Yes
160740 Battery Isolator 12V	**Servicing:** Boats, autocampers, industrial vehicles		
Microprocessor controlled relay. Allows charging on the auxiliary battery at 13.4 V charging voltage.			
	Voltage: 12 **Current/max Amp:** 180	**Dim.:** 120x80x55 mm	**No./batteries:** 2 **Comp. diode:** No
160742 Split Charge Relay	**Servicing:** Boats, autocampers, industrial vehicles		
Microprocessor controlled relay. Allows charging on the auxiliary battery at 27 V charging voltage.			
	Voltage: 24 **Current/max Amp:** 100	**Dim.:** 120x80x70 mm	**No./batteries:** 2 **Comp. diode:** No
160876 Split Charge Relay			
13.4 V-12.6 V.			
	Voltage: 12 **Current/max Amp:** 70	**Dim.:** 60x34x70 mm	**No./batteries:** 2 **Comp. diode:** No
160877 Split Charge Relay			
	Voltage: 24 **Current/max Amp:** 50	**Dim.:** 60x34x70 mm	**No./batteries:** 2 **Comp. diode:** No

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SWITCHES

BATTERY SWITCHES

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
180028 Battery Main Switch *Spare key: HC-CARGO 180143, 180619, 181270. Pole: dia. 10 mm.*	**Voltage:** 24 **Amp/5 sec.:** 500 **Amp/cont.:** 100	**Dist. mount. holes:** 38 mm	**Type:** Battery **Material:** Plastic **No./mounting holes:** 2 **Key:** w/ **Protection degree:** IP 65
180087 Battery Main Switch *Spare key: HC-CARGO 180202.*	**Voltage:** 24 **Amp/5 sec.:** 2500 **Amp/cont.:** 250	**Dist. mount. holes:** 100 mm	**Type:** Battery **Material:** Metal **No./mounting holes:** 2 **Key:** w/ **Protection degree:** IP 66
180203 Battery Main Switch *Spare key: HC-CARGO 180029, 180619.*	**Voltage:** 24 **Amp/5 sec.:** 2500 **Amp/cont.:** 250	**Dist. mount. holes:** 100 mm	**Type:** Battery **Material:** Plastic **No./mounting holes:** 2 **No./poles:** 2 **Key:** w/ **Protection degree:** IP 66
180211 Battery Main Switch *Spare key: HC-CARGO 180288 or 180333. Rubber boot: HC-CARGO 180375.*	**Voltage:** 24 **Amp/5 sec.:** 2500 **Amp/cont.:** 250	**Dist. mount. holes:** 100 mm	**Type:** Battery **Material:** Metal **No./mounting holes:** 2 **Key:** w/ **Protection degree:** IP 65
180216 Battery Main Switch *Spare key: HC-CARGO 180143, 180619, 181270. Rubber protection cap: HC-CARGO 180374.*	**Voltage:** 24 **Amp/5 sec.:** 500 **Amp/cont.:** 100	**Dist. mount. holes:** 39.5 mm	**Type:** Battery **Material:** Plastic **No./mounting holes:** 2 **No./poles:** M8 **Key:** w/ **Protection degree:** IP 40
180229 Battery Main Switch *Spare key: HC-CARGO 180029, 180619, 181270. On/Off under load.*	**Voltage:** 24 **Amp/5 sec.:** 2500 **Amp/cont.:** 250	**Dist. mount. holes:** 100 mm	**Type:** Battery **Material:** Plastic **No./mounting holes:** 2 **Key:** w/ **Protection degree:** IP 66

O.E.M. names and numbers are used for reference purposes only.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
180289 Battery Main Switch			
Rubber boot: HC-CARGO 180375.			
	Voltage: 24 **Amp/5 sec.:** 2500 **Amp/cont.:** 250	**Dist. mount. holes:** M30 mm	**Type:** Battery **Material:** Metal **No./mounting holes:** 2 **Key:** w/ **Protection degree:** IP 65
180313 Battery Main Switch			
Spare key: HC-CARGO 180143, 181270. Rubber protection cap: HC-CARGO 180374.			
	Voltage: 24 **Amp/5 sec.:** 500 **Amp/cont.:** 100	**Dist. mount. holes:** 45 mm	**Type:** Battery **No./mounting holes:** 2 **Key:** w/o **Protection degree:** IP 40
180326 Battery Main Switch			
Rubber boot: HC-CARGO 180375. w/ rotation/press handle.			
	Voltage: 24 **Amp/5 sec.:** 2500 **Amp/cont.:** 250	**Dist. mount. holes:** 100 mm	**Type:** Battery **No./mounting holes:** 2 **Protection degree:** IP 65
180596 Battery Main Switch			
Spare key: HC-CARGO 180029, 180619.			
	Voltage: 24 **Amp/5 sec.:** 500 **Amp/cont.:** 100	**Dist. mount. holes:** 38 mm	**Type:** Battery **Material:** Plastic **No./mounting holes:** 2 **Key:** w/ **Resistor:** 3 Ohm, 11 W **Sec. circuit:** w/ **Protection degree:** IP 43
180614 Battery Main Switch			
Spare key: HC-CARGO 181578.			
	Voltage: 24 **Amp/5 sec.:** 1000 **Amp/cont.:** 75	**Dist. mount. holes:** 38 mm	**Type:** Battery **Material:** Metal **No./mounting holes:** 2 **Key:** w/ **Protection degree:** IP 41
181475 Battery Main Switch			
Spare key: HC-CARGO 180288, w/o chain and rubber cap. Rubber boot: HC-CARGO 180375.			
	Voltage: 24 **Amp/5 sec.:** 2500 **Amp/cont.:** 250	**Dist. mount. holes:** 100 mm	**Material:** Metal **No./mounting holes:** 2 **Key:** w/ **Protection degree:** IP 65
181613 Battery Main Switch			
	Voltage: 12-50 **Amp/5 sec.:** 1000 **Amp/cont.:** 200	**Dist. mount. holes:** 104 mm	**Type:** Battery **Material:** PBT **No./mounting holes:** 3 **No./poles:** 3 **Key:** w/o **Protection degree:** IP 54 **Approval:** CE

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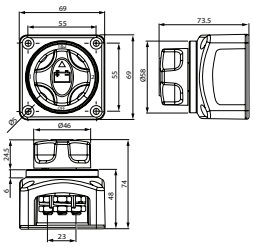
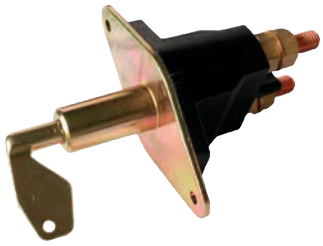
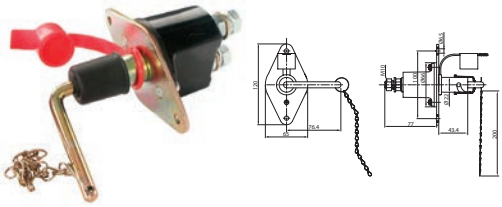
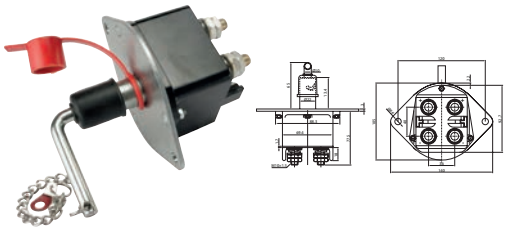
	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
181614 Battery Main Switch			
	**Voltage:** 12-50 **Amp/5 sec.:** 1000 **Amp/cont.:** 200	**Dist. mount. holes:** 55 mm	**Type:** Battery **Material:** PBT **No./mounting holes:** 4 **No./poles:** 2 **Key:** w/ **Protection degree:** IP 54 **Approval:** CE

WATERPROOF

180271 Battery Main Switch			
Rubber boot: HC-CARGO 180375. Working temp. -30°C/+65°C.			
	Voltage: 12/24 **Amp/5 sec.:** 1000 **Amp/cont.:** 300	**Dist. mount. holes:** 45 mm	**Type:** Battery **Material:** Plastic **Explosion proof 1:** Yes **No./mounting holes:** 2 **No./poles:** M10 **Key:** w/ **Waterproof:** Yes **Protection degree:** IP 65 **Approval:** SAE J1171
180272 Battery Main Switch	**Servicing:** Marine		
Spare key: HC-CARGO 180333. Rubber boot: HC-CARGO 180375.			
	Voltage: 24 **Amp/5 sec.:** 1000 **Amp/cont.:** 150	**Dist. mount. holes:** 45 mm	**Type:** Battery **Material:** Metal **Explosion proof 1:** Yes **No./mounting holes:** 2 **Key:** w/ **Waterproof:** Yes **Protection degree:** IP 68
180274 Battery Main Switch			
Rubber boot: HC-CARGO 180375 . For alternator w/ separate regulator.			
	Voltage: 24 **Amp/5 sec.:** 2500 **Amp/cont.:** 250	**Dist. mount. holes:** 65 mm	**Type:** Battery **Material:** Metal **Explosion proof 1:** Yes **No./mounting holes:** 2 **Key:** w/ **Waterproof:** Yes **Protection degree:** IP 67
180275 Battery Main Switch			
Rubber boot: HC-CARGO 180375. For alternator w/ intergral regulator. w/ D+ contact.			
	Voltage: 24 **Amp/5 sec.:** 2500 **Amp/cont.:** 250	**Dist. mount. holes:** 65 mm	**Type:** Battery **Material:** Metal **Explosion proof 1:** Yes **No./mounting holes:** 2 **Key:** w/ **Waterproof:** Yes **Protection degree:** IP 67
180276 Battery Main Switch			
Rubber boot: HC-CARGO 180375. For alternator w/ intergral regulator. w/ D+ contact.			
	Voltage: 24 **Amp/5 sec.:** 2500 **Amp/cont.:** 250	**Dist. mount. holes:** 110 mm	**Type:** Battery **Material:** Metal **Explosion proof 1:** Yes **Explosion proof 2:** Yes **No./mounting holes:** 2 **No./poles:** 2 **Key:** w/ **Waterproof:** Yes **Protection degree:** IP 67 **Approval:** ADR

O.E.M. names and numbers are used for reference purposes only.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
180277 Battery Main Switch *Rubber boot: HC-CARGO 180375 . For alternator w/ separate regulator.*			
	Voltage: 24 **Amp/5 sec.:** 2500 **Amp/cont.:** 250	**Dist. mount. holes:** 110 mm	**Type:** Battery **Material:** Metal **Explosion proof 1:** Yes **Explosion proof 2:** Yes **No./mounting holes:** 2 **No./poles:** 2 **Key:** w/ **Waterproof:** Yes **Protection degree:** IP 67
180278 Battery Main Switch *Spare key: HC-CARGO 181477. Rubber boot: HC-CARGO 180375.*			
	**Voltage:** 24 **Amp/5 sec.:** 3000 **Amp/cont.:** 300	**Dist. mount. holes:** 100 mm	**Type:** Battery **Material:** Metal **Explosion proof 1:** Yes **No./mounting holes:** 2 **Key:** w/ **Waterproof:** Yes **Protection degree:** IP 68
180338 Battery Main Switch *For alternator w/ separate regulator. w/ secondary circuit 24 V. Rubber boot: HC-CARGO 180375.*			
	Voltage: 24 **Amp/5 sec.:** 2500 **Amp/cont.:** 20	**Dist. mount. holes:** 65 mm	**Type:** Battery **Material:** Plastic **Explosion proof 1:** Yes **No./mounting holes:** 2 **Key:** w/ **Sec. circuit:** w/ **Waterproof:** Yes **Protection degree:** IP 67
181238 Battery Main Switch *Spare key: HC-CARGO 180333. Rubber boot: HC-CARGO 180375.*			
	**Voltage:** 24 **Amp/5 sec.:** 2500 **Amp/cont.:** 250	**Dist. mount. holes:** 100 mm	**Type:** Battery **Material:** Metal **No./mounting holes:** 2 **Key:** w/ **Waterproof:** Yes **Protection degree:** IP 66
181599 Battery Main Switch *Rubber boot: HC-CARGO 180375.*			
	**Voltage:** 12-24 **Amp/5 sec.:** 2500 **Amp/cont.:** 250	**Dist. mount. holes:** 120 mm	**Type:** Battery **Material:** Metal **No./mounting holes:** 2 **No./poles:** 4 **Key:** w/ **Waterproof:** Yes **Protection degree:** IP 66

REMOTE CONTROL

180280 Pneumatic Remote Control	**Servicing:** HC-CARGO 180279, 180291		

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	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

RUBBER BOOTS

180374 Terminal Boot — **Servicing:** HC-CARGO 180216, 180313

Material: Rubber

180375 Terminal Boot set — **Servicing:** HC-CARGO 180211, 180271, 180272, 180274, 180275, 180276, 180277, 180278, 180289, 180326, 180338, 180238

Supplied in kit of 2 pcs.

Material: Rubber

SPARE KEYS

180029 Key — **Servicing:** HC-CARGO 180028, 180203, 180216, 180229, 180313, 180596

Shaft length: 11 mm

No./pins: 2

180143 Key — **Servicing:** HC-CARGO 180028, 180216, 180313

Shaft length: 9 mm

180202 Key — **Servicing:** HC-CARGO 180087

180273 Key — **Servicing:** HC-CARGO 180272

180288 Key — **Servicing:** HC-CARGO 180211, 180288

No./pins: 2

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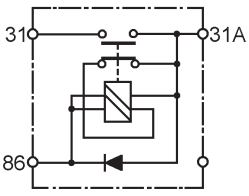
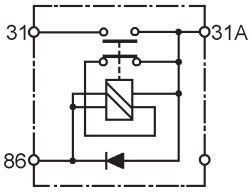
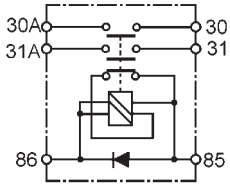
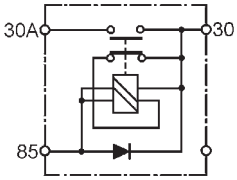
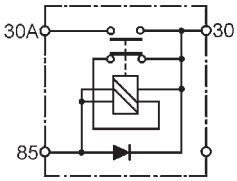
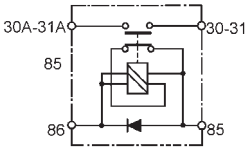
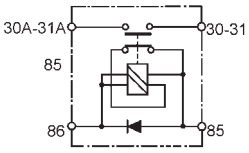
	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
180333 Key	**Servicing:** HC-CARGO 180211, 181238		
			No./pins: 1
180619 Key	**Servicing:** HC-CARGO 180028, 180203, 180216, 180229, 180596		
		Shaft length: 11 mm	**No./pins:** 1
181270 Key	**Servicing:** HC-CARGO 180028, 180216, 180229, 180313		
		Shaft length: 11 mm	**No./pins:** 1
181477 Key	**Servicing:** HC-CARGO 180278		
181578 Key	**Servicing:** HC-CARGO 180614		
For battery main switch.			
181603 Key	**Servicing:** HC-CARGO 181599		
For battery main switch.			

ELECTROMAGNETIC

180232 Battery Switch	**Servicing:** Industrial vehicles, buses, tractors, lift trucks and boats		
	**Voltage:** 12 **Amp/5 sec.:** 2500 **Amp/cont.:** 250		**Type:** Electromagnetic **Switch:** Negative

O.E.M. names and numbers are used for reference purposes only.

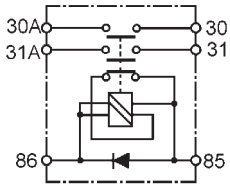
	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
180233 Battery Switch			
	**Voltage:** 24 **Amp/5 sec.:** 2500 **Amp/cont.:** 250		**Type:** Electromagnetic **Switch:** Negative
180290 Battery Switch Relay			
For serial and parallel connction of two 12 V batteries in 12 V systems w/ 24 V starter.			
	Voltage: 12/24 **Amp/5 sec.:** 1500 (1 sec) **Amp/cont.:** 75		
180556 Battery Switch			
	**Voltage:** 24 **Amp/5 sec.:** 2500 **Amp/cont.:** 250		**Type:** Electromagnetic **Switch:** Positive/Negative
180602 Battery Switch			
	**Voltage:** 12 **Amp/5 sec.:** 2500 **Amp/cont.:** 250		**Type:** Electromagnetic **Switch:** Positive
180603 Battery Switch			
	**Voltage:** 24 **Amp/5 sec.:** 2500 **Amp/cont.:** 200		**Type:** Electromagnetic **Switch:** Positive
180604 Battery Switch			
w/ seperate power supply.			
	**Voltage:** 12 **Amp/5 sec.:** 2500 **Amp/cont.:** 250		**Type:** Electromagnetic **Switch:** Positive/Negative
180605 Battery Switch			
w/ seperate power supply.			
	**Voltage:** 24 **Amp/5 sec.:** 2500 **Amp/cont.:** 200		**Type:** Electromagnetic **Switch:** Positive/Negative

O.E.M. names and numbers are used for reference purposes only.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

181476 Battery Switch

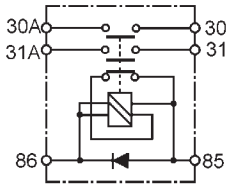
Plug: HC-CARGO 181545.



Voltage: 24
Amp/5 sec.: 2500
Amp/cont.: 250

Type: Electromagnetic
Explosion proof 1: Yes
Explosion proof 2: Yes
Switch: Positive/Negative
No./mounting holes: 4
No./poles: 4
Approval: Ex

181562 Battery Switch



Voltage: 12
Amp/5 sec.: 2500
Amp/cont.: 250

Switch: Positive/Negative
Comp. diode: Yes

IGNITION/LIGHT

180045 Ignition/Light Switch

Spare key: HC-CARGO 180341.

Mount. hole size: 26.5 mm

Switch combination: Parkinglight-off-ignition-sidelight-DRL
No./keys: 2
Terminals: 6

180324 Ignition/Light Switch

Spare key: HC-CARGO 180341.

Mount. hole size: 26.5 mm

Switch combination: Parkinglight-off-ignition-sidelight-DRL
No./keys: 2
Terminals: 7

IGNITION STARTER

180027 Ignition Starter Switch

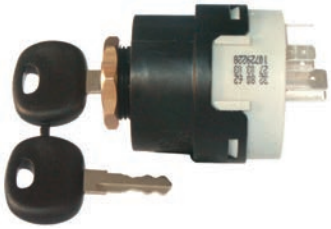
Spare key: HC-CARGO 180339. Multiplug: HC-CARGO 181597.

Mount. hole size: 18.5 mm

Switch combination: Off-ignition-start
No./keys: 2
Terminals: 5

180041 Ignition Starter Switch

Spare key: HC-CARGO 180340.



Mount. hole size: 26.5 mm

Switch combination: Parking light-off-start
No./keys: 2
Terminals: 7
Protection degree: IP 63
DIN norm: 40050

O.E.M. names and numbers are used for reference purposes only.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
180043 Ignition Starter Switch *Spare key: HC-CARGO 180339.*			
		Mount. hole size: 18.5 mm	**Switch combination:** Off-aux-ignition-start **No./keys:** 2 **Terminals:** 4
181518 Ignition Starter Switch *Spare key: HC-CARGO 180339.*			
		Mount. hole size: 22.5 mm	**Switch combination:** Off-ignition-start **No./keys:** 2 **Terminals:** 5 **Positions:** 1 (start)

DIESEL STARTER

180044 Ignition Switch	**Servicing:** Deutz, IH		
Supplied w/ 2 keys. Spare key: HC-CARGO 180340. Multiplug: HC-CARGO 181595, 181596.			
		Mount. hole size: 26.5 mm	**Switch combination:** Parking light-off-ignition-glow-start **Terminals:** 10 **Positions:** 5 **Protection degree:** IP 63 **DIN norm:** 40050
181235 Ignition Switch	**Servicing:** Massey Ferguson		
Spare key: HC-CARGO 181465.			
		Mount. hole size: 16 mm	**Switch combination:** Off-ignition-glow-start **No./keys:** 2 **Terminals:** 6 **Positions:** 4
181236 Ignition Switch	**Servicing:** Massey Ferguson		
Spare key: HC-CARGO 181465.			
		Mount. hole size: 16 mm	**Switch combination:** Start-Off-Glow-Start **No./keys:** 2 **Terminals:** 4 **Positions:** 4
181237 Ignition Switch	**Servicing:** Massey Ferguson		
Spare key: HC-CARGO 181465.			
		Mount. hole size: 16 mm	**Switch combination:** Off-aux-ignition-glow-start **No./keys:** 2 **Terminals:** 7 **Positions:** 5

O.E.M. names and numbers are used for reference purposes only.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

RUBBER BOOTS

181598 Rubber Boot — **Servicing:** HC-CARGO 180044

SPARE PARTS

180339 Spare Key — **Servicing:** HC-CARGO 180025, 180027, 180043, 181518

180340 Spare Key — **Servicing:** HC-CARGO 180041, 180044

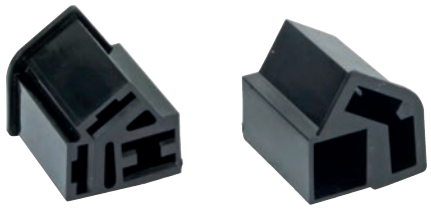
180341 Spare Key — **Servicing:** HC-CARGO 180045, 180324

181465 Spare Key — **Servicing:** HC-CARGO 181235, 181236, 181237

Material: Metal

181595 Central Plug Connector — **Servicing:** HC-CARGO 180044

DIN 46340. Used w/ HC-CARGO 181596.



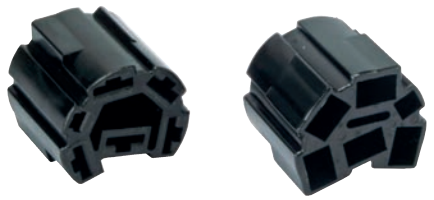
Type: Socket
Type/terminal: 9.5x1.2
Colour: Black
No./poles: 4
Plug: Female

181596 Central Plug Connector — **Servicing:** HC-CARGO 180044

DIN 46340. Used w/ HC-CARGO 181595.

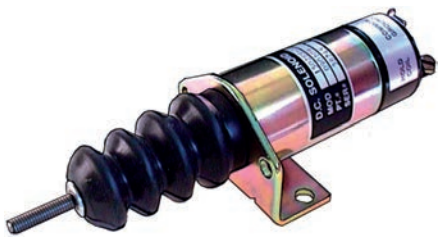
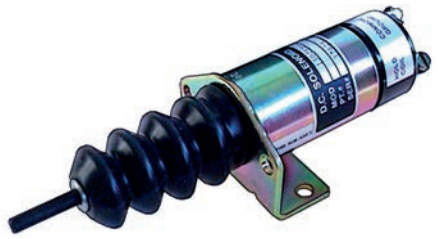
Type: Socket
Type/terminal: 6.3x0.8
Colour: Black
No./poles: 6
Plug: Female

O.E.M. names and numbers are used for reference purposes only.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
181597 Central Plug Connector	**Servicing:** HC-CARGO 180027		
			**Type:** Socket **Colour:** Black **No./poles:** 6 **Plug:** Female

SOLENOID SHUTDOWN

EXTERNALLY SWITCHED

090109 Shutdown Solenoid			
This solenoid can´t switch off by itself, it will have to be controlled externally.			
	**Voltage:** 12 **Amp/hold:** 0.7 **Amp/pull:** 30	**Thread size:** 6 **Thread type:** mm **Pull rating:** 40N at 25.40 mm **Return spring:** 9N **Hold rating:** 89N	**Plunger:** External **Elect. connection:** Plug **Function:** Pull **Mount. type:** Flange/bracket **Switch:** External
090110 Shutdown Solenoid			
This solenoid can´t switch off by itself, it will have to be controlled externally.			
	**Voltage:** 24 **Amp/hold:** 0.25 **Amp/pull:** 17	**Thread size:** 6 **Thread type:** mm **Pull rating:** 40N at 25.40 mm **Return spring:** 9N **Hold rating:** 89N	**Plunger:** External **Elect. connection:** Plug **Function:** Pull **Mount. type:** Flange/bracket **Switch:** External
090111 Shutdown Solenoid			
This solenoid can´t switch off by itself, it will have to be controlled externally.			
	Voltage: 12 **Amp/hold:** 0.6 **Amp/pull:** 44	**Thread size:** 1/4" **Thread type:** Inches **Pull rating:** 75N at 25.40 mm **Return spring:** 35N **Hold rating:** 178N	**Plunger:** External **Elect. connection:** Plug **Function:** Pull **Mount. type:** Flange/bracket **Switch:** External
090113 Shutdown Solenoid			
This solenoid can´t switch off by itself, it will have to be controlled externally.			
	Voltage: 24 **Amp/hold:** 0.3 **Amp/pull:** 23	**Thread size:** 6 **Thread type:** mm **Pull rating:** 75N at 25.40 mm **Return spring:** 35N **Hold rating:** 178N	**Plunger:** External **Elect. connection:** Plug **Function:** Pull **Mount. type:** Flange/bracket **Switch:** External
090199 Shutdown Solenoid			
This solenoid can´t switch off by itself, it will have to be controlled externally.			
	Voltage: 12 **Amp/hold:** 1.1 **Amp/pull:** 46	**Thread size:** 6 **Thread type:** mm **Pull rating:** 89N at 25.40 mm **Return spring:** 17N **Hold rating:** 178N	**Plunger:** External **Elect. connection:** Cable **Function:** Pull/Push **Mount. type:** Flat w/ 2 fixing holes **Switch:** External

O.E.M. names and numbers are used for reference purposes only.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
090200 Shutdown Solenoid			
This solenoid can´t switch off by itself, it will have to be controlled externally.			
	Voltage: 24 **Amp/hold:** 4 **Amp/pull:** 18	**Thread size:** 6 **Thread type:** mm **Pull rating:** 67N at 25.40 mm **Return spring:** 17N **Hold rating:** 178N	**Plunger:** External **Elect. connection:** Cable **Function:** Pull/Push **Switch:** External
090206 Shutdown Solenoid	**Servicing:** Yanmar Diesel		
This solenoid can´t switch off by itself, it will have to be controlled externally.			
	Voltage: 12 **Amp/hold:** 0.49 **Amp/pull:** 36.5	**Thread size:** 0.158 **Thread type:** Inches	**Plunger:** Internal **Switch:** External
090216 Shutdown Solenoid	**Servicing:** Kubota		
This solenoid can´t switch off by itself, it will have to be controlled externally.			
	Voltage: 12 **Amp/hold:** 0.7 **Amp/pull:** 30	**Pull rating:** 44N at 25.40 mm **Return spring:** 17N **Hold rating:** 85N	**Plunger:** External **Elect. connection:** Multiplug **Mount. type:** Flange **Switch:** External
090225 Shutdown Solenoid	**Servicing:** Perkins		
This solenoid can´t switch off by itself, it will have to be controlled externally.			
	Voltage: 12 **Amp/hold:** 0.49 **Amp/pull:** 36.5	**Thread size:** 0.25 **Thread type:** Inches	**Plunger:** Internal **Switch:** External
090226 Shutdown Solenoid			
This solenoid can´t switch off by itself, it will have to be controlled externally.			
	Voltage: 24 **Voltage 2:** 24 **Amp/hold:** 0.5 **Amp/pull:** 25	**Thread size:** 6 **Thread type:** mm **Pull rating:** 111N at 25.40 mm **Return spring:** 7N **Hold rating:** 182N	**Plunger:** External **Elect. connection:** Multiplug **Function:** Pull **Switch:** External
090228 Shutdown Solenoid	**Servicing:** Yanmar Motors		
This solenoid can´t switch off by itself, it will have to be controlled externally.			
	Voltage: 12 **Amp/hold:** 0.49 **Amp/pull:** 36.5	**Thread size:** 0.158 **Thread type:** Inches	**Plunger:** Internal **Switch:** External
090267 Shutdown Solenoid	**Servicing:** Volvo wheel loader		
Syncro start/Woodward.			
	Voltage: 24 **Amp/hold:** 0.86 **Amp/pull:** 39	**Pull rating:** 129N at 25.4 mm **Hold rating:** 182N	**Plunger:** Cable **Elect. connection:** Multiplug **Function:** Pull **Switch:** External

O.E.M. names and numbers are used for reference purposes only.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
090348 Shutdown Solenoid			
This solenoid can´t switch off by itself, it will have to be controlled externally.			
	Voltage: 12 **Amp/hold:** 1.1 **Amp/pull:** 46	**Thread size:** 6 **Thread type:** mm **Pull rating:** 111N at 25.40 mm **Return spring:** 4-8N **Hold rating:** 182N	**Plunger:** External **Elect. connection:** Cable **Function:** Pull **Mount. type:** Flat w/ 2 fixing holes **Switch:** External
090370 Shutdown Solenoid	**Servicing:** Kubota D722, Z482		
This solenoid can´t switch off by itself, it will have to be controlled externally.			
	Voltage: 12 **Amp/hold:** 1.1 **Amp/pull:** 46	**Thread size:** 1/4 - 28 UNF-2A **Pull rating:** 111N **Hold rating:** 182N	**Plunger:** External **Elect. connection:** Cable **Mount. type:** Flat w/ 2 fixing holes **Switch:** External
090371 Shutdown Solenoid	**Servicing:** Kubota D722, Z482		
This solenoid can´t switch off by itself, it will have to be controlled externally.			
	Voltage: 24 **Amp/hold:** 0.5 **Amp/pull:** 25	**Thread size:** 1/4 - 28 UNF-2A **Pull rating:** 111N **Hold rating:** 182N	**Plunger:** External **Elect. connection:** Cable **Switch:** External
090373 Shutdown Solenoid			
This solenoid can´t switch off by itself, it will have to be controlled externally.			
	Voltage: 12 **Amp/hold:** 0.972 **Amp/pull:** 365	**Thread size:** 0.154 **Thread type:** Inches	**Plunger:** External **Switch:** External
090431 Shutdown Solenoid			
This solenoid can´t switch off by itself, it will have to be controlled externally.			
	Voltage: 24 **Voltage 2:** 24 **Amp/hold:** 0.57 **Amp/pull:** 30	**Thread size:** 5/16" **Thread type:** Inches **Pull rating:** 165N **Return spring:** 80-115N **Hold rating:** 391N	**Plunger:** External **Function:** Pull **Mount. type:** Flange/bracket **Switch:** External **Insulated return:** Yes
090439 Shutdown Solenoid			
This solenoid can switch off the pull coil, and no external 'control' is necessary.			
	Voltage: 12 **Amp/hold:** 0.76 **Amp/pull:** 41.4	**Thread size:** 6 **Thread type:** mm **Pull rating:** 49N ved 25.40 mm **Hold rating:** 89N	**Plunger:** Internal **Switch:** Internal

SPARE PARTS

090218 Plunger			
		Thread size: M6 **Thread type:** Ordinary	**Plunger:** External

O.E.M. names and numbers are used for reference purposes only.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

KITS

090095 Solenoid Shutdown Kit

This solenoid can´t switch off by itself, it will have to be controlled externally.

Voltage: 12
Amp/hold: 1.1
Amp/pull: 46

Pull rating: 89N at 25.40 mm
Mount. side: Left
Hold rating: 178N

Elect. connection: Cable
Function: Pull
Mount. type: Flange/bracket
Switch: External

090096 Solenoid Shutdown Kit

This solenoid can´t switch off by itself, it will have to be controlled externally.

Voltage: 12
Amp/hold: 1.1
Amp/pull: 46

Pull rating: 89N at 25.40 mm
Mount. side: Right
Hold rating: 178N

Elect. connection: Cable
Function: Pull
Mount. type: Flange/bracket
Switch: External

090099 Solenoid Shutdown Kit

This solenoid can´t switch off by itself, it will have to be controlled externally.

Voltage: 24
Amp/hold: 0.5
Amp/pull: 25

Pull rating: 89N at 25.40 mm
Mount. side: Left
Hold rating: 178N

Elect. connection: Cable
Function: Pull
Mount. type: Flange/bracket
Switch: External

090100 Solenoid Shutdown Kit

This solenoid can´t switch off by itself, it will have to be controlled externally.

Voltage: 24
Amp/hold: 0.5
Amp/pull: 25

Pull rating: 89N at 25.40 mm
Mount. side: Right
Hold rating: 178N

Elect. connection: Cable
Function: Pull
Mount. type: Flange/bracket
Switch: External

090103 Solenoid Shutdown Kit

Servicing: Nippodenso, Zexel

This solenoid can´t switch off by itself, it will have to be controlled externally.

Voltage: 12
Amp/hold: 1.1
Amp/pull: 55

Pull rating: 89N at 25.40 mm
Mount. side: Left
Hold rating: 178N

Elect. connection: Cable
Function: Pull
Mount. type: Flange/bracket
Switch: External

090104 Solenoid Shutdown Kit

Servicing: Nippodenso, Zexel

This solenoid can´t switch off by itself, it will have to be controlled externally.

Voltage: 12
Amp/hold: 1.1
Amp/pull: 55

Pull rating: 89N at 25.40 mm
Mount. side: Right
Hold rating: 178N

Elect. connection: Cable
Function: Pull
Mount. type: Flange/bracket
Switch: External

O.E.M. names and numbers are used for reference purposes only.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
090105 Solenoid Shutdown Kit	**Servicing:** Nippodenso, Zexel		
This solenoid can´t switch off by itself, it will have to be controlled externally.			
	Voltage: 24 **Amp/hold:** 0.63 **Amp/pull:** 29	**Pull rating:** 89N at 25.40 mm **Mount. side:** Left **Hold rating:** 178N	**Elect. connection:** Cable **Function:** Pull **Switch:** External
090106 Solenoid Shutdown Kit	**Servicing:** Nippodenso, Zexel		
This solenoid can´t switch off by itself, it will have to be controlled externally.			
	Voltage: 24 **Amp/hold:** 0.63 **Amp/pull:** 29	**Pull rating:** 89N at 25.40 mm **Mount. side:** Right **Hold rating:** 178N	**Elect. connection:** Cable **Function:** Pull **Switch:** External
090107 Solenoid Shutdown Kit			
This solenoid can´t switch off by itself, it will have to be controlled externally.			
	Voltage: 12 **Amp/hold:** 1.1 **Amp/pull:** 55	**Pull rating:** 89N at 25.40 mm **Mount. side:** Left **Hold rating:** 178N	**Elect. connection:** Multiplug **Switch:** External
090108 Solenoid Shutdown Kit			
This solenoid can´t switch off by itself, it will have to be controlled externally.			
	Voltage: 24 **Amp/hold:** 0.63 **Amp/pull:** 29	**Pull rating:** 89N at 25.40 mm **Mount. side:** Left **Hold rating:** 178N	**Elect. connection:** Multiplug **Function:** Pull **Switch:** External

INTERNALLY SWITCHED

090160 Shutdown Solenoid			
This solenoid can switch off the pull coil, and no external 'control' is necessary.			
	Voltage: 12 **Amp/hold:** 0.7 **Amp/pull:** 30	**Thread size:** 6 **Thread type:** mm **Pull rating:** 40N at 25.40 mm **Return spring:** 17N **Hold rating:** 89N	**Plunger:** External **Elect. connection:** Plug **Mount. type:** Flange/bracket **Switch:** Internal
090161 Shutdown Solenoid			
This solenoid can switch off the pull coil, and no external 'control' is necessary.			
	Voltage: 24 **Amp/hold:** 0.25 **Amp/pull:** 17	**Thread size:** 6 **Thread type:** mm **Pull rating:** 40N at 25.40 mm **Return spring:** 17N **Hold rating:** 89N	**Plunger:** Internal **Elect. connection:** Plug **Function:** Pull **Mount. type:** Flange/bracket **Switch:** Internal

O.E.M. names and numbers are used for reference purposes only.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
090168 Shutdown Solenoid			
This solenoid can switch off the pull coil, and no external 'control' is necessary.			
	Voltage: 12 **Amp/hold:** 0.6 **Amp/pull:** 44	**Thread size:** 6 **Thread type:** mm **Pull rating:** 75N at 25.40 mm **Return spring:** 35N **Hold rating:** 178N	**Plunger:** External **Elect. connection:** Plug **Mount. type:** Flange/bracket **Switch:** Internal
090169 Shutdown Solenoid			
This solenoid can switch off the pull coil, and no external 'control' is necessary.			
	Voltage: 24 **Amp/hold:** 0.3 **Amp/pull:** 23	**Thread size:** 6 **Thread type:** mm **Pull rating:** 75N at 25.40 mm **Return spring:** 35N **Hold rating:** 178N	**Plunger:** External **Elect. connection:** Plug **Function:** Pull **Mount. type:** Flange/bracket **Switch:** Internal **Aux terminal:** Yes
090210 Shutdown Solenoid			
This solenoid can switch off the pull coil, and no external 'control' is necessary.			
	Voltage: 12 **Amp/hold:** 1.1 **Amp/pull:** 46	**Thread size:** 1/4"-28 stud. **Thread type:** Inches **Pull rating:** 89N at 25.40 mm **Return spring:** 9N **Hold rating:** 178N	**Plunger:** Internal **Elect. connection:** Plug **Function:** Pull **Mount. type:** Flange/bracket **Switch:** Internal **Aux terminal:** Yes
090224 Shutdown Solenoid			
This solenoid can switch off the pull coil, and no external 'control' is necessary.			
	Voltage: 12 **Amp/hold:** 0.25 **Amp/pull:** 17	**Thread size:** 6 **Thread type:** mm **Pull rating:** 40N at 25.40 mm **Return spring:** 17N **Hold rating:** 89N	**Plunger:** Internal **Switch:** Internal
090268 Shutdown Solenoid	**Servicing:** Kubota 5 series		
This solenoid can switch off the pull coil, and no external 'control' is necessary.			
	Voltage: 12 **Amp/hold:** 0.49 **Amp/pull:** 36.5	**Thread size:** 0.155 **Thread type:** Inches	**Plunger:** Internal **Switch:** Internal
090297 Shutdown Solenoid			
This solenoid can switch off the pull coil, and no external 'control' is necessary.			
	Voltage: 24 **Amp/hold:** 1.1 **Amp/pull:** 46	**Thread size:** 6 **Thread type:** mm **Pull rating:** 107N at 25.40 mm **Return spring:** 7-11N **Hold rating:** 169N	**Plunger:** External **Switch:** Internal **Aux terminal:** No
090317 Shutdown Solenoid			
This solenoid can switch off the pull coil, and no external 'control' is necessary.			
	Voltage: 24 **Amp/hold:** 0.3 **Amp/pull:** 20	**Pull rating:** 98N at 32.00 mm **Return spring:** 45N **Hold rating:** 245N	**Plunger:** Internal **Switch:** Internal **Coil commander:** w/

O.E.M. names and numbers are used for reference purposes only.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
090318 Shutdown Solenoid			
This solenoid can switch off the pull coil, and no external 'control' is necessary.			
	Voltage: 12 **Amp/hold:** 0.65 **Amp/pull:** 37	**Pull rating:** 98N at 32.00 mm **Return spring:** 45N **Hold rating:** 245N	**Plunger:** Internal **Switch:** Internal
090334 Shutdown Solenoid	**Servicing:** Sisu Diesel 8366 40253		
This solenoid can switch off the pull coil, and no external 'control' is necessary.			
	Voltage: 12 **Amp/hold:** 1.1 **Amp/pull:** 46.5	**Pull rating:** 89N **Hold rating:** 178N	**Plunger:** Internal **Switch:** Internal
090402 Shutdown Solenoid	**Servicing:** Kubota super 5 series		
This solenoid can switch off the pull coil, and no external 'control' is necessary.			
	Voltage: 24 **Amp/hold:** 0.59 **Amp/pull:** 19.6	**Thread size:** 0.154 **Thread type:** Inches	**Plunger:** Internal **Switch:** Internal
090430 Shutdown Solenoid	**Servicing:** Kubota		
This solenoid can switch off the pull coil, and no external 'control' is necessary.			
	Voltage: 12 **Amp/hold:** 0.49 **Amp/pull:** 36.5	**Thread size:** 0.158 **Thread type:** Inches	**Plunger:** Internal **Switch:** Internal

KITS

090097 Solenoid Shutdown Kit			
This solenoid can switch off the pull coil, and no external 'control' is necessary.			
	Voltage: 12 **Amp/hold:** 1.1 **Amp/pull:** 46	**Pull rating:** 89N at 25.40 mm **Mount. side:** Left **Hold rating:** 178N	**Elect. connection:** Plug **Function:** Pull **Mount. type:** Flange/bracket **Switch:** Internal
090098 Solenoid Shutdown Kit			
This solenoid can switch off the pull coil, and no external 'control' is necessary.			
	Voltage: 12 **Amp/hold:** 1.1 **Amp/pull:** 46	**Pull rating:** 89N at 25.40 mm **Mount. side:** Right **Hold rating:** 178N	**Elect. connection:** Plug **Function:** Pull **Switch:** Internal
090101 Solenoid Shutdown Kit			
This solenoid can switch off the pull coil, and no external 'control' is necessary.			
	Voltage: 24 **Amp/hold:** 0.5 **Amp/pull:** 25	**Pull rating:** 89N at 25.40 mm **Mount. side:** Left **Hold rating:** 178N	**Elect. connection:** Plug **Function:** Pull **Switch:** Internal

O.E.M. names and numbers are used for reference purposes only.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
090102 Solenoid Shutdown Kit			
This solenoid can switch off the pull coil, and no external 'control' is necessary.			
	Voltage: 24 **Amp/hold:** 0.5 **Amp/pull:** 25	**Pull rating:** 89N at 25.40 mm **Mount. side:** Right **Hold rating:** 178N	**Elect. connection:** Plug **Function:** Pull **Switch:** Internal

PULL COIL TIMER MODULES

090115 Pull Coil Timer			
	Voltage: 12		**No./wires:** 3
090116 Pull Coil Timer			
	Voltage: 24		**No./wires:** 3

ADVANCE SOLENOIDS

080940 Actuator	**Servicing:** Fiat, Renault		
	Voltage: 12		
080941 Actuator	**Servicing:** Ford		
	Voltage: 12		
080942 Actuator	**Servicing:** Renault		
	Voltage: 12		
081117 Actuator			
	Voltage: 12		

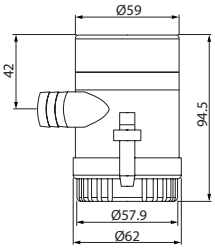
O.E.M. names and numbers are used for reference purposes only.

PUMPS & PUMP PARTS

ELECTRICAL BILGE PUMPS

070154 Bilge Pump

Model UP500. Completely submersible bilge pump. Compact design w/ ABS material housing, corosion resistant. Shaft seal made of ceramic and graphite which ensures lubrication and leak resistance. Water inlet strainer slots will screen particles present in the bilge allowing easy running. Pump body can be dismantled by a simple snap-off movement for easy inspection and cleaning.



Voltage: 12
Amp: 5

Dim.: 94.5x59 mm
Hose connection: 19 mm
Lift height: 4 m
Weight: 0.4 kg
Capacity: 32 l/min
Pressure: 0.45 bar
Pressure: 6.5 psi

Gasket: Ceramic
Type: Bilge
Pump housing: ABS plastic
Pump shaft: Stainless steel
ISO norm: 8849/8846

070155 Bilge Pump

Model UP1000. Completely submersible bilge pump. compact design w/ ABS material housing, corosion resistant. Shaft seal made of ceramic and graphite which ensures lubrication and leak resistance. Water inlet strainer slots will screen particles present in the bilge allowing easy running. Pump body can be dismantled by a simple snap-off movement for easy inspection and cleaning.

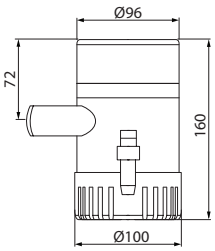
Voltage: 12
Amp: 10

Dim.: 124.7x78 mm
Hose connection: 28.6 mm
Lift height: 4 m
Weight: 0.8 kg
Capacity: 63 l/min
Pressure: 0.45 bar
Pressure: 6.5 psi

Gasket: Ceramic
Type: Bilge
Pump housing: ABS plastic
Pump shaft: Stainless steel
ISO norm: 8849/8846

070156 Bilge Pump

Model UP1500. Completely submersible bilge pump. Compact design w/ ABS material housing, corosion resistant. Shaft seal made of ceramic and graphite which ensures lubrication and leak resistance. Water inlet strainer slots will screen particles present in the bilge allowing easy running. Pump body can be dismantled by a simple snap-off movement for easy inspection and cleaning.



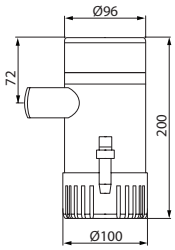
Voltage: 12
Amp: 20

Dim.: 160x96 mm
Hose connection: 26.5 mm
Lift height: 4 m
Weight: 1.3 kg
Capacity: 95 l/min
Pressure: 0.45 bar
Pressure: 6.5 psi

Gasket: Ceramic
Type: Bilge
Pump housing: ABS plastic
Pump shaft: Stainless steel
ISO norm: 8849/8846

070157 Bilge Pump

Model UP2000. Completely submersible bilge pump. compact design w/ ABS material housing, corosion resistant. Shaft seal made of ceramic and graphite which ensures lubrication and leak resistance. Water inlet strainer slots will screen particles present in the bilge allowing easy running. Pump body can be dismantled by a simple snap-off movement for easy inspection and cleaning.



Voltage: 12
Amp: 25

Dim.: 200x96 mm
Hose connection: 31.8 mm
Lift height: 4 m
Weight: 1.8 kg
Capacity: 126 l/min
Pressure: 0.45 bar
Pressure: 6.5 psi

Gasket: Ceramic
Type: Bilge
Pump housing: ABS plastic
Pump shaft: Stainless steel
ISO norm: 8849/8846

ACCESSORIES

070160 Automatic Float Switch

Made of corrosion resistant materials.

Voltage: 12/24
Amp: 10

Dim.: 113x83x62 mm
Height/closed: 22
Height/open: 57

Floating switch: w/

O.E.M. names and numbers are used for reference purposes only.

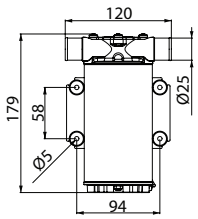
	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

ELECTRICAL WATER PUMPS

070144 Water Pump

Servicing: Renault

Model UP1-N. Self priming (1.5 m) electric water pump w/ self-lubricating flexible impeller for prolonged service life and better performance. Pump body made of brass w/ stainless steel shaft and a rubber lip seal. 1/2" BSP inner thread and ID 25 mm bore hose connections. Main application: as a bilge pump.



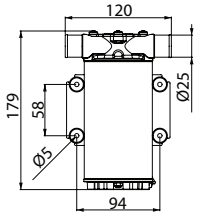
Voltage: 12
Amp: 20

Dim.: 176x120x94 mm
Hose connection: 25 mm
Capacity: 35 l/min
Pressure: 0.8 bar
Pressure: 11.6 psi

Type: Impeller
Pump housing: Brass
Pump shaft: Stainless steel
Impeller: Rubber
Non return valve: Yes
ISO norm: 8849/8846

070145 Water Pump

Model UP1-N. Self priming (1.5 m) electric water pump w/ self-lubricating flexible impeller for prolonged service life and better performance. Pump body made of brass w/ stainless steel shaft and a rubber lip seal. 1/2" BSP inner thread and ID 25 mm bore hose connections. Main application: as a bilge pump.



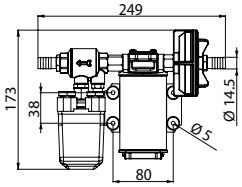
Voltage: 24
Amp: 15

Dim.: 176x120x94 mm
Hose connection: 25 mm
Capacity: 35 l/min
Pressure: 0.8 bar
Pressure: 11.6 psi

Type: Water, Impeller
Pump housing: Brass
Pump shaft: Stainless steel
Impeller: Rubber
Non return valve: Yes
ISO norm: 8849/8846

070153 Water Pump

Model UP3/A. Self priming electric gear pump equipped w/ pressure switch, non-return valve to be used as automatic pump for water pressure system on boats, mobile homes etc. Bronze gears and rubber lip seal.



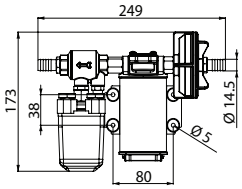
Voltage: 12
Amp: 10

Dim.: 163x249x118 mm
Hose connection: 13 mm
Weight: 2.2 kg
Capacity: 14 l/min
Pressure: 2 bar
Pressure: 29 psi

Type: Gear
Pump housing: Brass
Pump shaft: Stainless steel
Pinion: PTFE
Filter: w/
Non return valve: Yes

070172 Water Pump

Model UP4/A. Self priming electric gear pump equipped w/ pressure switch, non-return valve to be used as automatic pump for water pressure system on boats, mobile homes etc. Bronze gears and rubber lip seal.



Voltage: 24
Amp: 5

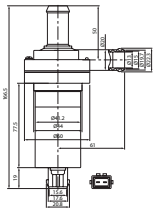
Dim.: 163x249x118 mm
Hose connection: 14 mm
Weight: 2.2 kg
Capacity: 14 l/min
Pressure: 2 bar
Pressure: 29 psi

Type: Water, Gear
Pump housing: Brass
Pump shaft: Stainless steel
Pinion: PTFE
Filter: w/
Non return valve: Yes

CIRCULATION TYPE

070192 Circulation Pump

Servicing: Ford, Seat, VW



Voltage: 12

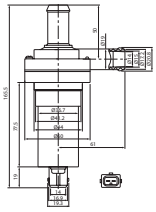
Hose connection: 20 mm
Capacity: 14 l/min

Type: Water, Impeller

070203 Circulation Pump

Servicing: Saab, Scania, Ferrari, Maserati, Opel, Vauxhall

Junior Timer Connector: HC-CARGO 192146. (see Workshop Cons. & Tools)



Voltage: 12

Hose connection: 19 mm
Capacity: 18 l/min

Type: Water, Impeller
Filter: w/

O.E.M. names and numbers are used for reference purposes only.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
070206 Circulation Pump	**Servicing:** Mercedes-Benz		
	Voltage: 12	**Hose connection:** 19 mm **Capacity:** 18 l/min	**Type:** Water, Impeller **Filter:** w/o

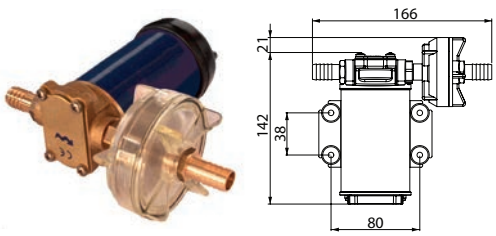
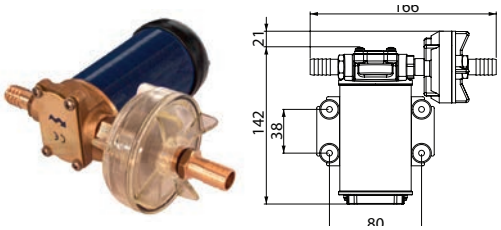
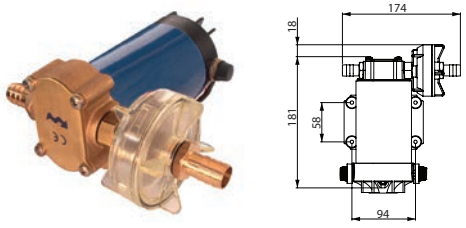
SPARE PARTS

070146 Impeller	**Servicing:** HC-CARGO 070144, 070145		
			Impeller: Rubber

ACCESSORIES

070207 In line Filter	**Servicing:** HC-CARGO 070153		
Diameter: 14 mm.			

ELECTRICAL FLUID PUMPS

070147 Fluid Pump	**Servicing:** Main application: transfer of diesel fuel, water antifreeze etc.		
Model UP/3. self-priming 1.5 m. Electric pump w/ bronze gears for transfer of various liquids, complete w/ inline filter. Pump body made of brass w/ stainless steel shaft and a rubber lip seal. 3/8" BSP w/ brass connection for I.D. 14 mm inner tubing.			
	**Voltage:** 12 **Amp:** 10	**Dim.:** 163x166x95 mm **Hose connection:** 14 mm **Weight:** 1.4 kg **Capacity:** 14 l/min **Pressure:** 2 bar **Pressure:** 29 psi	**Type:** Gear **Pump housing:** Brass **Pump shaft:** Stainless steel **Pinion:** Brass **Filter:** w/
070148 Fluid Pump	**Servicing:** Main application: transfer of diesel fuel, water antifreeze etc.		
Model UP/3. self-priming 1.5 m. Electric pump w/ bronze gears for transfer of various liquids, complete w/ inline filter. Pump body made of brass w/ stainless steel shaft and a rubber lip seal. 3/8" BSP w/ brass connection for I.D. 14 mm inner tubing.			
	**Voltage:** 24 **Amp:** 5	**Dim.:** 163x166x95 mm **Hose connection:** 14 mm **Weight:** 1.4 kg **Capacity:** 14 l/min **Pressure:** 2 bar **Pressure:** 29 psi	**Type:** Gear **Pump housing:** Brass **Pump shaft:** Stainless steel **Pinion:** Brass **Filter:** w/
070149 Fluid Pump	**Servicing:** Main application: transfer of diesel fuel, water antifreeze etc.		
Self-priming electric pump w/ helical bronze gears, complete with in-line filter. Nickel plated brass body w/ stainless steel shaft. Ports: 1/2" BSP w/ brass connection for Ø 16 mm inner tubing.			
	**Voltage:** 12 **Amp:** 15	**Dim.:** 199x174x108 mm **Hose connection:** 16 mm **Weight:** 3.1 kg **Capacity:** 26 l/min **Pressure:** 2 bar **Pressure:** 29 psi	**Type:** Fluid, Gear **Pump housing:** Brass **Pump shaft:** Stainless steel **Pinion:** Brass **Filter:** w/

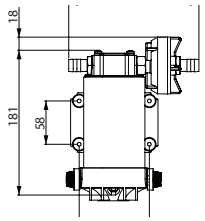
O.E.M. names and numbers are used for reference purposes only.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

070150 Fluid Pump

Servicing: Main application: transfer of diesel fuel, water antifreeze etc.

Self-priming electric pump w/ helical bronze gears, complete with in-line filter. Nickel plated brass body w/ stainless steel shaft. Ports: 1/2" BSP w/ brass connection for Ø 16 mm inner tubing.



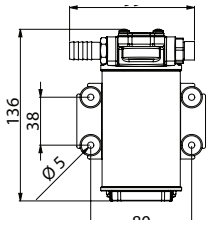
Voltage: 24
Amp: 7.5

Dim.: 199x174x108 mm
Hose connection: 16 mm
Weight: 3.1 kg
Capacity: 26 l/min
Pressure: 2 bar
Pressure: 29 psi

Type: Gear
Pump housing: Brass
Pump shaft: Stainless steel
Pinion: Brass
Filter: w/

070151 Fluid Pump

Model UP3/ oil. Self-priming 1 m. Electrical gear pump particularly suitable for the transfer of lubricating oils or viscous liquids. Complete w/ two brass connections for 14 mm inner tube and one additional quick-fit for 8 mm external tubing. The pump can be used for extracting lubricating oil out of oil sumps of engines. Pump body made of brass w/ bronze gears, stainless steel shaft and a rubber lip seal.



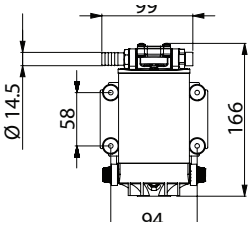
Voltage: 12
Amp: 7.5

Dim.: 139x108x86 mm
Hose connection: 14 mm
Weight: 1.4 kg
Capacity: 5.5 l/min
Pressure: 29 psi

Gasket: Rubber
Type: Fluid, Gear
Pump housing: Brass
Pump shaft: Stainless steel
Pinion: Bronze
Non return valve: Yes

070152 Fluid Pump

Model UP6/ oil. Self-priming 1.5 m. Electrical gear pump particularly suitable for the transfer of lubricating oils or viscous liquids. Professional model complete w/ two brass connections for 14 mm inner tube and one additional quick-fit for 8 mm external tubing. The pump can be used for extracting lubricating oil out of oil sumps of engines. Pump body made of brass w/ bronze gears, stainless steel shaft and a rubber lip seal.



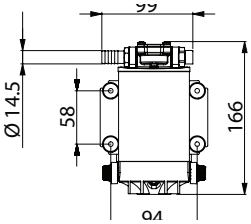
Voltage: 12
Amp: 10

Dim.: 166x117x94 mm
Hose connection: 14 mm
Weight: 2.5 kg
Capacity: 8 l/min
Pressure: 2 bar
Pressure: 29 psi

Type: Fluid, Gear
Pump housing: Brass
Pump shaft: Stainless steel
Pinion: Bronze

070173 Fluid Pump

Model UP3/A. Self priming electric gear pump equipped w/ pressure switch, non-return valve to be used as automatic pump for water pressure system on boats, mobile homes etc. Bronze gears and rubber lip seal.



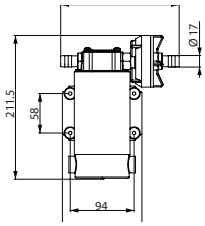
Voltage: 24
Amp: 7.5

Dim.: 166x117x94 mm
Hose connection: 14 mm
Weight: 2.5 kg
Capacity: 8 l/min
Pressure: 2 bar
Pressure: 29 psi

Type: Fluid, Gear
Pump housing: Brass
Pump shaft: Stainless steel
Impeller: Rubber
Pinion: Bronze

070208 Electrical Fluid Pump HD

Model UP12. Self-priming 4 m.



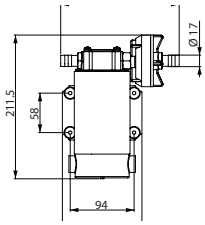
Voltage: 12
Amp: 30

Dim.: 212x174x109 mm
Hose connection: 16 mm
Weight: 4.3 kg
Capacity: 40 l/min
Pressure: 2.5 bar
Pressure: 36 psi

Type: Fluid, Gear
Pump housing: Brass
Pump shaft: Stainless steel
Pinion: Bronze
Filter: w/
Non return valve: Yes

070209 Electrical Fluid Pump HD

Model UP12. Self-priming 4 m.



Voltage: 24
Amp: 15

Dim.: 212x174x109 mm
Hose connection: 16 mm
Weight: 4.3 kg
Capacity: 40 l/min
Pressure: 2.5 bar
Pressure: 36 psi

Type: Fluid, Gear
Pump housing: Brass
Pump shaft: Stainless steel
Pinion: Bronze
Filter: w/
Non return valve: Yes

O.E.M. names and numbers are used for reference purposes only.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

SPARE PARTS

070182 Brush Set — **Servicing:** HC-CARGO 070144, -145, -149, -150, -152

Length: 18.1 mm
Height: 8.6 mm
Thickness: 5.6 mm

ELECTRICAL FUEL PUMPS

INTERRUPTER PUMPS

070003 Fuel Pump

Incl. 2 pcs. 6 mm hose nipples. 8 mm: HC-CARGO 080955. 8 mm angle: HC-CARGO 070181. 10 mm: HC-CARGO 081154.

Voltage: 12
Capacity: 113.5 l/h
Pressure: 4-5 psi
Type: Universal

070004 Fuel Pump

Incl. 2 pcs. 6 mm hose nipples. 8 mm: HC-CARGO 080955. 8 mm angle: HC-CARGO 070181.

Voltage: 24
Capacity: 113.5 l/h
Pressure: 4-5 psi
Type: Universal

070058 Fuel Pump — **Servicing:** Thermo King, Carrier

Incl. 2 pcs. 6 mm hose nipples. 8 mm: HC-CARGO 080955. 8 mm angle: HC-CARGO 070181. 10 mm: HC-CARGO 081154.

Voltage: 12
Capacity: 87 l/h
Pressure: 7-9.5 psi
Type: Universal

070076 Fuel Pump

w/ integral filter.

Voltage: 12
Capacity: 113 l/h
Pressure: 9-11.5 psi
Fuel: Gasoline, diesel, ethanol, methanol
Type: Universal

070134 Fuel Pump — **Servicing:** New-Holland, Same

Voltage: 12
Thread: In 1/4-18"
Capacity: 136 l/h
Pressure: 4-5 psi
Type: Universal

O.E.M. names and numbers are used for reference purposes only.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

ACCESSORIES

070177 Filter — **Servicing:** HC-CARGO 070003, 070004, 070058, 070134

PRESSURE PUMPS

070032 Fuel Pump

Hose nipple 8 mm. Suction 1 mtr. Connectors can be rotated. Fitting instruction included.

Voltage: 12

Capacity: 120 l/h
Pressure: 0.2 bar

Fuel: Gasoline, diesel, ethanol, methanol
Type: Universal

070078 Fuel Pump

Hose nipple 8 mm. Suction 1.5 mtr. Connectors can be rotated. Fitting instruction included.

Voltage: 12

Capacity: 125 l/h
Pressure: 0.35 bar

Type: Universal

070107 Fuel Pump

Hose nipple 8 mm. Suction 1.5 mtr. Connectors can be rotated. Fitting instruction included.

Voltage: 24

Capacity: 130 l/h
Pressure: 0.35 bar

Fuel: Gasoline, diesel, ethanol, methanol
Type: Universal

070143 Fuel Pump — **Servicing:** Thermo King/carrier, tested according to SAE J1537

Suction 1.2 mtr. Fitting instruction included.

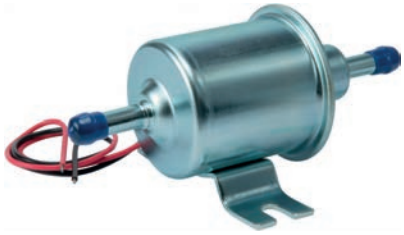
Voltage: 12

Thread: In 1/8" NPSF
Capacity: 155 l/h
Pressure: 0.1 bar

Fuel: Gasoline, diesel, ethanol, methanol
Type: Universal

070161 Fuel Pump

Hose nipple 8 mm.



Voltage: 12

Capacity: 80-150 l/h
Pressure: 0.1-0.4 kg
Pressure: 1.4-5.7 psi

Type: Universal

O.E.M. names and numbers are used for reference purposes only.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

ACCESSORIES

070183 Filter Kit — **Servicing:** Thermo King/Carrier pump 6103 W

For HC-CARGO 070143.

Filter type: Insert

HIGH PERFORMANCE FUEL PUMPS

070187 Fuel Pump

Supplied w/ 2 pcs. 6 mm hose connection.

Voltage: 12

Thread: In 1/8"-27 NPTF
Capacity: 95 l/h
Pressure: 0.1-0.28 bar
Pressure: 0.1-0.3 kg
Pressure: 1.5-4 psi

Fuel: Gasoline, diesel, ethanol, methanol
Type: Universal

070188 Fuel Pump

Replaceable hose nipple. Supplied w/ 2 pcs. 6 mm hose connection.

Voltage: 12

Thread: In 1/8"-27 NPTF
Capacity: 132 l/h
Pressure: 0.3-0.5 kg
Pressure: 4-7 psi

Fuel: Gasoline, diesel, ethanol, methanol
Type: Universal

070191 Fuel Pump

Standard 6 mm hose nipples.

Voltage: 12

Thread: In M8
Capacity: 130 l/h
Pressure: 0.5-0.7 kg
Pressure: 7-10 psi

Fuel: Gasoline, diesel, ethanol, methanol
Type: Universal

SOLID STATE PUMPS

070056 Fuel Pump — **Servicing:** Caterpillar, IH/Case

Voltage: 24

Capacity: 121 l/h
Pressure: 0.3-0.45 kg
Pressure: 4.5-6 psi

Type: Universal

070057 Fuel Pump — **Servicing:** Thermo King etc

Voltage: 12

Capacity: 121 l/h
Pressure: 0.7 kg
Pressure: 10 psi

Fuel: Gasoline, diesel, ethanol, methanol
Type: Universal

O.E.M. names and numbers are used for reference purposes only.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

SUCTION PUMPS

070019 Fuel Pump — **Servicing:** Bobcat

Suction 0.2 bar = 2.7 mtr. Fitting instruction included.

Voltage: 12

Thread: Out R-1/4"
Capacity: 120 l/h
Pressure: 0.2 bar

Fuel: Gasoline
Type: Universal

070021 Fuel Pump — **Servicing:** VW

Hose nipple 8 mm. Suction 1 mtr. Connectors can be rotated. Fitting instruction included.

Voltage: 12

Capacity: 120 l/h
Pressure: 0.15 bar

Fuel: Gasoline/diesel
Type: Universal

070184 Fuel Pump — **Servicing:** VW marine

Hose nipple 8 mm. Waterproof. Suction 1 mtr. Connectors can be rotated.

Voltage: 12

Capacity: 120 l/h
Pressure: 0.15 bar

Fuel: Gasoline, diesel, ethanol, methanol
Type: Universal

UNIVERSAL

HOSE NIPPLES

070067 Hose Nipple — **Servicing:** A005T16384, A5T16384

Hose ID: 10 mm
Thread: R1/4

070070 Hose Nipple

Hose ID: 10 mm
Thread: M16-1.5

070077 Hose Nipple

Hose ID: 6 mm
Thread: 1/8-27 NPTF

O.E.M. names and numbers are used for reference purposes only.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

DIESEL PUMP KITS

070162 Diesel Transfer/Filter Kit

Includes: 2.5 m suction hose. 2.5 m pressure hose w/ gun. Wired connection w/ alligator clips. Switch on the pump. Bypass valve on the pump ensures that it is not overloaded by closed gun. Not to gasoline.

Voltage: 12
Amp: 15

Dim.: 210x161x120 mm
Hose connection: 25 mm
Capacity: 45 l/min
Pressure: 1.2 bar
Pressure: 17.4 psi

Type: Fluid Gear
Impeller: Steel
Filter: w/

070175 Diesel Transfer/Filter Kit

2.5 m suction hose w/ filter. 2.5 m pressure hose w/ gun. 2 m cable w/ alligator clips. Switch on the pump. Bypass valve on the pump ensure against overloading. Not for gasoline.

Voltage: 24
Amp: 7.5

Dim.: 210x161x120 mm
Hose connection: 25 mm
Capacity: 45.1 l/min
Pressure: 1.2 bar
Pressure: 17.4 psi

Type: Fluid
Filter: w/

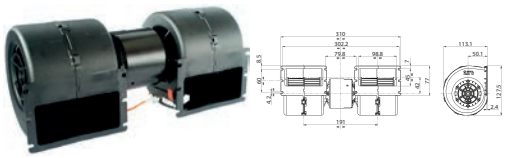
FANS & BLOWERS

BLOWERS

CENTRIFUGAL TYPE

160483 Centrifugal Blower

Servicing: HC-CARGO 060216



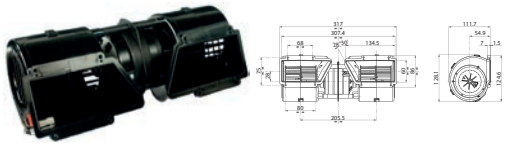
Voltage: 12
Amp: 15

Dim.: 113.1x127.5 mm
Shaft dia.: 50.1 mm
Length: 310 mm
Capacity: 750 m³
Pressure: 0 psi
Speed: 3-speed

No./shafts: 2
Fan mounted: Yes

160510 Centrifugal Blower

Servicing: New Holland tractors



Voltage: 12
Amp: 14

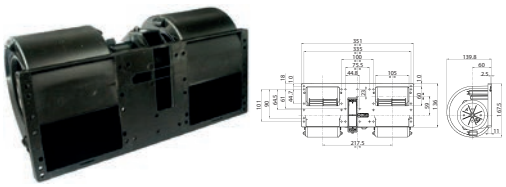
Dim.: 111.7x124.6 mm
Shaft dia.: 54.9 mm
Length: 317 mm
Capacity: 650 m³
Pressure: 0 psi
Speed: 3-speed

No./shafts: 2
Fan mounted: Yes

160511 Centrifugal Blower

Servicing: Deutz, New Holland

This model have to be used w/ a static pressure that is higher than 0.1 psi. (pressure cabins).

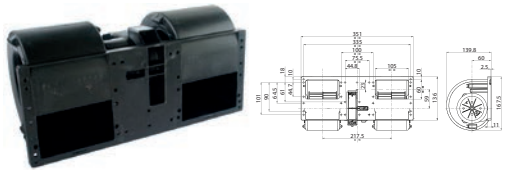


Voltage: 12
Amp: 34

Dim.: 139.8x167.5 mm
Shaft dia.: 60 mm
Length: 351 mm
Capacity: 840 m³
Pressure: 0 psi
Speed: 1-speed

No./shafts: 2
Fan mounted: Yes

160512 Centrifugal Blower

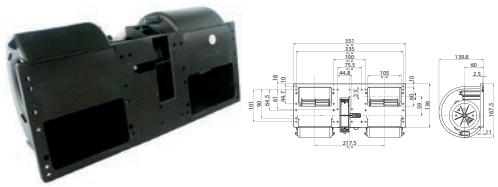
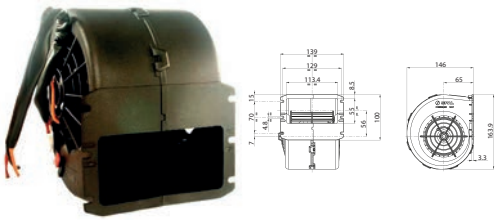
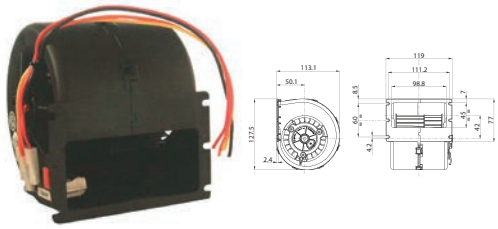
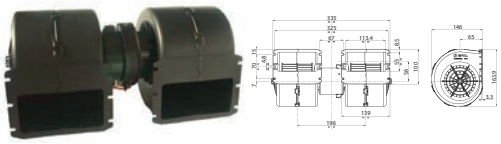
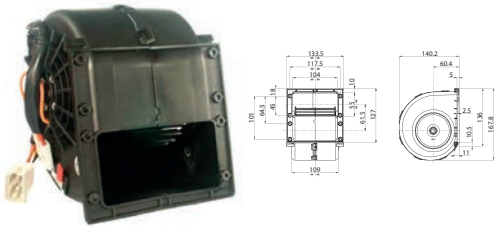
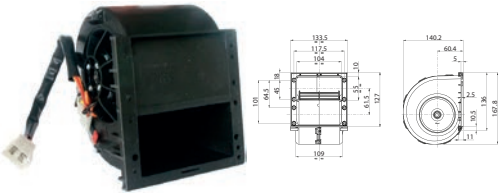
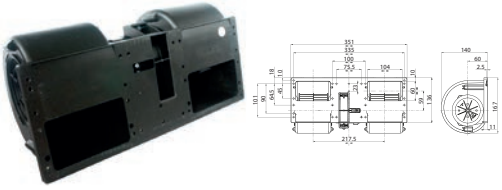


Voltage: 24
Amp: 15.9

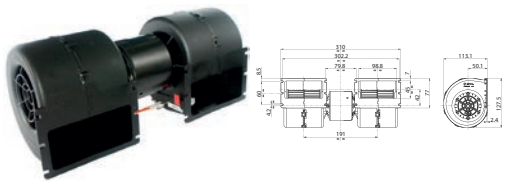
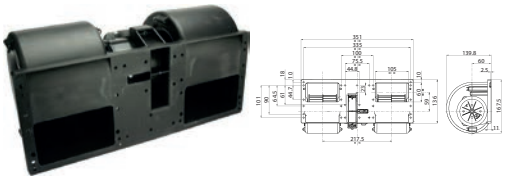
Dim.: 139.8x167.5 mm
Shaft dia.: 60 mm
Length: 351 mm
Capacity: 1160 m³
Pressure: 0 psi
Speed: 3-speed

No./shafts: 2
Fan mounted: Yes

O.E.M. names and numbers are used for reference purposes only.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
160557 Centrifugal Blower			
	**Voltage:** 24 **Amp:** 12	**Dim.:** 139.8x167.5 mm **Shaft dia.:** 60 mm **Length:** 351 mm **Capacity:** 1050 m³ **Pressure:** 0 psi **Speed:** 3-speed	**No./shafts:** 2 **Fan mounted:** Yes
160592 Centrifugal Blower			
	**Voltage:** 12 **Amp:** 19.6	**Dim.:** 146x163.9 mm **Shaft dia.:** 65 mm **Length:** 139 mm **Capacity:** 540 m³ **Pressure:** 0 psi **Speed:** 3-speed	**No./shafts:** 1 **Fan mounted:** Yes
160593 Centrifugal Blower			
	**Voltage:** 12 **Amp:** 5	**Dim.:** 113.5x127.5 mm **Shaft dia.:** 50.1 mm **Length:** 119 mm **Capacity:** 260 m³ **Pressure:** 0 psi **Speed:** 3-speed	**No./shafts:** 1 **Fan mounted:** Yes
160594 Centrifugal Blower			
	**Voltage:** 24 **Amp:** 11	**Dim.:** 146x163.9 mm **Shaft dia.:** 65 mm **Length:** 335 mm **Capacity:** 1050 m³ **Pressure:** 0 psi **Speed:** 3-speed	**No./shafts:** 2 **Fan mounted:** Yes
160596 Centrifugal Blower			
	**Voltage:** 24 **Amp:** 11.1	**Dim.:** 140.2x167.8 mm **Shaft dia.:** 60.4 mm **Length:** 133.5 mm **Capacity:** 530 m³ **Pressure:** 0 psi **Speed:** 3-speed	**No./shafts:** 2 **Fan mounted:** Yes
160639 Centrifugal Blower			
	**Voltage:** 12 **Amp:** 19.9	**Dim.:** 140.2x167.8 mm **Shaft dia.:** 60.4 mm **Length:** 133.5 mm **Capacity:** 510 m³ **Pressure:** 0 psi **Speed:** 3-speed	**No./shafts:** 1 **Fan mounted:** Yes
160647 Centrifugal Blower			
	**Voltage:** 12 **Amp:** 17.2	**Dim.:** 140x167 mm **Shaft dia.:** 60 mm **Length:** 351 mm **Capacity:** 910 m³ **Speed:** 3-speed	**No./shafts:** 2 **Fan mounted:** Yes

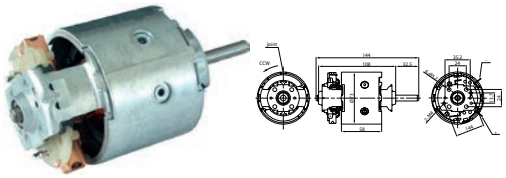
O.E.M. names and numbers are used for reference purposes only.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
160649 Centrifugal Blower	**Servicing:** HC-CARGO 060220		
	**Voltage:** 24 **Amp:** 8.2	**Dim.:** 113.1x127.5 mm **Shaft dia.:** 50.1 mm **Length:** 310 mm **Capacity:** 750 m³ **Pressure:** 0 psi **Speed:** 3-speed	**No./shafts:** 2 **Fan mounted:** Yes
160878 Centrifugal Blower	**Servicing:** Volvo		
	**Voltage:** 24 **Amp:** 12	**Dim.:** 139.8x167.5 mm **Shaft dia.:** 60 mm **Length:** 351 mm **Capacity:** 1050 m³ **Pressure:** 0 psi **Speed:** 4-speed	**No./shafts:** 2 **Fan mounted:** Yes

FAN/HEATER MOTORS

UNIVERSAL

SINGLE SHAFTS

160005 Universal Motor			
Universal.			
	Voltage: 12 **Watt:** 40	**Dia.:** 60 mm **Shaft dia.:** 8x22 mm **Length:** 121 mm **Revolutions/min.:** 2000 **Speed:** 1-speed	**No./shafts:** 1 **Fan mounted:** No
160006 Universal Motor			
Universal.			
	Voltage: 24 **Watt:** 40	**Dia.:** 60 mm **Shaft dia.:** 8x22 mm **Length:** 121 mm **Revolutions/min.:** 2000 **Speed:** 1-speed	**No./shafts:** 1 **Fan mounted:** No
160674 Universal Motor			
Universal.			
	Voltage: 12	**Dim.:** 58x107 mm **Dia.:** 51 mm **Shaft dia.:** 6 mm **Length:** 107 mm	**No./shafts:** 1 **Fan mounted:** No
160734 Universal motor	**Servicing:** Volvo		
	**Voltage:** 12	**Dia.:** 73 mm **Shaft dia.:** 8 mm **Length:** 144 mm	**No./shafts:** 1 **Fan mounted:** No

O.E.M. names and numbers are used for reference purposes only.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

DOUBLE SHAFTS

160250 Universal Motor

Universal.

Voltage: 12

Dia.: 90 mm
Shaft dia.: 10x110 mm
Length: 105 mm
Revolutions/min.: 3200
Speed: 3-speed

No./shafts: 2
Fan mounted: No

160251 Universal Motor

Universal.

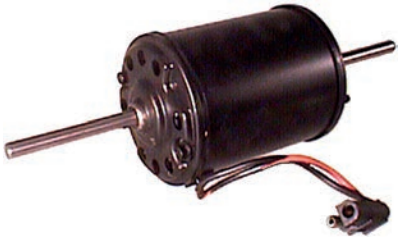
Voltage: 24

Dia.: 90 mm
Shaft dia.: 7.95x79 mm
Length: 107 mm
Revolutions/min.: 2600
Speed: 3-speed

No./shafts: 2
Fan mounted: No

160252 Universal Motor

Universal.



Voltage: 24

Dia.: 82 mm
Shaft dia.: 7.2x58 mm
Length: 248 mm
Revolutions/min.: 2500
Speed: 1-speed

No./shafts: 2
Fan mounted: No

160253 Universal Motor

Universal.

Voltage: 12

Dia.: 77.5 mm
Shaft dia.: 7x68.5 mm
Length: 254 mm
Revolutions/min.: 3300
Speed: 3-speed

No./shafts: 2
Fan mounted: No

160622 DC Motor

Servicing: Massey Ferguson 3070

Universal.

Voltage: 12

Dia.: 73 mm
Shaft dia.: 8x51 mm
Length: 223 mm
Revolutions/min.: 3100

Type: Blower
No./shafts: 2
Fan mounted: No

160626 DC Motor

Servicing: Fiat tractors

Universal.

Voltage: 12

Dia.: 59.5 mm
Shaft dia.: 8 mm
Length: 198 mm
Revolutions/min.: 4000

No./shafts: 2
Fan mounted: No

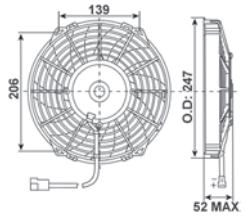
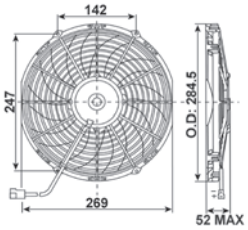
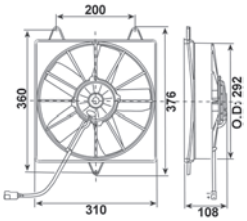
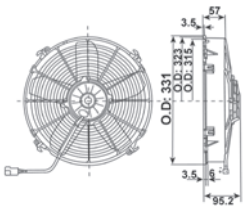
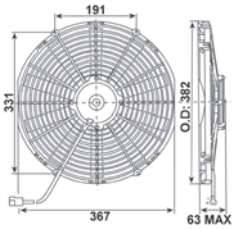
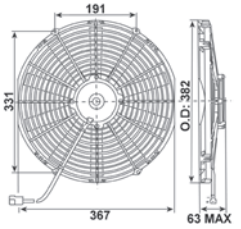
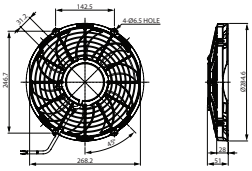
O.E.M. names and numbers are used for reference purposes only.

AXIAL FANS

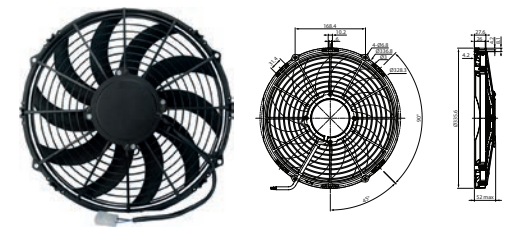
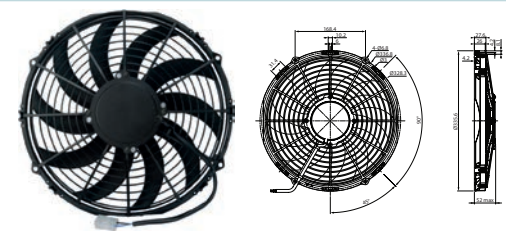
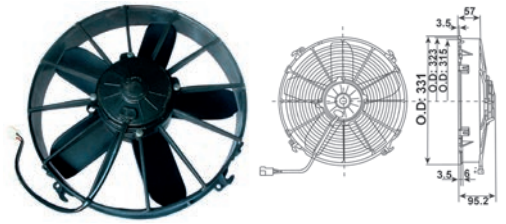
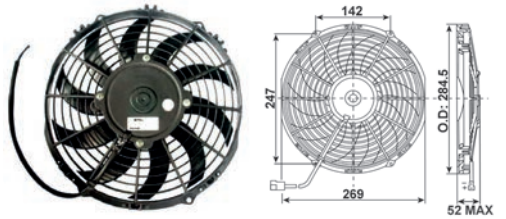
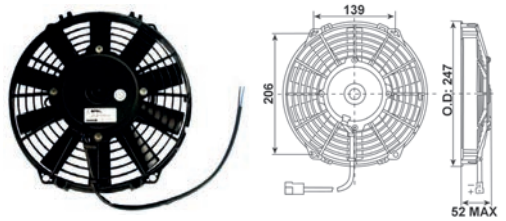
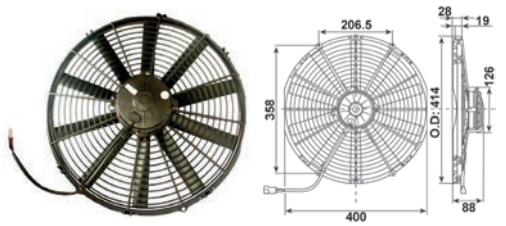
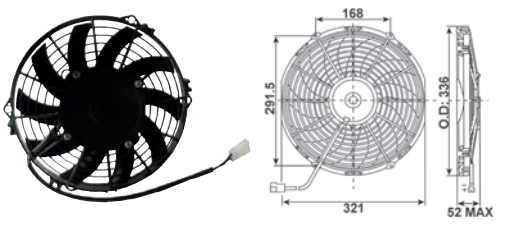
12 V

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
160536 Axial Fan	**Voltage:** 12 **Amp:** 6.2	**OD:** 336 mm **Capacity:** 1590 m³	**Type:** Blower **Tightness norm:** IP 68
160537 Axial Fan	**Voltage:** 12 **Amp:** 6.7	**OD:** 247 mm **Capacity:** 1060 m³	**Type:** Suction **Tightness norm:** IP 68
160538 Axial Fan	**Voltage:** 12 **Amp:** 6.7	**OD:** 336 mm **Capacity:** 1540 m³	**Type:** Suction **Tightness norm:** IP 68
160539 Axial Fan	**Voltage:** 12 **Amp:** 8.7	**OD:** 284.5 mm **Capacity:** 1360 m³	**Type:** Suction **Tightness norm:** IP 68
160598 Axial Fan	**Voltage:** 12 **Amp:** 7.8	**OD:** 310 mm **Capacity:** 1390 m³	**Type:** Suction **Tightness norm:** IP 68
160601 Axial Fan	**Voltage:** 12 **Amp:** 7.7	**OD:** 310 mm **Capacity:** 1400 m³	**Type:** Blower **Tightness norm:** IP 68
160739 Axial Fan	**Voltage:** 12 **Amp:** 15.6	**OD:** 331 mm **Capacity:** 2430 m³	**Type:** Suction **Tightness norm:** IP 68

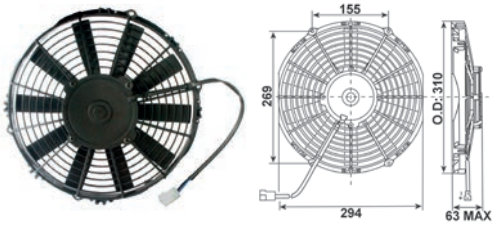
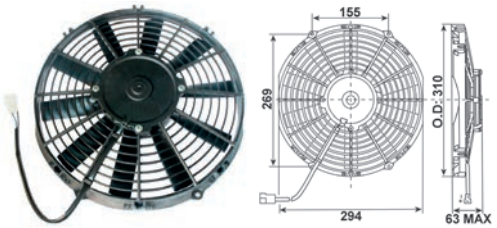
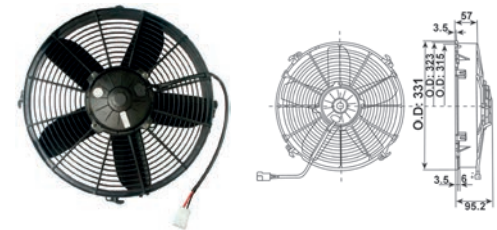
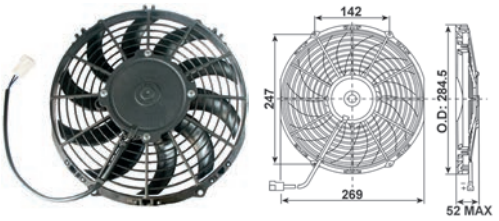
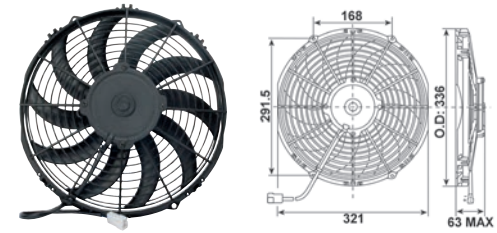
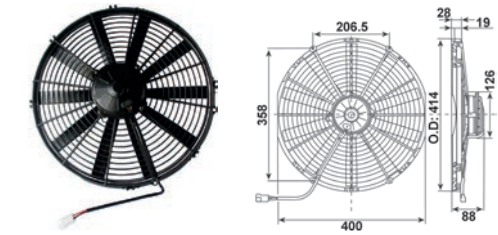
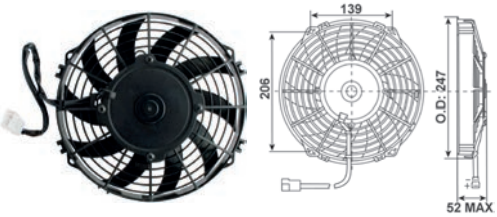
O.E.M. names and numbers are used for reference purposes only.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
160910 Axial Fan			
	**Voltage:** 12 **Amp:** 7.2	**OD:** 247 mm **Capacity:** 1080 m³	**Type:** Blower **Tightness norm:** IP 68
160911 Axial Fan			
	**Voltage:** 12 **Amp:** 7.6	**OD:** 284.5 mm **Capacity:** 1430 m³	**Type:** Blower **Tightness norm:** IP 68
160912 Axial Fan			
	**Voltage:** 12 **Amp:** 11.4	**Dim.:** 376x310x108 mm **OD:** 292 mm **Capacity:** 2280 m³	**Type:** Blower **Tightness norm:** IP 68
160913 Axial Fan			
	**Voltage:** 12 **Amp:** 15.3	**OD:** 331 mm **Capacity:** 2340 m³	**Type:** Blower **Tightness norm:** IP 68
160914 Axial Fan			
	**Voltage:** 12 **Amp:** 9.5	**OD:** 382 mm **Capacity:** 2220 m³	**Type:** Suction **Tightness norm:** IP 68
160915 Axial Fan			
	**Voltage:** 12 **Amp:** 8.7	**OD:** 382 mm **Capacity:** 2140 m³	**Type:** Blower **Tightness norm:** IP 68
161000 HC-CARGO Axial Fan			
	**Voltage:** 12 **Amp:** 9	**OD:** 284.6 mm **Capacity:** 1506 m³	**Type:** Suction **Tightness norm:** IP 68

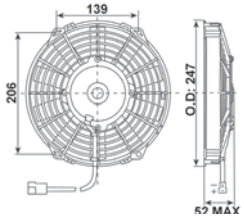
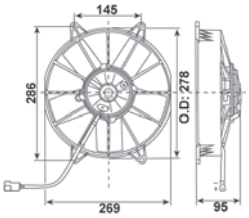
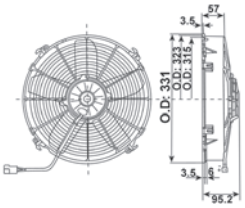
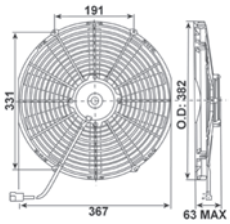
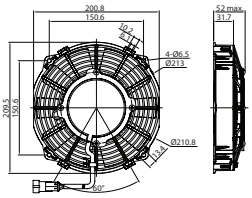
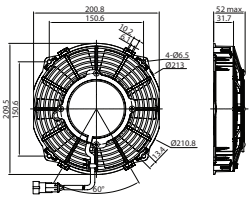
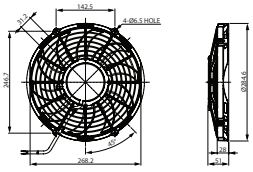
O.E.M. names and numbers are used for reference purposes only.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
161002 HC-CARGO Axial Fan			
	**Voltage:** 12 **Amp:** 7.5	**OD:** 335.6 mm **Capacity:** 1733 m³	**Type:** Suction **Tightness norm:** IP 68
161003 HC-CARGO Axial Fan			
	**Voltage:** 12 **Amp:** 7.5	**OD:** 335.6 mm **Capacity:** 1733 m³	**Type:** Blower **Tightness norm:** IP 68
24 V			
160584 Axial Fan			
	**Voltage:** 24 **Amp:** 7.4	**OD:** 331 mm **Capacity:** 2900 m³	**Type:** Suction **Tightness norm:** IP 68
160587 Axial Fan			
	**Voltage:** 24 **Amp:** 3.9	**OD:** 384.5 mm **Capacity:** 1300 m³	**Type:** Suction **Tightness norm:** IP 68
160588 Axial Fan			
	**Voltage:** 24 **Amp:** 4.1	**OD:** 247 mm **Capacity:** 1080 m³	**Type:** Blower **Tightness norm:** IP 68
160595 Axial Fan			
	**Voltage:** 24 **Amp:** 8.7	**OD:** 414 mm **Capacity:** 3540 m³	**Type:** Blower **Tightness norm:** IP 68
160597 Axial Fan			
	**Voltage:** 24 **Amp:** 3.9	**OD:** 336 mm **Capacity:** 1180 m³	**Type:** Blower **Tightness norm:** IP 68

O.E.M. names and numbers are used for reference purposes only.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
160599 Axial Fan			
	**Voltage:** 24 **Amp:** 4.4	**OD:** 310 mm **Capacity:** 1690 m³	**Type:** Suction **Tightness norm:** IP 68
160600 Axial Fan			
	**Voltage:** 24 **Amp:** 4.1	**OD:** 310 mm **Capacity:** 1570 m³	**Type:** Blower **Tightness norm:** IP 68
160619 Axial Fan			
	**Voltage:** 24 **Amp:** 7.8	**OD:** 310 mm **Capacity:** 2440 m³	**Type:** Blower **Tightness norm:** IP 68
160714 Axial Fan			
	**Voltage:** 24 **Amp:** 3.7	**OD:** 284.5 mm **Capacity:** 1400 m³	**Type:** Blower **Tightness norm:** IP 68
160737 Axial Fan			
	**Voltage:** 24 **Amp:** 6	**OD:** 336 mm **Capacity:** 2240 m³	**Type:** Blower **Tightness norm:** IP 68
160777 Axial Fan			
	**Voltage:** 24 **Amp:** 8.4	**OD:** 414 mm **Capacity:** 3315 m³	**Type:** Suction **Tightness norm:** IP 68
160799 Axial Fan			
	**Voltage:** 24 **Amp:** 4	**OD:** 347 mm **Capacity:** 1170 m³	**Type:** Suction **Tightness norm:** IP 68

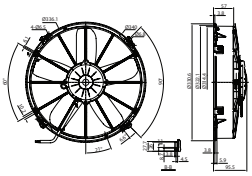
O.E.M. names and numbers are used for reference purposes only.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
160906 Axial Fan			
	**Voltage:** 24 **Amp:** 3.7	**OD:** 247 mm **Capacity:** 1070 m³	**Type:** Suction **Tightness norm:** IP 68
160907 Axial Fan			
	**Voltage:** 24 **Amp:** 5.7	**OD:** 278 mm **Capacity:** 1990 m³	**Type:** Suction **Tightness norm:** IP 68
160908 Axial Fan			
	**Voltage:** 24 **Amp:** 7.1	**OD:** 331 mm **Capacity:** 2760 m³	**Type:** Blower **Tightness norm:** IP 68
160909 Axial Fan			
	**Voltage:** 24 **Amp:** 4.9	**OD:** 382 mm **Capacity:** 2170 m³	**Type:** Suction **Tightness norm:** IP 68
160998 HC-CARGO Axial Fan			
	**Voltage:** 24 **Amp:** 2.5	**OD:** 210.8 mm **Capacity:** 645 m³	**Type:** Suction **Tightness norm:** IP 68
160999 HC-CARGO Axial Fan			
	**Voltage:** 24 **Amp:** 2.5	**OD:** 210.8 mm **Capacity:** 645 m³	**Type:** Blower **Tightness norm:** IP 68
161001 HC-CARGO Axial Fan			
	**Voltage:** 24 **Amp:** 4	**OD:** 284.6 mm **Capacity:** 1437 m³	**Type:** Suction **Tightness norm:** IP 68

O.E.M. names and numbers are used for reference purposes only.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

161004 HC-CARGO Axial Fan



Voltage: 24
Amp: 9

OD: 330.6 mm
Capacity: 2976 m³

Type: Suction
Tightness norm: IP 68

ACCESSORIES

160966 Mounting kit

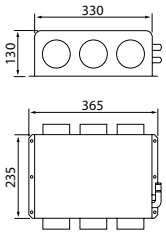
Total length: 180 mm

Washer: w/

CABIN HEATERS

060216 Cabin Heater

The heater has three 75 mm tube connections on the air inlet side. There are also three 75 mm tube connctions on the outlet side. The water connectons can be placed on either side of the heater and also be turned towards either the inlet or the outlet side.



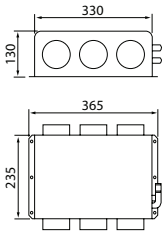
Voltage: 12
Watt/speed 1: 60
Watt/speed 2: 77
Watt/speed 3: 114

Dim.: 330x230x130 mm
Water connection OD: 16 mm
Weight: 6.3 kg
Capacity kW/speed 1: 7.2
Airflow speed 1: 264 m³/h
Capacity kW/speed 2: 9.3
Airflow speed 2: 357 m³/h
Capacity kW/speed 3: 12.2
Airflow speed 3: 504 m³/h
Regulation: Yes

Type: Complete kit
Cabinet: Stainless steel

060220 Cabin Heater

The heater has three 75 mm tube connections on the air inlet side. There are also three 75 mm tube connctions on the outlet side. The water connectons can be placed on either side of the heater and also be turned towards either the inlet or the outlet side. Blower: HC-CARGO 160649.



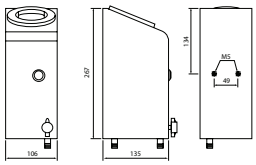
Voltage: 24
Watt/speed 1: 60
Watt/speed 2: 77
Watt/speed 3: 114

Dim.: 330x230x130 mm
Water connection OD: 16 mm
Weight: 6.3 kg
Capacity kW/speed 1: 7.2
Airflow speed 1: 264 m³/h
Capacity kW/speed 2: 9.2
Airflow speed 2: 357 m³/h
Capacity kW/speed 3: 12.2
Airflow speed 3: 504 m³/h
Regulation: Yes

Type: Complete kit
Cabinet: Stainless steel

060222 Cabin Heater

This Cabin heater is easily installed in small off road vehicles or as auxiliary heater in buses and delivery vans. The heating cycle is controlled by means of the built-in 1/4-turn water valve and the built-in switch. Heat-On 1331-12.



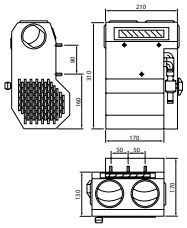
Voltage: 12
Watt/speed 1: 24

Dim.: 267x106x135 mm
Water connection OD: 12 mm
Weight: 3 kg
Capacity kW/speed 1: 1.9
Airflow speed 1: 76 m³/h
Regulation: No

Type: Complete kit
Cabinet: Metal

060223 Cabin Heater

This very powerful cabin heater is used for airrecirculation and has all connections behind a cover allowing hoses and cables to be led in any direction. It has a powerfull fan (230 W), controlled by means of a built-in 1/4-turn water valve. Efficient distribution of the air through the adjustable air vents provides for demisting of the cabin screens w/o the use of extra tubes and nozzles.

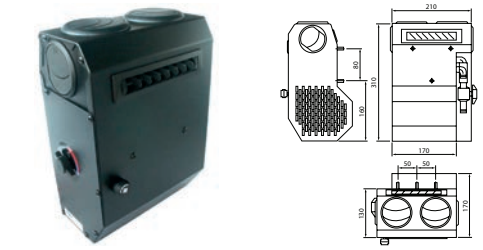
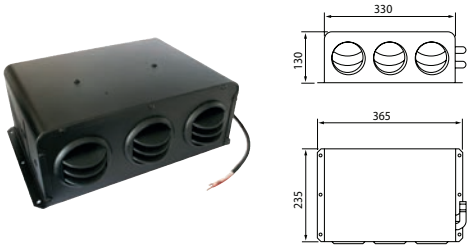
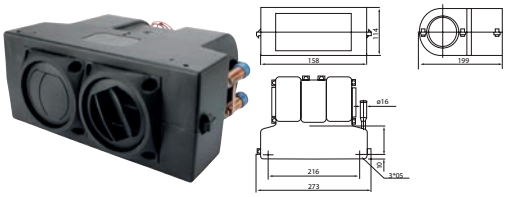


Voltage: 12
Watt/speed 3: 230

Dim.: 310x210x130 mm
Water connection OD: 16 mm
Weight: 5.8 kg
Capacity kW/speed 1: 4.3
Airflow speed 1: 180 m³/h
Capacity kW/speed 2: 6.3
Airflow speed 2: 288 m³/h
Capacity kW/speed 3: 9.2
Airflow speed 3: 468 m³/h
Regulation: Yes

Type: Complete kit
Cabinet: Galvanized steel w/ black polyester

O.E.M. names and numbers are used for reference purposes only.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
060233 Cabin Heater			
	**Voltage:** 24 **Watt/speed 3:** 230	**Dim.:** 310x210x130 mm **Water connection OD:** 16 mm **Weight:** 5.8 kg **Capacity kW/speed 1:** 4.3 **Airflow speed 1:** 180 m³/h **Capacity kW/speed 2:** 6.3 **Airflow speed 2:** 288 m³/h **Capacity kW/speed 3:** 9.2 **Airflow speed 3:** 468 m³/h **Regulation:** Yes	**Type:** Complete kit **Cabinet:** Galvanized steel w/ black polyester
060235 Cabin Heater			
Especially suitable for heating the passenger room in for instance buses.			
	**Voltage:** 24 **Watt/speed 1:** 60 **Watt/speed 2:** 77 **Watt/speed 3:** 114	**Dim.:** 365x235x130 mm **Water connection OD:** 16 mm **Weight:** 6.3 kg **Capacity kW/speed 1:** 7.2 **Airflow speed 1:** 264 m³/h **Capacity kW/speed 2:** 9.3 **Airflow speed 2:** 357 m³/h **Capacity kW/speed 3:** 12.2 **Airflow speed 3:** 504 m³/h **Regulation:** Yes	**Type:** Complete kit **Cabinet:** Metal
060241 Cabin Heater	**Servicing:** Delivery vans, escavators, park tractors		
Radiator: copper/aluminium.			
	**Voltage:** 12 **Watt/speed 2:** 75	**Dim.:** 273x114x199 mm **Water connection OD:** 16 mm **Weight:** 1.7 kg **Capacity kW/speed 2:** 4.3 **Airflow speed 2:** 230 m³/h **Regulation:** Yes	**Type:** Complete kit **Cabinet:** Shockproof plastic

HEATER MOTORS

060059 Cabin Heater Motor			
Heat-on 1531M-2412.			
	Voltage: 12 **Watt:** 24	**Dim.:** 72 mm **Dia.:** 70 mm **Shaft dia.:** 6.35x16 mm **Length:** 63 mm **Speed:** 1-speed	**Mount.:** 3 holes **No./shafts:** 1
060213 Cabin Heater Motor	**Servicing:** HC-CARGO 060210		
Heat-on 1531M-5012.			
	Voltage: 12 **Watt:** 50	**Dia.:** 70 mm **Shaft dia.:** 6.35x16 mm **Length:** 63 mm **Speed:** 2-speed	**Mount.:** 3 holes **No./shafts:** 1 **Fan mounted:** Yes
060214 Cabin Heater Motor	**Servicing:** HC-CARGO 060211		
Heat-on 1531M-5024.			
	Voltage: 24 **Watt:** 50	**Dia.:** 70 mm **Shaft dia.:** 6.35x16 mm **Length:** 63 mm **Speed:** 1-speed	**Mount.:** 3 holes **No./shafts:** 1 **Fan mounted:** Yes

O.E.M. names and numbers are used for reference purposes only.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

CONNECTORS

060229 Round Air Vent

Heat-on 66231.

ID: 70/76 mm
OD: 101 mm

ACCESSORIES

060058 Defroster Set

Servicing: HC-CARGO 060210, 060211

Heat-on 1518.

ID/demister tube connection: 45 mm
ID/demister tube: 40 mm
Demister tube length: 160 cm

Rubber elbows: 2
Demist nozzles: 2

060219 Air Distribution Kit

Servicing: HC-CARGO 060216, 060220

Heat-on 3050-30.

ID/demister tube: 75 mm
Demister tube length: 620 cm

Demist nozzles: 3

060227 Water Valve

Heat-on 2100.

ID/demister tube connection: 16 mm
Demister tube length: 11.2 cm

060237 Demister Tube

ID/demister tube: 50 mm

WIPER SYSTEMS

WIPER ARMS

160022 Wiper Arm

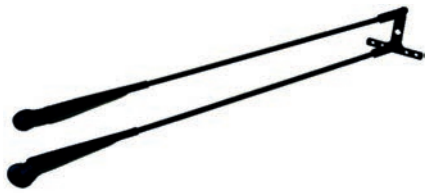
Dim./wiper arm: 8x2 mm
Length: 390 mm
Mount./wiper shaft: 6 mm

Type: Single

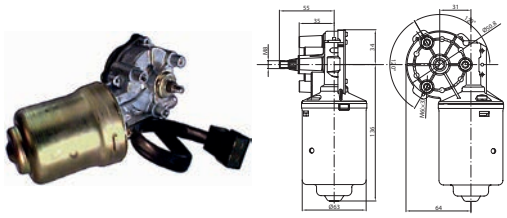
O.E.M. names and numbers are used for reference purposes only.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
160023 Wiper Arm	**Servicing:** Opel		
		Dim./wiper arm: 8x2 mm **Length:** 420 mm **Mount./wiper shaft:** 6 mm	**Type:** Single
160024 Wiper Arm	**Servicing:** Opel		
		Dim./wiper arm: 8x2.5 mm **Length:** 450 mm **Mount./wiper shaft:** 6 mm	**Type:** Single
160256 Wiper Arm			
Wiper motor: HC-CARGO 160258, 160290, 160291, 160357, 160408.			
		Length: 450 mm **Dist./wiper arms:** 57 mm **Mount./wiper shaft:** M6 cone + M8 shaft mm	**Type:** Parallel **Length/adjustable:** No
160257 Wiper Arm			
Usable w/ HC-CARGO 160258, 160290, 160291, 160357, 160408.			
		Length: 400 mm **Dist./wiper arms:** 57 mm **Mount./wiper shaft:** M6 cone + M8 shaft mm	**Type:** Parallel **Length/adjustable:** No
160338 Wiper Arm	**Servicing:** HC-CARGO 160727		
Usable w/ wiper motor: HC-CARGO 160340, 160345.			
		Length: 700 mm **Dist./wiper arms:** 55 mm **Mount./wiper shaft:** 2x8 cone mm	**Type:** Parallel **Length/adjustable:** No
160339 Wiper Arm			
Wiper motor: HC-CARGO 160292, 106293.			
		Length: 400 mm **Dist./wiper arms:** 57 mm **Mount./wiper shaft:** 6+M8 shaft mm	**Type:** Parallel **Length/adjustable:** No
160358 Wiper Arm			
Wiper motor: HC-CARGO 160258, 160290, 160291, 160357, 160408.			
		Length: 500 mm **Dist./wiper arms:** 57 mm **Mount./wiper shaft:** M6 cone + M8 shaft mm	**Type:** Parallel **Length/adjustable:** No

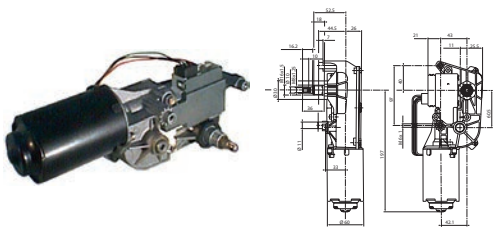
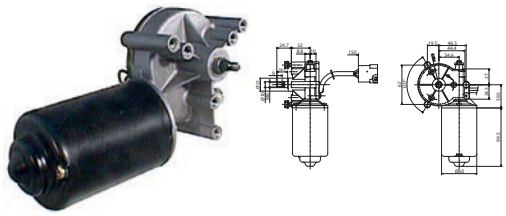
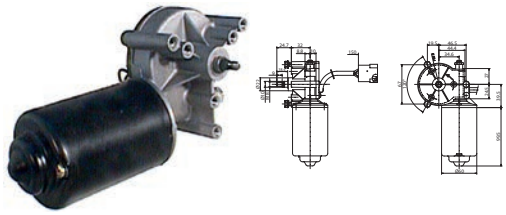
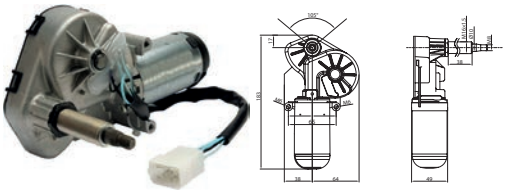
O.E.M. names and numbers are used for reference purposes only.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
160359 Wiper Arm			
Wiper motor: HC-CARGO 160258, 160290, 160291, 160357, 160408.			
		**Length:** 550 mm **Dist./wiper arms:** 57 mm **Mount./wiper shaft:** M6 cone + M8 shaft mm	**Type:** Parallel **Length/adjustable:** No
160484 Wiper Arm			
Usable w/ HC-CARGO 160258, 160480.			
		Length: 340-420 mm **Dist./wiper arms:** 57 mm **Mount./wiper blade:** 9x2.5 mm hook **Mount./wiper shaft:** M8 cone + M8 shaft mm	**Type:** Parallel **Length/adjustable:** Yes
160485 Wiper Arm			
		Length: 430-500 mm **Dist./wiper arms:** 57 mm **Mount./wiper blade:** 9x2.5 mm hook **Mount./wiper shaft:** M8 cone + M8 shaft mm	**Type:** Parallel **Length/adjustable:** Yes
160486 Wiper Arm			
		Length: 340-420 mm **Mount./wiper blade:** 9x3 mm hook **Mount./wiper shaft:** M8 cone mm	**Type:** Single **Length/adjustable:** Yes
160487 Wiper Arm			
		Length: 430-500 mm **Mount./wiper blade:** 9x3 mm hook **Mount./wiper shaft:** M8 cone mm	**Type:** Single **Length/adjustable:** Yes
160571 Wiper Arm			
		Length: 680 mm **Dist./wiper arms:** 60 mm **Mount./wiper shaft:** 2x8 cone mm	**Type:** Parallel **Length/adjustable:** No

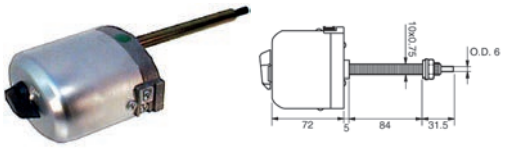
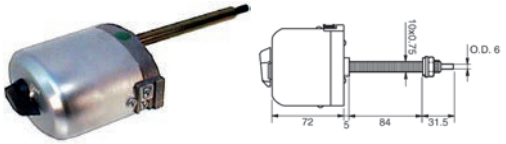
WIPER MOTORS

160150 Wiper Motor	**Servicing:** Fiat 127, Lada 2101		
	**Voltage:** 12		**Type:** OE

O.E.M. names and numbers are used for reference purposes only.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
160376 Wiper Motor	**Servicing:** Fiat Uno		
	**Voltage:** 12	**Shaft length:** 10 mm **Wiper angle:** 138°	**Type:** OE **Position:** Front windscreen **Wiper shaft:** w/ 1 Shaft **Built in switch:** Yes **Auto stop:** Yes
160395 Wiper Motor	**Servicing:** Nissan Patrol 86-93		
	**Voltage:** 12		**Type:** OE **Position:** Rear windscreen **Wiper shaft:** w/ 1 M8 Shaft **Auto stop:** No
160396 Wiper Motor	**Servicing:** Nissan Patrol 86-93		
	**Voltage:** 24		**Type:** OE **Position:** Rear windscreen **Wiper shaft:** w/ 1 M8 Shaft **Auto stop:** No
160671 Wiper Motor	**Servicing:** Citroen, Fiat, Peugeot		
	Voltage: 12		**Type:** OE **Position:** Front windscreen
160881 Wiper Motor	**Servicing:** TEREX/SCHAEFF 5388665196		
	**Voltage:** 12	**Shaft length:** 38 mm	**Type:** OE **Wiper shaft:** w/ 1 Shaft **Built in switch:** No **Auto stop:** Yes **Auto stop/placement:** Left side

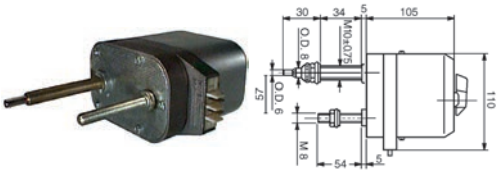
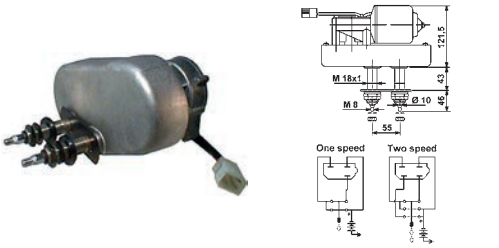
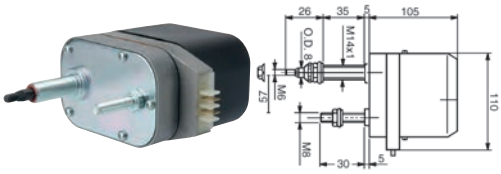
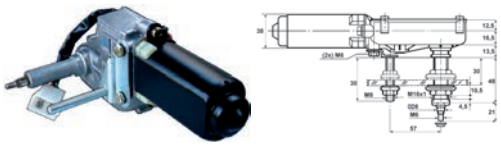
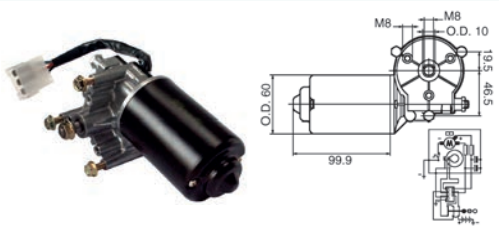
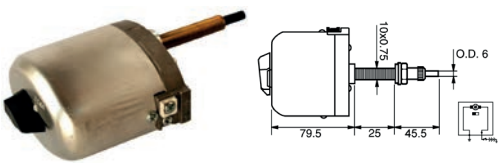
UNIVERSAL

160031 Wiper Motor			
Fitted w/ an interchangeable bearing allowing the shaft to be cut in any size.			
	**Voltage:** 12	**Wiper angle:** 85°	**Type:** Universal **Built in switch:** Yes **Auto stop:** No
160032 Wiper Motor			
Fitted w/ an interchangeable bearing allowing the shaft to be cut in any size.			
	**Voltage:** 24	**Wiper angle:** 85°	**Type:** Universal **Built in switch:** Yes **Auto stop:** No

O.E.M. names and numbers are used for reference purposes only.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
160033 Wiper Motor *Fitted w/ an interchangeable bearing allowing the shaft to be cut in any size.*	**Voltage:** 12	**Wiper angle:** 110°	**Type:** Universal **Built in switch:** Yes **Auto stop:** No
160034 Wiper Motor *Fitted w/ an interchangeable bearing allowing the shaft to be cut in any size.*	**Voltage:** 24	**Wiper angle:** 110°	**Type:** Universal **Built in switch:** Yes **Auto stop:** Yes
160258 Wiper Motor *w/ reciprocating shaft.*	**Voltage:** 12	**Dist./shafts:** 57 mm **Wiper angle:** 95°	**Type:** Universal **Wiper shaft:** w/ 2 shafts for parallelogram **Built in switch:** No **Auto stop:** Yes
160290 Wiper Motor *w/ reciprocating shaft.*	**Voltage:** 12	**Dist./shafts:** 57 mm **Wiper angle:** 95°	**Type:** Universal **Wiper shaft:** w/ 2 shafts for parallelogram **Built in switch:** No **Auto stop:** Yes **Auto stop/placement:** Left side
160291 Wiper Motor *w/ reciprocating shaft.*	**Voltage:** 24	**Dist./shafts:** 57 mm **Wiper angle:** 95°	**Type:** Universal **Wiper shaft:** w/ 2 shafts for parallelogram **Auto stop:** Yes **Auto stop/placement:** Left side
160292 Wiper Motor *w/ reciprocating shaft.*	**Voltage:** 12	**Dist./shafts:** 57 mm **Wiper angle:** 110°	**Type:** Universal **Wiper shaft:** w/ 2 shafts for parallelogram **Built in switch:** Yes **Auto stop:** No

O.E.M. names and numbers are used for reference purposes only.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
160293 Wiper Motor *w/ reciprocating shaft.*			
	**Voltage:** 24	**Dist./shafts:** 57 mm **Wiper angle:** 110°	**Type:** Universal **Wiper shaft:** w/ 2 shafts for parallelogram **Built in switch:** Yes **Auto stop:** No
160345 Wiper Motor			
	**Voltage:** 24	**Dist./shafts:** 55 mm **Wiper angle:** 80°	**Type:** Universal **Position:** Front **Wiper shaft:** w/ 2 shafts for parallelogram **Auto stop:** Yes **Auto stop/placement:** Left side
160357 Wiper Motor *w/ reciprocating shaft.*			
	**Voltage:** 12	**Dist./shafts:** 57 mm **Wiper angle:** 90°	**Type:** Universal **Wiper shaft:** w/ 2 shafts for parallelogram **Built in switch:** Yes **Auto stop:** No
160408 Wiper Motor *w/ reciprocating shaft.*			
	**Voltage:** 24	**Dist./shafts:** 57 mm **Wiper angle:** 95°	**Type:** Universal **Wiper shaft:** w/ 2 shafts for parallelogram **Auto stop:** Yes
160503 Wiper Motor			
	**Voltage:** 12		**Type:** Universal **Built in switch:** No **Auto stop:** Yes
160504 Wiper Motor			
	Voltage: 24		**Type:** Universal **Auto stop:** Yes
160506 Wiper Motor *Moment: 0.8 NM.*			
	**Voltage:** 12	**Wiper angle:** 110°	**Type:** Universal **Wiper shaft:** w/ 1 Shaft **Built in switch:** Yes

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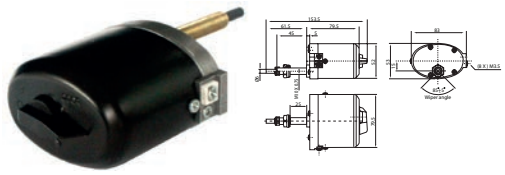
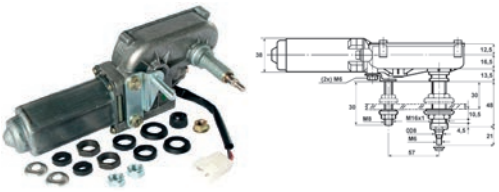
	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
160558 Wiper Motor *Black motor.*			
	**Voltage:** 12	**Wiper angle:** 85°	**Type:** Universal **Position:** Rear windscreen **Wiper shaft:** w/ 1 Shaft **Built in switch:** Yes
160659 Wiper Motor *1 speed.*			
	Voltage: 12	**Dist./shafts:** 57 mm **Wiper angle:** 85°	**Type:** Universal **Wiper shaft:** w/ 1 M6 Shaft **Built in switch:** No **Auto stop:** Yes
160725 Wiper Motor			
	**Voltage:** 12	**Dist./shafts:** 57 mm **Wiper angle:** 90°	**Type:** Universal **Wiper shaft:** w/ 2 M8 shafts for parallelogram **Built in switch:** Yes **Auto stop:** Yes **Auto stop/placement:** Right side

WINDSCREEN WASHERS

KITS

160186 Washer Kit *Pump: HC-CARGO 160386.*			
	Voltage: 12	**Dim.:** 190x130x100 mm **Can capacity:** 1.2 l **Capacity:** 140 ml/min	**Type:** Complete kit **Can:** w/
160273 Washer Kit *Pump: HC-CARGO 160630.*			
	Voltage: 24	**Dim.:** 190x130x100 mm **Can capacity:** 1.2 l	**Type:** Complete kit **Can:** w/

TANKS

12 V

160187 Washer Tank *Washer pump: HC-CARGO 160360.*			
	Voltage: 12	**Dim.:** 207x200x100 mm **Can capacity:** 3 l	**Type:** Can **Motor:** w/

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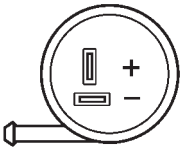
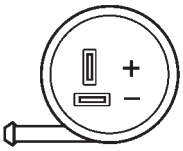
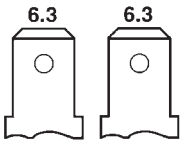
	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
160973 Washer Tank 12 V			
Washer pump: HC-CARGO 160386.			
	Voltage: 12	**Dim.:** 190x130x100 mm **Can capacity:** 1.2 l	**Type:** Can

24 V

160188 Washer Tank			
Washer pump: HC-CARGO 160360.			
	Voltage: 24	**Can capacity:** 3 l	**Type:** Can **Motor:** w/
160967 Washer Tank			
Doga ref. 232.2001.30.00.			
	Voltage: 24	**Can capacity:** 2.1 l	**Type:** Can **Can:** w/ pump

PUMPS

160197 Washer Pump	**Servicing:** Porsche, Volvo, Volkswagen, Alfa Romeo, Audi, BMW, Fiat, Ford, Lancia, Mercedes-Benz, Opel, Porsche, Saab, Seat		
	**Voltage:** 12	**Capacity:** 2400 ml/min	**Type:** Standard **Pump type:** Single
160198 Washer Pump	**Servicing:** Scania, Mercedes-Benz		
	**Voltage:** 24	**Capacity:** 2400 ml/min	**Type:** Universal **Pump type:** Single
160223 Washer Pump	**Servicing:** Peugeot 104, 504		
For independent mounting in engine compartment.			
	**Voltage:** 12	**Capacity:** 1500 ml/min	**Type:** Universal **Pump type:** Single

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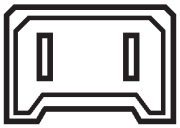
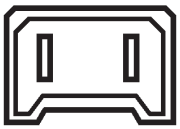
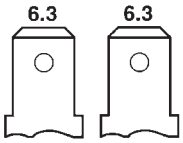
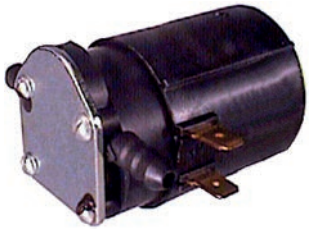
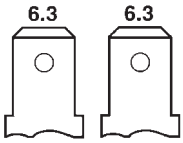
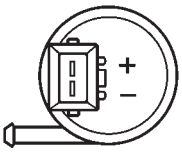
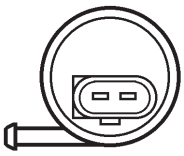
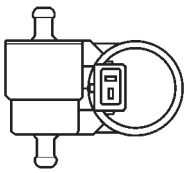
	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
160289 Washer Pump	**Servicing:** Peugeot, Citroen, Renault		
	**Voltage:** 24	**Capacity:** 1500 ml/min	**Pump type:** Single
160332 Washer Pump	**Servicing:** Peugeot, Citroen, Renault		
	**Voltage:** 12	**Capacity:** 1500 ml/min	**Pump type:** Single
160360 Washer Pump	**Servicing:** Rover Group, Honda		
	**Voltage:** 12	**Capacity:** 1400 ml/min	**Type:** Universal **Pump type:** Single
160361 Washer Pump	**Servicing:** Skoda Favorit		
Replacing original pump 115930290 on Skoda Favorit.			
 	**Voltage:** 12	**Capacity:** 1200 ml/min	**Type:** Standard **Pump type:** Single
160378 Washer Pump	**Servicing:** Ford, Opel, Seat, VW		
	**Voltage:** 12	**Capacity:** 2200 ml/min	**Pump type:** Single
160379 Washer Pump	**Servicing:** Mercedes-Benz		
	**Voltage:** 12	**Capacity:** 2200 ml/min	**Type:** Standard **Pump type:** Single
160380 Washer Pump	**Servicing:** VW, Opel, Seat, Ford		
	**Voltage:** 12	**Capacity:** 2400 ml/min	**Type:** Universal **Pump type:** Dual

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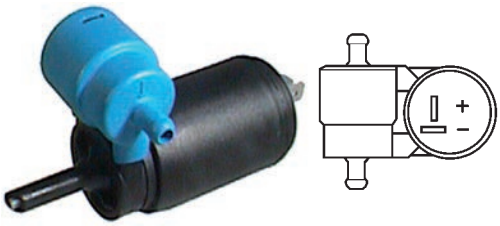
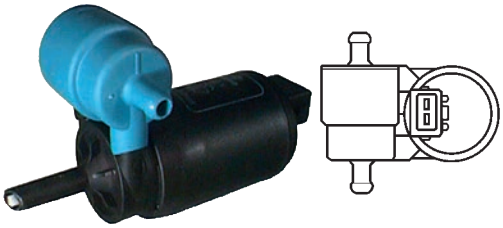
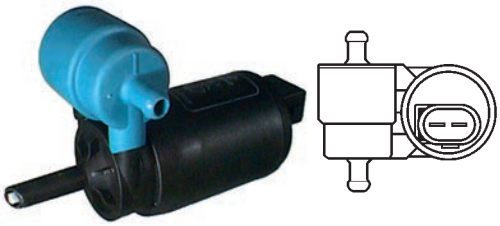
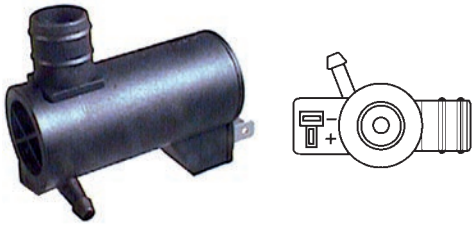
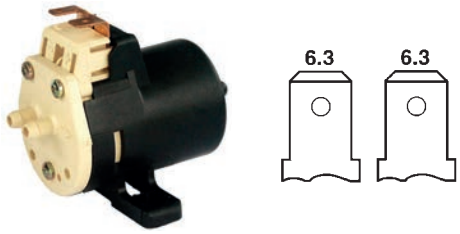
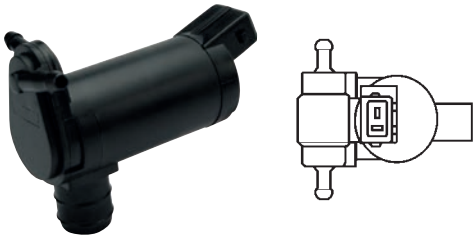
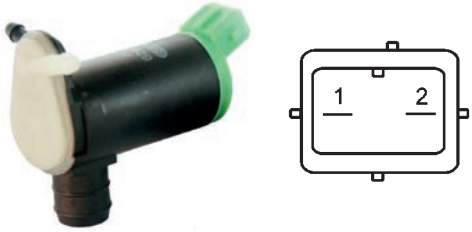
	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
160381 Washer Pump	**Servicing:** Fiat, Vauxhall, Audi, Ford, Opel, VW, Wartburg		
	**Voltage:** 12	**Capacity:** 2000 ml/min	**Type:** Universal **Pump type:** Dual
160382 Washer Pump	**Servicing:** Opel, Seat, VW		
	**Voltage:** 12	**Capacity:** 2400 ml/min	**Type:** Universal **Pump type:** Dual
160383 Washer Pump	**Servicing:** VW, Smart, Seat, Audi, BMW		
	**Voltage:** 12	**Capacity:** 2200 ml/min	**Type:** Universal **Pump type:** Dual
160386 Washer Pump	**Servicing:** Honda Accort, Peugeot (UK), Ford		
	**Voltage:** 12	**Capacity:** 1800 ml/min	**Type:** Universal **Pump type:** Single
160507 Washer Pump			
	**Voltage:** 24	**Capacity:** 1500 ml/min	**Type:** Universal **Pump type:** Single
160535 Washer Pump	**Servicing:** Daihatsu, Ford, Mazda		
	**Voltage:** 12	**Capacity:** 1800 ml/min	**Type:** Standard **Pump type:** Dual
160629 Washer Pump	**Servicing:** Citroen, Fiat, Peugeot		
	**Voltage:** 12	**Capacity:** 1700 ml/min	**Type:** Standard **Pump type:** Dual

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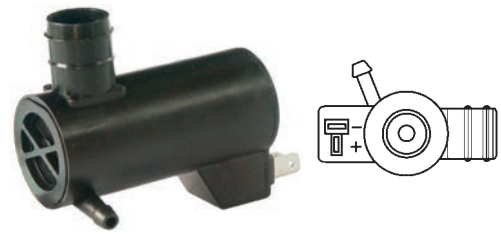
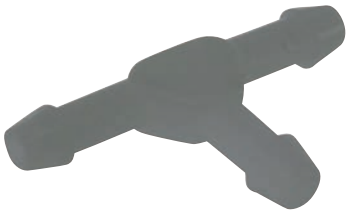
	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
160630 Washer Pump *HC-CARGO 160273.*			
	**Voltage:** 24	**Capacity:** 1800 ml/min	**Type:** Universal **Pump type:** Single
160677 Washer Pump	**Servicing:** Daewoo, Hyundai, Kia, Mazda, Mitsubishi, Toyota		
	Voltage: 12	**Capacity:** 2000 ml/min	**Type:** Standard **Pump type:** Single
160679 Washer Pump	**Servicing:** Mercedes-Benz		
	Voltage: 12	**Capacity:** 2100 ml/min	**Type:** Standard **Pump type:** Single
160680 Washer Pump	**Servicing:** BMW		
	Voltage: 12	**Capacity:** 2300 ml/min	**Type:** Standard **Pump type:** Single
160681 Washer Pump	**Servicing:** Audi		
	Voltage: 12	**Capacity:** 2400 ml/min	**Type:** Standard **Pump type:** Single
160682 Washer Pump	**Servicing:** Audi		
	Voltage: 12	**Capacity:** 2400 ml/min	**Type:** Standard **Pump type:** Dual
160683 Washer Pump	**Servicing:** Audi, BMW, Mercedes-Benz, Seat, Skoda, VW		
	Voltage: 12	**Capacity:** 2200 ml/min	**Type:** Standard **Pump type:** Dual

O.E.M. names and numbers are used for reference purposes only.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

CONNECTIONS

160195 T-Connection



OD: 4 mm

Valve: w/o

160413 Pipe Connector

For hose I.D. 4 mm.

OD: 8 mm
Length: 32 mm

Valve: w/

RADIO ACCESSORIES

CAPACITORS

FOR CAR RADIOS

150100 Capacitor

For car radios.

El. capacitance: 2.2 µF

Length: 100 mm

Type: Universal
Mount. bracket: Straight
Plug: Straight
Cable: w/

150101 Capacitor

For car radios.

El. capacitance: 2.2 µF

Length: 80 mm

Type: Universal
Mount. bracket: Angled
Plug: Angled
Cable: w/

150407 Capacitor

For car radios.

El. capacitance: 2.2 µF

Length: 40 mm

Type: Universal
Mount. bracket: Angled
Plug: Angled
Cable: w/

150408 Capacitor

For car radios.

El. capacitance: 2.2 µF

Length: 100 mm

Type: Universal
Mount. bracket: Angled
Plug: Ring
Cable: w/

O.E.M. names and numbers are used for reference purposes only.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

LOUDSPEAKER IN CABINET

040197 Speakers

Watt: 20/40
Ohm: 4

Length: 97 mm
Depth: 95 mm
Width: 95 mm

Cabinet: Yes
Mount. bracket: w/
Unit: Set

LOUDSPEAKER BUILT-IN

040193 Speakers

70-23000 Hz.

Watt: 150
Ohm: 4

ID/hole: 95 mm
Depth: 50 mm
Dist./mount. holes 1: 80 mm
Dist./mount. holes 2: 115 mm
Width: 100 mm

Type: Built-in
System: 2 way
Grill: w/
Unit: Set

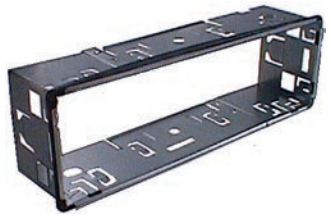
RADIO MOUNTING KITS

040149 Radio Box

Colour: Black
Material: Acrylic
Mount. bracket: Pendant
Integral front: Yes

040170 Radio Mounting Kit

Galvanized. w/ gasket.



Integral front: Yes

DASHBOARD GAUGES

AMMETER

160697 Ammeter

White figures.

Voltage: 12-24

OD: 52 mm

Mount. type: Hook fastening
Colour: Black
Measuring range: 30-0-30
Measuring unit: A

160698 Ammeter

White figures.

Voltage: 12-24

OD: 52 mm

Mount. type: Hook fastening
Colour: Black
Measuring range: 60-0-60
Measuring unit: A

O.E.M. names and numbers are used for reference purposes only.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

VOLTMETER

160695 Voltmeter

White figures.

Voltage: 8-16

OD: 52 mm

Mount. type: Hook fastening
Colour: Black
Measuring range: 8-16
Measuring unit: v

160696 Voltmeter

White figures.

Voltage: 16-32

OD: 52 mm

Mount. type: Hook fastening
Colour: Black
Measuring range: 16-32
Measuring unit: v

HOUR METER

160702 Hour Meter

w/o illumination. IP65.

Voltage: 12-28

OD: 52 mm

Type: Mechanical
Mount. type: Hook fastening
Colour: Black
Measuring unit: Timer

160747 Hour Meter

w/o illumination.

Voltage: 10-28

OD: 36.5x25 mm

Type: Electrical operated
Colour: Black
Measuring unit: Timer

160897 Hour Meter

Digital.

Voltage: 10-28

OD: 52 mm

Type: Electrical operated
Mount. type: Hook fastening
Colour: Black
Measuring unit: Timer
Digital: Yes

FUEL GAUGES

160701 Fuel Gauge

10-180 Ohm.

Voltage: 12

OD: 52 mm

Mount. type: Hook fastening
Colour: Black
Measuring unit: l
Sender: w/

O.E.M. names and numbers are used for reference purposes only.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
160872 Fuel Gauge			
	Voltage: 24	**OD:** 52 mm	**Mount. type:** Hook fastening **Colour:** Black **Measuring unit:** l **Sender:** w/
160873 Fuel Gauge	**Servicing:** HC-CARGO 160701, 160872		
	Voltage: 12/24		

WATER TEMP. GAUGES

160699 Water Temp. Gauge			
Transmitter 1/8" NPTF: HC-CARGO 160786.			
	Voltage: 12	**OD:** 52 mm	**Type:** Electrical operated **Mount. type:** Hook fastening **Colour:** Black **Measuring range:** 40-120 **Measuring unit:** C° **Sender:** w/
160778 Water Temp. Gauge			
Transmitter 1/8" NPTF: HC-CARGO 160786.			
	Voltage: 24	**OD:** 52 mm	**Type:** Electrical operated **Mount. type:** Hook fastening **Colour:** Black **Measuring range:** 40-120 **Measuring unit:** v **Sender:** w/

OIL PRESSURE GAUGES

160700 Electrical Oil Pressure Gauge			
Transmitter 1/8" NPTF: HC-CARGO 160787.			
	Voltage: 12	**OD:** 52 mm	**Type:** Electrical operated **Mount. type:** Hook fastening **Colour:** Black **Measuring range:** 0-10 **Measuring unit:** Bar **Sender:** w/
160779 Oil Pressure Gauge			
Transmitter 1/8" NPTF: HC-CARGO 160787.			
	Voltage: 24	**OD:** 52 mm	**Type:** Electrical operated **Mount. type:** Hook fastening **Colour:** Black **Measuring range:** 0-10 **Sender:** w/

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O.E.M. names and numbers are used for reference purposes only.

Workshop Consumables

Edition 2015/2016

ISO 9001
BUREAU VERITAS
Certification

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

BATTERY TERMINALS

BRASS CASTING

25-35 mm²

192368 Battery Terminal

Length: 46 mm

Material: Moulded brass

192369 Battery Terminal

Length: 46 mm

Material: Moulded brass

W/ 10 mm BOLT

192400 Battery Terminal

Length: 54 mm

Material: Moulded brass

192401 Battery Terminal

Length: 54 mm

Material: Moulded brass

TIN PLATED

190213 Battery Terminal

ID: 18.5 mm

Material: Moulded brass

190214 Battery Terminal

ID: 15.9 mm

Material: Moulded brass

O.E.M. names and numbers are used for reference purposes only.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

W/ M6 BOLT AND WING NUT

TIN PLATED

191134 Battery Terminal

w/ wing nut.

ID: 15.9 mm

Material: Moulded brass

W/ M10 BOLT AND WING NUT

192402 Battery Terminal

w/ wing nut.

Length: 54 mm

Material: Moulded brass

192403 Battery Terminal

w/ wing nut.

Length: 54 mm

Material: Moulded brass

TIN PLATED

191133 Battery Terminal

w/ wing nut.

ID: 18.5 mm

Material: Moulded brass

25 mm²

192163 Battery Terminal

ID: 19 mm

Material: Moulded brass

192164 Battery Terminal

ID: 17 mm

Material: Moulded brass

O.E.M. names and numbers are used for reference purposes only.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
W/ SWITCH			
192493 Battery Terminal			
			Material: Moulded brass **Switch:** w/
16-35 mm²			
TIN PLATED			
190012 Battery Terminal			
		ID: 18.5 mm	**Material:** Moulded brass
190013 Battery Terminal			
		ID: 15.9 mm	**Material:** Moulded brass
190211 Battery Terminal	**Servicing:** Fiat, Mazda, Suzuki, Nissan		
		ID: 13 mm	**Material:** Moulded brass
190212 Battery Terminal	**Servicing:** Fiat, Mazda, Suzuki, Nissan		
		ID: 11.2 mm	**Material:** Moulded brass
35-70 mm²			
TIN PLATED			
191166 Battery Terminal			
		ID: 18.5 mm	**Material:** Moulded brass

O.E.M. names and numbers are used for reference purposes only.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
191167 Battery Terminal			
		ID: 15.9 mm	**Material:** Moulded brass
35-95 mm²			
TIN PLATED			
193000 Battery Terminal			
Heavy duty.			
		ID: 18.5 mm	**Material:** Moulded brass
193001 Battery Terminal			
Heavy duty.			
		ID: 15.9 mm	**Material:** Moulded brass
TIN PLATED W/DOUBLE SCREW			
190866 Battery Terminal			
w/ double screws and screw for AUX.			
		ID: 18.5 mm	**Material:** Moulded brass
190867 Battery Terminal			
w/ double screws and screw for AUX.			
		ID: 15.9 mm	**Material:** Moulded brass
35 mm²			
TIN PLATED			
191244 Battery Terminal			
		ID: 18.5 mm	**Material:** Moulded brass

O.E.M. names and numbers are used for reference purposes only.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
191245 Battery Terminal			
		ID: 15.9 mm	**Material:** Moulded brass
50 mm²			
TIN PLATED			
190202 Battery Terminal			
		ID: 18.5 mm	**Material:** Moulded brass
190203 Battery Terminal			
		ID: 15.9 mm	**Material:** Moulded brass
70 mm²			
TIN PLATED			
191989 Battery Terminal			
		ID: 18.5 mm	**Material:** Moulded brass
191990 Battery Terminal			
		ID: 15.9 mm	**Material:** Moulded brass
193166 Battery Terminal			
		Length: 50 mm	**Material:** Moulded brass
193167 Battery Terminal			
		Length: 50 mm	**Material:** Moulded brass

O.E.M. names and numbers are used for reference purposes only.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

ACCESSORIES

190215 Nut & Bolt

Thread size: M8

Material: Moulded brass

192681 Terminal Cover

Length: 52 mm
Width: 35 mm

Colour: Red
Material: PVC

192682 Terminal Cover

Length: 52 mm
Width: 35 mm

Colour: Black
Material: PVC

192888 Terminal Cover Right +

Length: 52 mm
Height: 22 mm
Width: 35 mm

Colour: Red
Material: PVC

192889 Terminal Cover Left -

Length: 52 mm
Height: 22 mm
Width: 35 mm

Colour: Black
Material: PVC

192890 Terminal Cover Left -

Length: 52 mm
Height: 22 mm
Width: 35 mm

Colour: Red
Material: PVC

192891 Terminal Cover Right -

Length: 52 mm
Height: 22 mm
Width: 35 mm

Colour: Black
Material: PVC

O.E.M. names and numbers are used for reference purposes only.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

FORMPRESSED

25-40 mm²

17 MM

192075 Battery Terminal

ID: 17 mm

Material: Compressed

192076 Battery Terminal

For M8 stud connection.

ID: 17 mm

Material: Compressed

19 mm

191820 Battery Terminal

Terminal: HC-CARGO 191822, -827.

ID: 19 mm

Material: Compressed

3 TERMINAL OUTLETS

191821 Battery Terminal

Terminal: HC-CARGO 191822, -829.

ID: 19 mm

Material: Compressed

192234 Battery Terminal

Terminal: HC-CARGO 191822, -829.

ID: 17 mm

Material: Compressed

10-20 mm²

17 mm

192074 Battery Terminal

ID: 17 mm

Material: Compressed

O.E.M. names and numbers are used for reference purposes only.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

FOR FRENCH APPLICATIONS

190253 Battery Terminal	**Servicing:** French applications		
		ID: 19 mm	**Colour:** Red **Material:** Compressed
190254 Battery Terminal	**Servicing:** French applications		
		ID: 17 mm	**Colour:** Green **Material:** Compressed

LEADS AND EARTH STRAPS

190218 Battery Connection Cable			
		Length: 300 mm	**No./wires:** 1008/0.2
190220 Earth Strap			
	Amp: 110	**Length:** 200 mm	**No./wires:** 432/0.26
190221 Earth Strap			
	Amp: 110	**Length:** 250 mm	**No./wires:** 432/0.26
190222 Earth Strap			
	Amp: 110	**Length:** 300 mm	**No./wires:** 432/0.26
190223 Earth Strap			
	Amp: 110	**Length:** 350 mm	**No./wires:** 432/0.26

O.E.M. names and numbers are used for reference purposes only.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
190224 Earth Strap			
	Amp: 110	**Length:** 400 mm	**No./wires:** 432/0.26
190225 Earth Strap			
	Amp: 110	**Length:** 400 mm	**No./wires:** 432/0.26
190226 Earth Strap			
	Amp: 110	**Length:** 500 mm	**No./wires:** 432/0.26
190228 Earth Strap			
	Amp: 82	**Length:** 200 mm	**No./wires:** 228/0.25
190229 Earth Strap			
	Amp: 82	**Length:** 250 mm	**No./wires:** 228/0.25
190230 Earth Strap			
	Amp: 82	**Length:** 350 mm	**No./wires:** 228/0.25
190231 Earth Strap			
	Amp: 82	**Length:** 400 mm	**No./wires:** 228/0.25

O.E.M. names and numbers are used for reference purposes only.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
190232 Earth Strap			
	Amp: 82	**Length:** 450 mm	**No./wires:** 228/0.25
190235 Starter Cable			
		Length: 300 mm	**No./wires:** 742/0.2
190237 Starter Cable			
		Length: 500 mm	**No./wires:** 742/0.2
190239 Starter Cable			
		Length: 700 mm	**No./wires:** 742/0.2
190242 Starter Cable			
		Length: 1000 mm	**No./wires:** 742/0.2
191679 Battery Connection Cable			
		Length: 300 mm	**No./wires:** 378/0.41

O.E.M. names and numbers are used for reference purposes only.

INDUSTRIAL BATTERY CONNECTORS

50 AMPERE

CB50	HC-CARGO	Max V	Amp	Temp. class °C	Colour	Cable size	Terminals	Handle	Dust cap
	180530	600	50	-40 - +125	Grey	6 mm²	180535	180548	180516
	180531	600	50	-40 - +125	Red	6 mm²	180535	180548	180516
	180532	600	50	-40 - +125	Black	6 mm²	180535	180548	180516
	180381	600	50	-40 - +125	Grey	16 mm²	180390	180548	180516
	180382	600	50	-40 - +125	Red	16 mm²	180390	180548	180516
	180383	600	50	-40 - +125	Black	16 mm²	180390	180548	180516

SPARE PARTS

180390 Terminals — **Servicing:** HC-CARGO 180381, -382, -383

Voltage: 600
Amp: 50
Cable dim.: 16 mm²

180535 Terminals — **Servicing:** HC-CARGO 180530, -531, -532

Voltage: 600
Amp: 50
Cable dim.: 6 mm²

ACCESSORIES

180548 Handle — **Servicing:** HC-CARGO 180381, -382, -383, -530, -531, -532

Colour: Red

181516 Dust Cap — **Servicing:** CB50

80 AMPERE

NF80	HC-CARGO	Max V	Amp	Temp. class	Colour	Heding type	Cable size
	180542	150	80	-20°C - +90°C	Black	Female	25 mm²
	180543	150	80	-20°C - +90°C	Black	Male	25 mm²
	180562	150	80	-20°C - +90°C	Black	Female	16 mm²
	180563	150	80	-20°C - +90°C	Black	Male	16 mm²

O.E.M. names and numbers are used for reference purposes only.

100 AMPERE

CB100	HC-CARGO	Max V	Amp	Temp. class	Colour	Heding type	Cable size	Handle
	181501	150	100	-20°C - +90°C	Black	Female	16 mm²	181505 (R)
	181502	150	100	-20°C - +90°C	Black	Male	16 mm²	181505 (R)
	181503	150	100	-20°C - +90°C	Black	Female	25 mm²	181505 (R)
	181504	150	100	-20°C - +90°C	Black	Male	25 mm²	181505 (R)

ACCESSORIES

181505 Handle — **Servicing:** HC-CARGO 181501, 181502, 181503, 181504

Colour: Red

160 AMPERE

CB160	HC-CARGO	Max V	Amp	Temp. class °C	Colour	Heading type	Cable size	Reducing bush	Handle
	181519	150	160	-20 - +90	Black	Female	50 mm²	181521	180380 (B)
	181520	150	160	-20 - +90	Black	Male	50 mm²	181521	Already present

ACCESSORIES

180380 Handle — **Servicing:** HC-CARGO 180395, 180396, 181519, 181520

Colour: Black

181521 Reducer Kit — **Servicing:** HC-CARGO 181519, 181520

Voltage: 150
Amp: 160
Cable dim.: 50/35 mm²

175 AMPERE

CB175	HC-CARGO	Max V	Amp	Temp. class °C	Colour	Cable size	Terminals	Handle	Dust cap
	180533	600	175	-40 - +125	Grey	35 mm²	180536	180549 (G) 180391 (R)	180517
	180534	600	175	-40 - +125	Red	35 mm²	180536	180549 (G) 180391 (R)	180517
	180384	600	175	-40 - +125	Grey	50 mm²	180392	180549 (G) 180391 (R)	180517
	180385	600	175	-40 - +125	Red	50 mm²	180392	180549 (G) 180391 (R)	180517
	180537	600	175	-40 - +125	Grey	50 mm²	180554	180549 (G) 180391 (R)	
	180538	600	175	-40 - +125	Red	50 mm²	180554	180549 (G) 180391 (R)	

O.E.M. names and numbers are used for reference purposes only.

SPARE PARTS

180392 Terminals — **Servicing:** HC-CARGO 180384, -385

Voltage: 600
Amp: 175
Cable dim.: 50 mm²

180536 Terminals — **Servicing:** HC-CARGO 180533, 180534

Voltage: 600
Amp: 175
Cable dim.: 35 mm²

180554 Terminals — **Servicing:** HC-CARGO 180537, -538

Voltage: 600
Amp: 175
Cable dim.: 50 mm²

ACCESSORIES

180391 Handle — **Servicing:** HC-CARGO 180533, -534, -537, -538, -384, -385

Colour: Red

180549 Handle — **Servicing:** HC-CARGO 180533, -534, -537, -538, -384, -385

Colour: Grey

181517 Dust Cap — **Servicing:** CB175

250 AMPERE

Y250	HC-CARGO	Max V	Amp	Colour	Heading type	Cable size	Terminals	Handle	Self close lid
	180580	150	250	Yellow	Male	50 mm²	180582	180328	181329
	180581	250	250	Black	Female	50 mm²	180583	180328	181329

O.E.M. names and numbers are used for reference purposes only.

SPARE PARTS

181605 Terminals — **Servicing:** HC-CARGO 180581

Amp: 250 — **Gender:** Female

181606 Terminals — **Servicing:** HC-CARGO 180580

Amp: 250 — **Gender:** Male

ACCESSORIES

180582 Terminals — **Servicing:** HC-CARGO 180580

Single delivered.

Amp: 250 — **Gender:** Male

180583 Terminals — **Servicing:** HC-CARGO 180581

Single delivered.

Amp: 250 — **Gender:** Female

181328 Rubber Boot — **Servicing:** HC-CARGO 180580

Protection degree: IP 66

181329 Lid — **Servicing:** HC-CARGO 180581

Self-closed.

181594 Joint interfacial — **Servicing:** HC-CARGO 180580

300 AMPERE

E300	HC-CARGO	Max V	Amp	Colour	Cable size	
	180575	250	300	Yellow	70 mm²	w/ brazed solid silver tip
	180577	250	300	Yellow	70 mm²	w/ brazed solid silver tip

320 AMPERE

	HC-CARGO	Max V	Amp	Temp. class	Colour	Heading type	Cable size	Aux terminals
	180395	150	320	-20 °C - +90 °C	Black	Female	90/70 mm²	180550
	180396	150	320	-20 °C - +90 °C	Black	Female	90/70 mm²	

ACCESSORIES

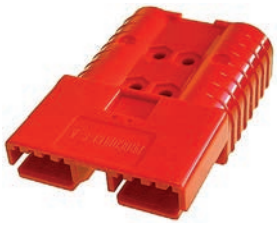
180616 Terminals — **Servicing:** HC-CARGO 180395

Voltage: 150
Amp: 160
Type: Female

INDUSTRIAL BATTERY CONNECTORS

350 AMPERE

	HC-CARGO	Max V	Amp	Temp. class	Colour	Heading type	Cable size	Handle
	180386	600	350	-40 °C - +125 °C	Grey	Female	70 mm²	180550 (G)
	180387	600	350	-40 °C - +125 °C	Red	Female	70 mm²	180550 (G)

	HC-CARGO	Max V	Amp	Temp. class	Colour	Heading type	Cable size	Handle
	**180551**	600	350	-40 °C - +125 °C	Grey	Female	70 mm²	180550 (G)
	180552	600	350	-40 °C - +125 °C	Red	Female	70 mm²	180550 (G)

ACCESSORIES

180550 Handle — **Servicing:** HC-CARGO 180386, -387, 180551, -552

Colour: Grey

O.E.M. names and numbers are used for reference purposes only.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

PLUGS & SOCKETS

DIN AND CIGARETTE LIGHTER

160294 Cigarette Lighter — **Servicing:** Alfa Romeo, Audi, Opel, VW

Universal.

Voltage: 12

Light: w/o

160300 Cigarette Lighter

Universal.

Voltage: 12

Light: w/

SOCKETS

160409 Lighter Socket

Universal.

Voltage: 12-24
Amp: 20

Light: w/o
Cap: w/
Resistor: w/o

180038 DIN Socket

Standard DIN.

ID/mount. hole: 18.5 mm

Material: Nickel plated brass
No./mounting holes: 1
Cap: w/
Male/female: Female
DIN norm: 72591
ISO norm: 4165

180115 DIN Socket

Universal.

Dist. mount. holes: 46 mm

Material: Cast aluminum
No./mounting holes: 2
No./poles: 2
Male/female: Female
DIN norm: 72591
ISO norm: 4165

180315 DIN Socket

Universal. Fits HC-CARGO 180629.

Dist. mount. holes: 46 mm

Material: Plastic
No./mounting holes: 2
No./poles: 2
Male/female: Female

O.E.M. names and numbers are used for reference purposes only.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
180354 Coupling Socket			
DIN - coupling socket extension connector, universal. Standard			
			No./poles: 1 **Male/female:** Female
180376 DIN Socket	**Servicing:** HC-CARGO 170292, 170387, 170405, 170788, 170406, 170562, 170789, 170537, 171576, 170419, 170460		
Also used in sockets for beacons.			
		ID/mount. hole: 18.5 mm	**Material:** Brass **No./poles:** 1 **Male/female:** Female **DIN norm:** 72591
180377 DIN Socket			
Also used in sockets for beacons.			
		ID/mount. hole: 18.5 mm	**Material:** Brass **No./poles:** 2 **Male/female:** Female **DIN norm:** 72591
181275 DIN Socket			
		ID/mount. hole: 18.5 mm	**No./poles:** 2 **Cap:** w/ **Male/female:** Female **DIN norm:** 72591 **ISO norm:** 4165
181548 Twin Socket Cigar Adapter			
w/ 60 cm cable.			
	Voltage: 12 **Amp:** 15		
181549 Twin Socket Cigar Adapter			
	Voltage: 12 **Amp:** 15		
181550 Twin Socket Cigar Adapter			
w/ 2 USB plugs. Cable lenght: 650 mm.			
	Voltage: 12-24 **Amp:** 10		

O.E.M. names and numbers are used for reference purposes only.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
181575 Socket			
Universal. w/ 30 cm cable 0.8 mm².			
181601 USB Adapter			
2 horizontally built-in ports, charging two USB devices simultaneously.			
	Voltage: 12-24 **Amp:** 3		**Material:** PVC
181616 DIN Socket			
300 mm cable.			
	Voltage: 6-24 **Amp:** 16	**Cable dim.:** 2x2.5 mm² **Mount. hole dia.:** 18.4 mm **Temp.:** -40 - +105 °C **Connection:** Cable	**Mount.:** Screw **Colour:** Black **Material:** Shockproof plastic **No./poles:** 2 **Male/female:** Female **ISO norm:** 4165 **Protection degree:** IP 67
181631 USB Adapter			
2 horizontally built-in ports, charging two USB devices simultaneously.			
	Voltage: 12-24 **Amp:** 2.1		**Colour:** White/black **Material:** Polycarbonate

PLUGS

180113 DIN Plug			
Universal. Fits HC-CARGO 180115.			
			Material: Plastic **No./poles:** 2 **Male/female:** Male **DIN norm:** 72591 **ISO norm:** 4165
180230 DIN Plug			
Universal plug suitable for all cigarette lighter sockets. Also suitable for standard DIN socket.			
	Voltage: 12/24 **Amp:** <8		**Material:** Plastic **No./poles:** 2 **Male/female:** Male **ISO norm:** 4165
180287 DIN Plug			
Universal plug suitable for all cigarette lighter sockets. Also suitable for standard DIN socket. w/ built-in 8 A fuse.			
	Voltage: 12/24		**Material:** Plastic **No./poles:** 2 **Male/female:** Male **ISO norm:** 4165

O.E.M. names and numbers are used for reference purposes only.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
180399 DIN Plug			
Universal. Fits HC-CARGO 180315.			
	Voltage: 12/24		**Material:** Plastic **No./poles:** 2 **Male/female:** Male
181629 DIN Plug			
Universal. Fits HC-CARGO 180315.			
	Voltage: 12-24		**Material:** Plastic **No./poles:** 2 **Male/female:** Male

ACCESSORIES

171518 Coiled Cable	**Servicing:** HC-CARGO 170292, 170387, 170405, 170788, 170406, 170562, 170789, 170537, 171576, 170419, 170460		
		Working length: 2 m	**Plug type:** Cigar plug **Plug:** 2 **ISO norm:** 4165
171562 Coiled Cable	**Servicing:** HC-CARGO 171763, 171764, 171494, 171495, 171496		
		Working length: 3 m	**Plug type:** Cigar plug
181579 Plug and Socket	**Servicing:** HC-CARGO 181629, 180315		
	Voltage: 12-24		**Material:** Plastic **No./mounting holes:** 2 **No./poles:** 2
181602 USB Charging Kit	**Servicing:** HC-CARGO 181601, 181550, 181631		
Plug 1: Nokia N70/628/6300/N95. Plug 2: Sony PSP. Plug 3: I-Phone. Plug 4: Nokia 8600/6500C. Plug 5: Nintendo DS Lite. Plug 6: Motorola, Android. Plug 7: Samsung Trace/E900.			
			Material: PVC

ADAPTERS - 12/24 V

7-7 PIN

180201 Trailer Adapter			
	Voltage: 12-24		**Plug type:** 24N, 12N **Plug 1:** 7 **Plug 2:** 7 **ISO norm 1:** 1724 **ISO norm 2:** 1185

O.E.M. names and numbers are used for reference purposes only.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

ADAPTERS 12 V

2-2 PIN

181622 Splitter Cable — **Servicing:** HC-CARGO 181617

Voltage: 12
Cable dim.: 2x1 mm²
Length: 0.25 m
Plug 1: 2
Plug 2: 2

7-8 PIN

181618 Trailer Adapter — **Servicing:** HC-CARGO 181617

Voltage: 12
Cable dim.: 6x1 mm²
Length: 8.5 m
Plug type: 12N, Bayonet
Colour: Black
Material: ABS plastic
Plug 1: 7
Plug 2: 8
ISO norm: 1724

181619 Trailer Adapter — **Servicing:** HC-CARGO 181617

Voltage: 12
Cable dim.: 6X1 mm²
Length: 11 m
Plug type: 12N, Bayonet
Colour: Black
Material: ABS plastic
Plug 1: 7
Plug 2: 8
ISO norm: 1724

181620 Trailer Adapter — **Servicing:** HC-CARGO 181617

Voltage: 12
Cable dim.: 6X1 mm²
Length: 14 m
Plug type: 12N, Bayonet
Colour: Black
Material: ABS plastic
Plug 1: 7
Plug 2: 8
ISO norm: 1724

181621 Socket with cable — **Servicing:** HC-CARGO 181617

Voltage: 12
Cable dim.: 4x1 mm²
Length: 2 m
Plug type: 12N, 4 pin Power Seal
Colour: Black
Material: ABS plastic
Plug 1: 7
Plug 2: 4
ISO norm: 1724

7-13 PIN

180221 Trailer Adapter

Voltage: 12
Cable length: 1 mm
Plug 1: 7
Plug 2: 13
Cable: w/
ISO norm 1: 11446
ISO norm 2: 1724

181461 Trailer Adapter — **Servicing:** Hobby and Hymer caravans

Connect pos. 2/54 on 7-pin to pos. 9 and 10 on 13-pin. (continuous power supply) and connect 3/31 on 7-pin to pos. 3.11 and 13 on 13-pin.

Voltage: 12
Plug 1: 7
Plug 2: 13
ISO norm 1: 1724
ISO norm 2: 11446

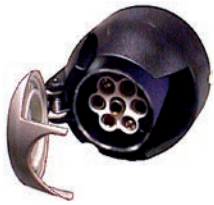
O.E.M. names and numbers are used for reference purposes only.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
13-7 PIN			
180157 DIN Socket			
		ID/mount. hole: 18.5 mm	**Material:** Nickel plated brass **No./poles:** 2 **Cap:** w/ **Male/female:** Female **DIN norm:** 72591 **ISO norm:** 4165
180213 Trailer Adapter			
	Voltage: 12	**Cable length:** 0.8 mm	**Plug 1:** 13 **Plug 2:** 7 **Cable:** w/ **ISO norm 1:** 11446 **ISO norm 2:** 1724
180298 Trailer Adapter			
	Voltage: 12		**Plug 1:** 13 **Plug 2:** 7 **Cable:** w/ **ISO norm 1:** 11446 **ISO norm 2:** 1724
180305 Trailer Adapter			
	Voltage: 12		**Plug 1:** 13 **Plug 2:** 7 **ISO norm 1:** 11446 **ISO norm 2:** 1724
180332 Trailer Adapter			
	Voltage: 12		**Plug type:** Multicon **Plug 1:** 13 **Plug 2:** 7-13 **ISO norm 1:** 11446 **ISO norm 2:** 1724
180373 Trailer Adapter			
	Voltage: 12	**Cable length:** 0.1 mm	**Plug 1:** 7 **Plug 2:** 13 **Cable:** w/ **ISO norm 1:** 11446 **ISO norm 2:** 1724
180574 Trailer Adapter			
	Voltage: 12	**Cable length:** 0.3 mm	**Plug type:** 12N/12S **Plug 1:** 13 **Plug 2:** 7 **Cable:** w/ **ISO norm 1:** 11446 **ISO norm 2:** 1724

O.E.M. names and numbers are used for reference purposes only.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
180606 Trailer Adapter *Extremely compact.*			
	Voltage: 12		**Plug 1:** 13 **Plug 2:** 7 **ISO norm 1:** 11446 **ISO norm 2:** 1724
181669 UK short adapter	**Servicing:** UK		
	Voltage: 12		**Plug 1:** 13 **Plug 2:** 2x7 **Cable:** w/o **ISO norm 1:** 11446 **ISO norm 2:** 1724 **ISO norm 3:** 3732
DISTRIBUTOR BOX			
181617 Distribution Box			
		Dim.: 160x60x120 mm **Input:** 8 pin **Outlet:** 6x4 pin + 2x3 pin	**Protection degree:** IP 54
TRAILER SOCKETS - 12 V			
3 PIN			
180306 Socket			
	Voltage: 12 **Amp:** 5/25/25	**Connection:** Terminal	**Colour:** Black **Material:** Plastic **No./poles:** 3 **Male/female:** Female
180307 Socket			
	Voltage: 12 **Amp:** 5/25/25	**Connection:** Terminal	**Colour:** Black **Material:** Plastic **No./poles:** 3 **Male/female:** Female **DIN norm:** 9680
7 PIN			
180110 Trailer Socket	**Servicing:** HC-CARGO 180107, 180108, 180147, 181547		
	Voltage: 12	**Connection:** Screw	**Plug type:** 12N **Colour:** Black **Material:** Shock thermo plastic **No./poles:** 7 **Male/female:** Female **DIN norm:** 72577 **ISO norm:** 1724
180150 Coupling Socket	**Servicing:** HC-CARGO 180110, 180218, 180293, 181485		
	Voltage: 12	**Connection:** Screw	**Plug type:** 12N **Colour:** Black **Material:** Shock thermo plastic **No./poles:** 7 **Male/female:** Female **DIN norm:** 72579 **ISO norm:** 1724

O.E.M. names and numbers are used for reference purposes only.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
180218 Trailer Socket	**Servicing:** HC-CARGO 180107, 180108, 180147, 181547		
	Voltage: 12	**Connection:** Screw	**Plug type:** 12N **Colour:** Black **Material:** Cast aluminum **No./poles:** 7 **Male/female:** Female **DIN norm:** 72577 **ISO norm:** 1724
180239 Trailer Socket	**Servicing:** HC-CARGO 180238		
w/ changed central contact 7/58L. w/ grey cap.			
	**Voltage:** 12	**Connection:** Screw	**Plug type:** 12S **Colour:** Black **Material:** Shock thermo plastic **No./poles:** 7 **Male/female:** Female **ISO norm:** 3732
180293 Trailer Socket	**Servicing:** HC-CARGO 180107, 180108, 180147, 181547		
	Voltage: 12	**Connection:** Terminal	**Plug type:** 12N **Colour:** Black **Material:** Shock thermo plastic **No./poles:** 7 **Male/female:** Female **DIN norm:** 72577 **ISO norm:** 1724
180620 Coupling Socket	**Servicing:** HC-CARGO 180239		
w/ changed 7/58L contact.			
	Voltage: 12	**Connection:** Cable	**Plug type:** 12S **Colour:** Grey **Material:** Shock thermo plastic **No./poles:** 7 **Male/female:** Female
181485 Trailer Socket	**Servicing:** HC-CARGO 180107, 180108, 180147, 181547		
w/ rear fog light cut-off.			
	Voltage: 12	**Connection:** Screw	**Plug type:** 12N **Colour:** Black **Material:** Shock thermo plastic **No./poles:** 7 **Male/female:** Female **DIN norm:** 72577 **ISO norm:** 1724
181604 Trailer Socket	**Servicing:** HC-CARGO 180107, 180108, 180147, 181547		
Micro and mechanical switch.			
	Voltage: 12 **Amp:** 6	**Connection:** Screw	**Plug type:** 12N **Colour:** Black **Material:** Shock thermo plastic **No./poles:** 7 **Male/female:** Female **DIN norm:** 72577 **ISO norm:** 1724

13 PIN

180214 Trailer Socket 13-Pol	**Servicing:** HC-CARGO 180212		
Trailer socket kit: HC-CARGO 180405.			
	Voltage: 12	**Connection:** Screw	**Colour:** Black **Locking device:** Bayonet **Material:** Nickel plated brass **No./poles:** 13 **Male/female:** Female **DIN norm:** 72570 **ISO norm:** 11446 **Protection degree:** Splash proof

O.E.M. names and numbers are used for reference purposes only.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
181274 Trailer Socket	**Servicing:** HC-CARGO 180212		
w/ micro switch, that switch over the rear fog lamps from car to trailer. Trailer socket kit: HC-CARGO 180405 .			
	Voltage: 12	**Connection:** Screw	**Colour:** Black **Locking device:** Bayonet **Material:** Nickel plated brass **No./poles:** 13 **Male/female:** Female **DIN norm:** 72570 **ISO norm:** 11446 **Protection degree:** Splash proof
181576 Coupling Socket			
	Voltage: 12	**Connection:** Screw	**Colour:** Black **Material:** Shockproof plastic **No./poles:** 13 **Male/female:** Female **ISO norm:** 11446

13-7 PIN

180329 Trailer Socket	**Servicing:** HC-CARGO 180330		
w/ micro switch, that switch over the rear fog lamps from car to trailer.			
	Voltage: 12	**Connection:** Screw	**Plug type:** Multicon, **Colour:** Black **Material:** Shock thermo plastic **No./poles:** 7/13 **Male/female:** Female **ISO norm:** 1724

TRAILER SOCKETS - 24 V

3 PIN

180402 Trailer Socket			
	Voltage: 6/24	**Connection:** Screw	**Colour:** Black **Material:** Shock thermo plastic **No./poles:** 3 **Male/female:** Female

7 PIN

180112 Trailer Socket	**Servicing:** HC-CARGO 180296, 180351, 180111, 180154		
	Voltage: 24	**Connection:** Terminal	**Plug type:** 24N, Europe **Colour:** Black **Material:** Shock thermo plastic **No./poles:** 7 **Male/female:** Female **DIN norm:** 72579 **ISO norm:** 1185
180153 Trailer Socket	**Servicing:** HC-CARGO 180296, 180351, 180111, 180154		
	Voltage: 24	**Connection:** Screw	**Plug type:** 24N, Europe **Colour:** Black **Material:** Shock thermo plastic **No./poles:** 7 **Male/female:** Female **DIN norm:** 72579 **ISO norm:** 1185

O.E.M. names and numbers are used for reference purposes only.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
180219 Trailer Socket	**Servicing:** HC-CARGO 180296, 180351, 180111, 180154		
	Voltage: 24	**Connection:** Screw	**Plug type:** 24N, Europe **Material:** Cast aluminum **No./poles:** 7 **Male/female:** Female **DIN norm:** 72579 **ISO norm:** 1185
180240 Trailer Socket	**Servicing:** HC-CARGO 180568, 180610, 180624		
w/ changed 1/31 contact. w/ grey cap.			
	Voltage: 24	**Connection:** Screw	**Plug type:** 24S, Europe **Colour:** Black **Material:** Shock thermo plastic **No./poles:** 7 **Male/female:** Female **ISO norm:** 3731
180296 Trailer Socket	**Servicing:** HC-CARGO 180112, 180153, 180219, 180607, 180297		
	Voltage: 24	**Connection:** Terminal	**Plug type:** 24N, Europe **Material:** Cast aluminum **No./poles:** 7 **Male/female:** Female **DIN norm:** 72579 **ISO norm:** 1185
180351 Trailer Socket	**Servicing:** HC-CARGO 180112, 180153, 180219, 180607, 180297		
16x flat tongue.			
	Voltage: 24	**Connection:** Terminal	**Plug type:** 24N, Europe **Material:** Cast aluminum **No./poles:** 7 **Male/female:** Female **DIN norm:** 72579 **ISO norm:** 1185
180568 Trailer Socket	**Servicing:** HC-CARGO 180240, 180569, 180608, 180241		
w/ changed 1/31 contact. w/ grey cap.			
	Voltage: 24	**Connection:** Terminal	**Plug type:** 24S, Europe **Colour:** Black **Material:** Shock thermo plastic **No./poles:** 7 **Male/female:** Female **ISO norm:** 3731
180569 Trailer Socket	**Servicing:** HC-CARGO 180568, 180610, 180624		
w/ changed 1/31 contact. w/ grey cap.			
	Voltage: 24	**Connection:** Terminal	**Plug type:** 24S, Europe **Material:** Cast aluminum **No./poles:** 7 **Male/female:** Female **ISO norm:** 3731
180571 EBS Socket			
w/ ejector device for correct plug/socket connection. Incl. pins 3x1.5+2x4 mm².			
	Voltage: 24	**Connection:** Terminal	**Plug type:** EBS **No./poles:** 7 **Male/female:** Female **DIN norm:** 74001 **ISO norm:** 7638

O.E.M. names and numbers are used for reference purposes only.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
180607 Trailer Socket	**Servicing:** HC-CARGO 180296, 180351, 180111, 180154		
	Voltage: 24	**Connection:** Terminal	**Plug type:** 24N, Europe **No./poles:** 7 **Male/female:** Female **DIN norm:** 72579 **ISO norm:** 1185 **Protection degree:** IP 54 **ADR-approved:** Yes
180608 Trailer Socket	**Servicing:** HC-CARGO 180568, 180610, 180624		
w/ changed 1/31 contact. w/ grey cap.			
	Voltage: 24	**Connection:** Terminal	**Plug type:** 24S, Europe **Colour:** Black **Material:** Shock thermo plastic **No./poles:** 7 **Male/female:** Female **ISO norm:** 3731 **Protection degree:** IP 54 **ADR-approved:** Yes
181470 EBS Socket			
Screw connection w/ wirecolour indication.			
	Voltage: 24		**Plug type:** EBS **Locking device:** Metal bracket **No./poles:** 7 **Male/female:** Female **ISO norm:** 7638
181471 EBS Socket			
Screw connection w/wire colour indication. Angled.			
	Voltage: 24		**Plug type:** EBS **Locking device:** Bayonet **No./poles:** 7 **ISO norm:** 7638

13 PIN

180253 EBS Socket			
Incl. pins 12x1+1x2.5 mm². Weather proof.			
	Voltage: 24		**Plug type:** EBS **No./poles:** 13 **Male/female:** Female **DIN norm:** 74001 **ISO norm:** 12098 **ADR-approved:** Yes **GGVS approval:** Yes

ACCESSORIES

180611 Terminal Coupling	**Servicing:** HC-CARGO 180112, 180569, 180607, 180608, 180241, 180297		
For trailer sockets.			
	Voltage: 24		**Plug type:** Europe **Colour:** White **No./poles:** 7 **Male/female:** Multiplug

O.E.M. names and numbers are used for reference purposes only.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

TRAILER SOCKETS - 6/24 V

4 PIN

180404 Trailer Socket

Voltage: 6-24

Connection: Screw

Colour: Black
Material: Shock thermo plastic
No./poles: 4
Male/female: Female
DIN norm: 72575

TRAILER PLUGS - 12 V

3 PIN

180308 Plug

Voltage: 12
Amp: 5/25/25

Connection: Terminal

Colour: Black
Material: Plastic
No./poles: 3
Male/female: Male
DIN norm: 9680

7 PIN

180107 Trailer Plug

Servicing: HC-CARGO 180110, 180218, 180293, 181485

Voltage: 12

Connection: Screw

Plug type: 12N
Material: Cast aluminum
No./poles: 7
Male/female: Male
DIN norm: 72577
ISO norm: 1724

180108 Trailer Plug

Servicing: HC-CARGO 180110, 180218, 180293, 181485

Voltage: 12

Connection: Screw

Plug type: 12N
Colour: Black
Material: Shock thermo plastic
No./poles: 7
Male/female: Male
DIN norm: 72577
ISO norm: 1724

180147 Trailer Plug

Servicing: HC-CARGO 180110, 180218, 180293, 181485

Voltage: 12

Connection: Screw

Plug type: 12N
Mount.: Snap-on
Colour: Black
Material: Shock thermo plastic w/ snap-on session
No./poles: 7
Male/female: Male
DIN norm: 72577
ISO norm: 1724

180238 Trailer Plug

Servicing: HC-CARGO 180239

w/ changed 7/58L contact.

Voltage: 12

Connection: Screw

Plug type: 12S
Colour: Grey
Material: Shock thermo plastic
No./poles: 7
Male/female: Male
ISO norm: 3732

O.E.M. names and numbers are used for reference purposes only.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
181547 Trailer Plug	**Servicing:** HC-CARGO 180110, 180218, 180293, 181485		
w/ rubber grommet for 1 cable. Grommet for 2 cables: HC-CARGO 181581.			
	Voltage: 12	**Connection:** Terminal	**Plug type:** 12N **Colour:** Black **Material:** Plastic **No./poles:** 7 **Male/female:** Male **DIN norm:** 72577 **ISO norm:** 1724

13 PIN

180212 Trailer Plug	**Servicing:** HC-CARGO 180214, 181274		
Nickel plated brass pins.			
	Voltage: 12	**Connection:** Screw	**Colour:** Black **Locking device:** Bayonet **Material:** Shock thermo plastic **No./poles:** 13 **Male/female:** Male **DIN norm:** 72570 **ISO norm:** 11446 **Protection degree:** Splash proof

13-7 PIN

180330 Trailer Plug	**Servicing:** HC-CARGO 180329		
+ 6 contacts.			
	Voltage: 12	**Connection:** Screw	**Plug type:** Multicon **Colour:** Black **Material:** Shock thermo plastic **No./poles:** 7-13 **Male/female:** Male **ISO norm:** 1724

TRAILER PLUGS - 24 V

7 PIN

180111 Trailer Plug	**Servicing:** HC-CARGO 180112, 180153, 180219, 180607, 180297		
	Voltage: 24	**Connection:** Terminal	**Plug type:** 24N, Europe **Colour:** Black **Material:** Shock thermo plastic **No./poles:** 7 **Male/female:** Male **DIN norm:** 72579 **ISO norm:** 1185
180154 Trailer Plug	**Servicing:** HC-CARGO 180112, 180153, 180219, 180607, 180297		
	Voltage: 24	**Connection:** Screw	**Plug type:** 24N, Europe **Colour:** Black **Material:** Shock thermo plastic **No./poles:** 7 **Male/female:** Male **DIN norm:** 72579 **ISO norm:** 1185
180220 Trailer Plug			
	Voltage: 24	**Connection:** Screw	**Plug type:** 24N, Europe **Material:** Cast aluminum **No./poles:** 7 **Male/female:** Male **DIN norm:** 72579 **ISO norm:** 1185

O.E.M. names and numbers are used for reference purposes only.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
180241 Trailer Plug	**Servicing:** HC-CARGO 180568, 180610, 180624		
w/ changed 1/31 contact. w/ grey plastic interior.			
	Voltage: 24	**Connection:** Screw	**Plug type:** 24S, Europe **Colour:** Black **Material:** Shock thermo plastic **No./poles:** 7 **Male/female:** Male **ISO norm:** 3731
180297 Trailer Plug	**Servicing:** HC-CARGO 180296, 180351, 180111, 180154		
	Voltage: 24	**Connection:** Terminal	**Plug type:** 24N, Europe **Material:** Cast aluminum **No./poles:** 7 **Male/female:** Male **DIN norm:** 72579 **ISO norm:** 1185
180570 EBS Plug			
Incl. pins 5x1.5+2x4 mm². w/ locking device.			
	Voltage: 24	**Connection:** Terminal	**Plug type:** EBS **Locking device:** Metal bracket **No./poles:** 7 **Male/female:** Male **DIN norm:** 40050 **ISO norm:** 7638 **Protection degree:** Waterproof
180610 Trailer Plug	**Servicing:** HC-CARGO 180240, 180569, 180608, 180241		
w/ changed 1/31 contact. w/ grey plastic interior.			
	Voltage: 24	**Connection:** Screw	**Plug type:** 24S, Europe **Colour:** Black **Material:** Shock thermo plastic **No./poles:** 7 **Male/female:** Male **ISO norm:** 3731 **Protection degree:** IP 54 **ADR-approved:** Yes
180624 Trailer Plug	**Servicing:** HC-CARGO 180240, 180569, 180608, 180241		
w/ changed 1/31 contact. w/ grey plastic interior.			
	Voltage: 24	**Connection:** Screw	**Plug type:** 24S, Europe **Material:** Cast aluminum **No./poles:** 7 **Male/female:** Male **ISO norm:** 3731
181469 EBS Plug			
Screw connection w/ wirecolour indication.			
	Voltage: 24	**Connection:** Terminal	**Plug type:** EBS **Locking device:** Metal bracket **No./poles:** 7 **Male/female:** Male **ISO norm:** 7638 **Protection degree:** Waterproof

13 PIN

180252 EBS Plug			
Incl. pins 12x1+1x2.5 mm². Weather proof.			
	Voltage: 24	**Connection:** Terminal	**Plug type:** EBS **No./poles:** 13 **Male/female:** Male **DIN norm:** 40050 **ISO norm:** 7638 **ADR-approved:** Yes **GGVS approval:** Yes

O.E.M. names and numbers are used for reference purposes only.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
ACCESSORIES			
180612 Terminal Coupling	**Servicing:** HC-CARGO 180296, 180351, 180568, 180111, 180609		
	Voltage: 24		**Plug type:** Europe **Colour:** Red **No./poles:** 7
TRAILER PLUGS - 6/24 V			
3 PIN			
180401 Plug			
	Voltage: 6-24	**Connection:** Screw	**Colour:** Black **Material:** Shock thermo plastic **No./poles:** 3 **Male/female:** Male **DIN norm:** 9680
4 PIN			
180403 Plug			
	Voltage: 6-24	**Connection:** Screw	**Colour:** Black **Material:** Shock thermo plastic **No./poles:** 4 **Male/female:** Male **DIN norm:** 72575
VOLTAGE CONVERTERS			
160899 Adaptor			
Max. output 220 W. 7-13 pole.			
	Voltage/in: 24 **Voltage/out:** 12 **Watt/out:** 6x70		**Type:** Switch mode
160900 Trailer Light Converter Adapter			
Max. output 220 W. 7-7 pole.			
	Voltage/in: 24 **Voltage/out:** 12 **Watt/out:** 6x70		**Type:** Switch mode
CABLE KITS 12 V			
7 PIN			
180001 Trailer Cable Kit			
	Voltage: 12	**Length:** 1.4 m	**Cable type:** Single core w/ flex **Socket type:** 12N **Fixing materials:** Yes **No./poles:** 7 **Gasket:** Yes **DIN norm:** 72577 **ISO norm:** 1724

O.E.M. names and numbers are used for reference purposes only.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
180144 Trailer Cable Kit			
	Voltage: 12	**Length:** 1.4 m	**Cable type:** Multi core **Socket type:** 12N **Fixing materials:** Yes **No./poles:** 7 **Gasket:** Yes **Male/female:** Male **DIN norm:** 72577 **ISO norm:** 1724
180248 Trailer Cable Kit			
	Voltage: 12	**Length:** 2 m	**Cable type:** Multi core **Socket type:** 12N **Fixing materials:** Yes **No./poles:** 7 **Gasket:** Yes **Male/female:** Male **DIN norm:** 72577 **ISO norm:** 1724
13 PIN			
180405 Trailer Cable Kit	**Servicing:** HC-CARGO 180214		
w/ rubber gasket.			
	Voltage: 12	**Length:** 1.8 m	**Cable type:** Multi core **Fixing materials:** Yes **No./poles:** 13 **Gasket:** Yes **DIN norm:** 72570 **ISO norm:** 4091
TRAILER COILS 24 V			
2 PIN			
181489 Trailer Coil			
	Voltage: 24	**Cable dim.:** 2x35 mm² **Working length:** 4 m	**Plug type:** Nato plug, Nato plug **Colour:** Red/black **Material:** Polyurethan **Windings:** 35 **Plug 1:** 2 **Plug 2:** 2
TRAILER COILS 12 V			
13 PIN			
181600 Trailer coil w/ 2x13 pin plugs			
Max extension length: 4.5 m.			
	Voltage: 12	**Working length:** 3 m	**Windings:** 17 **Plug 1:** 13 **Plug 2:** 13 **ISO norm:** 11446
7 PIN			
180225 Trailer Coil			
	Voltage: 12	**Cable dim.:** 6x1+1x1.5 mm² **Working length:** 3.5 m	**Plug type:** 12N, 24N, Europe **Colour:** Black **Material:** Polyurethan **Windings:** 42 **Plug 1:** 7 **Plug 2:** 7 **ISO norm:** 1724

O.E.M. names and numbers are used for reference purposes only.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
180372 Trailer Coil			
	Voltage: 12	**Cable dim.:** 6x1+1x1.5 mm² **Working length:** 3.5 m	**Plug type:** 12N, 12N **Colour:** Black **Material:** Polyurethan **Windings:** 42 **Plug 1:** 7 **Plug 2:** 7 **ISO norm:** 1724
180613 Trailer Coil			
	Voltage: 12	**Cable dim.:** 6x1+1x1.5 mm² **Working length:** 1.5 m	**Plug type:** 12N, 12N **Colour:** Black **Material:** Polyurethan **Windings:** 15 **Plug 1:** 7 **Plug 2:** 7 **ISO norm:** 1724
181544 Extension Cable Coil			
	Voltage: 12	**Cable dim.:** 6x1.5+1x2 mm² **Working length:** 3.5 m	**Plug type:** 12N, Europe, 12N, Europe **Mount.:** Screw **Colour:** Black **Material:** Shock thermo plastic **Windings:** 42 **Plug 1:** 7 **Plug 2:** 7 **DIN norm:** 72577 **ISO norm:** 1724

ACCESSORIES

180245 ABS Sealing Kit			
			Socket type: ABS **No./poles:** 7
181581 Rubber Bushing	**Servicing:** HC-CARGO 181547		
w/ 2 outlets.			
		OD: 6.5 mm	
181583 Mounting Bracket	**Servicing:** HC-CARGO 180110, 180218, 180239, 180293, 181485		
For trailer socket.			
		ID: 40 mm **OD:** 80 mm **Dist. mount. holes:** 20 mm **Mount hole:** 12 mm	**No./mounting holes:** 2 (0)
181612 Rubber Gasket	**Servicing:** HC-CARGO 180110, 180218, 180239, 180293, 181485		
			Colour: Black **Material:** EPDM rubber

O.E.M. names and numbers are used for reference purposes only.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
181623 Cable w/ connector 2P 2m	**Servicing:** HC-CARGO 181617		
	Voltage: 12	**Cable dim.:** 2x1 mm² **Length:** 2 m	**Plug type:** 2 pin Power Seal **Plug:** 2
181624 Cable w/ connector 2P 3.56m	**Servicing:** HC-CARGO 181617		
	Voltage: 12	**Cable dim.:** 2x1 mm² **Length:** 3.56 m	**Plug type:** 2 pin Power Seal **Plug:** 2
181625 Cable w/ connector 4P 2.3 m	**Servicing:** HC-CARGO 181617		
	Voltage: 12	**Cable dim.:** 4x1 mm² **Length:** 2.3 m	**Plug type:** 4 pin Power Seal **Plug:** 4
181626 Cable w/ connector 4P 4.06 m	**Servicing:** HC-CARGO 181617		
	Voltage: 12	**Cable dim.:** 4X1 mm² **Length:** 4.06 m	**Plug type:** 4 pin Power Seal **Plug:** 4
181627 Bayonet connector	**Servicing:** HC-CARGO 181617		
	Voltage: 12	**Cable dim.:** 8x1.5-2.5 mm²	**Mount.:** Terminal **Locking device:** Bayonet **No./poles:** 8 **DIN norm:** 72580
181628 Rubber Gasket	**Servicing:** HC-CARGO 180110, 180218, 180239, 180293, 181485		
			Colour: Black **Material:** EPDM rubber

TRAILER COILS 24 V

7 PIN

180194 Trailer Coil			
	Voltage: 24	**Cable dim.:** 6x1+1x1.5 mm² **Working length:** 3.5 m	**Plug type:** 12N, 24N, Europe **Colour:** Black **Material:** Nylon **Windings:** 20 **Plug 1:** 7 **Plug 2:** 7 **ISO norm:** 1185 **ISO norm 2:** 1724

O.E.M. names and numbers are used for reference purposes only.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
180195 Trailer Coil *Aluminium plug.*			
	Voltage: 24	**Cable dim.:** 6x1+1x1.5 mm² **Working length:** 3.5 m	**Plug type:** 24N, Europe, 24N, Europe **Colour:** Black **Material:** Nylon **Windings:** 20 **Plug 1:** 7 **Plug 2:** 7 **DIN norm:** 72579 **ISO norm:** 1185
180196 Trailer Coil			
	Voltage: 24	**Cable dim.:** 6x1+1x1.5 mm² **Working length:** 3.5 m	**Plug type:** 24N, Europe, 24N, Europe **Colour:** Black **Material:** Nylon **Windings:** 20 **Plug 1:** 7 **Plug 2:** 7 **DIN norm:** 72579 **ISO norm:** 1185
180226 Trailer Coil			
	Voltage: 24	**Cable dim.:** 6x1+1x1.5 mm² **Working length:** 3.5 m	**Plug type:** 24N, Europe, 24N, Europe **Colour:** Black **Material:** Polyurethan **Windings:** 42 **Plug 1:** 7 **Plug 2:** 7 **ISO norm:** 1185
180227 Trailer Coil *Aluminium plug.*			
	Voltage: 24	**Cable dim.:** 6x1+1x1.5 mm² **Working length:** 3.5 m	**Plug type:** 24N, Europe, 24N, Europe **Colour:** Black **Material:** Polyurethan **Windings:** 42 **Plug 1:** 7 **Plug 2:** 7 **ISO norm:** 1185
180228 Trailer Coil			
	Voltage: 24	**Cable dim.:** 6x1+1x1.5 mm² **Working length:** 3.5 m	**Plug type:** 24N, Europe, 24N, Europe **Mount.:** Moulded **Colour:** Black **Material:** Polyurethan **Windings:** 42 **Plug 1:** 7 **Plug 2:** 7 **ISO norm:** 1185
180316 Trailer Coil			
	Voltage: 24	**Cable dim.:** 6x1+1x1.5 mm² **Working length:** 3.5 m	**Plug type:** 24S, Europe, 24S, Europe **Colour:** Black **Material:** Polyurethan **Windings:** 42 **Plug 1:** 7 **Plug 2:** 7 **ISO norm:** 3731
180572 Trailer Coil			
	Voltage: 24	**Cable dim.:** 2x4+5x1.5 mm² **Working length:** 4 m	**Plug type:** EBS, EBS **Material:** Polyurethan **Plug 1:** 7 **Plug 2:** 7 **DIN norm:** 74001 **ISO norm:** 7638

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

NATO CABLE CONNECTORS

180197 Nato Socket

Terminal: HC-CARGO 180560.

Voltage: 24
Amp: 200

Dim.: 35-50 mm²
Dist. mount. holes: 82.5/47.6 mm
Connection: Solder/crimp

No./mounting holes: 4
No./poles: 2
Male/female: Female
Approvals: VG 96917

180198 Nato Plug

Servicing: HC-CARGO 193002

Voltage: 24
Amp: 200

Dim.: 50 mm²
Connection: Solder/crimp

No./poles: 2
Male/female: Male
Approvals: VG 96917

180325 Nato Plug

w/ screw device.

Voltage: 24
Amp: 200

Dim.: 50 mm²
Connection: Solder/crimp

Material: Metal/Rubber
No./poles: 2
Male/female: Male

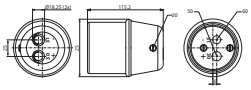
180349 Nato Socket

Voltage: 24
Amp: 250

Dim.: 70 mm²
Dist. mount. holes: 85/60 mm
Connection: 10 mm ring terminals

No./mounting holes: 4
No./poles: 2
Male/female: Female

180350 Nato Plug



Voltage: 24
Amp: 250

Dim.: 70 mm²
Connection: Soldering

No./poles: 2
Male/female: Male

181563 Nato Plug

Servicing: HC-CARGO 180197

Voltage: 24
Amp: 200

Dim.: 50 mm²
Connection: Solder/crimp

No./poles: 2
Male/female: Male

181611 Nato Plug

Servicing: HC-CARGO 180197

Terminal: HC-CARGO 180561.

Voltage: 24
Amp: Max 300

Dim.: 35 mm²
Connection: Solder/crimp

Material: Aluminium
No./poles: 2
Male/female: Male
Approvals: VG 96917

O.E.M. names and numbers are used for reference purposes only.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
181630 Nato Socket			
Terminal: HC-CARGO 180560.			
	Voltage: 24	**Dim.:** 35-50 mm²	**Colour:** Yellow/black **No./mounting holes:** 4 **No./poles:** 2 **Male/female:** Female **Approvals:** VG 96917
193002 Nato Socket 2-pin	**Servicing:** HC-CARGO 180198		
Terminal: HC-CARGO 180561.			
	Voltage: 24	**Dim.:** 35 mm² **ID/mount. hole:** 6 mm **Dist. mount. holes:** 82x49 mm **Connection:** Soldering	**Colour:** Black **Material:** Plastic **No./mounting holes:** 4 **No./poles:** 2 **Cap:** w/ **Male/female:** Female **Approvals:** VG 96917

SPARE PARTS

180560 Terminal	**Servicing:** HC-CARGO 180197, 181630		
Long.			
		Plug length: 67.2 mm **Cable size:** 35-50 mm²	**Gender:** Female
180561 Terminal	**Servicing:** HC-CARGO 181611		
		Plug length: 42 mm **Cable size:** 35 mm²	**Gender:** Male
181670 Terminal	**Servicing:** HC-CARGO 180198, 180325, 181563		
		Plug length: 42 mm **Cable size:** 50 mm²	**Gender:** Male

ACCESSORIES

180199 Nato Coupling			
	Voltage: 24 **Amp:** 200	**Dim.:** 35-50 mm²	**No./poles:** 2 **Approvals:** VG 96917
181671 Rubber Gasket	**Servicing:** HC-CARGO 180197, 181630, 193002		
			Colour: Black **Material:** EPDM rubber

O.E.M. names and numbers are used for reference purposes only.

CIRCUIT BREAKERS

ATO BLADE FUSE TYPE

HC-CARGO	Ampere	Voltage	Type	
192936	5	0-28	ATO	*Manual reset.*
192937	7.5	0-28	ATO	*Manual reset.*
192938	10	0-28	ATO	*Manual reset.*
192939	15	0-28	ATO	*Manual reset.*
192940	20	0-28	ATO	*Manual reset.*
192941	25	0-28	ATO	*Manual reset.*

PANEL MOUNT TYPE

192959 Circuit Breaker — **Servicing:** Motors, transformers, battery chargers, machinery, extra low voltage systems

Circuit breaker w/ thread neck for panel mounting. Mounting hole 9.6 mm.

Voltage: Multi
Amp: 5
Length: 79.4 mm
Type: Thermo contact
Plug type: Flat

192960 Circuit Breaker — **Servicing:** Motors, transformers, battery chargers, machinery, extra low voltage systems

Circuit breaker w/ thread neck for panel mounting. Mounting hole 9.6 mm.

Voltage: Multi
Amp: 7
Length: 79.4 mm
Type: Thermo contact
Plug type: Flat

192961 Circuit Breaker — **Servicing:** Motors, transformers, battery chargers, machinery, extra low voltage systems

Circuit breaker w/ thread neck for panel mounting. Mounting hole 9.6 mm.

Voltage: Multi
Amp: 10
Length: 79.4 mm
Type: Thermo contact
Plug type: Flat

192962 Circuit Breaker — **Servicing:** Motors, transformers, battery chargers, machinery, extra low voltage systems

Circuit breaker w/ thread neck for panel mounting. Mounting hole 9.6 mm.

Voltage: Multi
Amp: 15
Length: 79.4 mm
Type: Thermo contact
Plug type: Flat

192963 Circuit Breaker — **Servicing:** Motors, transformers, battery chargers, machinery, extra low voltage systems

Circuit breaker w/ thread neck for panel mounting. Mounting hole 9.6 mm.

Voltage: Multi
Amp: 20
Length: 79.4 mm
Type: Thermo contact
Plug type: Flat

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	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
192964 Circuit Breaker	**Servicing:** Motors, transformers, battery chargers, machinery, extra low voltage systems		
Circuit breaker w/ thread neck for panel mounting. Mounting hole 9.6 mm.			
	Voltage: Multi **Amp:** 25	**Length:** 79.4 mm	**Type:** Thermo contact **Plug type:** Flat

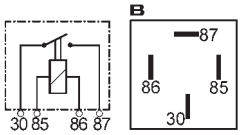
ACCESSORIES

192965 Splash Proof Cover	**Servicing:** HC-CARGO 192959, 192964		
			Colour: Black
192972 Blue Cover	**Servicing:** HC-CARGO 192966, 192971		
For circiut breaker.			
			Colour: Blue
192973 Black Cover	**Servicing:** HC-CARGO 192966, 192971		
For circiut breaker.			
			Colour: Black
192974 Green Cover	**Servicing:** HC-CARGO 192966, 192971		
For circiut breaker.			
			Colour: Green

RELAYS

WORK RELAYS

MINI - 6 V

160652 Mini Relay			
	**Voltage:** 6 **Amp:** 20		**Terminals:** 4 **Bracket:** w/

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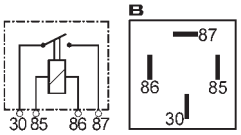
	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

MINI - 12 V

160080 Mini Relay

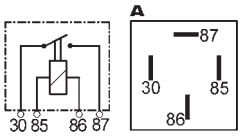


Voltage: 12
Amp: 30

Terminals: 4
Bracket: w/

160083 Mini Relay

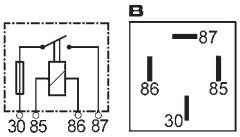
Servicing: BMW



Voltage: 12
Amp: 30

Terminals: 4
Bracket: w/

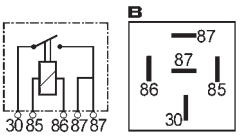
160155 Mini Relay



Voltage: 12
Amp: 15

Type/fuse: ATO
Terminals: 4
Bracket: w/
Yes

160265 Mini Relay

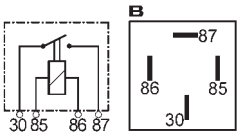


Voltage: 12
Amp: 30

Terminals: 5
Bracket: w/

160282 Mini Relay

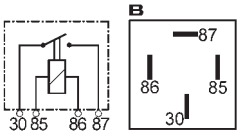
Servicing: 1403010, S115HD24-2, ZGS002, ZGS003, Kia



Voltage: 12
Amp: 40

Terminals: 4
Bracket: w/o

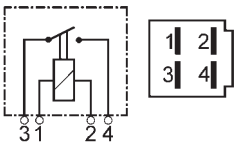
160311 Mini Relay



Voltage: 12
Amp: 40

Terminals: 4
Bracket: w/

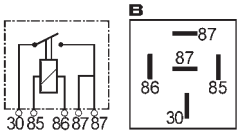
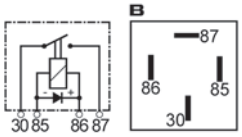
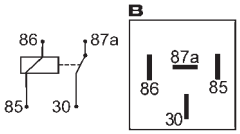
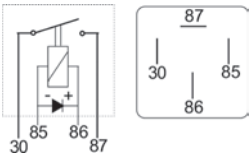
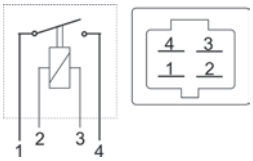
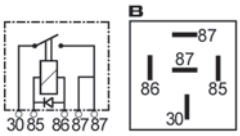
160480 Mini Relay



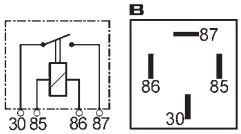
Voltage: 12
Amp: 30

Terminals: 4
Bracket: w/

O.E.M. names and numbers are used for reference purposes only.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
160903 Mini Relay			
	**Voltage:** 12 **Amp:** 40		**Terminals:** 5 **Bracket:** w/
160929 Mini Relay			
	**Voltage:** 12 **Amp:** 40		**Terminals:** 4 **Bracket:** w/ **Diode:** w/
160945 Mini Relay			
	**Voltage:** 12 **Amp:** 20		**Terminals:** 4 **Bracket:** w/
160982 Mini Relay			
	**Voltage:** 12 **Amp:** 40		**Terminals:** 4 **Bracket:** w/ **Diode:** w/
160983 Mini Relay			
	**Voltage:** 12 **Amp:** 30		**Type:** Japanese **Terminals:** 4 **Bracket:** w/
161009 Mini Relay			
	**Voltage:** 12 **Amp:** 40		**Terminals:** 5 **Bracket:** w/ **Diode:** w/

MINI - 12 V HIGH PERFORMANCE

160239 Mini Relay			
w/ two 6.3 mm and two 9.5 mm terminals. (terminals 30 and 87).			
	**Voltage:** 12 **Amp:** 70		**Type:** High performance **Terminals:** 4 **Bracket:** w/

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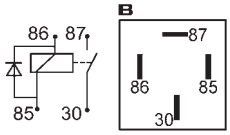
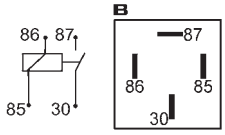
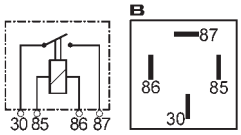
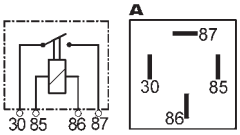
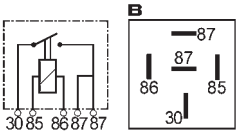
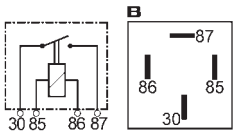
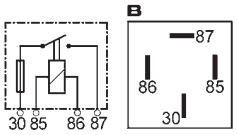
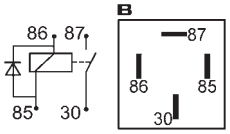
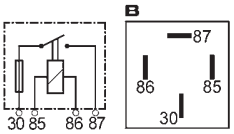
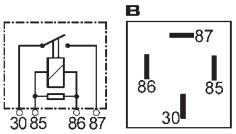
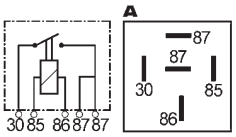
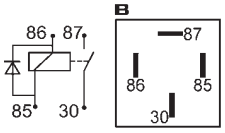
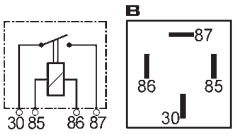
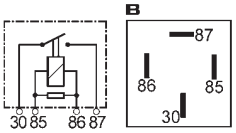
	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
160468 Mini Relay *w/ two 6.3 mm and two 9.5 mm terminals. (terminals 30 and 87).*	**Voltage:** 12 **Amp:** 70		**Type:** High performance **Terminals:** 4 **Bracket:** w/o **Resistor:** w/
160477 Mini Relay *180 A for 15 sec. w/ 2x6.3 mm screws and 2xM6 flat plugs.*	**Voltage:** 12 **Amp:** 100		**Type:** High performance **Terminals:** 4 **Bracket:** w/
160720 Mini Relay	**Voltage:** 12 **Amp:** 120		**Type:** High performance **Terminals:** 4 **Bracket:** w/
160922 Mini Relay	**Voltage:** 12 **Amp:** 140		**Type:** High performance **Terminals:** 4 **Bracket:** w/
160923 Mini Relay	**Voltage:** 12 **Amp:** 200		**Type:** High performance **Terminals:** 4 **Bracket:** w/
160931 Mini Relay *Terminal 85+86=6.3 mm. Terminal 87+30=8 mm.*	**Voltage:** 12 **Amp:** 50		**Type:** High performance **Terminals:** 4 **Bracket:** w/
160940 Mini Relay *w/ double output.*	**Voltage:** 12 **Amp:** 40		**Type:** High performance **Terminals:** 5 **Bracket:** w/

O.E.M. names and numbers are used for reference purposes only.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
160941 Mini Relay			
	**Voltage:** 12 **Amp:** 70		**Type:** High performance **Terminals:** 4 **Bracket:** w/ **Diode:** w/
160946 Mini Relay			
	**Voltage:** 12 **Amp:** 100		**Type:** High performance **Terminals:** 4 **Bracket:** w/o
MINI - 24 V			
160082 Mini Relay			
	**Voltage:** 24 **Amp:** 20		**Terminals:** 4 **Bracket:** w/o
160215 Mini Relay			
	**Voltage:** 24 **Amp:** 20		**Terminals:** 4 **Bracket:** w/
160266 Mini Relay			
	**Voltage:** 24 **Amp:** 20		**Terminals:** 5 **Bracket:** w/
160307 Mini Relay			
	**Voltage:** 24 **Amp:** 20		**Terminals:** 4 **Bracket:** w/o
160473 Mini Relay			
	**Voltage:** 24 **Amp:** 30		**Type/fuse:** ATO **Terminals:** 4 **Bracket:** w/ Yes

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
160890 Mini Relay			
	**Voltage:** 24 **Amp:** 20		**Terminals:** 4 **Bracket:** w/ **Diode:** w/
160926 Mini Relay			
	**Voltage:** 24 **Amp:** 15		**Type/fuse:** ATO **Terminals:** 4 **Bracket:** w/ Yes
160935 Mini Relay			
	**Voltage:** 24 **Amp:** 22		**Terminals:** 4 **Bracket:** w/ **Resistor:** w/
160936 Mini Relay			
w/ double output.			
	**Voltage:** 24 **Amp:** 22		**Terminals:** 5 **Bracket:** w/
160947 Mini Relay			
	**Voltage:** 24 **Amp:** 30		**Terminals:** 4 **Bracket:** w/ **Diode:** w/

MINI - 24 V HIGH PERFORMANCE

160240 Mini Relay			
w/ two 6.3 mm and two 9.5 mm terminals. (terminals 30 and 87).			
	**Voltage:** 24 **Amp:** 40		**Type:** High performance **Terminals:** 4 **Bracket:** w/o
160272 Mini Relay			
w/ two 6.3 mm and two 9.5 mm terminals. (terminals 30 and 87).			
	**Voltage:** 24 **Amp:** 70		**Type:** High performance **Terminals:** 4 **Bracket:** w/o **Resistor:** w/

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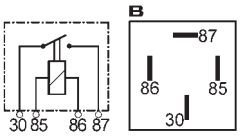
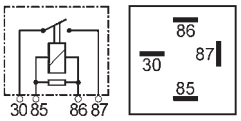
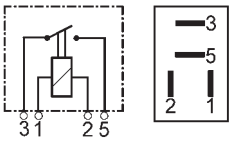
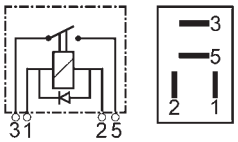
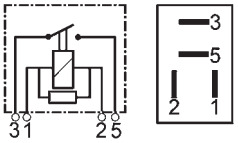
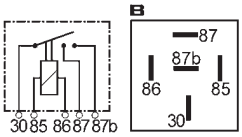
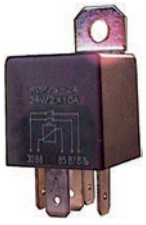
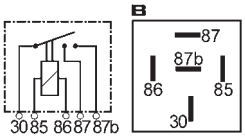
	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
160478 Mini Relay *180 A for 15 sec. w/ 2x6.3 mm screws and 2xM6 flat plugs.*	**Voltage:** 24 **Amp:** 60		**Type:** High performance **Terminals:** 4 **Bracket:** w/
160721 Mini Relay	**Voltage:** 24 **Amp:** 100		**Type:** High performance **Terminals:** 4 **Bracket:** w/
160769 Mini Relay *w/ two 6.3 mm and two 9.5 mm terminals. (terminals 30 and 87).*	**Voltage:** 24 **Amp:** 70		**Type:** High performance **Terminals:** 4 **Bracket:** w/o
160937 Mini Relay	**Voltage:** 24 **Amp:** 40		**Type:** High performance **Terminals:** 4 **Bracket:** w/
160975 Mini Relay	**Voltage:** 24 **Amp:** 70		**Type:** High performance **Terminals:** 4 **Bracket:** w/
160977 Mini Relay	**Voltage:** 24 **Amp:** 50		**Type:** High performance **Terminals:** 4 **Bracket:** w/ **Resistor:** w/
160978 Mini Relay	**Voltage:** 24 **Amp:** 40		**Type:** High performance **Terminals:** 4 **Bracket:** w/o

O.E.M. names and numbers are used for reference purposes only.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
160979 Mini Relay			
	**Voltage:** 24 **Amp:** 30		**Type:** High performance **Terminals:** 4 **Bracket:** w/
161035 Mini Relay	**Servicing:** Scania		
	**Voltage:** 24 **Amp:** 70		**Type:** High performance **Terminals:** 4 **Bracket:** w/ **Resistor:** w/
MICRO			
160363 Micro Relay			
	**Voltage:** 12 **Amp:** 30		**Terminals:** 4 **Bracket:** w/o
160364 Micro Relay			
	**Voltage:** 12 **Amp:** 25		**Terminals:** 4 **Bracket:** w/o **Diode:** w/
160918 Micro Relay			
	**Voltage:** 12 **Amp:** 25		**Terminals:** 4 **Bracket:** w/o **Resistor:** w/
DOUBLE CONTACT			
160168 Relay	**Servicing:** Mercedes-Benz		
	**Voltage:** 12 **Amp:** 2x20		**Terminals:** 5 **Bracket:** w/
160169 Relay			
 	**Voltage:** 24 **Amp:** 2x10		**Terminals:** 5 **Bracket:** w/

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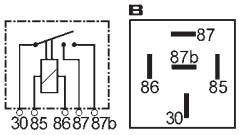
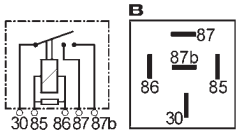
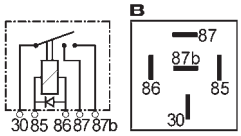
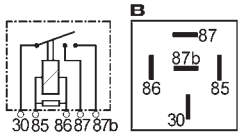
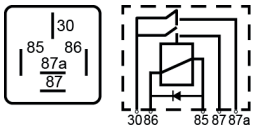
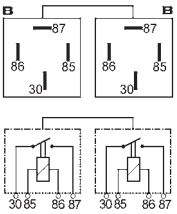
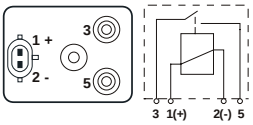
	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
160902 Relay			
	**Voltage:** 12 **Amp:** 2x15		**Terminals:** 5 **Bracket:** w/
160933 Mini Relay			
	**Voltage:** 12 **Amp:** 2x20		**Terminals:** 5 **Bracket:** w/ **Resistor:** w/
160934 Mini Relay			
	**Voltage:** 12 **Amp:** 2x20		**Terminals:** 5 **Bracket:** w/ **Diode:** w/
160938 Relay			
w/ double contact.			
	**Voltage:** 24 **Amp:** 2x10		**Terminals:** 5 **Bracket:** w/ **Resistor:** w/
160939 Relay			
	**Voltage:** 24 **Amp:** 2x10		**Terminals:** 5 **Bracket:** w/ **Diode:** w/

TWIN

160267 Twin Relay	**Servicing:** VW		
	**Voltage:** 12 **Amp:** 2x40		**Terminals:** 2x4 **Bracket:** w/

HIGH PERFORMANCE 12 V

160984 Relay			
	**Voltage:** 12 **Amp:** 300		**Type:** High performance **Terminals:** 3 **Bracket:** w/

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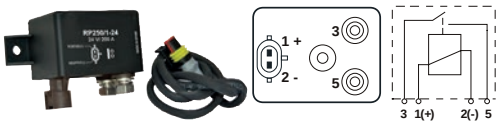
	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

HIGH PERFORMANCE 24 V

160985 Relay



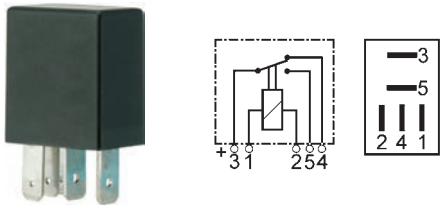
Voltage: 24
Amp: 200

Type: High performance
Terminals: 3
Bracket: w/

CHANGE OVER - 12 V

MICRO

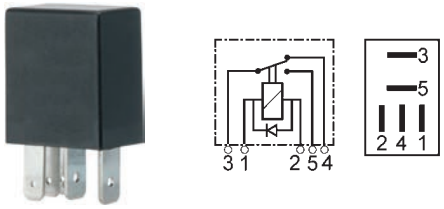
160365 Micro Relay



Voltage: 12
Amp: 20/10

Type: Change Over
Terminals: 5
Bracket: w/o

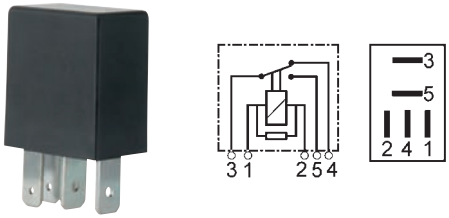
160366 Micro Relay



Voltage: 12
Amp: 15/25

Type: Change Over
Terminals: 5
Bracket: w/o
Diode: w/

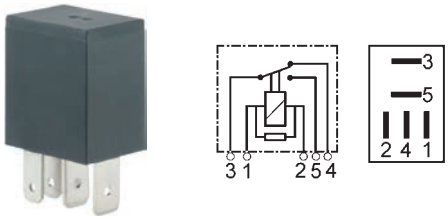
160367 Micro Relay



Voltage: 12
Amp: 15/25

Type: Change Over
Terminals: 5
Bracket: w/o
Resistor: w/

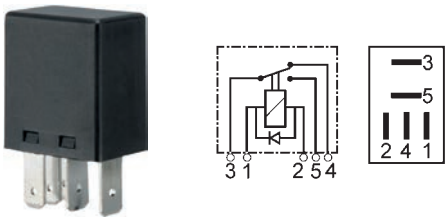
160919 Micro Relay



Voltage: 12
Amp: 20/10

Terminals: 5
Bracket: w/o
Resistor: w/

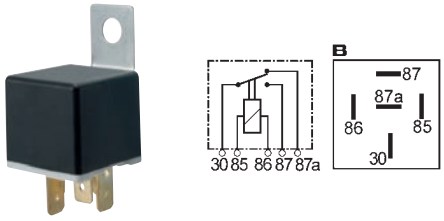
160920 Micro Relay



Voltage: 12
Amp: 20/10

Terminals: 5
Bracket: w/o
Diode: w/

160081 Relay



Voltage: 12
Amp: 20/30

Type: Change Over
Terminals: 5
Bracket: w/

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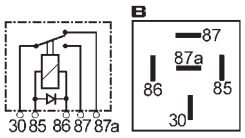
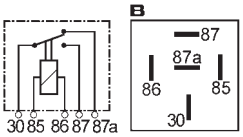
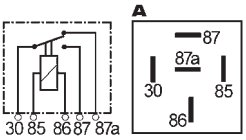
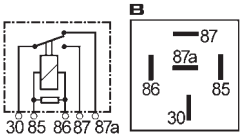
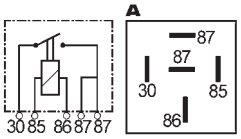
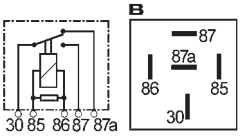
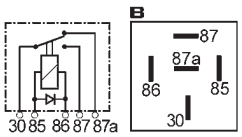
	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
160270 Relay			
	**Voltage:** 12 **Amp:** 20/30		**Type:** Change Over **Terminals:** 5 **Bracket:** w/ **Diode:** w/
160308 Relay			
	**Voltage:** 12 **Amp:** 40/15		**Type:** Change Over **Terminals:** 5 **Bracket:** w/o
160316 Relay			
	**Voltage:** 12 **Amp:** 40/15		**Type:** Change Over **Terminals:** 5 **Bracket:** w/
160403 Relay			
	**Voltage:** 12 **Amp:** 40/15		**Type:** Change Over **Terminals:** 5 **Bracket:** w/ **Resistor:** w/
160921 Relay			
	**Voltage:** 12 **Amp:** 40/15		**Plug type:** Flat **Terminals:** 5 **Bracket:** w/
160932 Relay			
	**Voltage:** 12 **Amp:** 40/15		**Type:** Change Over **Terminals:** 5 **Bracket:** w/ **Resistor:** w/
160942 Relay			
	**Voltage:** 12 **Amp:** 40/15		**Type:** Change Over **Terminals:** 5 **Bracket:** w/ **Diode:** w/

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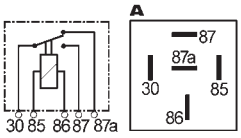
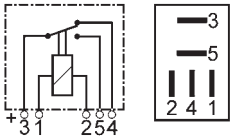
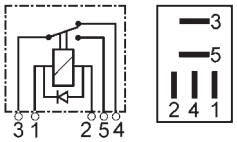
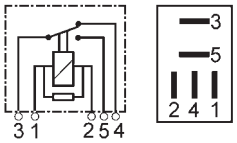
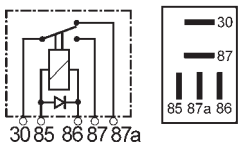
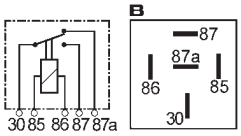
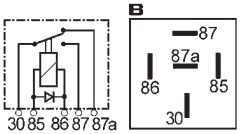
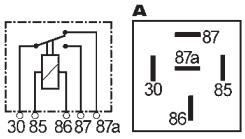
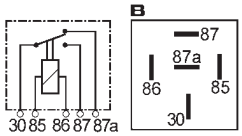
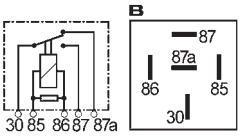
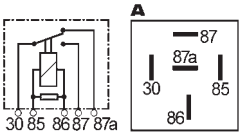
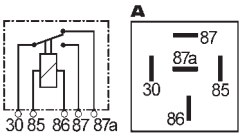
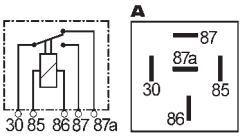
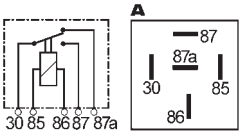
	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
160974 Relay			
	**Voltage:** 12 **Amp:** 40/70		**Type:** Change Over **Terminals:** 2x6.3 mm, 3x9.5 mm **Bracket:** w/

CHANGE OVER - 24 V

MICRO

160368 Micro Relay			
	**Voltage:** 24 **Amp:** 5/10		**Type:** Change Over **Terminals:** 5 **Bracket:** w/o
160521 Micro Relay			
	**Voltage:** 24 **Amp:** 5/10		**Type:** Change Over **Terminals:** 5 **Bracket:** w/o **Diode:** w/
161010 Micro Relay			
	**Voltage:** 24 **Amp:** 5/10		**Type:** Change Over **Terminals:** 5 **Bracket:** w/o **Resistor:** w/
161020 Micro Relay			
	**Voltage:** 24 **Amp:** 10/15		**Type:** Change Over **Terminals:** 5 **Bracket:** w/o **Diode:** w/
160216 Relay			
	**Voltage:** 24 **Amp:** 20/10		**Type:** Change Over **Terminals:** 5 **Bracket:** w/
160271 Relay			
	**Voltage:** 24 **Amp:** 20/10		**Type:** Change Over **Terminals:** 5 **Bracket:** w/ **Diode:** w/

O.E.M. names and numbers are used for reference purposes only.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
160317 Relay			
	**Voltage:** 24 **Amp:** 20/10		**Type:** Change Over **Terminals:** 5 **Bracket:** w/
160337 Relay			
	**Voltage:** 24 **Amp:** 10/22		**Type:** Change Over **Terminals:** 5 **Bracket:** w/o
160394 Relay	**Servicing:** Mercedes, Iveco, Audi		
	**Voltage:** 24 **Amp:** 40/60		**Type:** Change Over **Terminals:** 5 **Bracket:** w/o **Resistor:** w/
160944 Relay			
	**Voltage:** 24 **Amp:** 10/20		**Type:** Change Over **Terminals:** 5 **Bracket:** w/o **Resistor:** w/
160976 Relay			
	**Voltage:** 24 **Amp:** 30/50		**Type:** Change Over **Terminals:** 2x6.3 mm, 3x9.5 mm **Bracket:** w/o
160980 Relay			
	**Voltage:** 24 **Amp:** 30/40		**Type:** Change Over **Terminals:** 5 **Bracket:** w/
160981 Relay			
	**Voltage:** 24 **Amp:** 10/20		**Type:** Change Over **Terminals:** 5 **Bracket:** w/

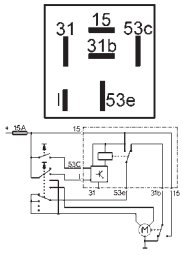
O.E.M. names and numbers are used for reference purposes only.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

TIME DELAY - 12 V

160297 Time Delay Relay — **Servicing:** Alfa Romeo, Opel, Audi, VW, Renault, Citroen, Peugeot, Volvo, Seat, Saab, Porsche, Skoda, Ford, Vauxhall, Alfa Romeo

For windshield wiper and washer. Also for universal use.

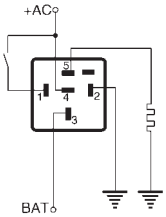


Voltage: 12
Amp: 15

Delay time: 3.5 sec.

Terminals: 6
Bracket: w/o

160570 Relay Time Delay — **Servicing:** Universal



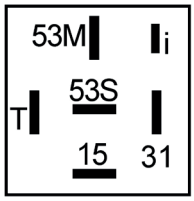
Voltage: 12
Amp: 20

Delay time: 10 min.

Terminals: 5
Bracket: w/o

160749 Relay — **Servicing:** Audi, VW

Washing/wiper unit w/ changeable intervals.

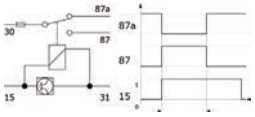


Voltage: 12
Amp: 30

Delay time: 0.5 sec

Terminals: 6
Bracket: w/o

160992 Time Delay Relay



Voltage: 12
Amp: 20

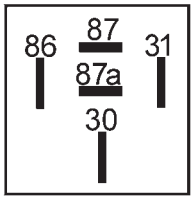
Delay time: 3.5 sec

Type: Delay off
Terminals: 5
Bracket: w/

TIME DELAY - 24 V

160466 Time Delay Relay

For A/C compressor, bus doors and time delayed motors.



Voltage: 24
Amp: 5

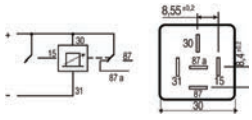
Delay time: 4 sec

Terminals: 5
Bracket: w/o

MULTITIMER

160927 Multitimer Relay

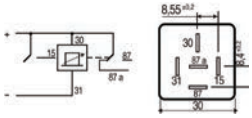
0.5 sec.-6 hours.



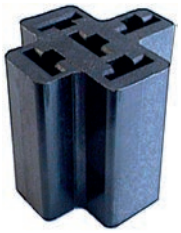
Voltage: 12
Amp: 10

Terminals: 5
Bracket: w/o

O.E.M. names and numbers are used for reference purposes only.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
160928 Multitimer Relay *0.5 sec.-6 hours.*			
	**Voltage:** 24 **Amp:** 10		**Terminals:** 5 **Bracket:** w/o
161008 Multitimer Relay *0.5 sec.-10 hours.*			
	Voltage: 12 **Amp:** 10		**Terminals:** 5 **Bracket:** w/o

MULTI PLUGS

190766 Relay Multiplug *Sockets can be built together. 5x6.3 mm flat plug terminals. 4x2.8 mm flat plug terminals.*			
			Type: Socket **No./poles:** 9 **Plug:** Female
190767 Relay Multiplug *6.3 mm.*			
			**Type:** Socket **Type/terminal:** Flat **No./poles:** 5
191026 Relay Multiplug *Sockets can be built together. 2x9.5 mm flat plug terminals. 3x6.3 mm flat plug terminals. 4x2.8 mm flat plug terminals.*			
			Type: Socket **No./poles:** 9
191752 Relay Multiplug *Sockets can be built together. 2x6.3 mm flat plug terminals. 3x4.7 mm flat plug terminals.*			
			Type: Socket **No./poles:** 5

O.E.M. names and numbers are used for reference purposes only.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

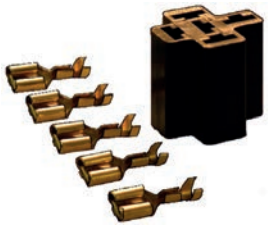
KITS

192158 Relay Multiplug Kit

Contents: 1x HC-CARGO 190766, 5x HC-CARGO 190252, 4x HC-CARGO 191083.

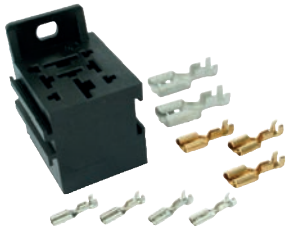
192159 Relay Multiplug Kit

Content: 1x HC-CARGO 190767, 5x HC-CARGO 190252.



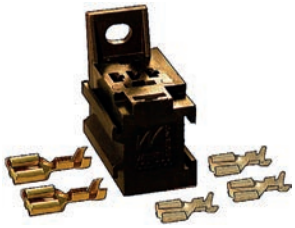
192160 Relay Multiplug Kit

Contents: 1x HC-CARGO 191026, 2x HC-CARGO 191025, 3x HC-CARGO190252, 4x HC-CARGO 191083.



192161 Relay Multiplug Kit

Content: 1x HC-CARGO 191752, 2x HC-CARGO 190252, 3x HC-CARGO 191089.



TRAILER SWITCH BOXES

160167 Relay Box

Servicing: For 12 V trailer pulled by a 24 V vehicle

Switches the voltage from 24 V to 12 V by 5 relays. Run at 24 V and leading 12 V from one of the batteries or converter to the lamps of the trailer. For continous use it has to be connected via a converter. For internal mounting.

EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
Voltage: 12/24 **Amp:** 10 **Watt:** 250	**Dim.:** 100x100x58 mm	**No./poles:** 7 **Relay switch:** Yes

160797 Relay Box

To reduce voltage drop, if you use vehicles w/ trailer. Fitted w/ 5x12 V relays the 12 V function will not be affected.

EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
Voltage: 12/12 **Amp:** 5x8 **Watt:** 5x250	**Dim.:** 100x100x58 mm	**No./poles:** 7 **Relay switch:** Yes

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	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

BOXES

191410 Relay Box

Can be assambled in rows (terminals: HC-CARGO 190252 or 191029).

Capacity: 4
Assembling: Yes

Regulator type: Standard
Colour: Transparent
Terminals: w/
Lock: w/

191818 Relay Box

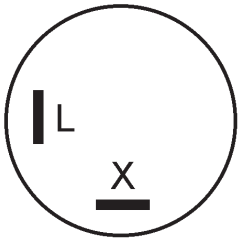
Can be assambled in rows (terminals: HC-CARGO 190252 or 191029).

Capacity: 7
Assembling: Yes

Regulator type: Micro
Colour: Transparent
Terminals: w/
Lock: w/

FLASHER UNITS - 12 V

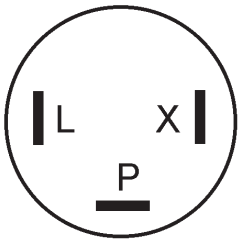
160115 Flasher Unit



Voltage: 12
Watt: 138

Terminals: 2
Bracket: w/o

160116 Flasher Unit

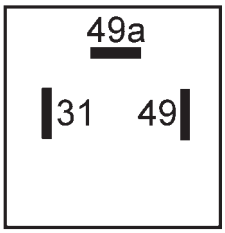


Voltage: 12
Watt: 138

Terminals: 3
Bracket: w/o

160242 Flasher Unit

Servicing: Alfa Romeo, Audi, Bedford, Ford, Nissan, Opel, Toyota

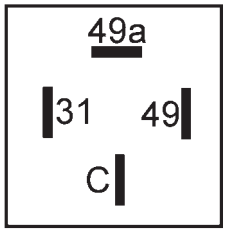


Voltage: 12
Watt: 2/4x21

Terminals: 3
Bracket: w/

160243 Flasher Unit

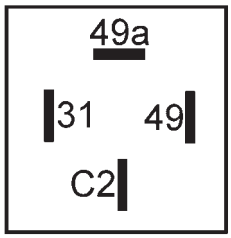
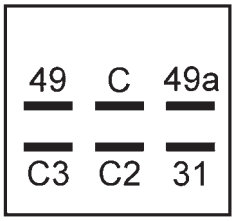
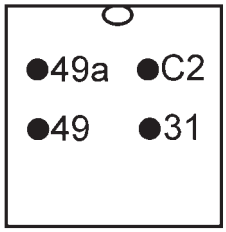
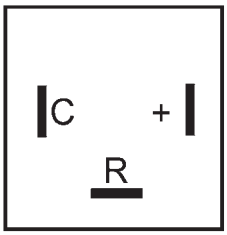
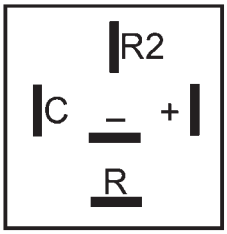
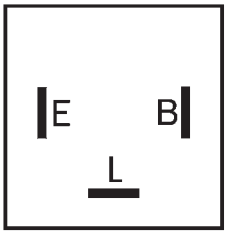
Servicing: Alfa Romeo, Audi, Austin, BMW, Citroen, Fiat, Ford, Honda, Iveco, Lada, Lancia, Mercedes-Benz, Opel, Peugeot, Porsche



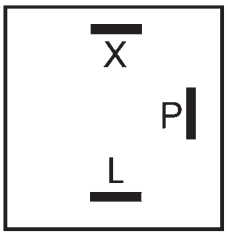
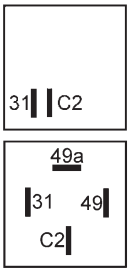
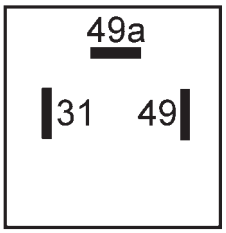
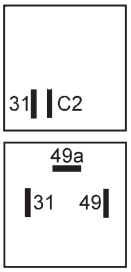
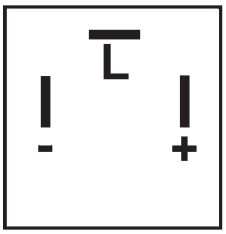
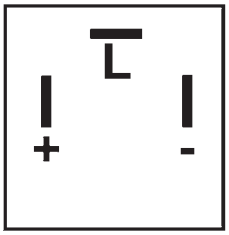
Voltage: 12
Watt: 2/4x21

Terminals: 4
Bracket: w/

O.E.M. names and numbers are used for reference purposes only.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
160244 Flasher Unit	**Servicing:** Audi, Austin, BMW, Citroen, Daihatsu, Fiat, Ford, Honda, Lada, Lancia, Lexus, Mazda, Mercedes-Benz, Mitsubishi, Nissan		
For vehicles w/ towbars.			
	**Voltage:** 12 **Watt:** 2+1/6x21		**Terminals:** 4 **Bracket:** w/
160263 Flasher Unit			
	**Voltage:** 12 **Watt:** 2+1+1/8x21		**Terminals:** 6 **Bracket:** w/
160305 Flasher Unit	**Servicing:** Mercedes-Benz		
For vehicles w/ towbars.			
	**Voltage:** 12 **Watt:** 2+1/6x21		**Terminals:** 4 **Bracket:** w/o
160312 Flasher Unit			
Interchangeable w/ all 4 terminal device (+, - ,C, R). for SAE standard vehicles (France, Italy, USA, Spain).			
	**Voltage:** 12 **Watt:** 2/4x21		**Terminals:** 3 **Bracket:** w/
160314 Flasher Unit	**Servicing:** Alfa Romero, Renault, Fiat, Lancia, Lada, Alfa Romeo, BMW, Fiat, Lada, Lancia, Renault		
For vehicles w/ towbars. For SAE standard vehicles (France, Italy, USA, Spain).			
	**Voltage:** 12 **Watt:** 2+1/6x21		**Terminals:** 5 **Bracket:** w/
160315 Flasher Unit	**Servicing:** Japanese vehicles		
	**Voltage:** 12 **Watt:** 2/4x21		**Terminals:** 3 **Bracket:** w/o

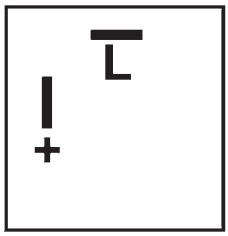
O.E.M. names and numbers are used for reference purposes only.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
160341 Flasher Unit	**Servicing:** Alfa Romeo, Audi, Austin, BMW, Citroen, Fiat, Ford, Honda, Lada, Mercedes-Benz, Opel, Peugeot, Porsche		
	**Voltage:** 12 **Amp:** 16 **Watt:** 180		**Terminals:** 3 **Bracket:** w/
160402 Flasher Unit			
For vehicles w/ towbars.			
	**Voltage:** 12 **Watt:** 2+1/6x21		**Terminals:** 4+2/top **Bracket:** w/o
160474 Flasher Unit			
	**Voltage:** 12 **Watt:** 2/4x21		**Terminals:** 3 **Bracket:** w/o
160475 Flasher Unit			
For vehicles w/ towbars.			
	**Voltage:** 12 **Watt:** 2+1/6x21		**Terminals:** 3+2/top **Bracket:** w/o
W/ LED			
160948 Flasher Unit			
	**Voltage:** 12 **Watt:** 0.1-150	**Height:** 30 mm	**Plug type:** Flat **Terminals:** 3 **Bracket:** w/o
160949 Flasher Unit			
	**Voltage:** 12 **Watt:** 0.1-150	**Height:** 30 mm	**Plug type:** Flat **Terminals:** 3 **Bracket:** w/o

O.E.M. names and numbers are used for reference purposes only.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

160950 Flasher Unit

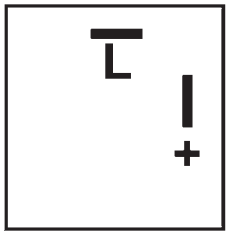


Voltage: 12
Watt: 0.1-150

Height: 30 mm

Plug type: Flat
Terminals: 2
Bracket: w/o

160951 Flasher Unit



Voltage: 12
Watt: 0.1-150

Height: 30 mm

Plug type: Flat
Terminals: 2
Bracket: w/o

160954 i-LS sensor

In combination w/ an I-LS flasher unit, the I-LS sensor secures the legal requirements of "lamp failure warning".

Voltage: 12

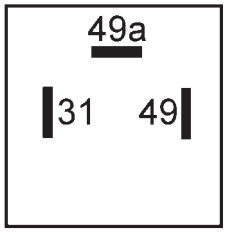
Height: 26 mm

Terminals: 3
Bracket: w/o

160956 Flasher Unit i-LS

Servicing: Vehicles w/ 2 LED lamps on front or rear

In combination w/ an I-LS sensor, the I-LS flasher relay secures the legal requirements of "lamp failure warning" by installed LED lamps.



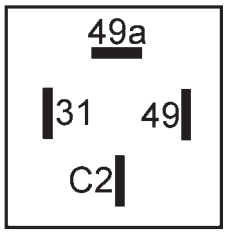
Voltage: 12
Watt: 90

Terminals: 3
Bracket: w/

160957 Flasher Unit i-LS

Servicing: Vehicles w/ trailer, w/ 2 LED lamps

In combination w/ an I-LS sensor, the I-LS flasher relay secures the legal requirements of "lamp failure warning" by installed LED lamps.



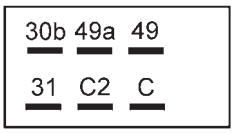
Voltage: 12
Watt: 170

Terminals: 4
Bracket: w/

FLASHER UNITS - 24 V

160199 Flasher Unit

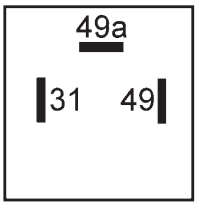
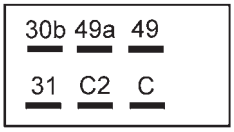
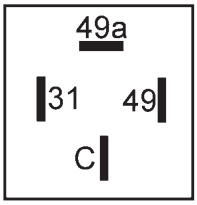
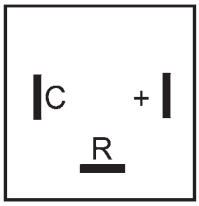
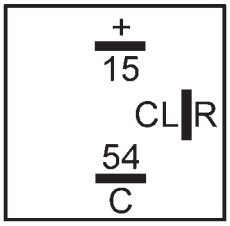
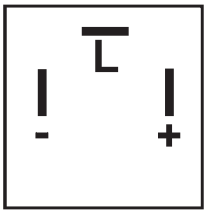
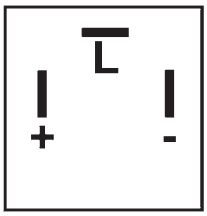
Servicing: Mazda, Volvo



Voltage: 24
Watt: 3+1/8x21

Terminals: 6
Bracket: w/

O.E.M. names and numbers are used for reference purposes only.

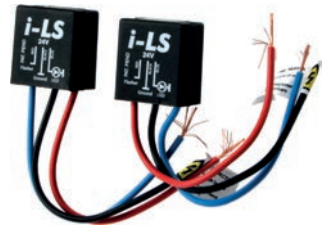
	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
160261 Flasher Unit	**Servicing:** Mercedes-Benz		
	**Voltage:** 24 **Watt:** 2/4x21		**Terminals:** 3 **Bracket:** w/
160262 Flasher Unit			
	**Voltage:** 24 **Watt:** 2+1/6x21		**Terminals:** 6 **Bracket:** w/
160296 Flasher Unit			
	**Voltage:** 24 **Watt:** 2/4x21		**Terminals:** 4 **Bracket:** w/
160313 Flasher Unit			
Interchangeable w/ all 4 terminal device (+, - ,C, R). for SAE standard vehicles (France, Italy, USA, Spain).			
	**Voltage:** 24 **Watt:** 2/4x21		**Terminals:** 3 **Bracket:** w/
160716 Flasher Unit			
	**Voltage:** 24 **Watt:** 500		**Plug type:** Flat **Terminals:** 3 **Bracket:** w/
W/ LED			
160952 Flasher Unit			
	**Voltage:** 24 **Watt:** 0.1-150	**Height:** 30 mm	**Plug type:** Flat **Terminals:** 3 **Bracket:** w/o
160953 Flasher Unit			
	**Voltage:** 24 **Watt:** 0.1-150	**Height:** 30 mm	**Plug type:** Flat **Terminals:** 3 **Bracket:** w/o

O.E.M. names and numbers are used for reference purposes only.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

160955 i-LS Sensor

In combination w/ an I-LS flasher unit, the I-LS sensor secures the legal requirements of "lamp failure warning".

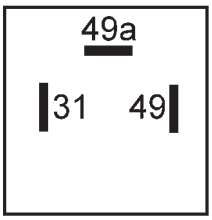


Voltage: 24

Terminals: 3
Bracket: w/o

160958 Flasher Unit i-LS — **Servicing:** Vehicles w/ 2 LED lamps on front or rear

In combination w/ an I-LS sensor, the I-LS flasher relay secures the legal requirements of "lamp failure warning" by installed LED lamps.

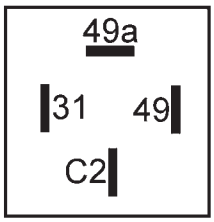


Voltage: 24
Watt: 90

Terminals: 3
Bracket: w/

160959 Flasher Unit i-LS — **Servicing:** Vehicles w/ trailer, w/ 2 LED lamps

In combination w/ an I-LS sensor, the I-LS flasher relay secures the legal requirements of "lamp failure warning" by installed LED lamps.



Voltage: 24
Watt: 170

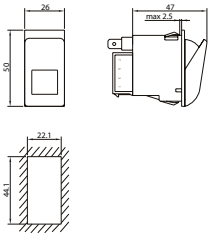
Terminals: 4
Bracket: w/

SWITCHES

ROCKER

181638 Rocker Switch

w/o symbol plate. Illuminated w/ location and function light. Bulb: HC-CARGO 181615, 181667 (LED).



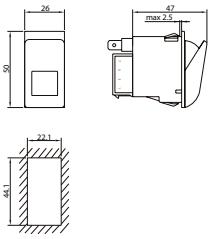
Voltage: 12
Watt: 1.2

Mount. hole size:
22.1x44.1 mm

Socket type: T5
Switch: On/Off
No./terminals w/screw: 4
Bulb incl.: Yes
Automatic return: Yes

181639 Rocker Switch

w/o symbol plate. Illuminated w/ location and function light. Bulb: HC-CARGO 181632, 181668 (LED).



Voltage: 24
Watt: 1.2

Mount. hole size:
22.1x44.1 mm

Socket type: T5
Switch: On/Off
No./terminals w/screw: 4
Bulb incl.: Yes
Automatic return: Yes

181640 Rocker Switch

w/o symbol plate. Illuminated w/ location and function light. Bulb: HC-CARGO 181615, 181667 (LED), 181632, 181668 (LED).

Voltage: dec-24

Mount. hole size:
22.1x44.1 mm

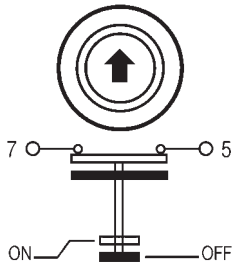
Type/terminal: Flat
Switch: (On)/Off/(On)
Terminals: 6
Bulb incl.: No
Automatic return: Yes

O.E.M. names and numbers are used for reference purposes only.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

MULTI PURPOSE

181249 Push Switch

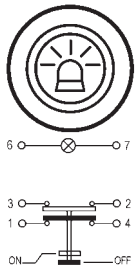


Voltage: 12
Voltage 2: 24
Amp 2: 25

Mount. hole size:
30.5 mm

Button symbol: Lift & lower
Switch: Off/(On)
No./terminals w/screw: 2
DIN norm: 40053
Protection degree: IP 67

181251 Push Switch

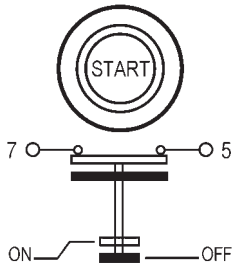


Voltage: 12
Voltage 2: 24
Amp 2: 25

Mount. hole size:
30.5 mm

Button symbol: Rotating beacon
Switch: On/Off
No./terminals w/screw: 6
Illuminated: Yes
DIN norm: 40053
Protection degree: IP 67

181252 Push Switch

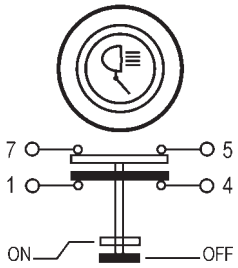


Voltage: 12
Voltage 2: 24
Amp 2: 25

Mount. hole size:
30.5 mm

Button symbol: Start
Switch: Off/(On)
No./terminals w/screw: 2
DIN norm: 40053
Protection degree: IP 67

181253 Push Switch

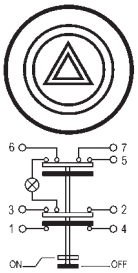


Voltage: 12
Voltage 2: 24
Amp 2: 25

Mount. hole size:
30.5 mm

Button symbol: Adjustable light
Switch: On/Off
No./terminals w/screw: 4
Illuminated: Yes
DIN norm: 40053
Protection degree: IP 67

181256 Push Switch

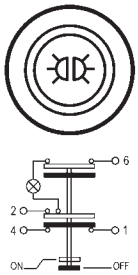


Voltage: 12
Voltage 2: 24
Amp 2: 25

Mount. hole size:
30.5 mm

Button symbol: Hazard Warning Lamp
Switch: On/Off
No./terminals w/screw: 7
Illuminated: Yes
Automatic return: Yes
DIN norm: 40053
Protection degree: IP 67

181257 Push Switch

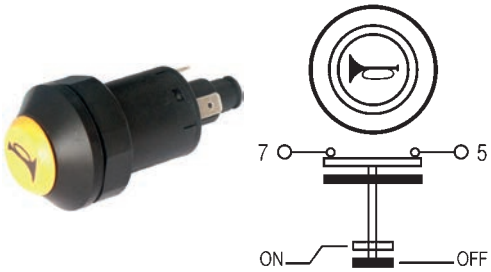
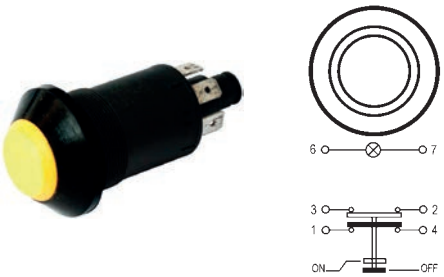


Voltage: 12
Voltage 2: 24
Amp 2: 25

Mount. hole size:
30.5 mm

Button symbol: Sidemarker
Switch: On/Off
No./terminals w/screw: 4
Illuminated: Yes
DIN norm: 40053
Protection degree: IP 67

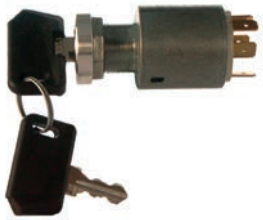
O.E.M. names and numbers are used for reference purposes only.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
181258 Push Switch			
	**Voltage:** 12 **Voltage 2:** 24 **Amp 2:** 25	**Mount. hole size:** 30.5 mm	**Button symbol:** Horn **Switch:** Off/(On) **No./terminals w/screw:** 2 **DIN norm:** 40053 **Protection degree:** IP 67
181263 Push Switch			
	**Voltage:** 12 **Voltage 2:** 24 **Amp 2:** 25	**Mount. hole size:** 30.5 mm	**Switch:** On/Off **No./terminals w/screw:** 6 **Illuminated:** Yes **Automatic return:** Yes **DIN norm:** 40053 **Protection degree:** IP 67
181264 Multi Socket			
For multi purpose switches.			
			Type/terminal: Flat **No./poles:** 7

IGNITION/LIGHT

180045 Ignition/Light Switch			
Spare key: HC-CARGO 180341.			
		Mount. hole size: 26.5 mm	**Switch combination:** Parkinglight-off-ignition-sidelight-DRL **No./keys:** 2 **Terminals:** 6
180324 Ignition/Light Switch			
Spare key: HC-CARGO 180341.			
		Mount. hole size: 26.5 mm	**Switch combination:** Parkinglight-off-ignition-sidelight-DRL **No./keys:** 2 **Terminals:** 7

IGNITION STARTER

180027 Ignition Starter Switch			
Spare key: HC-CARGO 180339. Multiplug: HC-CARGO 181597.			
		**Mount. hole size:** 18.5 mm	**Switch combination:** Off-ignition-start **No./keys:** 2 **Terminals:** 5

O.E.M. names and numbers are used for reference purposes only.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
180041 Ignition Starter Switch			
Spare key: HC-CARGO 180340.			
		Mount. hole size: 26.5 mm	**Switch combination:** Parking light-off-start **No./keys:** 2 **Terminals:** 7 **DIN norm:** 40050 **Protection degree:** IP 63
180043 Ignition Starter Switch			
Spare key: HC-CARGO 180339.			
		Mount. hole size: 18.5 mm	**Switch combination:** Off-aux-ignition-start **No./keys:** 2 **Terminals:** 4
181518 Ignition Starter Switch			
Spare key: HC-CARGO 180339.			
		Mount. hole size: 22.5 mm **Positions:** 1 (start)	**Switch combination:** Off-ignition-start **No./keys:** 2 **Terminals:** 5

SPARE KEYS

180339 Spare Key	**Servicing:** HC-CARGO 180025, 180027, 180043, 181518		
180340 Spare Key	**Servicing:** HC-CARGO 180041, 180044		
180341 Spare Key	**Servicing:** HC-CARGO 180045, 180324		
181465 Spare Key	**Servicing:** HC-CARGO 181235, 181236, 181237		
			Material: Metal

O.E.M. names and numbers are used for reference purposes only.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

DIESEL STARTER

180044 Ignition Switch — **Servicing:** Deutz, IH

Supplied w/ 2 keys. Spare key: HC-CARGO 180340. Multiplug: HC-CARGO 181595, 181596.

Mount. hole size: 26.5 mm
Positions: 5

Switch combination: Parking light-off-ignition-glow-start
Terminals: 10
DIN norm: 40050
Protection degree: IP 63

181235 Ignition Switch — **Servicing:** Massey Ferguson

Spare key: HC-CARGO 181465.

Mount. hole size: 16 mm
Positions: 4

Switch combination: Off-ignition-glow-start
No./keys: 2
Terminals: 6

181236 Ignition Switch — **Servicing:** Massey Ferguson

Spare key: HC-CARGO 181465.

Mount. hole size: 16 mm
Positions: 4

Switch combination: Start-Off-Glow-Start
No./keys: 2
Terminals: 4

181237 Ignition Switch — **Servicing:** Massey Ferguson

Spare key: HC-CARGO 181465.

Mount. hole size: 16 mm
Positions: 5

Switch combination: Off-aux-ignition-glow-start
No./keys: 2
Terminals: 7

181598 Rubber Boot — **Servicing:** HC-CARGO 180044

CABLE & WIRING

CHARGING CLIPS

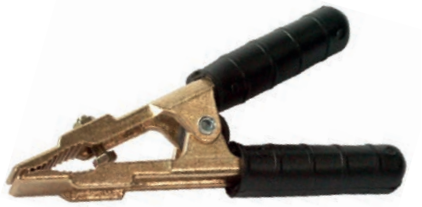
192196 Charging Clips

Amp: 275

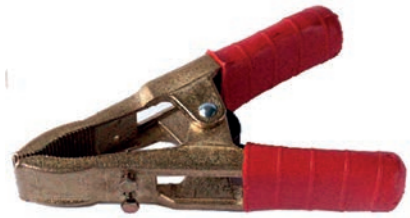
Cable dim.: 16 mm²

Colour: Red
Material: Moulded brass

O.E.M. names and numbers are used for reference purposes only.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
192197 Charging Clips			
	Amp: 275	**Cable dim.:** 16 mm²	**Colour:** Black **Material:** Moulded brass
192293 Charging Clips			
Lenght: 210 mm.			
	Amp: 420	**Cable dim.:** 35-50 mm²	**Colour:** Red **Material:** PP/PVC
192294 Charging Clips			
Lenght: 210 mm.			
	Amp: 420	**Cable dim.:** 35-50 mm²	**Colour:** Black **Material:** PP/PVC
192386 Charging Clips			
	Amp: 275	**Cable dim.:** 16 mm²	**Colour:** Red **Material:** Moulded brass
192387 Charging Clips			
	**Amp:** 275	**Cable dim.:** 16 mm²	**Colour:** Black **Material:** Moulded brass
192388 Charging Clips			
	Amp: 320	**Cable dim.:** 25 mm²	**Colour:** Red **Material:** Moulded brass
192389 Charging Clips			
	Amp: 320	**Cable dim.:** 25 mm²	**Colour:** Black **Material:** Moulded brass

O.E.M. names and numbers are used for reference purposes only.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
192390 Charging Clips			
	**Amp:** 420	**Cable dim.:** 50 mm²	**Colour:** Red **Material:** Moulded brass
192391 Charging Clips			
	Amp: 420	**Cable dim.:** 50 mm²	**Colour:** Black **Material:** Moulded brass
192903 Charging clips, red			
	Amp: 1200	**Cable dim.:** 25-50 mm²	**Colour:** Red **Material:** Brass
192904 Charging clips, red			
	Amp: 1200	**Cable dim.:** 25-50 mm²	**Colour:** Black **Material:** Brass
FULLY INSULATED			
192204 Charging clips 600A,red			
	Amp: 600	**Cable dim.:** 25-50 mm²	**Colour:** Red **Material:** Compressed steel **Fully insulated:** Yes **Braided link:** w/
192205 Charging clips 600A, BL			
	Amp: 600	**Cable dim.:** 25-50 mm²	**Colour:** Black **Material:** Compressed steel **Fully insulated:** Yes **Braided link:** w/
192398 Charging Clips			
	Amp: 600	**Cable dim.:** 50 mm²	**Colour:** Red **Material:** Copper/Brass **Fully insulated:** Yes **Braided link:** w/

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	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
192399 Charging Clips			
	Amp: 600	**Cable dim.:** 50 mm²	**Colour:** Black **Material:** Copper/Brass **Fully insulated:** Yes **Braided link:** w/
192559 Charging Clips 500 A *Ergonomic.*			
	Amp: 500	**Cable dim.:** 25-50 mm²	**Colour:** Red **Material:** Moulded brass **Fully insulated:** Yes
192560 Charging Clips 500 A *Ergonomic.*			
	Amp: 500	**Cable dim.:** 25-50 mm²	**Colour:** Black **Material:** Moulded brass **Fully insulated:** Yes

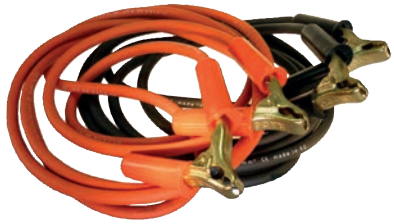
CABLES

BOOSTER

STEEL CLIPS

192206 Booster cable set 10 mm2			
	Amp: 80	**Conductor dim. 1:** 10 mm² **Conductor dim. 2:** 79/0.4 mm **Length:** 2.5 m	**Colour:** Red/black **Material:** Galvanised steel **No./wires:** 2
192207 Booster cable set 16 mm2			
	Amp: 100	**Conductor dim. 1:** 16 mm² **Conductor dim. 2:** 126/0.4 mm **Length:** 2.5 m	**Colour:** Red/black **Material:** Galvanised steel **No./wires:** 2
192208 Booster cable set 25 mm2			
	Amp: 120	**Conductor dim. 1:** 25 mm² **Conductor dim. 2:** 188/0.4 mm **Length:** 2.5 m	**Colour:** Red/black **Material:** Galvanised steel **No./wires:** 2

O.E.M. names and numbers are used for reference purposes only.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
BRASS CHARGING CLIPS			
192209 Booster cables			
	Amp: 230	**Conductor dim. 1:** 25 mm² **Conductor dim. 2:** 770/0.2 mm **Length:** 3.5 m	**Colour:** Red/black **Material:** Moulded brass **No./wires:** 2 **BS-approved:** BS638
192210 Booster cable set 35 mm2			
	Amp: 290	**Conductor dim. 1:** 35 mm² **Conductor dim. 2:** 1083/0.2 mm **Length:** 3.5 m	**Colour:** Red/black **Material:** Moulded brass **No./wires:** 2 **BS-approved:** BS638
192211 Booster cable set 50 mm2			
	Amp: 370	**Conductor dim. 1:** 50 mm² **Conductor dim. 2:** 1558/0.2 mm **Length:** 3.5 m	**Colour:** Red/black **Material:** Moulded brass **No./wires:** 2 **BS-approved:** BS638
192212 Booster cable set 50 mm2			
	**Amp:** 370	**Conductor dim. 1:** 50 mm² **Conductor dim. 2:** 1558/0.2 mm **Length:** 5 m	**Colour:** Red/black **Material:** Moulded brass **No./wires:** 2 **BS-approved:** BS638
192295 Booster cableset			
	Amp: 135	**Conductor dim. 1:** 35 mm² **Conductor dim. 2:** 265/0.41 mm **Length:** 3.5 m	**Colour:** Red/black **Material:** Moulded brass **No./wires:** 2
192296 Booster cableset			
	Amp: 160	**Conductor dim. 1:** 50 mm² **Conductor dim. 2:** 378/0.41 mm **Length:** 5 m	**Colour:** Red/black **Material:** Moulded brass **No./wires:** 2
192844 Booster Cable 5m 35mm²			
	Amp: 290	**Conductor dim. 1:** 35 mm² **Conductor dim. 2:** 1008/0.2 mm **Length:** 5 m	**Colour:** Red/black **Material:** Moulded brass **No./wires:** 2 **BS-approved:** BS638

O.E.M. names and numbers are used for reference purposes only.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

FULLY INSULATED CLIPS

192213 Booster cable set 35 mm2

Amp: 290

Conductor dim. 1: 35 mm²
Conductor dim. 2: 1083/0.2 mm
Length: 3.5 m

Colour: Red/black
No./wires: 2
Insulator: Yes
Braided link: w/
BS-approved: BS638

192214 Booster cable set 50 mm2

Amp: 370

Conductor dim. 1: 50 mm²
Conductor dim. 2: 1558/0.2 mm
Length: 3.5 m

Colour: Red/black
Material: Compressed steel
No./wires: 2
Insulator: Yes
Braided link: w/
BS-approved: BS638

192215 Booster cable set 50 mm2

Amp: 370

Conductor dim. 1: 50 mm²
Conductor dim. 2: 1558/0.2 mm
Length: 5 m

Colour: Red/black
Material: Compressed steel
No./wires: 2
Insulator: Yes
Braided link: w/
BS-approved: BS638

192384 Booster cable

Amp: 290

Conductor dim. 1: 35 mm²
Conductor dim. 2: 1083/0.2 mm
Length: 3.5 m

Colour: Red/black
Material: Copper/Brass
No./wires: 2
Insulator: Yes
Braided link: w/
DIN no.: 72553

192385 Booster cable

Amp: 370

Conductor dim. 1: 50 mm²
Conductor dim. 2: 1558/0.2 mm
Length: 5 m

Colour: Red/black
Material: Copper/Brass
No./wires: 2
Insulator: Yes
Braided link: w/
DIN no.: 72553

HOSES

PLASTIC

	HC-CARGO	ID min	ID max	Width	Spanner size	Ref. no.	Coating	Material
	190097							

O.E.M. names and numbers are used for reference purposes only.

CLAMPS

HOSE

HC-CARGO	ID min	ID max	Width	Spanner size	Ref. no.	Coating	Material
190157	8 mm	14 mm	9 mm	7 mm	15	El. galvanized, Alu/zinc, Lacquered	Steel
193027	8 mm	14 mm	10 mm	7 mm	15	El. galvanized, Alu/zinc, Lacquered	Carbon steel
190158	11 mm	17 mm	9 mm	7 mm	17	El. galvanized, Alu/zinc, Lacquered	Steel
193028	11 mm	17 mm	10 mm	7 mm	17	El. galvanized, Alu/zinc, Lacquered	Carbon steel
190159	13 mm	20 mm	9 mm	7 mm	22	El. galvanized, Alu/zinc, Lacquered	Steel
193029	13 mm	20 mm	10 mm	7 mm	22	El. galvanized, Alu/zinc, Lacquered	Carbon steel
190160	15 mm	24 mm	12 mm	7 mm	25	El. galvanized, Alu/zinc, Lacquered	Steel
193030	15 mm	24 mm	12 mm	7 mm	25	El. galvanized, Alu/zinc, Lacquered	Carbon steel
190161	19 mm	28 mm	12 mm	7 mm	28	El. galvanized, Alu/zinc, Lacquered	Steel
193031	19 mm	28 mm	12 mm	7 mm	28	El. galvanized, Alu/zinc, Lacquered	Carbon steel
190162	22 mm	32 mm	12 mm	7 mm	32	El. galvanized, Alu/zinc, Lacquered	Steel
193032	22 mm	32 mm	12 mm	7 mm	32	El. galvanized, Alu/zinc, Lacquered	Carbon steel
190163	26 mm	38 mm	12 mm	7 mm	40	El. galvanized, Alu/zinc, Lacquered	Steel
193033	26 mm	38 mm	12 mm	7 mm	40	El. galvanized, Alu/zinc, Lacquered	Carbon steel
190164	32 mm	44 mm	12 mm	7 mm	45	El. galvanized, Alu/zinc, Lacquered	Steel
193034	32 mm	44 mm	12 mm	7 mm	45	El. galvanized, Alu/zinc, Lacquered	Carbon steel
190165	38 mm	50 mm	12 mm	7 mm	51	El. galvanized, Alu/zinc, Lacquered	Steel
193035	38 mm	50 mm	12 mm	7 mm	51	El. galvanized, Alu/zinc, Lacquered	Carbon steel
190166	44 mm	56 mm	12 mm	7 mm	56	El. galvanized, Alu/zinc, Lacquered	Steel
193036	44 mm	56 mm	12 mm	7 mm	56	El. galvanized, Alu/zinc, Lacquered	Carbon steel
190167	50 mm	65 mm	12 mm	7 mm	65	El. galvanized, Alu/zinc, Lacquered	Steel
193037	50 mm	65 mm	12 mm	7 mm	65	El. galvanized, Alu/zinc, Lacquered	Carbon steel
190168	58 mm	75 mm	12 mm	7 mm	75	El. galvanized, Alu/zinc, Lacquered	Steel
193038	58 mm	75 mm	12 mm	7 mm	75	El. galvanized, Alu/zinc, Lacquered	Carbon steel
190169	68 mm	85 mm	12 mm	7 mm	85	El. galvanized, Alu/zinc, Lacquered	Steel
193039	68 mm	85 mm	12 mm	7 mm	85	El. galvanized, Alu/zinc, Lacquered	Carbon steel
190170	77 mm	95 mm	12 mm	7 mm	96	El. galvanized, Alu/zinc, Lacquered	Steel
193040	77 mm	95 mm	12 mm	7 mm	96	El. galvanized, Alu/zinc, Lacquered	Carbon steel
190171	87 mm	112 mm	12 mm	7 mm	113	El. galvanized, Alu/zinc, Lacquered	Steel
193041	87 mm	112 mm	12 mm	7 mm	113	El. galvanized, Alu/zinc, Lacquered	Carbon steel
190172	104 mm	138 mm	12 mm	7 mm	139	El. galvanized, Alu/zinc, Lacquered	Steel
191239	130 mm	165 mm	12 mm	7 mm	166	El. galvanized, Alu/zinc, Lacquered	Steel

MINI

HC-CARGO	ID min	ID max	Width	Spanner size	Ref. no.	Coating	Material
190005	6 mm	8.3 mm	9 mm	7 mm	8	El. galvanized, Alu/zinc, Lacquered	Steel
190006	7 mm	9.3 mm	9 mm	7 mm	9	El. galvanized, Alu/zinc, Lacquered	Steel
190007	8 mm	10.3 mm	9 mm	7 mm	10	El. galvanized, Alu/zinc, Lacquered	Steel
190008	9 mm	11.3 mm	9 mm	7 mm	10	El. galvanized, Alu/zinc, Lacquered	Steel
190009	9 mm	12.3 mm	9 mm	7 mm	12	El. galvanized, Alu/zinc, Lacquered	Steel
190010	10 mm	13.3 mm	9 mm	7 mm	13	El. galvanized, Alu/zinc, Lacquered	Steel
190937	11 mm	14.3 mm	9 mm	7 mm	14	El. galvanized, Alu/zinc, Lacquered	Steel
190938	12 mm	15.3 mm	9 mm	7 mm	15	El. galvanized, Alu/zinc, Lacquered	Steel
191056	13 mm	16.3 mm	9 mm	7 mm	16	El. galvanized, Alu/zinc, Lacquered	Steel
192054	14 mm	17.3 mm	9 mm	7 mm	17	El. galvanized, Alu/zinc, Lacquered	Steel

TOOLS

HOSE CLAMP SCREWDRIVERS

210249 Hose Clamp Screwdriver

Flexible.

O.E.M. names and numbers are used for reference purposes only.

Application List

Alternators & Starters

Edition 2015/2016

ISO 9001
BUREAU VERITAS
Certification

Agco Allis									
AGRICULTURE									
8745	[4-268]					01.98- 01.00	**110615**	12	2.8
8765	[4-268]					01.98- 01.00	**110615**	12	2.8
8775	[6-402]					01.98- 01.00	**110615**	12	2.8
8785	[6-402]					01.98- 01.00	**110615**	12	2.8
Agco White									
AGRICULTURE									
6124	[Cummins 6-359]					01.94- 01.97	**113452**	12	2.5
6125	[Cummins 6-359]					01.93- 01.97	**113452**	12	2.5
6144	[Cummins 6-359]					01.94- 01.97	**113452**	12	2.5
6145	[Cummins 6-359]					01.93- 01.97	**113452**	12	2.5
6410, 3.9	[Cummins]					01.98- 01.00	**110615**	12	2.8
6510, 3.9	[Cummins]					01.98- 01.00	**110615**	12	2.8
6710	[Cummins 6-359]					01.98- 01.00	**110615**	12	2.8
6810	[Cummins 6-359]					01.98- 01.00	**110615**	12	2.8
8310	[Cummins 6-359]					01.98- 01.00	**113452**	12	2.5
8410	[Cummins 6-359]					01.98- 01.00	**113452**	12	2.5
Agrifull									
AGRICULTURE									
Various Models		08.83-	**111662**	14	33		**115535**	12	3.0
		01.80-	**110899**	14	33	09.80-	**110813**	12	2.7
						01.85-	**110529**	12	3.0
Allis Chalmers									
AGRICULTURE									
310		01.80- 01.90	**110639#**	14	36	01.80- 12.90	**110640**	12	3.0
340		01.80- 01.85	**110639#**	14	36	01.80- 12.85	**110640**	12	3.0
350		01.74- 01.89	**110639#**	14	36				
360		01.77- 01.91	**110639#**	14	36	01.77- 01.91	**110640**	12	3.0
445		01.74- 01.89	**110639#**	14	36	01.74- 01.89	**110640**	12	3.0
460		01.77- 01.91	**110639#**	14	36	01.77- 01.91	**110640**	12	3.0
500		01.80- 01.85	**110639#**	14	36	01.80- 01.85	**110640**	12	3.0
510		01.79- 01.90	**110639#**	14	36	01.79- 01.90	**110640**	12	3.0
610		01.79- 01.90	**110639#**	14	36	01.79- 01.90	**110640**	12	3.0
Various Models		01.86- 01.93	**111713**	14	105	01.70- 01.83	**110615**	12	2.8
		01.75-	**110639#**	14	36	01.74- 01.86	**112268**	12	2.8
		01.91-	**111419**	28	55	01.84- 01.85	**110604**	12	2.8
						01.77- 01.97	**110640**	12	3.0
						01.77- 01.83	**110813**	12	2.7
		01.72- 01.82	**112260#**	14	80	01.74- 12.75	**110491**	12	1.4
Various Models, FD 3,5,7,9,10		10.90-	**111419**	28	55				
Various Models, FL 4,7,8,9,10,14,20		11.70- 07.78	**110611**	14	44				
		03.86- 01.92	**111419**	28	55				
		01.73- 06.81	**112097**	28	30				
Various Models, FR 9,10,35,130,160,220		01.85-	**111419**	28	55				
BCS									
AGRICULTURE									
270						12.86-	**112171**	12	1.1
303						12.86-	**112171**	12	1.1
						06.78-	**112034**	12	1.7
603						06.90-	**112171**	12	1.1
622						01.68-	**112034**	12	1.7
701						03.86-	**112171**	12	1.1
735						04.88-	**112171**	12	1.1
737						07.89-	**112171**	12	1.1
745						01.84-	**112034**	12	1.7 DD
						01.84-	**112171**	12	1.1 GR
Belarus									
AGRICULTURE									
400							**113431#**	12	3.0
420							**113431#**	12	3.0
425							**113431#**	12	3.0
500						01.79- 01.91	**111350#**	12	3.2
505						01.79- 01.91	**111350#**	12	3.2
520						01.79- 01.91	**111350#**	12	3.2
525						01.79- 01.91	**111350#**	12	3.2
530						01.94- 01.96	**111350#**	12	3.2
532						01.94- 01.96	**111350#**	12	3.2
560						01.92- 01.96	**111350#**	12	3.2
562						01.92- 01.96	**111350#**	12	3.2
5111							**111350#**	12	3.2
5145							**111350#**	12	3.2
MTZ 100	[D240T]						**112488**	12	2.7
MTZ 1221, 7.2	[D-260.2]						**113356**	24	3.5
MTZ 142	[D181T]						**112488**	12	2.7
MTZ 145	[D260T]						**112488**	12	2.7
MTZ 1522, 7.2	[D-260.6]						**113356**	24	3.5
MTZ 80	[D240]						**112488**	12	2.7
MTZ 890	[D-245.5]						**113356**	24	3.5
Various Models							**112488**	12	2.7
							113431#	12	3.0
Benford									
AGRICULTURE									
Various Models							**113269**	12	3.0
Buhrer									
AGRICULTURE									
Various Models						01.71-	**110439**	12	2.0
						01.72- 01.73	**110462**	12	2.8

O.E.M. names and numbers are used for reference purposes only.

Case									
AGRICULTURE									
100, B							10.72- 12.79	**111752**	12 2.7
110	[Cummins 6BT]	05.97-	**111843**	14 95					
		05.97-	**111888**	14 65					
120	[Cummins 6BT]	05.97-	**111843**	14 95					
		05.97-	**111888**	14 65					
125, B							10.72- 12.79	**111752**	12 2.7
135	[Cummins 6BT]	05.97-	**111843**	14 95					
		05.97-	**111888**	14 65					
221							10.72- 12.79	**111752**	12 2.7
250							01.57- 01.61	**110438**	12 2.1
275							01.59- 01.68	**110438**	12 2.1
276							01.69- 01.72	**110438**	12 2.1
305	[Cummins MU7]	01.06-	**114469**	14 175					
321		01.86-	**110077**	14 50			11.72- 06.86	**111752**	12 2.7
		10.76-	**110641**	14 33					
384		01.67- 01.82	**110178**	14 36					
414							01.61- 01.66	**110438**	12 2.1
421							10.76-	**113269**	12 3.0
		01.86-	**110641**	14 33			10.76-	**111752**	12 2.7
431		01.72-	**110641**	14 33			11.72- 12.85	**111752**	12 2.7
		01.86-	**110077**	14 50					
433		02.77- 12.85	**111662**	14 33			01.86-	**112135**	12 3.1
434							01.69- 01.73	**110438**	12 2.1
444							01.72- 01.78	**110438**	12 2.1
450, C		01.89- 01.94	**111843**	14 95			01.87- 01.94	**110627**	12 2.5
		01.89- 01.94	**111888**	14 65					
454		01.72-	**110178**	14 36			01.72-	**112660**	12 2.8
		01.72-	**111185**	14 43	A47				
455		01.89- 01.94	**112170**	28 45					
		01.89- 01.94	**111888**	14 65					
		01.89- 01.94	**111843**	14 95					
474		01.72-	**110178**	14 36				**112660**	12 2.8
			111185	14 43	A47				
475		01.82-	**111185**	14 43	A47				
480, CK		01.89- 01.94	**111843**	14 95			01.79- 01.88	**110627**	12 2.5
		01.89- 01.94	**111888**	14 65					
484		01.82-	**111185**	14 43	A47				
485		01.82-	**111185**	14 43	A47				
		01.85- 01.90	**111713**	14 105					
485		01.89-	**111185**	14 43	A47		01.89- 01.93	**112660**	12 2.8
		01.89- 01.93	**110508**	14 78					
500		01.75- 01.78	**110178**	14 36					
531		01.86-	**110077**	14 50			01.86- 06.86	**111752**	12 2.7
		10.76- 06.86	**110641**	14 33					
533		02.77- 12.85	**111662**	14 33			01.86-	**112135**	12 3.1
540		01.88-	**111662**	14 33					
554		01.86-	**110077**	14 50			04.73-	**111752**	12 2.7
		01.86-	**110641**	14 33					
574		01.72-	**111185**	14 43	A47		01.72-	**111752**	12 2.7
		01.72-	**110178**	14 36			01.72-	**112660**	12 2.8
580							01.82-	**110818**	12 2.1
		01.82- 01.94	**111843**	14 95			01.79- 01.87	**110627**	12 2.5
		01.89- 01.94	**111888**	14 65			01.84- 01.92	**113725**	12 2.5
580, C,D	[188D,207D]	01.83- 01.88	**110952**	28 40			01.83- 01.88	**110818**	12 2.1
							01.83- 01.88	**112660**	12 2.8
584		01.82-	**111185**	14 43	A47		01.82-	**112660**	12 2.8
		01.77- 01.80	**110178**	14 36					
585		01.82-	**111185**	14 43	A47		01.82-	**112660**	12 2.8
590, CK							01.92-	**113725**	12 2.5
590, L							01.92-	**113725**	12 2.5
644		01.86-	**110077**	14 50			01.86- 06.86	**111752**	12 2.7
		02.79-	**110641**	14 33					
674		01.72-	**111185**	14 43	A47		01.72-	**112660**	12 2.8
		01.72-	**110178**	14 36					
680		01.83- 01.88	**110952**	28 40			01.83- 01.88	**113429**	12 4.2
684		01.77- 01.80	**110178**	14 36			01.82-	**112660**	12 2.8
		01.82-	**111185**	14 43	A47				
685		01.82-	**111185**	14 43	A47		01.82-	**112660**	12 2.8
685, L			**111185**	14 43	A47				
724							04.73- 02.75	**111752**	12 2.7
743							04.80- 12.85	**111752**	12 2.7
743, XL							07.81- 12.85	**111752**	12 2.7
743, XLA							07.81- 12.85	**111752**	12 2.7
744		02.74- 06.84	**110641**	14 33			02.74- 06.84	**111752**	12 2.7
745, S							04.80- 12.85	**111752**	12 2.7
745, X							07.81- 12.85	**111752**	12 2.7
745, XLS							07.81- 12.85	**111752**	12 2.7
780		01.83- 01.88	**110952**	28 40					
784		01.82-	**111185**	14 43	A47		01.82-	**112660**	12 2.8
785		01.82-	**111185**	14 43	A47		01.82-	**112660**	12 2.8
824							06.73- 02.74	**111752**	12 2.7
833		09.81-	**111662**	14 33			09.81-	**112135**	12 3.1
833, A		09.81-	**111662**	14 33			09.81-	**112135**	12 3.1
834							06.73- 02.74	**111752**	12 2.7
844		01.86- 12.90	**110077**	14 50			01.86- 12.90	**111752**	12 2.7
		01.86- 12.90	**110641**	14 33					

CASE *Continued*

850		01.72- 01.78	**110427**	28	22	PL					
		01.89- 01.94	**112170**	28	45						
		01.89- 01.94	**111888**	14	65						
		01.89- 01.94	**111843**	14	95			01.89- 01.94	**110818**	12	2.1
880								01.86-	**112169**	24	4.5
884									**112660**	12	2.8
885		01.72- 01.83	**110178**	14	36			01.72- 01.83	**112660**	12	2.8
		01.72-	**111185**	14	43	A47					
		01.89- 01.94	**111888**	14	65						
895									**112660**	12	2.8
946		01.71- 01.77	**110641**	14	33			04.73- 08.79	**111752**	12	2.7
956, XL		01.85-	**112098**	14	65			01.85-	**111752**	12	2.7
988		11.96-	**112170**	28	45						
990		01.75-	**110178**	14	36			01.69-	**110818**	12	2.1
			111185	14	43	A47					
995			**111185**	14	43	A47		01.72-	**110818**	12	2.1
									112660	12	2.8
996			**111185**	14	43	A47		01.76-	**110818**	12	2.1
		01.75-	**110178**	14	36						
1000		01.71- 01.75	**110641**	14	33						
1046								04.73- 08.79	**111752**	12	2.7
1056		01.86-	**112098**	14	65						
1150		01.89- 01.94	**111843**	14	95						
		01.73- 01.78	**110427**	28	22	PL					
		01.89- 01.94	**112170**	28	45						
		01.89- 01.94	**111888**	14	65						
1150, E		01.89- 01.94	**111843**	14	95						
		01.89- 01.94	**112170**	28	45						
		01.89- 01.94	**111888**	14	65						
1155, E		01.89- 01.94	**111843**	14	95						
		01.89- 01.94	**111888**	14	65						
1190		01.83-	**111185**	14	43	A47					
1194			**111185**	14	43	A47					
1200								01.69- 01.71	**110818**	12	2.1
1210		01.75-	**110178**	14	36			01.72- 01.81	**110818**	12	2.1
1212		01.72- 01.75	**110178**	14	36			01.72- 01.81	**110818**	12	2.1
1290		01.80- 01.82	**110179**	14	36			01.80- 01.83	**110818**	12	2.1
			111185	14	43	A47					
1294, 3.6								01.84- 06.89	**110818**	12	2.1
								01.84- 06.89	**111499#**	12	2.8
1390			**111185**	14	43	A47		01.80- 01.83	**110818**	12	2.1
		01.79- 01.85	**110179**	14	36						
1394		01.84-	**113574**	14	65						
		01.80- 01.88	**111204**	14	70						
			111185	14	43	A47		01.84-	**111499#**	12	2.8
		01.84-	**110968**	14	70			01.84-	**110818**	12	2.1
1410		01.75- 01.81	**110178**	14	36						
1412		01.75- 01.81	**110178**	14	36						
1450		01.72- 01.78	**110427**	28	22	PL					
		01.79- 01.86	**110952**	28	40	PL					
1490		01.84-	**111185**	14	43	A47		01.80- 01.83	**110818**	12	2.1
1494		01.79- 01.87	**111185**	14	43	A47					
		01.84-	**110968**	14	70						
		01.79- 01.87	**111204**	14	70						
		01.84-	**113574**	14	65			01.84-	**111499#**	12	2.8
1550		01.89- 01.94	**111843**	14	95						
		01.89- 01.94	**111888**	14	65						
1594		01.84-	**110968**	14	70			01.84-	**111499#**	12	2.8
		01.83- 01.88	**111204**	14	70						
		01.84-	**113574**	14	65						
1620									**113429**	12	4.2
1640									**113429**	12	4.2
1644									**113429**	12	4.2
1666									**113429**	12	4.2
1680									**113429**	12	4.2
1688									**113429**	12	4.2
1690		01.79- 01.85	**111185**	14	43	A47, 4WD		01.85- 01.92	**113429**	12	4.2
		01.79- 01.85	**110179**	14	36	2WD		01.84-	**111499#**	12	2.8
								01.84-	**110818**	12	2.1
1694		01.84-	**110968**	14	70			01.84-	**111499#**	12	2.8
		01.79- 01.87	**111204**	14	70						
		01.84-	**113574**	14	65						
1840								01.90- 01.93	**113725**	12	2.5
1845, C								01.87- 01.96	**113725**	12	2.5
2144		01.94-	**113999**	14	150	IS		01.94- 01.96	**113429**	12	4.2
		01.94- 01.97	**112773**	14	135						
2155, 8.3	[6CTA]	05.97-	**112773**	14	135			01.96-	**113429**	12	4.2
		05.97-	**113999**	14	150	IS					
2166, 8.3	[6CTA]	01.94-	**112773**	14	135			01.94- 01.96	**113429**	12	4.2
		01.94-	**113999**	14	150	IS					
2188, 8.3	[6CTA]	01.94-	**112773**	14	135			01.94- 01.96	**113429**	12	4.2
		01.94-	**113999**	14	150	IS					
2344, 5.9		01.97-	**113999**	14	150	IS					
		01.97- 01.98	**112773**	14	135						
2366, 8.3	[6CTA]	05.97-	**112773**	14	135			01.97-	**113429**	12	4.2
		05.97-	**113999**	14	150	IS					
2388, 8.3	[6CTAA]	05.97- 01.98	**112773**	14	135						
		05.97-	**113999**	14	150	IS					

2555, 8.3		05.97-	**113999**	14 150 IS				
		05.97-	**112773**	14 135				
3400, GD					09.69- 12.86	**111752**	12 2.7	
3500, GD					09.69- 12.86	**111752**	12 2.7	
4200		01.93-	**111289**	14 70		**112660**	12 2.8	
5120, Maxxum	[6T-590]	01.90-	**111843**	14 95				
		01.90-	**111888**	14 65				
5130	[6T-590]				01.90- 01.91	**113429**	12 4.2	
					06.90-	**114449**	12 4.0	
5130, Maxxum	[6T-590]	01.90-	**111843**	14 95	01.90-	**111885**	12 3.1	
		01.90-	**111888**	14 65				
5140	[6T-590]				01.90- 01.91	**113429**	12 4.2	
					06.90-	**114449**	12 4.0	
5140, Maxxum	[6T-590]	01.90-	**111843**	14 95	01.90-	**111885**	12 3.1	
		01.90-	**111888**	14 65				
5150, Maxxum	[6T-590]				06.90-	**111885**	12 3.1	
6000					01.97- 01.00	**113429**	12 4.2	
					01.85- 01.92	**113725**	12 2.5	
6500					01.85- 01.92	**113725**	12 2.5	
7120, 8.3	[6CT]	01.98- 01.03	**112773**	14 135	01.87- 01.93	**113429**	12 4.2	
		01.98- 01.03	**113999**	14 150 IS				
7130, 8.3	[6CT]	01.98- 01.03	**112773**	14 135	01.87- 01.93	**113429**	12 4.2	
		01.98- 01.03	**113999**	14 150 IS				
7140, 8.3	[6CTA]	01.98- 01.03	**112773**	14 135	01.87- 01.93	**113429**	12 4.2	
		01.98- 01.03	**113999**	14 150 IS				
8920, 8.3	[6CTA]	05.97-	**112773**	14 135				
		05.97-	**113999**	14 150 IS				
8930, 8.3	[6CTA]	05.97-	**112773**	14 135	01.96-	**113429**	12 4.2	
		05.97-	**113999**	14 150 IS				
8940, 8.3	[6CTA]	05.97-	**112773**	14 135				
		05.97-	**113999**	14 150 IS				
8950, 8.3	[6CTA]	05.97-	**112773**	14 135				
		05.97-	**113999**	14 150 IS				
9150	[6-611]				01.86- 01.90	**112089**	12	
9180	[6-855]				01.86- 01.90	**112089**	12	
9250	[6-611]				01.90- 01.95	**112089**	12	
9260	[6-611]				01.90- 01.95	**112089**	12	
9270	[6-855]				01.90- 01.95	**112089**	12	
9280	[6-855]				01.90- 01.95	**112089**	12	
170 CBX			**113552**	14 120				
420CT, 3.2	[432T/M]				01.08-	**114002**	12 4.2	
650 HD, Yumbo		01.78-	**111035**	14 65				
821B, 8.3	[6CT]	06.96-	**112493**	28 65				
DX18E			**115342**	14 40				
DX22E			**115342**	14 40				
DX25E			**115342**	14 40				
DX26			**115342**	14 40				
E833		01.86-	**111662**	14 33	01.86- 12.90	**112135**	12 3.1	
E833, A		01.86-	**111662**	14 33	01.86- 12.90	**112135**	12 3.1	
Farmall			**114450***	14 120				
JX100U			**114384**	14 85				
JX70U			**114384**	14 85				
JX80U			**114384**	14 85				
JX90U			**114384**	14 85				
MX		01.95- 01.02	**111843**	14 95				
MXM Series					01.02-	**114447**	12 3.0	
V433		01.86-	**111662**	14 33	01.86-	**112135**	12 3.1	
V533		01.86-	**111662**	14 33	01.86-	**112135**	12 3.1	
Various Models	[6-411]					**114050**	12 4.2	
		01.70- 01.92	**110300**	28 65	05.82	**111752**	12 2.7	
		01.68-	**112260#**	14 80	05.79- 12.86	**110536**	12 2.7	
		01.72- 01.85	**110504**	14 90	01.00- 01.00	**111260**	12 1.4	
		01.89- 01.94	**112170**	28 45	01.87- 01.92	**113184**	24 4.0	
		01.65-	**114518**	14 55		**113429**	12 4.2	
			113552	14 120		**110818**	12 2.1	
		01.65-	**110484**		03.75- 01.88	**110523**	24 4.8	
			114191	14 90	01.83-	**110999**	24	
					01.65-	**114196**	24 4.0	
					01.74- 01.80	**111259**	12 1.3	
					01.65-	**112256#**	24 7.0	
					01.65- 01.88	**112243**	24	
					01.78- 01.89	**110627**	12 2.5	
					01.57- 01.78	**110438**	12 2.1	
					01.90- 01.98	**112169**	24 4.5	
					01.65-	**114399**	12 2.7	
					01.72-	**112660**	12 2.8	
					01.85- 01.92	**111760**	24 4.5	
W20E, 6.0	[6BT]	05.96-	**112493**	28 65				
Case IH								
AGRICULTURE								
170, 6.7			**114228**	14 150				
200, 6.7			**114228**	14 150				
215, 6.7			**114225**					
235, 8.7						**114480**	12 4.2	
260, 8.7						**114480**	12 4.2	
290, 8.7						**114480**	12 4.2	
315, 8.7						**114480**	12 4.2	
340, 8.7						**114480**	12 4.2	

Caterpillar										
AGRICULTURE										
75							01.91- 12.97	**113695**	24	6.0
85							01.95- 12.97	**113695**	24	6.0
906, Diesel	[Perkins 3054]		**114218**	14	55			**115323**	12	2.7
908, Diesel	[Perkins 3054]		**114218**	14	55			**115323**	12	2.7
416C, Diesel	[Perkins 3054]		**114218**	14	55					
426C, Diesel	[Perkins 3054]		**114218**	14	55					
436C, Diesel	[Perkins 3054]		**114218**	14	55					
D4C, Diesel	[Perkins]		**114218**	14	55					
Farm 35		01.94-	**112996**	14	115					
Farm 45		01.94-	**112996**	14	115					
Farm 55		01.95-	**112996**	14	115					
Various Agriculture Vehicles			**114683**	28	80					
Various Models			**114188**	14	90		01.79-	**110449**	12	3.6
			114271	28	75			**114280**	24	3.2
Chang Feng (Liebao)										
AGRICULTURE										
3320		01.92-	**110621**	14	55		01.92-	**110545**	12	3.0
							01.92-	**114254**	12	2.7 GR
Claas										
AGRICULTURE										
48, 3.9	[4.236]	06.78-	**112098**	14	65		06.78-	**111791#**	12	2.4
56, 4.1	[4.248]	12.83-	**110641**	14	33		12.83-	**111791#**	12	2.4
66, 5.8	[6.354]	12.79- 10.85	**111649**	14	33		06.79- 10.85	**111791#**	12	2.4
76, 6.1	[6.372]	06.78-	**112098**	14	65		06.78-	**111791#**	12	2.4
85, 6.1	[6.372]						10.74- 10.85	**111791#**	12	2.4
85	[OM352]						10.74- 05.76	**110525**	12	3.0
86, 5.7	[OM352]	06.78-	**112098**	14	65					
96, 5.7	[OM352]	09.79- 10.85	**112098**	14	65					
96	[OM352]	06.78-	**112098**	14	65					
105	[OM360]	04.82-	**112098**	14	65					
106	[OM401]	05.80-	**113611**	14	90		05.80-	**110539**	12	3.6
							05.80- 10.85	**113268**	12	1.6
675	[OM360]	10.74-	**113611**	14	90					
680	[OM421]	10.74-	**113611**	14	90		10.74-	**110539**	12	3.6
690, 14.6	[OM422]						10.74- 10.89	**110206**	24	5.4
816			**113986**	14	120					
826			**113986**	14	120					
836			**113986**	14	120					
850			**113949**	14	150					
685 SL	[OM421]	10.74-	**113611**	14	90		01.87-	**110539**	12	3.6
Combines		01.99-	**111978**	14	120					
Various, 510, 520, 530, 540			**113986**	14	120			**115357**	12	4.2
Various, 610, 620, 630, 640			**113986**	14	120			**115357**	12	4.2
Various Models			**114000**	14	120		01.73- 10.82	**111791#**	12	2.4
			114513	14	95			**115326**	12	5.0
			114735	14	150		10.74- 10.76	**110775**	12	1.8
							09.73- 05.76	**110525**	12	3.0
							08.78- 10.82	**110536**	12	2.7
Cub Cadet										
AGRICULTURE										
982	[Onan B48G]						01.79- 01.84	**113015**	12	
984	[Onan B48G]						01.82- 01.84	**113015**	12	
986	[Onan B48G]						01.82- 01.84	**113015**	12	
1912	[Onan B48G]					B48G Eng.	01.85- 01.86	**113015**	12	
1914	[Onan B48G]						01.85- 01.86	**113015**	12	
5264, 1.0	[D070]							**115425**	12	1.3
7000, Diesel	[Mitsubishi 3-69]	01.98- 01.03	**112492**	14	50					
7200, Diesel	[Mitsubishi 3-69]	01.98- 01.03	**112492**	14	50					
7205, Diesel	[Mitsubishi 3-69]	01.98- 01.03	**112492**	14	50					
7260, Diesel	[Mitsubishi 3-80]	01.98- 01.03	**112492**	14	50					
7265, Diesel	[Mitsubishi 3-80]	01.98- 01.03	**112492**	14	50					
7305, Diesel	[Mitsubishi Equipped]		**114079**	14	40					
7360, Diesel	[Mitsubishi 4-107]	01.00- 01.03	**112492**	14	50					
7530, Diesel		01.04- 01.06	**112492**	14	50					
7532, Diesel		01.04- 01.06	**112492**	14	50					
Compact 1170	[Briggs & Stratton]						01.00- 01.01	**113853**	12	
Compact 1600	[Briggs & Stratton]						01.99- 01.99	**113853**	12	
Compact 1800	[Briggs & Stratton]						01.99- 01.99	**113853**	12	
Compact 2130	[Kohler]						01.94- 01.95	**112546**	12	0.6
Compact 2135	[Kohler]						01.94- 01.95	**112546**	12	0.6
Compact 2185	[Kohler]						01.94- 01.01	**112546**	12	0.6
Garden 1340, 1.3	[Kohler]						01.90- 01.91	**112150**	12	
Garden 1863	[Kohler]						01.93- 01.97	**112546**	12	0.6
Garden 1864	[Kohler]						01.93- 01.97	**112546**	12	0.6
Garden 2072							01.87- 01.89	**112831**	12	0.6
Garden 2082							01.92- 01.00	**112831**	12	0.6
Garden 2084	[Kohler]						01.94- 01.95	**112546**	12	0.6
Lawn 1315, 1.3	[Kohler]						01.89- 01.91	**112150**	12	
Lawn 1320	[Kohler]						01.89- 01.91	**112150**	12	
Lawn 1325	[Kohler]						01.92- 01.93	**112150**	12	
Lawn 1330	[Kohler]						01.92- 01.93	**112150**	12	
Lawn 1405	[Kohler]						01.90- 01.91	**112150**	12	
Zero Turn	[Kawasaki]							**114823**	12	0.6
	[Kohler]							**114075**	12	

O.E.M. names and numbers are used for reference purposes only.

Daedong Kioti									
AGRICULTURE									
DK35 Series	[Kubota]		**114219**	14	50				
DK40 Series	[Kubota]		**114219**	14	50				
DK65 Series	[Kubota]		**114219**	14	50				
DK65S Series	[Kubota]		**114219**	14	50				
Daihatsu									
AGRICULTURE									
Various Agriculture Vehicles	[Caterpillar]		**114683**	28	80				
Deutz-Fahr									
AGRICULTURE									
60	[1000.3A]		**112389**	14	85				
75	[1000.4A]		**112389**	14	85				
85	[1000.4AT]		**112389**	14	85				
110	[1000.6A]		**112389**	14	85				
130	[1000.6A]		**112389**	14	85				
2003, 3.8	[F4L 912]	02.79- 05.80	**110641**	14	33				
2004, 3.8	[F4L912]	05.78- 12.88	**110641**	14	33				
100.4	[1000.4ATI]		**112389**	14	85				
100.6	[1000.4A]		**112389**	14	85				
60DT/2RM	[1000.3A]		**112389**	14	85				
70DT/2RM	[1000.4A]		**112389**	14	85				
80DT	[1000.4A]		**112389**	14	85				
90DT	[1000.4AT]		**112389**	14	85				
Agri 605						01.97-	**112071**	12	3.0
D 2807, 1.9, Diesel	[F2L912]	06.86- 08.88	**110641**	14	33	06.86-	**114181**	12	1.9
		09.88-	**110360**	14	45				
		09.88-	**110881**	14	55				
D 3607, 1.9, Diesel	[F2L912]	06.86- 08.88	**110641**	14	33	06.86-	**114191**		
		09.88-	**110360**	14	45				
		09.88-	**110881**	14	55				
D 6807, 3.8, Diesel	[F4L912]	06.86- 08.88	**110641**	14	33	01.92-	**112555**	12	3.1
		09.88-	**110360**	14	45	06.86-	**110536**	12	2.7
D 7007, 3.8, Diesel	[F4L912]	06.86- 08.88	**110641**	14	33	01.92-	**112555**	12	3.1
		09.88-	**110360**	14	45	06.86-	**110536**	12	2.7
DE6 - Various Models		06.86-	**110360**	14	45				
DX 3.10, 2.8, Diesel	[F3L912]					06.86-	**110536**	12	2.7
						01.92- 06.01	**112555**	12	3.1
DX 3.30, 2.8, Diesel	[F3L912]					06.86-	**110536**	12	2.7
						01.92- 06.01	**112555**	12	3.1
DX 3.50, 3.1, Diesel	[F3L913]					06.86-	**110536**	12	2.7
						01.92- 06.01	**112555**	12	3.1
DX 3.60, 3.8, Diesel	[F4L912]					06.86-	**110536**	12	2.7
						01.92- 06.01	**112555**	12	3.1
DX 3.70, 3.8, Diesel	[F4L912]					06.86-	**110536**	12	2.7
						01.92- 06.01	**112555**	12	3.1
DX 3.80, 4.1, Diesel	[F4L913]	06.86-	**110360**	14	45	06.86-	**110536**	12	2.7
						01.92- 06.01	**112555**	12	3.1
DX 3.90, 4.1, Diesel	[F4L913]					06.86-	**110536**	12	2.7
						01.92- 06.01	**112555**	12	3.1
DX 4.10, 3.8, Diesel	[F4L912]	06.86-	**110360**	14	45	06.86-	**110536**	12	2.7
						01.92- 06.01	**112555**	12	3.1
DX 4.30, 4.1, Diesel	[F4L913]					06.86-	**110536**	12	2.7
						01.92- 06.01	**112555**	12	3.1
DX 4.31, 4.1, Diesel	[F4L913]	01.91-	**110360**	14	45	01.91-	**110536**	12	2.7
						01.92-	**112555**	12	3.1
DX 4.50, 4.1, Diesel	[BF4L913]					06.86-	**110536**	12	2.7
						01.92- 06.01	**112555**	12	3.1
DX 4.51, 4.1, Diesel	[BF4L913]	01.90-	**110360**	14	45	01.90- 06.94	**113467**	12	3.7
						01.92-	**112555**	12	3.1
DX 4.70, 4.1, Diesel	[BF4L913]					06.86-	**110536**	12	2.7
						01.92-	**112555**	12	3.1
DX 6.05, 5.7, Diesel	[F6L912]	06.86-	**110360**	14	45	06.86-	**110536**	12	2.7
						01.92- 06.01	**112555**	12	3.1
DX 6.30, 6.1, Diesel	[F6L913]					06.86-	**110536**	12	2.7
						01.92- 06.01	**112555**	12	3.1
DX 6.31, 6.0, Diesel	[BF6L913]	01.90- 01.05	**112046**	14	95	01.90-	**110536**	12	2.7
						01.92- 01.05	**112555**	12	3.1
						01.90- 06.94	**113467**	12	3.7
DX 6.50, 6.1, Diesel	[BF6L913]	06.86- 06.01	**112046**	14	95	06.86-	**113467**	12	3.7
						06.86-	**110536**	12	2.7
						01.92- 06.01	**112555**	12	3.1
DX 6.60, 6.0, Diesel	[BF6L913]	10.88-	**110360**	14	45	10.88-	**110536**	12	2.7
						01.92- 10.03	**112555**	12	3.1
DX 7.10, 6.1, Diesel	[BF6L913]	06.86- 06.01	**112046**	14	95	06.86-	**110536**	12	2.7
						01.92- 06.01	**112555**	12	3.1
						06.86- 06.94	**113467**	12	3.7
DX3 - Various Models		06.86-	**110360**	14	45				
		07.76- 10.85	**110641**	14	33				
DX4 - Various Models		06.86-	**110360**	14	45				
DX7 - Various Models		09.88-	**110360**	14	45				
		06.86-	**112736**	14	65				
Intrac 6.30, 6.0, TD	[BF6L913]	01.88-	**112046**	14	95	01.92- 01.04	**112555**	12	3.1
		01.88- 12.88	**112736**	14	65	01.89-	**110536**	12	2.7
Intrac 6.60, 6.0, TD	[BF6L913]	01.88- 01.93	**112046**	14	95	01.88- 01.03	**113467**	12	3.7
		01.88-	**112736**	14	65				
M 1080, 4.7, Diesel	[F5L912]	01.81- 08.88	**110641**	14	33	01.92- 01.96	**112555**	12	3.1
		09.88-	**110360**	14	45	01.81-	**110536**	12	2.7

DEUTZ-FAHR *Continued*

M 1202, 5.7, Diesel	[F6L912]	01.80- 08.88	**110641**	14	33	01.92- 01.95	**112555**	12	3.1
		09.88-	**110360**	14	45	01.80-	**110536**	12	2.7
M 2385, 5.7, Diesel	[F6L912]	01.82- 01.97	**112046**	14	95	01.82-	**110536**	12	2.7
		01.82- 07.93	**112736**	14	65	01.92- 01.97	**112555**	12	3.1
M 3330, 2.8	[F3L912]					01.92- 03.02	**112555**	12	3.1
M 3360, 3.8	[F4L912]					03.87- 03.02	**110536**	12	2.7
						01.92- 03.02	**112555**	12	3.1
M 980, 3.8, Diesel	[F4L912]	01.81- 08.88	**110641**	14	33	01.81-	**110536**	12	2.7
						01.92- 01.96	**112555**	12	3.1
Various Models			**114192**	14	200		**110536**	12	2.7
		01.73- 12.75	**110766**	28	27	05.78- 10.85	**113467**	12	3.7
		12.79-	**112747**	28	55	01.92-	**112555**	12	3.1
		04.88-	**113740#**	14	160		**114220**	24	4.0
		04.72- 12.75	**110761**	28	35		**115472**	12	2.7
		02.79- 10.84	**110641**	14	33				
		07.80- 10.84	**110077**	14	50				
		09.88- 12.01	**110881**	14	55				
			114110	28	80				
			114365	28	140				
			114470	14	120				
			115309	28	35				
Dronningborg									
AGRICULTURE									
7000	[Perkins]		**111289**	14	70				
7800	[Valmet D620]	01.93	**110968**	14	70				
		01.93	**111355**	14	65				
8700 Jumbo	[Valmet]		**110968**	14	70				
			111355	14	65				
Various Models							**110449**	12	3.6
							114254	12	2.7 GR
							110460	12	2.8
							110545	12	3.0
							110443	12	2.1
Eicher									
AGRICULTURE									
330, 2.0, Diesel	[EDK 2-9]	10.77- 12.80	**111649**	14	33				
3026, 5.9, Diesel	[EDL 6-1]	03.82- 03.97	**111649**	14	33				
		03.82-	**112098**	14	65				
3028, 5.9, Diesel	[EDL 6-5]	09.83-	**112098**	14	65				
3030, 5.9, Diesel	[EDL 6-6]	09.83-	**112098**	14	65				
3357, 3.0, Diesel	[EDL 3-8]	03.82- 12.87	**111649**	14	33				
3358, 3.0, Diesel	[EDL 3-8]	03.82- 12.87	**111649**	14	33				
3457, 3.0, Diesel	[EDL 3-9]	03.82- 12.87	**111649**	14	33				
3458, 3.0, Diesel	[EDL 3-9]	03.82- 12.87	**111649**	14	33				
3559, 3.9, Diesel	[EDL 4-4]	01.84- 01.99	**111649**	14	33				
3560, 3.9, Diesel	[EDL 4-4]	01.84- 01.99	**111649**	14	33				
3659, 3.9, Diesel	[EDL 4-5]	01.84- 01.99	**111649**	14	33				
3660, 3.9, Diesel	[EDL 4-6]	01.84- 01.99	**111649**	14	33				
3257, S, 3.0, Diesel	[EDL 3-7]	01.83- 12.87	**111649**	14	33				
3258 A, AS, 3.0, Diesel	[EDL 3-7]	03.82- 12.87	**111649**	14	33				
635 K, KA, 1.9, Diesel	[EDL 2-2]	01.86- 01.01	**111649**	14	33				
642 K, KA, 1.9, Diesel	[EDL 2-4]	01.86- 01.01	**111649**	14	33				
645 K, KA, 2.9, Diesel	[EDL 3-6]	01.86- 01.01	**111649**	14	33				
648 V, VA, 2.9, Diesel	[EDL 3-7.2]	01.87- 01.02	**111649**	14	33				
666 P,PA, 2.9, Diesel	[EDL 3-9.1]	01.87- 01.02	**111649**	14	33				
666 V, VA, 2.9, Diesel	[EDL 3-9.1]	01.86- 01.01	**111649**	14	33				
680 P, PA, 3.9, Diesel	[EDL 4-5.1]	01.87- 01.02	**111649**	14	33				
Various Models		01.77- 11.87	**111649**	14	33	01.72-	**110439**	12	2.0
						01.75-	**110819**	12	2.8
						01.75-	**110565**	12	2.8
Fahr									
AGRICULTURE									
M1000 Series		01.80- 12.87	**112736**	14	65				
		02.79- 12.81	**110641**	14	33				
		06.74- 12.80	**112097**	28	30				
M2000 Series		01.79- 12.87	**112736**	14	65				
M600 Series		02.79- 12.87	**110641**	14	33				
M700 Series		02.79- 12.87	**110641**	14	33				
M900 Series		02.79- 12.87	**110641**	14	33				
Fendt									
AGRICULTURE									
204, 3.8, Diesel	[F4L 912]	02.79- 08.88	**110641**	14	33	09.86- 12.91	**110536**	12	2.7
						01.92-	**112555**	12	3.1
205, 4.0, Diesel	[F4L 912]	02.79- 08.88	**110641**	14	33				
600, 5.7, Diesel	[D227-6]	02.78-	**112196**	14	143	02.78-	**111332**	12	2.7
610, 5.7, Diesel	[D226-6]	02.78-	**112196**	14	143	02.78-	**111332**	12	2.7
611, 6.2, Diesel	[D226-6]	02.76-	**112196**	14	143	02.76-	**111332**	12	2.7
612, 6.2, Diesel	[D226-6]	02.76-	**112196**	14	143	02.76-	**111332**	12	2.7
614, 6.2, Diesel	[TD226-6]	02.78-	**112196**	14	143	02.78-	**111332**	12	2.7
105S, 4.2, Diesel	[D226-4]					02.77- 02.92	**111332**	12	2.7
200 Series, 2.8, Diesel	[F3L912]	02.79- 08.88	**110077**	14	50	02.74- 12.91	**110536**	12	2.7
		02.79- 08.88	**110641**	14	33	10.92-	**112555**	12	3.1
		09.88-	**110881**	14	55				
204 P, 204 V, 3.8	[F4L912]	01.74- 12.96	**110641**	14	33	01.74- 12.96	**110536**	12	2.7
		01.74- 12.96	**110881**	14	55				
204 PA, 204 VA, 3.8	[F4L912]	01.74- 12.96	**110641**	14	33	01.74- 12.96	**110536**	12	2.7
		01.74- 12.96	**110881**	14	55				
300 SERIES, 4.2, Diesel	[D226..]	02.80- 08.04	**112196**	14	143	02.80-	**111332**	12	2.7
626 LS, 11.4, Diesel	[D2566ME]	02.82- 02.97	**112196**	14	143				

800 Series, 6.9, Diesel	[D286..]	06.93-	**113290#**	14	95	06.93-	**113353**	24	4.0
900 Series						01.93-	**113353**	24	4.0
Various Models	[TCD2013]		**114192**	14	200		**114475**	12	4.0
							114838	12	4.5 MI
			111978	14	120		**110536**	12	2.7
			114735	14	150		**112555**	12	3.1
						01.68- 12.74	**112039**	12	2.7
Ferrari									
AGRICULTURE									
86, 2.5, Diesel	[LDA 833]	06.80-	**111662**	14	33				
91, 0.4	[6LD400]					09.89- 02.92	**112034**	12	1.7
						03.92- 09.04	**112171**	12	1.1
92, 0.5	[3LD350]					09.89- 02.92	**112034**	12	1.7
						03.92- 09.04	**112171**	12	1.1
93		09.89-	**111662**	14	33				
94		09.89-	**111662**	14	33				
95, 1.3, Diesel	[8LD665.2]	11.88-	**111662**	14	33				
96, 2.7, Diesel	[5LD 824-3]	09.89-	**111662**	14	33				
305, 0.4	[6LD400]					09.89- 02.92	**112034**	12	1.7
						03.92- 09.04	**112171**	12	1.1
305, 0.5	[6L360]					09.89- 02.92	**112034**	12	1.7
						03.92- 09.04	**112171**	12	1.1
306, 0.4	[6LD400]					09.89- 02.92	**112034**	12	1.7
						03.92- 09.04	**112171**	12	1.1
307, 0.4	[6LD400]					10.90- 02.92	**112034**	12	1.7
						02.92-	**112171**	12	1.1
718, 0.7	[7LD665]					06.80- 12.83	**113268**	12	1.6
792, 0.4	[6LD400]					09.89- 02.92	**112034**	12	1.7
						03.92- 09.04	**112171**	12	1.1
794, 0.4	[6LD400]					09.89- 02.92	**112034**	12	1.7
						03.92- 09.04	**112171**	12	1.1
1100, 1.1, Diesel	[9LD 561]	12.85-	**111662**	14	33	12.85-	**112172**	12	1.6
1300, 1.3, Diesel	[8LD665.2]	12.85-	**111662**	14	33	12.85-	**112172**	12	1.6
40 WDT, 1.6, Diesel	[LDW1503]	04.91-	**111168**	14	55	04.91-	**110844**	12	2.2
72S, 0.7	[7LD665]					01.71-	**112171**	12	1.1
						01.71-	**113268**	12	1.6
95 RS, 1.7, Diesel	[5LD 825.2]	11.88-	**111662**	14	33				
95 RS, 1.9, Diesel	[11LD 625.3]		**111662**	14	33				
96 RS, 1.9, Diesel	[11LD 625.3]	09.89-	**111662**	14	33				
Fiat									
AGRICULTURE									
404, Diesel						01.84-	**110640**	12	3.0
						01.84-	**113381**	12	2.5
420, Diesel		04.82- 12.83	**111180**	14	33	01.84-	**110213**	24	6.6
						01.84-	**110640**	12	3.0
						01.84-	**113381**	12	2.5
440, Diesel						01.84-	**110813**	12	2.7
						01.84-	**110640**	12	3.0
						01.84-	**113381**	12	2.5
450, Diesel						01.84-	**110640**	12	3.0
						01.50- 08.80	**110813**	12	2.7
						01.84-	**113381**	12	2.5
455, Diesel						01.84-	**110640**	12	3.0
						01.84-	**113381**	12	2.5
						01.50-	**110813**	12	2.7
470, Diesel						01.84-	**110813**	12	2.7
						01.84-	**110640**	12	3.0
						01.84-	**113381**	12	2.5
480						01.72- 03.82	**110813**	12	2.7
							113381	12	2.5
666						01.84- 12.84	**110529**	12	3.0
766						01.75- 12.84	**110529**	12	3.0
880						04.73- 12.84	**110529**	12	3.0
1180						09.80- 12.83	**110529**	12	3.0
1280						09.80- 12.83	**110529**	12	3.0
1380						09.80- 12.83	**110529**	12	3.0
						09.80- 12.83	**110522**	12	3.0
1580						09.80- 12.83	**110522**	12	3.0
100.90, 5.4, Diesel	[8065.06.200]	05.87- 08.88	**111686**	14	65	06.84- 08.88	**110522**	12	3.0
1000, S, DT, DTS						01.73-	**110529**	12	3.0
110.90, 5.9, Diesel	[8065.05.220]	05.87- 08.88	**111686**	14	65	11.86- 08.88	**110522**	12	3.0
115.90, 5.9, Diesel	[8065.05.000]	05.87- 08.88	**111686**	14	65	01.84- 08.88	**110522**	12	3.0
129-16						01.79- 06.82	**110521**	24	4.0
130.90, 5.9, Diesel	[8065.25.010]	05.87- 08.88	**111686**	14	65	01.84- 08.88	**110522**	12	3.0
1300 DT, S						04.73- 12.79	**110529**	12	3.0
140.90, 5.9, Diesel	[8065.25.000]	05.87- 08.88	**111686**	14	65	01.84- 08.88	**110522**	12	3.0
160.90, 8.1, Diesel	[OM8365.25.5..]	05.87- 08.88	**111686**	14	65	01.84- 08.88	**110522**	12	3.0
180.90, 8.1, Diesel	[OM8365.25.5..]	05.87- 08.88	**111686**	14	65	01.84- 08.88	**110522**	12	3.0
45.66						01.85-	**110813**	12	2.7
500, DT	[8035.02.201]					06.73- 03.82	**110813**	12	2.7
						01.73-	**113381**	12	2.5
500S, Diesel		06.78- 03.82	**111180**	14	33	01.78- 01.82	**110640**	12	3.0
						01.78- 01.82	**113381**	12	2.5
						06.73- 03.82	**110813**	12	2.7
540, DT	[8035.02.302]	06.78- 03.82	**111180**	14	33	01.70- 06.78	**110813**	12	2.7
55.46, 2.7, Diesel	[8035.06...]					09.84-	**110813**	12	2.7
55.56						01.89-	**110813**	12	2.7
55.65, 2.7, Diesel	[8035.06...]					09.84-	**110813**	12	2.7
55.66, 2.7, Diesel	[8035.06...]					09.84-	**110813**	12	2.7

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55.75						03.89-	**110813**	12	2.7
55.90, 2.7, Diesel	[8035.06.200]					03.84-	**110813**	12	2.7
570, DT						12.77- 12.84	**110813**	12	2.7
580, DT						12.77- 02.84	**110213**	24	6.6
						12.77- 02.84	**110529**	12	3.0
60.46, 2.9, Diesel	[8035.05...]					09.84-	**110813**	12	2.7
60.56						01.89-	**110813**	12	2.7
60.65, 2.9, Diesel	[8035.05...]					09.84-	**110813**	12	2.7
60.66, 2.9, Diesel	[8035.05...]					09.84- 08.88	**110813**	12	2.7
60.75						03.89-	**110813**	12	2.7
60.90, 2.9, Diesel	[8035.05.200]					03.84- 08.88	**110813**	12	2.7
640 DT						10.72- 07.82	**110529**	12	3.0
65.46, 3.6, Diesel	[8045.06..]					04.85- 08.88	**110529**	12	3.0
						04.85-	**110813**	12	2.7
65.66, 3.6, Diesel	[8045.06..]					06.87- 08.88	**110529**	12	3.0
						04.85-	**110813**	12	2.7
65.90, 3.6, Diesel	[8045.06..]					09.87- 08.88	**110529**	12	3.0
						04.85-	**110813**	12	2.7
665 C						06.82- 12.84	**110529**	12	3.0
670 DT						07.77- 02.84	**110529**	12	3.0
680 DT						07.77- 02.84	**110529**	12	3.0
70.65, 3.6, Diesel	[8045.06..]					10.84- 08.88	**110529**	12	3.0
						09.84-	**110813**	12	2.7
70.66, 3.6, Diesel	[8045.06..]					09.84- 08.88	**110529**	12	3.0
						09.84-	**110813**	12	2.7
70.90, 3.6, Diesel	[8045.06..]					03.84- 08.88	**110529**	12	3.0
						03.84-	**110813**	12	2.7
765 C						01.75- 12.84	**110529**	12	3.0
780 DT						01.75- 02.84	**110529**	12	3.0
80.65, 3.9, Diesel	[8045.05...]					10.84- 08.88	**110529**	12	3.0
						03.84-	**110813**	12	2.7
80.66, 3.9, Diesel	[8045.05...]					05.87- 08.88	**110529**	12	3.0
						03.84-	**110813**	12	2.7
80.75						03.84-	**110529**	12	3.0
80.90, 3.9, Diesel	[8045.05...]					03.84- 08.88	**110529**	12	3.0
						03.84-	**110813**	12	2.7
85.55, 3.9, Diesel	[8045.05...]					10.84- 08.88	**110529**	12	3.0
						10.84- 06.89	**110813**	12	2.7
855, C						04.73- 12.84	**110529**	12	3.0
880-5						09.80- 08.82	**110529**	12	3.0
						09.82- 06.84	**110522**	12	3.0
90.90, 4.9, Diesel	[8055.05.200]					06.84- 08.88	**110522**	12	3.0
95.55, 4.9, Diesel	[8055.05.205]					10.84- 08.88	**110522**	12	3.0
F-100-F						01.84-	**110522**	12	3.0
F-110						01.84-	**110522**	12	3.0
F-120-F						01.84-	**110522**	12	3.0
F130						01.84-	**110522**	12	3.0
Various Models						06.72-	**110813**	12	2.7
						09.81- 12.82	**110529**	12	3.0
Fiat-Allis									
AGRICULTURE									
65 B, 5.9, Diesel	[8061..]	01.86- 01.01	**111419**	28	55	01.86- 01.01	**110521**	24	4.0
FA 150, 8.1, Diesel	[8365.25.542]					12.86- 03.99	**110999**	24	
FA 200						01.84- 12.89	**110347**	24	7.5
FD 14						04.84- 12.89	**110347**	24	7.5
FD 14E, 8.1, Diesel	[8365.25.541]					12.88- 12.92	**110999**	24	
FD 20, 5.9, Diesel	[8215.02.520]					03.84- 03.99	**110347**	24	7.5
FD 30C, 17.0, Diesel	[8285.22.004]	10.90-	**111419**	28	55				
FE 16						10.83- 12.87	**110521**	24	4.0
FE 45						09.87-	**110347**	24	7.5
FG 65, A						03.84- 01.88	**110529**	12	3.0
FH 400						11.89-	**110347**	24	7.5
FL 20						03.84-	**110347**	24	7.5
FR 130, 5.9, Diesel	[8065.25..]	04.90- 04.05	**111419**	28	55				
FR 160, 8.1, Diesel	[8365.25..]	07.90-	**111419**	28	55	01.80- 01.83	**110522**	12	3.0
						07.90-	**110999**	24	
FR 20						01.86- 12.90	**110347**	24	7.5
FR 20, B						01.86- 12.90	**110347**	24	7.5
FR 220, 9.5, Diesel	[8465.21..]	01.91-	**111419**	28	55				
FR 7						12.82- 03.85	**110517**	24	3.2
						04.85- 04.88	**110521**	24	4.0
FR 9						12.82- 09.85	**110521**	24	4.0
Various Models, Diesel		01.70- 01.73	**110075**	14	60		**111041**	12	2.8
		01.80-	**110801**	28	45		**110518**	24	4.0
		01.83- 01.88	**110952**	28	40	01.77- 01.97	**110640**	12	3.0
		01.72- 01.80	**110504**	14	90	01.69- 01.70	**110818**	12	2.1
		01.75- 12.84	**111180**	14	33	03.85	**110517**	24	3.2
		04.83- 03.89	**110912**	14	55	12.88	**110521**	24	4.0
			112992	28	70		**110813**	12	2.7
		01.74- 01.91	**110639#**	14	36	11.70- 12.82	**110529**	12	3.0
							113381	12	2.5
							110347	24	7.5
						01.60-	**111000**	24	6.5
						06.83- 06.87	**110210**	24	6.6
						07.87- 06.89	**110206**	24	5.4
						01.80- 06.85	**110531**	24	6.6
							110208	24	5.4
						01.72- 01.80	**113534**	12	3.0
						01.71- 01.75	**111737**	12	2.8

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Various Models							01.70- 01.82	**110520**	24 4.0
Ford									
AGRICULTURE									
1320	[3-77]	01.87- 01.98	**113562**	14 40			01.87- 01.98	**111703**	12 2.0
							01.87- 01.98	**112177**	12 1.7
1520	[3-81]	01.87- 01.97	**113562**	14 40			01.87- 01.98	**111703**	12 2.0
							01.87- 01.98	**112177**	12 1.7
1530	[3-81]	01.96- 01.98	**113562**	14 40			01.96- 01.98	**112177**	12 1.7
1620	[3-81]	01.91- 01.97	**113562**	14 40			01.92- 01.97	**111703**	12 2.0
							01.76- 01.79	**112177**	12 1.7
1630	[3-81]	01.96- 01.98	**113562**	14 40			01.97- 01.99	**112177**	12 1.7
1710							01.83- 01.87	**112177**	12 1.7
								111275	12 2.0
1715	[3-81]	01.93- 01.97	**113562**	14 40			01.93- 01.97	**112177**	12 1.7
1720	[3-91]	01.87- 01.02	**113562**	14 40			01.87- 01.02	**112177**	12 1.7
1725	[3-81]	01.96- 01.98	**113562**	14 40			01.96- 01.98	**112177**	12 1.7
1910							01.84- 01.88	**110552**	12 1.2
1920	[4-122]	01.87- 01.02	**113562**	14 40			01.88- 01.98	**113696**	12 2.0
1925	[3-91]	01.96- 01.98	**113562**	14 40			01.96- 01.98	**112177**	12 1.7
2000	[158CID.]	09.71- 02.72	**111289**	14 70			01.69- 12.74	**110462**	12 2.8
2120	[4-139]	01.87- 01.02	**113562**	14 40					
2600		01.88-	**111363**	14 45					
		01.88-	**111739**	14 55					
		01.88-	**111740**	14 70					
			111185	14 43	A47				
3000	[175CID]	04.68- 12.74	**110484**				04.68- 12.74	**110462**	12 2.8
3415	[4-135]	01.93- 01.02	**113562**	14 40			01.93- 01.98	**113696**	12 2.0
3600	[175CID]	01.75- 12.81	**111185**	14 43	A47		01.75- 12.81	**110462**	12 2.8
		01.75- 12.81	**111363**	14 45					
		01.75- 12.81	**111739**	14 55					
		01.88-	**111740**	14 70					
3610	[192CID]	01.81- 01.96	**111739**	14 55			01.81- 01.96	**110462**	12 2.8
		01.88- 01.96	**111363**	14 45					
3910							01.82- 01.84	**110462**	12 2.8
4000	[201CID]	01.68- 12.75	**110484**				01.68- 12.75	**110462**	12 2.8
4100	[183CID]	01.75- 12.81	**111185**	14 43	A47		01.75- 12.81	**110462**	12 2.8
		01.88-	**111363**	14 45					
		01.88-	**111739**	14 55					
		01.88-	**111740**	14 70					
4110		01.88- 01.89	**111739**	14 55			01.81- 01.89	**110462**	12 2.8
		01.88- 01.89	**111363**	14 45					
4130		06.90- 06.05	**111739**	14 55			06.90- 06.05	**110462**	12 2.8
		06.90- 06.05	**111363**	14 45					
4600	[201CID]	01.75- 12.78	**111185**	14 43	A47		01.75- 12.78	**110462**	12 2.8
		01.88-	**111363**	14 45					
		01.88-	**111739**	14 55					
		01.88-	**111740**	14 70					
4610		01.81- 01.89	**111739**	14 55			01.81- 01.89	**110462**	12 2.8
		01.88- 01.89	**111363**	14 45					
4830							06.90- 06.05	**110462**	12 2.8
5000	[256CID]	01.68- 01.71	**110484**				01.68- 12.77	**110462**	12 2.8
5600	[233CID]						01.75- 12.77	**110462**	12 2.8
5610	[256CID]						01.81- 12.91	**110462**	12 2.8
5640	[4-268D]	01.94- 01.97	**113623**	14 70					
		01.94- 01.97	**113623**	14 70			01.92- 01.97	**110462**	12 2.8
		01.92- 01.97	**112718**	14 100					
6600	[256CID]	01.75- 01.81	**111185**	14 43	A47		01.75- 01.81	**110462**	12 2.8
		01.88-	**111363**	14 45					
		01.88-	**111739**	14 55					
		01.88-	**111740**	14 70					
6610	[401CID]	01.81- 01.96	**111739**	14 55			01.81- 01.96	**110462**	12 2.8
		01.81- 01.91	**111740**	14 70					
		01.88- 01.96	**111363**	14 45					
6640		01.94- 01.97	**113623**	14 70			01.92- 01.97	**110462**	12 2.8
		01.92- 01.97	**112718**	14 100					
6640		01.94- 01.97	**113623**	14 70					
6700		01.88-	**111363**	14 45					
		01.88-	**111739**	14 55					
		01.88-	**111740**	14 70					
7600		01.88-	**111363**	14 45					
		01.88-	**111739**	14 55					
		01.88-	**111740**	14 70					
			111185	14 43	A47				
7610		06.90- 06.05	**111739**	14 55			06.90- 06.05	**110462**	12 2.8
		06.90- 06.05	**111363**	14 45					
7700		01.88-	**111363**	14 45					
		01.88-	**111739**	14 55					
		01.88-	**111740**	14 70					
			111185	14 43	A47				
7710		01.87- 01.91	**111740**	14 70					
7740		01.94- 01.97	**113623**	14 70			01.86- 01.97	**112074**	12 3.1
		01.92- 01.97	**112718**	14 100			01.92- 01.97	**110462**	12 2.8
7810		06.90- 06.05	**111740**	14 70			01.96- 06.05	**112074**	12 3.1
							06.90- 06.05	**110462**	12 2.8
7840		01.94- 01.97	**113623**	14 70			01.96- 01.97	**112074**	12 3.1
		01.92- 01.97	**112718**	14 100			01.92- 01.97	**110462**	12 2.8
8210		01.82- 01.91	**110170**	14 72			06.90- 06.05	**110462**	12 2.8
8240		01.94- 01.97	**113623**	14 70			01.96- 01.96	**112074**	12 3.1
		01.92- 01.96	**112718**	14 100			01.92- 01.96	**110462**	12 2.8

FORD *Continued*

8340		01.94- 01.97	**113623**	14	70		01.96- 01.97	**112074**	12	3.1
		01.92- 01.97	**112718**	14	100		01.92- 01.97	**110462**	12	2.8
8600	[401CID]	01.75- 12.76	**111185**	14	43	A47	01.75- 12.76	**110462**	12	2.8
		01.88-	**111363**	14	45					
		01.88-	**111739**	14	55					
		01.88-	**111740**	14	70					
8630		06.90- 06.05	**111739**	14	55		06.90- 06.05	**110462**	12	2.8
		06.90- 06.05	**111363**	14	45					
8670		01.94- 12.97	**112996**	14	115					
8700		01.88-	**111739**	14	55					
			111185	14	43	A47				
8730							06.90- 06.05	**110462**	12	2.8
8770		01.94- 12.97	**112996**	14	115					
8830							06.90- 06.05	**110462**	12	2.8
8870		01.94- 12.97	**112996**	14	115					
8970		01.94- 12.97	**112996**	14	115					
9280		01.94- 12.97	**112996**	14	115					
9480		01.94- 12.97	**112996**	14	115					
9680		01.94- 12.97	**112996**	14	115					
9700		01.77- 01.79	**111185**	14	43	A47	01.77- 01.79	**110462**	12	2.8
		01.88-	**111739**	14	55					
9880		01.94- 12.97	**112996**	14	115					
TW 10							01.79- 01.82	**110462**	12	2.8
TW 15		01.83- 01.87	**110170**	14	72		01.83- 01.87	**110462**	12	2.8
TW 20		01.79- 01.82	**110170**	14	72		01.79- 01.82	**110462**	12	2.8
TW 25		01.83- 01.89	**110170**	14	72		01.83- 01.89	**110462**	12	2.8
TW 30							01.79- 01.82	**110462**	12	2.8
TW 35		01.83- 01.89	**110170**	14	72		01.83- 01.89	**110462**	12	2.8
Various Models		01.86- 01.92	**111713**	14	105		01.86- 12.88	**113125**	12	
		01.94- 01.98	**113623**	14	70			**111798#**	24	7.8
		01.87- 01.02	**113562**	14	40			**111300**	12	1.4
		01.65-	**110484**							
Fortschritt										
AGRICULTURE										
Various Models								**110511#**	24	4.0
Goldoni										
AGRICULTURE										
25, 1.0, Diesel	[12LD475]	11.90- 12.91	**111662**	14	33		11.90- 12.91	**112034**	12	1.7
35, 1.3, Diesel	[8LD665.2]	03.91-	**111662**	14	33					
50, 1.9, Diesel	[11LD626]	11.90-	**111662**	14	33					
60, 2.0, Diesel	[VM-RA 394]	11.90-	**110077**	14	50					
		11.90-	**110641**	14	33					
149, 0.6	[RF140]						06.84- 06.99	**112034**	12	1.7
238, 1.6, Diesel		01.77-	**111662**	14	33					
245, 1.9, Diesel	[11LD 625.3]	01.89-	**111662**	14	33					
718, 0.7	[7LD665]						01.74- 06.82	**113268**	12	1.6
938, 1.7, Diesel	[5LD 825.2]	09.88- 04.90	**111662**	14	33					
1038, 1.7, Diesel		01.80- 12.85	**111662**	14	33					
1055, 1.8, Diesel	[VM-RA 394]	03.87- 04.90	**110641**	14	33					
3050, 1.8, Diesel	[VM-RA 394]	04.86- 06.91	**110641**	14	33					
3050, 2.1, Diesel	[VM-HR 394]	06.91-	**112768**	14	55					
3070, 2.1, Diesel	[VM-HR 394]	06.91-	**112768**	14	55					
	[VM-RA 394]	06.90- 06.91	**110641**	14	33					
3445, 1.9, Diesel	[11LD 625.3]	10.88-	**111662**	14	33					
40 B, 1.6, Diesel	[11LD 535.3]	06.91-	**111662**	14	33					
50 B, 1.9, Diesel	[11LD 626.3]	06.91-	**111662**	14	33					
55 B, 2.0, Diesel	[VM-HR 394HP]	09.91-	**112768**	14	55					
933 DT, 1.3, Diesel	[8LD665.2]	09.88-	**111662**	14	33					
945 DT, 1.9, Diesel	[11LD 625.3]	04.90-	**111662**	14	33					
945 RS, 1.9, Diesel	[11LD 625.3]	04.90-	**111662**	14	33					
Cingolato C45, 2.0, Diesel	[VM-RA 394]	04.91-	**110641**	14	33					
		04.91-	**112768**	14	55					
Cingolato C60, 3.0, Diesel	[VM-SUN 3105]	04.91-	**110641**	14	33					
		04.91-	**112768**	14	55					
FC90D, 0.4	[6LD..]						04.91- 02.92	**112034**	12	1.7
Various Models							04.82-	**110813**	12	2.7
								112171	12	1.1
							01.74-	**112034**	12	1.7
							06.91-	**110844**	12	2.2
							01.74- 06.82	**113268**	12	1.6
								113381	12	2.5
								115423	12	3.0
Grasshopper										
AGRICULTURE										
722d	[Kubota]							**114686**	12	1.3
Gravely										
AGRICULTURE										
								114674	12	0.6
Hattat Tarim										
AGRICULTURE										
A-Series								**114388**	12	3.2 IS
								113655	12	3.0 MA
Hitachi										
AGRICULTURE										
Zaxis 135US	[4BG1TC]							**114324**	24	4.5
Zaxis 200 Forester	[6BG1T]	01.99-	**113886**	28	50					
Zaxis 250 Forester	[6BG1T]	01.99-	**113886**	28	50					

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Hough								
AGRICULTURE								
Various Models						01.89-	**112668**	12 2.5
Huerlimann								
AGRICULTURE								
Various Models						03.79-	**110530**	12 3.0
Inter Harv.								
AGRICULTURE								
1455 A, 6.6	[DT-402]	01.79- 12.96	**112160**	28 75				
Iseki								
AGRICULTURE								
234		01.82- 01.84	**111042**	14 35				
235		01.85- 01.90	**111042**	14 35				
244		01.82- 01.84	**111042**	14 35				
245		01.85- 01.90	**111042**	14 35				
254		01.82- 01.84	**111042**	14 35				
255		01.85- 01.90	**111042**	14 35				
265		01.85- 01.90	**111042**	14 35				
275		01.85- 01.90	**111042**	14 35				
325			**113699#**	14 40				
530			**113921**	14 40				
			111048	14 40				
2140			**111042**	14 35			**110933**	12 1.4
4451							**111683**	12 2.0
SL 3410, 3610, 3615, 3645	[3KC1, 3KR1]					01.85- 01.92	**111098**	12 1.0
TH185, Compact Tractor	[ISEKI 3112]					01.07-	**114860**	12 1.1
TM16, Compact Tractor	[ISEKI 3112]					01.07-	**114860**	12 1.1
TM3215, Compact Tractor	[ISEKI 3112]						**114860**	12 1.1
TM3245, Compact Tractor	[ISEKI 3112]						**114860**	12 1.1
TQ13, Compact Tractor	[ISEKI 3112]					01.07-	**114860**	12 1.1
TQ15, Compact Tractor	[ISEKI 3112]					01.07-	**114860**	12 1.1
TQ17, Compact Tractor	[ISEKI 3112]					01.07-	**114860**	12 1.1
TXG237, Compact Tractor	[ISEKI 3112]					01.07-	**114860**	12 1.1
Various Models			**114190**	14 60			**110933**	12 1.4
Jacobsen								
AGRICULTURE								
Lawn Mower	[VM Motori]						**114055**	12 2.3
JCB								
AGRICULTURE								
Excavators	[Isuzu 6BG1]						**114483**	24 4.5
Various Models			**114772**	14 95			**114320**	12 3.0
							114264	12 4.2
John Deere								
AGRICULTURE								
316	[Onan]					01.84- 01.92	**113015**	12
318	[Onan]					01.84- 01.92	**113015**	12
420	[Onan]					01.83- 01.91	**113015**	12
482, Cotton Pickers						01.80- 01.83	**111221**	12 2.5
484, Cotton Pickers						01.80- 01.83	**111221**	12 2.5
985, 7.6						03.87- 03.02	**111224**	12 4.0
1032, 4.0		10.83- 06.89	**110105**	14 55		10.92- 10.98	**111755**	12 3.0
1042, 4.0		10.83- 06.89	**110105**	14 55		10.92- 10.98	**111755**	12 3.0
1052, 4.0		10.83- 06.89	**110105**	14 55		10.92- 10.98	**111755**	12 3.0
1055, 5.9		10.83- 06.89	**110105**	14 55		10.92- 10.98	**111755**	12 3.0
1065, 5.9		03.94-	**111215**	14 120				
		03.94-	**113632**	14 85				
		03.94-	**113531**	14 120				
1068, 5.9		03.94-	**111215**	14 120		01.92- 10.96	**111755**	12 3.0
		03.94-	**113632**	14 85				
		03.94-	**113531**	14 120				
1072, 5.9		03.94-	**111215**	14 120				
		03.94-	**113632**	14 85				
		03.94-	**113531**	14 120				
1075, 5.9		03.94-	**111215**	14 120		10.81- 12.96	**111755**	12 3.0
		03.94-	**113632**	14 85				
		03.94-	**113531**	14 120				
1085, 7.6		03.94-	**111215**	14 120		02.82- 02.97	**111755**	12 3.0
		03.94-	**113632**	14 85				
		03.94-	**113531**	14 120				
1200	[Kawasaki]						**113734#**	12 0.6
1445, Diesel, Mower	[Yanmar]						**114400**	12 1.0
1545, Diesel, Mower	[Yanmar]						**114400**	12 1.0
2254						01.85- 01.92	**111755**	12 3.0
2256						01.85- 01.92	**111755**	12 3.0
2264						01.85- 01.92	**111755**	12 3.0
2266						01.85- 01.92	**111755**	12 3.0
2450						01.85- 01.92	**111755**	12 3.0
2630						01.74- 01.75	**111221**	12 2.5
2640						01.76- 01.82	**111221**	12 2.5
2650						01.85- 01.92	**111755**	12 3.0
2850						01.85- 01.92	**111755**	12 3.0
3120			**113742**	14 40				
3320			**113742**	14 40				
3520			**113742**	14 40				
3650						01.85- 01.92	**111755**	12 3.0
4055, 7.6	[6076 TRW-06]	01.89- 06.92	**111215**	14 120				
4120	[4024T]						**113900**	12 2.2
4200			**113742**	14 40				
4210			**113742**	14 40				

JOHN DEERE *Continued*

4255, 7.6	[6076 TRW..]	01.89- 06.92	**111215**	14	120				
4300			**113742**	14	40				
4310			**113742**	14	40				
4320	[4024T]						**113900**	12	2.2
4400			**113742**	14	40				
4410			**113742**	14	40				
4450, 7.6		05.83- 12.88	**110445**	14	90	05.83- 12.88	**111224**	12	4.0
4455	[6076 TRW..]	01.89- 06.92	**110445**	14	90	01.89- 06.92	**111224**	12	4.0
4500			**113742**	14	40				
4510			**113742**	14	40				
4520	[4024T]						**113900**	12	2.2
4600			**113742**	14	40				
4610			**113742**	14	40				
4700			**113742**	14	40				
4710			**113742**	14	40				
4720	[4024T]						**113900**	12	2.2
4755, 7.6	[6076 TRW..]	01.89- 05.94	**111215**	14	120				
4955, 7.6	[6076 A]	09.89- 01.92	**111215**	14	120				
5210							**113478**	12	2.8
5225							**113900**	12	2.2
5310							**113478**	12	2.8
5325							**113900**	12	2.2
5410							**113478**	12	2.8
6020		01.94-	**112529**	14	90				
6100, 4.5			**113632**	14	85				
6110, 4.5		01.97-	**112062**	14	115				
6120, 4.5		01.94-	**112529**	14	90				
		01.94-	**113949**	14	150				
6200, 3.9			**113632**	14	85				
6205						01.94-	**115609***	12	3.0 GR
						01.94-	**112442**	12	3.0 DD
6220, 3.9		01.94-	**112529**	14	90				
		01.94-	**113949**	14	150				
6230, 4.5			**114681**	14	90				
6320, 3.9		01.94-	**113949**	14	150	01.94-	**113478**	12	2.8
			112062	14	115				
		01.94-	**112529**	14	90				
6330, 4.5			**114681**	14	90				
6420, 4.5			**112062**	14	115				
		01.94-	**112529**	14	90				
		01.94-	**113949**	14	150				
6430, 4.5			**114681**	14	90				
6505						01.94-	**115609***	12	3.0 GR
						01.94-	**112442**	12	3.0 DD
6506							**112442**	12	3.0 DD
							115609*	12	3.0 GR
6510						01.94-	**115609***	12	3.0 GR
						01.94-	**112442**	12	3.0 DD
6520		01.94-	**113949**	14	150	01.94-	**112442**	12	3.0 DD
		01.94-	**112529**	14	90	01.94-	**115609***	12	3.0 GR
6610						01.94-	**115609***	12	3.0 GR
						01.94-	**112442**	12	3.0 DD
6620			**112062**	14	115	01.94-	**112442**	12	3.0 DD
		01.94-	**112529**	14	90	01.94-	**115609***	12	3.0 GR
		01.94-	**113949**	14	150				
6810, 10.0						08.91-	**115609***	12	3.0 GR
						08.91-	**112442**	12	3.0 DD
6820		01.94-	**112529**	14	90	01.94-	**112442**	12	3.0 DD
						01.94-	**115609***	12	3.0 GR
6910		01.97-	**112062**	14	115	01.94-	**112442**	12	3.0 DD
						01.94-	**115609***	12	3.0 GR
6920		01.94-	**112529**	14	90	01.94-	**112442**	12	3.0 DD
			112062	14	115	01.94-	**115609***	12	3.0 GR
		01.94-	**113949**	14	150				
7130			**114681**	14	90		**114275**	12	4.0
7230			**114681**	14	90		**114275**	12	4.0
7430		09.06-	**113707**	14	200				
7530		09.06-	**113707**	14	200				
7710		01.96-	**111830**	14	140				
7800, 7.6		09.92- 01.96	**111830**	14	140				
7810		01.96-	**111830**	14	140				
8120, 7.6	[6076 HRW35]	01.01-	**113899**	14	150				
		08.94-	**111830**	14	140				
8120, 8.1	[6081 HRW06]	03.96-	**111830**	14	140				
8220, 7.6	[6076 HRW35]	01.01-	**113899**	14	150				
		08.94-	**111830**	14	140				
8320		01.01-	**113899**	14	150				
8420		01.01-	**113899**	14	150				
8520		01.01-	**113899**	14	150				
9630			**114211***	14	200				
9910, Cotton Pickers						01.79- 01.83	**111221**	12	2.5
9920, Cotton Pickers						01.83- 01.83	**111221**	12	2.5
100F, 3.0, Diesel, Orchard	[VM Motori]						**114055**	12	2.3
6100D							**115314**	12	2.5
6125D							**115314**	12	2.5
6140D							**115314**	12	2.5
6420 S, 4.5			**112062**	14	115				
		01.94-	**112529**	14	90				
		01.94-	**113949**	14	150				

76F, 2.7, Diesel, Orchard	[VM Motori]						**114055**	12 2.3
85F, 2.7, Diesel, Orchard	[VM Motori]						**114055**	12 2.3
AMT 622						01.88- 01.90	**113734#**	12 0.6
AMT 626						01.90- 01.92	**113734#**	12 0.6
GT225	[Kohler]						**112546**	12 0.6
L105	[Briggs & Stratton]						**113853**	12
LX173	[Kohler]					01.96- 01.96	**112546**	12 0.6
LX255	[Kohler]						**112546**	12 0.6
STX30	[Kohler]					01.89- 01.93	**112546**	12 0.6
STX38	[Kohler]					01.89- 01.93	**112546**	12 0.6
Various Models			**113975**	14	150	01.79- 01.82	**112568**	12
			114211*	14	200		**113983**	12 3.0
		03.71- 03.88	**111649**	14	33		**113539**	12
		01.88- 01.95	**111713**	14	105		**113596**	12 0.6
			111215	14	120		**113597**	12 0.6
		01.81- 01.97	**113632**	14	85		**113663**	12 0.7
		09.79- 10.86	**110105**	14	55		**113007#**	24 4.0
			114263	14	50		**110412**	12 2.2
		01.98-	**112160**	28	75	09.67- 10.86	**111755**	12 3.0
			114379	14	150		**113853**	12
			114518	14	55		**114197**	12 1.1
		01.94- 01.98	**113401**	14	40		**114195**	12 3.0
		01.92- 01.98	**113531**	14	120		**114277**	24 7.5
		01.99- 01.03	**113543**	14	55	01.89- 01.96	**113017**	12
		01.98-	**111647**	28	60	01.66- 01.83	**112564**	12
		01.88- 01.95	**112996**	14	115		**114459**	12 4.8
		01.99- 01.03	**113542**	14	55		**111254**	24 4.5
			114735	14	150		**112246**	12 0.6
							110552	12 1.2
							111087	12 1.0
							110510	12 0.5
							114712	24 7.5
Various models, Tractor			**114864**	28	75		**114823**	12 0.6
Various Models	[Kawasaki]						**113734#**	12 0.6
			115320*	14	45		**114486**	12
			115435	14	50		**114401**	12 1.2
							114674	12 0.6
X300	[Kawasaki]						**114888**	12
X300R	[Kawasaki]						**114888**	12
X304	[Kawasaki]						**114888**	12
KHD								
AGRICULTURE								
DX250, 9.6							**114437**	24 5.4
Various Models			**115309**	28	35		**114676**	12 2.2
Kubota								
AGRICULTURE								
6800	[V3300]	01.02-	**114807**	14	60			
8200	[V3300]	01.02-	**114807**	14	60			
9000	[V3300]	01.02-	**114807**	14	60			
B2320	[D1105-E3]	01.08-	**114657**	14	14			
B2920	[D1305-E3]	01.08-	**114657**	14	14			
F2260							**114485**	12 1.1
F2560							**114485**	12 1.1
L2250	[D1302]					01.85- 01.90	**113893**	12 1.2
L2500	[D1403]						**113893**	12 1.2
L2550	[D1402]					01.85- 01.96	**113893**	12 1.2
L2650	[D1402]					01.90- 01.96	**113893**	12 1.2
L2800	[D1403]						**113893**	12 1.2
L2900	[D1503]					01.94- 01.98	**113893**	12 1.2
L2950	[D1462]					01.91- 01.93	**113893**	12 1.2
L3010	[D1503]					01.98- 01.02	**113893**	12 1.2
L3130	[D1503]					01.03- 01.05	**113893**	12 1.2
L3300	[D1703]					01.94- 01.98	**113893**	12 1.2
L3400	[D1703]						**113893**	12 1.2
L3410	[D1703]					01.98- 01.02	**113893**	12 1.2
L3430	[D1703]					01.03- 01.05	**113893**	12 1.2
L35	[D1703]						**113893**	12 1.2
L3540	[D1803]					01.07-	**115322**	12 1.4
L3830	[D1803]					01.07-	**115322**	12 1.4
L3940	[V2006]					01.07-	**115322**	12 1.4
M6040	[V3307]						**115378**	12 2.5
M7040	[V3307]						**115378**	12 2.5
M7580DT	[V4302]	01.91- 12.98	**114515**	14	45			
M8580DT	[V4702A]	01.91- 12.98	**114515**	14	45			
Various Models			**114515**	14	45		**114501**	12 1.0
			114516	14	14		**114259**	12 2.5
Lamborghini								
AGRICULTURE								
105, Diesel, Formula	[1004.4]					03.89- 12.99	**111001**	12 3.0
115, 6.0, Diesel, Formula	[1000.6]	12.89-	**111686**	14	65	12.89- 12.99	**111001**	12 3.0
135, 6.0, Diesel, Formula	[1000.6]	12.89-	**111686**	14	65	12.89- 12.99	**110530**	12 3.0
165, 6.0, Diesel, Racing	[1000.6]	05.91-	**111686**	14	65	05.91- 12.99	**110530**	12 3.0
190, 6.0, Diesel, Rasing	[1000.6]	01.92-	**111686**	14	65	01.92- 12.99	**110530**	12 3.0
775, 4.0, Diesel	[1000.4]	06.87- 12.99	**110882**	14	45	06.87- 12.99	**111001**	12 3.0
						06.87- 12.99	**110530**	12 3.0
804, 4.6	[FL1104]					06.73- 12.79	**110551**	12 3.0
904, 5.0	[FL1154]					03.73- 12.79	**110551**	12 3.0
1106, 5.5, Diesel, 2RM	[916.6]	01.84- 05.85	**110882**	14	45			
1306, 5.5, TD, DT	[916.6]	01.84- 05.85	**110882**	14	45			

LAMBORGHINI *Continued*

1506, 6.8, TD	[1106HT]	01.84- 05.85	**110882**	14	45				
1706, 6.8, TD	[1106]	01.84- 05.85	**110882**	14	45				
660 F, 3.0, Diesel	[1000.3]					06.87- 12.99	**111001**	12	3.0
674-70, 4.0, Diesel	[1000.4]	06.86- 12.99	**110882**	14	45	06.86- 12.99	**111001**	12	3.0
						06.86- 12.99	**110530**	12	3.0
674-70 N, 4.0, Diesel	[1000.4]	06.86- 12.95	**110882**	14	45	06.86- 12.95	**111001**	12	3.0
						06.86- 12.95	**110530**	12	3.0
674-70 N, 4.0, Diesel, Bosso	[1000.4]	06.86- 12.95	**110882**	14	45	06.86- 12.95	**111001**	12	3.0
						06.86- 12.95	**110530**	12	3.0
774-80, 4.0, Diesel	[1000.4]	06.86- 12.99	**110882**	14	45	06.86- 12.99	**111001**	12	3.0
						06.86- 12.99	**110530**	12	3.0
774-80 DT, 4.0, Diesel	[1000.4]	06.86- 12.99	**110882**	14	45	06.86- 12.99	**111001**	12	3.0
						06.86- 12.99	**110530**	12	3.0
774-80 N, 4.0, Diesel	[1000.4]	06.86- 12.99	**110882**	14	45	06.86- 12.99	**111001**	12	3.0
						06.86- 12.99	**110530**	12	3.0
874-90, 4.0, Diesel	[1000.4]	06.86- 12.99	**110882**	14	45	06.86- 12.99	**111001**	12	3.0
						06.86- 12.99	**110530**	12	3.0
956 DT, 5.5, Diesel	[916.6]	01.84- 05.85	**110882**	14	45	01.84- 12.99	**111001**	12	3.0
						01.84- 12.99	**110868#**	12	1.1
956-2 RM, 5.5, Diesel	[916.6]	01.84- 05.85	**110882**	14	45				
C 554, 2.8, Diesel	[100.3P]	06.87- 12.00	**111180**	14	33				
C 664, 3.1, Diesel						06.87- 12.00	**111001**	12	3.0
C 774-80, 4.0, Diesel	[1000.4]	06.86- 12.00	**110882**	14	45	06.86- 12.00	**111001**	12	3.0
						06.86- 12.00	**110530**	12	3.0
C 874-90, 4.0, Diesel	[1000.4]	09.90- 12.00	**110882**	14	45	09.90- 12.00	**111001**	12	3.0
C603, 3.1	[FL1104]					06.73- 06.76	**110551**	12	3.0
R 235 S, 1.8, Diesel		01.83- 09.90	**111649**	14	33				
R 513, 2.7, Diesel	[983L]	03.83- 12.95	**111180**	14	33				
R704, 4.6	[FL1104]					06.73- 04.78	**110551**	12	3.0
Various Models		12.80- 12.84	**110890**	14	55		**111284**	12	2.5
		01.84- 08.85	**110882**	14	45				
		06.78- 12.95	**111180**	14	33				
		07.86- 12.99	**111686**	14	65				
		03.71- 03.84	**110641**	14	33				
		04.81- 01.85	**111649**	14	33				
Landini									
AGRICULTURE									
55, 2.7	[Perkins]		**113474**	14	65				
60, 2.7	[Perkins]		**113474**	14	65				
60	[Perkins]		**113474**	14	65				
65, 2.7	[Perkins]		**113474**	14	65				
65, 4.0	[Perkins]		**113474**	14	65				
70, 4.0	[Perkins]		**113474**	14	65				
75, 4.2	[Perkins]		**113474**	14	65				
80, 4.0	[Perkins]		**113474**	14	65				
80, 4.2	[Perkins]		**113474**	14	65				
80	[Perkins]		**113474**	14	65				
90, 4.0	[Perkins]		**113474**	14	65				
90, 4.2	[Perkins]		**113474**	14	65				
100, 4.0	[Perkins]		**113474**	14	65				
100, 4.0, GT	[Perkins]		**113474**	14	65				
100, 4.2	[Perkins]		**113474**	14	65				
5860, 2.7	[Perkins]		**113474**	14	65				
Various Models, 4.0	[Perkins]		**113474**	14	65				
Various Models							**114107**	12	3.2
4.0	[Perkins]		**113474**	14	65		**115536**	12	2.8
	[Perkins]		**113474**	14	65		**115536**	12	2.8
Laverda									
AGRICULTURE									
3400		05.89-	**111419**	28	55				
3500		05.89-	**111419**	28	55				
3790		06.85-	**111686**	14	65				
3850		01.91-	**111686**	14	65				
3900		01.83- 12.85	**112097**	28	30				
L 521		03.92-	**111686**	14	65				
L 624		03.92-	**111686**	14	65				
MX 300		03.87- 10.90	**112097**	28	30				
Lombardini									
AGRICULTURE									
Various Models, 0.3	[IM..]					01.75-	**115423**	12	3.0
Various Models, 1.7		02.82- 11.86	**111662**	14	33				
Long									
AGRICULTURE									
350, 2.3	[Fiat]					05.74- 12.89	**110640**	12	3.0
445, 2.3	[Fiat]					05.74- 12.89	**110640**	12	3.0
550, 3.1	[Fiat]					05.74- 12.89	**110640**	12	3.0
Mahindra									
AGRICULTURE									
Various Models		Tractor.	**113683**	14	36		**112163**	12	2.0
							113670	12	2.2
Marshall									
AGRICULTURE									
D 100, 5.2, Diesel	[WD611.88]	01.90- 09.94	**113469**	14	33				
D 135, 6.6, Diesel	[WD612.87]	01.90-	**110881**	14	55				
		01.90- 09.94	**113469**	14	33				
D 150, 6.6, Diesel	[WD612.86]	01.90-	**110881**	14	55				
		01.90- 09.94	**113469**	14	33				
D 642, 3.5, Diesel	[WD411.44]	01.90-	**110881**	14	55				
		01.90- 09.94	**113469**	14	33				

O.E.M. names and numbers are used for reference purposes only.

D 644, 3.5, Diesel	[WD411.44]		01.90-	**110881**	14	55					
			01.90- 09.94	**113469**	14	33					
D 742, 3.5, Diesel	[WD411.90]		01.90-	**110881**	14	55					
			01.90- 09.94	**113469**	14	33					
D 744, 3.5, Diesel	[WD411.90]		01.90-	**110881**	14	55					
			01.90- 09.94	**113469**	14	33					
D 842, 3.5, Diesel	[WD411.88]		01.90-	**110881**	14	55					
			01.90- 09.94	**113469**	14	33					
D 844, 3.5, Diesel	[WD411.88]		01.90-	**110881**	14	55					
			01.90- 09.94	**113469**	14	33					
D 944, 5.2, Diesel	[WD611.43]		01.90- 09.94	**113469**	14	33					
Various Models			10.94-	**110881**	14	55					
			01.90-	**113469**	14	33					
Massey Ferguson											
AGRICULTURE											
152			01.81- 01.89	**111948**	14	70					
184			01.85- 01.89	**110770**	14	55			01.85- 01.89	**111346**	12 2.8
194			01.82-	**111948**	14	70					
240, 2.5			01.77-	**110970**	14	65			01.79- 12.88	**110819**	12 2.8
			01.79- 12.88	**111948**	14	70			01.79- 12.88	**110439**	12 2.0
245, 2.5			01.77-	**110970**	14	65			01.77- 12.88	**110819**	12 2.8
			01.79- 12.88	**111948**	14	70			01.72- 12.78	**112268**	12 2.8
									01.77- 12.88	**110439**	12 2.0
254, 2.5			01.73- 12.88	**110178**	14	36			01.82- 01.87	**110460**	12 2.8
			01.84-	**110770**	14	55			01.73- 12.78	**112268**	12 2.8
		Perkins AD3.152	01.77-	**110970**	14	65					
			01.79- 12.88	**111948**	14	70					
255, 2.5			01.77-	**110970**	14	65			01.77- 12.88	**110819**	12 2.8
			01.77- 12.88	**111948**	14	70			01.72- 12.78	**112268**	12 2.8
									01.77- 12.88	**110439**	12 2.0
260, 3.3			01.72- 01.75	**111948**	14	70					
			01.77-	**110970**	14	65					
265			01.70-	**110970**	14	65					
			01.81- 12.88	**111948**	14	70					
274, 3.9			01.84-	**110770**	14	55			01.82- 01.86	**110460**	12 2.8
			01.77-	**110970**	14	65			01.83- 12.88	**110565**	12 2.8
			01.83- 12.88	**111948**	14	70					
275			01.77-	**110970**	14	65					
			01.75- 12.88	**111948**	14	70					
284, 3.9			01.75-	**110970**	14	65					
			01.79- 12.88	**111948**	14	70					
285			01.77-	**110970**	14	65			01.79- 12.88	**110442**	12 2.1
			01.79- 12.88	**111948**	14	70		A13	01.79- 12.88	**111346**	12 2.8
290			01.80-	**111948**	14	70					
294			01.84-	**110770**	14	55					
298			01.80- 01.86	**111948**	14	70			01.80-	**110442**	12 2.1
									01.80-	**111346**	12 2.8
350			01.86- 01.92	**111355**	14	65			01.86-	**110819**	12 2.8
			01.86- 01.92	**110770**	14	55			01.86- 01.92	**110439**	12 2.0
354			01.92- 01.97	**111289**	14	70					
355			01.86- 01.92	**111355**	14	65			01.86-	**110819**	12 2.8
			01.86- 01.92	**110770**	14	55			01.86- 01.92	**110439**	12 2.0
360			01.87- 01.90	**111355**	14	65			01.83-	**110819**	12 2.8
			01.87- 01.90	**110770**	14	55					
362			01.88-	**111355**	14	65					
364			01.92- 01.97	**111289**	14	70					
365			01.86- 01.90	**111355**	14	65			01.86- 01.90	**110442**	12 2.1
			01.86- 01.90	**110770**	14	55		A13	01.86- 01.90	**111346**	12 2.8
375			01.86- 01.97	**110770**	14	55		A13	01.86- 01.97	**111346**	12 2.8
			01.86- 01.97	**111355**	14	65			01.86- 01.97	**110442**	12 2.1
383			01.86-	**110770**	14	55			01.83-	**110442**	12 2.1
									01.83-	**111346**	12 2.8
390			01.86- 01.97	**110770**	14	55			01.86- 01.97	**110442**	12 2.1
			01.86- 01.97	**111355**	14	65		A13	01.86- 01.97	**111346**	12 2.8
398			01.83- 01.84	**111355**	14	65			01.83- 01.84	**110442**	12 2.1
			01.83- 01.84	**110770**	14	55		A13	01.83- 01.84	**111346**	12 2.8
399			01.86- 01.90	**110770**	14	55			01.90- 01.96	**111737**	12 2.8
			01.86- 01.90	**111355**	14	65			01.86- 01.90	**110442**	12 2.1
								A13	01.86- 01.90	**111346**	12 2.8
550				**110107**	14	55			01.74- 01.81	**110439**	12 2.0
			01.78- 01.92	**111736#**	14	90			01.74- 01.81	**110819**	12 2.8
565			01.82- 12.88	**111948**	14	70					
			01.82- 12.88	**110107**	14	55					
575			01.81- 12.88	**111948**	14	70					
			01.81- 12.88	**110107**	14	55					
685									01.69- 01.71	**110443**	12 2.1
698			01.81-	**110107**	14	55			01.83-	**110442**	12 2.1
			01.83-	**110770**	14	55		A13	01.83-	**111346**	12 2.8
699			01.83-	**110770**	14	55			01.83-	**110442**	12 2.1
			01.83-	**113474**	14	65			01.83-	**111346**	12 2.8
850			01.81- 01.90	**111736#**	14	90					
860			01.81- 01.90	**111736#**	14	90					
865			01.81- 01.90	**111736#**	14	90					
1014			01.83-	**110770**	14	55					
				111185	14	43	A47				
1114			01.84-	**110770**	14	55					
1134			01.84-	**110770**	14	55					
1200	[Kohler]			**111185**	14	43	A47		01.71- 01.82	**110814**	12 2.7
									01.71- 01.79	**111737**	12 2.8

MASSEY FERGUSON *Continued*

1250		01.79-	113474	14	65		01.79-	111346	12	2.8
2640		04.82-	110970	14	65		01.79- 01.85	112136	12	2.8
		01.81- 01.85	111948	14	70					
		01.81- 01.85	110107	14	55					
3055	[Perkins]						01.94- 01.97	110615	12	2.8
3075	[Perkins]						01.94- 01.97	110615	12	2.8
3085		01.88- 01.93	112722	14	70		01.92- 01.93	111737	12	2.8
							01.88-	110443	12	2.1
3085		01.92-	111355	14	65					
3095		01.90-	111355	14	65					
3115		01.90-	111355	14	65					
3120	[Perkins]						01.90- 01.97	110615	12	2.8
3125		01.90-	111355	14	65					
3140	[Perkins]						01.90- 01.95	110615	12	2.8
3635		01.92- 01.95	111940#	14	70		01.92- 01.95	110443	12	2.1
3645		01.86- 01.91	111355	14	65		01.89- 01.91	110615	12	2.8
		01.89- 01.91	112722	14	70					
3650		01.86- 01.90	111948	14	70		01.86- 01.90	112136	12	2.8
		01.86- 01.90	110107	14	55					
3655		01.90- 01.95	112722	14	70		01.90- 01.94	111737	12	2.8
							01.90- 01.95	110615	12	2.8
3660	[Perkins]						01.90- 01.95	110615	12	2.8
3670	[Valment]						01.92- 01.94	110615	12	2.8
3680, 7.4	[612DS]	06.88-	111355	14	65	LU	06.88-	110615	12	2.8
		06.88-	111948	14	70	PR	06.89- 01.91	111737	12	2.8
3690	[Valment]						01.93- 01.97	110615	12	2.8
3890	[Valment]						01.87- 01.92	110615	12	2.8
4225		01.97-	110770	14	55					
4235		01.97-	110770	14	55					
4240		01.97-	110770	14	55					
4245		01.97- 01.00	110770	14	55					
		01.97- 01.00	111355	14	65					
4255		01.97- 01.00	111355	14	65		01.97- 01.00	111346	12	2.8
4260		01.97-	110770	14	55					
4265		01.97-	110770	14	55					
4270		01.97-	110770	14	55		01.97-	110565	12	2.8
6110		01.92-	111940#	14	70					
		01.92-	113961	14	120					
6120		01.92-	111940#	14	70					
		01.92-	113961	14	120					
6130		01.92-	111940#	14	70					
		01.92-	113961	14	120					
6140		01.92-	111940#	14	70					
		01.92-	113961	14	120					
6150		01.92-	111940#	14	70					
		01.92-	113961	14	120					
6160		01.96-	111940#	14	70	PR				
		01.96-	112722	14	70	LU				
		01.96-	113961	14	120					
6170	[6.365]	01.96-	111940#	14	70	PR	01.96-	110615	12	2.8
		01.96-	112722	14	70	LU				
		01.96-	113961	14	120					
6180	[6.365]	01.96-	111940#	14	70	PR	01.96-	110615	12	2.8
		01.96-	112722	14	70	LU				
		01.96-	113961	14	120					
6190		01.96-	111940#	14	70	PR	01.95- 01.98	110615	12	2.8
		01.96-	112722	14	70	LU				
		01.96-	113961	14	120					
6235			114049	14	120	IS		110439	12	2.0
			113961	14	120	VA				
6245			114049	14	120	IS		110439	12	2.0
			113961	14	120	VA				
6255			114049	14	120	IS		110439	12	2.0
			113961	14	120	VA				
6260			113961	14	120					
6270			114049	14	120	IS	01.99- 01.00	110615	12	2.8
			113961	14	120	VA				
6280		01.99-	114049	14	120	IS	01.99- 01.00	110615	12	2.8
		01.99-	112722	14	70					
		01.99-	113961	14	120	VA				
6290		01.99-	112722	14	70		01.99- 01.00	110615	12	2.8
		01.99-	113961	14	120					
8110		01.96-	111940#	14	70					
		01.96-	113961	14	120					
8120	[6.365]	01.96-	111940#	14	70		01.96-	110615	12	2.8
		01.96-	113961	14	120					
8130		01.96-	111940#	14	70					
		01.96-	113961	14	120					
8140	[6.403]	01.96-	111940#	14	70		01.96-	110615	12	2.8
		01.96-	113961	14	120					
8150	[6.403]	01.96-	111940#	14	70		01.96-	110615	12	2.8
		01.96-	113961	14	120					
8160	[6.451]	01.96-	111940#	14	70		01.96-	110615	12	2.8
		01.96-	113961	14	120					
8170			113961	14	120					
8180			113961	14	120					
8210			113961	14	120		01.99- 01.00	110615	12	2.8
8220			113961	14	120		01.99- 01.00	110615	12	2.8
8240		01.99-	113961	14	120		01.99-	110615	12	2.8

8240			**113961**	14	120			**110615**	12 2.8
							01.99-	**111737**	12 2.8
8250		01.99-	**113961**	14	120		01.99-	**110615**	12 2.8
8250		01.99-	**113961**	14	120		01.99-	**111737**	12 2.8
							01.99-	**110615**	12 2.8
8260		01.99-	**113961**	14	120		01.99-	**110615**	12 2.8
8260			**113961**	14	120		01.99-	**111737**	12 2.8
								110615	12 2.8
8270		01.99-	**113961**	14	120		01.99-	**111737**	12 2.8
							01.99-	**110615**	12 2.8
8280		01.99-	**113961**	14	120		01.99-	**111737**	12 2.8
							01.99-	**110615**	12 2.8
8560		01.86- 01.88	**111736#**	14	90				
			113961	14	120				
8570		01.90- 01.92	**111736#**	14	90				
			113961	14	120				
8590		01.85- 01.92	**111736#**	14	90				
			113961	14	120				
9270		01.92-	**111736#**	14	90				
9720		01.87- 01.92	**111736#**	14	90				
216 GTX	[Kohler]						01.91- 01.94	**113230#**	12 0.7
218 GTX	[Kohler]						01.91- 01.94	**113230#**	12 0.7
390 T		01.91- 01.97	**111355**	14	65		01.91- 01.97	**110442**	12 2.1
		01.91- 01.97	**110770**	14	55	A13	01.91- 01.97	**111346**	12 2.8
GC2400, Compact Tractor	[ISEKI 3112]						01.07-	**114860**	12 1.1
GC2410, Compact Tractor	[ISEKI 3112]						01.07-	**114860**	12 1.1
GC2600, Compact Tractor	[ISEKI 3112]						01.07-	**114860**	12 1.1
GC2610, Compact Tractor	[ISEKI 3112]						01.07-	**114860**	12 1.1
MF 6485, 6.6	[66.CTA]		**114671**	14	120				
MF 6490, 6.6	[66.CTA]		**114671**	14	120				
MF 6497, 6.6	[66.CTA]		**114671**	14	120				
MF 6499, 7.4	[74.CTA]		**114671**	14	120				
MF 7485, 6.6	[66.CTA]		**114671**	14	120				
MF 7490, 6.6	[66.CTA]		**114671**	14	120				
MF 7495, 6.6	[66.CTA]		**114671**	14	120				
MF 8450, 7.4			**114671**	14	120				
MF 8460, 7.4			**114671**	14	120				
MF 8470, 8.4			**114671**	14	120				
MF 8480, 8.4			**114671**	14	120				
Various Models			**113961**	14	120		01.79-	**112136**	12 2.8
		01.76- 12.83	**112989**	14	60		01.70-	**110565**	12 2.8
		01.51-	**114360**	14	70		01.69- 01.77	**110615**	12 2.8
		01.77-	**111948**	14	70		01.69- 01.73	**110443**	12 2.1
		01.73-	**110107**	14	55		01.68- 01.77	**110449**	12 3.6
		01.73-	**111184**	14	43		01.90-	**114107**	12 3.2
		01.83- 01.89	**110770**	14	55		01.82- 01.92	**110460**	12 2.8
		01.79- 01.83	**110178**	14	36		01.69-	**110819**	12 2.8
		01.81- 01.92	**111736#**	14	90		01.69- 01.81	**110439**	12 2.0
			110970	14	65		01.73- 01.78	**111346**	12 2.8
							01.91- 01.94	**111012**	12 0.5
							01.50-	**111024#**	12 3.6
							01.71- 01.79	**111737**	12 2.8
							01.73- 01.81	**112313**	12 0.5
							01.51-	**110818**	12 2.1
Matbro									
AGRICULTURE									
Various Models								**110462**	12 2.8
								113269	12 3.0
								110443	12 2.1
								110442	12 2.1
Mccormick									
AGRICULTURE									
MTX	[Perkins]							**114777**	12 3.0
Various Models								**114107**	12 3.2
Mercedes-Benz									
AGRICULTURE									
700, 3.8	[OM314.956]	07.73- 12.75	**111141**	14	55		04.74- 12.75	**110525**	12 3.0
	[OM314.957]						03.74- 12.75	**110525**	12 3.0
700, 4.0	[OM364.908]	03.87- 12.91	**111141**	14	55		03.87- 12.91	**110525**	12 3.0
800, 3.8	[OM314.957]	07.73- 12.75	**111141**	14	55		03.74- 12.75	**110525**	12 3.0
800, 4.0	[OM364.909]	03.87- 12.91	**111141**	14	55		03.87- 12.91	**110525**	12 3.0
900, 3.8	[OM314.970]	09.81- 12.82	**111141**	14	55		09.81- 12.82	**110525**	12 3.0
900, 4.0, Turbo	[OM364.951]	03.87- 12.91	**111141**	14	55		03.87- 12.91	**110525**	12 3.0
1000, 5.7	[OM353.985]	12.82- 03.87	**111141**	14	55		12.82- 03.87	**110525**	12 3.0
1000, 6.0	[OM366.908]	03.87- 12.91	**111141**	14	55		03.87- 12.91	**110525**	12 3.0
	[OM366.912]	03.87- 12.91	**111141**	14	55		03.87- 12.91	**110525**	12 3.0
1100, 5.7	[OM353.949]	03.79- 03.87	**111141**	14	55		01.81- 03.87	**110525**	12 3.0
1100, 6.0	[OM366.908]	03.87- 12.91	**111141**	14	55		03.87- 12.91	**110525**	12 3.0
	[OM366.912]	03.87- 12.91	**111141**	14	55		03.87- 12.91	**110525**	12 3.0
1300, 5.7	[OM353.957]	10.76- 03.87	**111141**	14	55				
1300, 6.0	[OM366.958]	03.87- 12.91	**111141**	14	55		03.87- 12.91	**110525**	12 3.0
	[OM366.977]	03.87- 12.91	**111141**	14	55		03.87- 12.91	**110525**	12 3.0
1400, 6.0	[OM366.958]	03.87- 12.91	**111141**	14	55		03.87- 12.91	**110525**	12 3.0
	[OM366.977]	03.87- 12.91	**111141**	14	55		03.87- 12.91	**110525**	12 3.0
1500, 5.7	[OM353.976]	07.80- 03.87	**111141**	14	55		07.80- 03.87	**110525**	12 3.0
1600, 6.0	[OM366.954]	06.90- 12.91	**111141**	14	55		06.90- 12.91	**110525**	12 3.0
65/70, 3.8	[OM314.956]	07.73- 12.75	**112098**	14	65		03.74- 12.75	**110525**	12 3.0

Mitsubishi											
AGRICULTURE											
Various Models, Tractors				**111832**	14	40			**110210**	24	6.6
New Holland											
AGRICULTURE											
165, 7.5								10.01- 12.07	**114447**	12	3.0
840			02.01-	**113898**	14	185					
1020				**115342**	14	40					
1320	[3-77]		01.87- 01.98	**113562**	14	40		01.87- 01.98	**112177**	12	1.7
1520	[3-81]		01.87- 01.97	**113562**	14	40		01.87- 01.97	**112177**	12	1.7
1530	[3-81]		01.96- 01.98	**113562**	14	40		01.96- 01.98	**112177**	12	1.7
1620	[3-81]		01.91- 01.97	**113562**	14	40		01.76- 01.79	**112177**	12	1.7
1630	[3-81]		01.96- 01.98	**113562**	14	40		01.97- 01.99	**112177**	12	1.7
1715	[3-81]		01.87- 01.97	**113562**	14	40		01.93- 01.97	**112177**	12	1.7
1720	[3-81]		01.87- 01.02	**113562**	14	40		01.87- 01.02	**112177**	12	1.7
1725	[3-81]		01.96- 01.98	**113562**	14	40		01.96- 01.98	**112177**	12	1.7
1920	[4-122]		01.87- 01.02	**113562**	14	40					
1925	[3-91]		01.96- 01.98	**113562**	14	40		01.96- 01.98	**112177**	12	1.7
2100	[Caterpillar 3406]							01.85-	**110462**	12	2.8
								01.85- 01.90	**112089**	12	
2110, 4-138	[Shibaura Diesel]								**110462**	12	2.8
2115	[Caterpillar 3406]							01.87-	**110462**	12	2.8
								01.87- 01.96	**112089**	12	
2120	[4-138]		01.87- 01.02	**113562**	14	40		01.87-	**110462**	12	2.8
3415	[4-135]		01.93- 01.02	**113562**	14	40		01.93-	**110462**	12	2.8
4635	[Ford]		09.95- 12.98	**111739**	14	55		09.95- 12.98	**110462**	12	2.8
		Ford	09.95- 12.98	**111363**	14	45					
4835	[Ford]							09.95- 12.98	**110462**	12	2.8
5635	[Ford]							09.95- 12.98	**110462**	12	2.8
5640, 4.4			11.91- 01.98	**112718**	14	100		11.91- 01.98	**110462**	12	2.8
6635	[Ford]		09.95- 12.98	**111355**	14	65					
6640, 5.0			11.91- 01.98	**112718**	14	100		11.91- 01.98	**110462**	12	2.8
7635	[Ford]		09.95- 12.98	**111355**	14	65		09.95- 12.98	**110462**	12	2.8
7740, 5.0			11.91- 01.98	**112718**	14	100		11.91- 01.98	**110462**	12	2.8
7840, 6.6			11.91- 12.98	**112718**	14	100		11.91- 12.98	**110462**	12	2.8
8080	[M10Y]							01.79- 01.85	**110539**	12	3.6
8160			09.95-	**113529**	14	120		09.95-	**113968**	12	3.6
8240, 7.5			11.91- 12.96	**112718**	14	100		11.91- 12.96	**110462**	12	2.8
8260			09.95-	**113529**	14	120		09.95-	**113968**	12	3.6
8340, 7.5			11.91- 07.98	**112718**	14	100		11.91- 07.98	**110462**	12	2.8
8360			09.95-	**113529**	14	120		09.95-	**113968**	12	3.6
8430, 5.9	[8065.25..]							04.94-	**110522**	12	3.0
8560			09.95-	**113529**	14	120		09.95-	**113968**	12	3.6
8630, 8.1	[8365.25..]							04.94-	**110522**	12	3.0
8830, 8.1	[8365.25..]							04.94-	**110522**	12	3.0
9030			01.90- 01.97	**111713**	14	105					
9282			01.96- 12.97	**112996**	14	115					
9482			01.96- 12.97	**112996**	14	115					
9682			01.96- 12.97	**112996**	14	115					
9882			01.96- 12.97	**112996**	14	115					
8000 Series	[Ford]		01.85-	**113574**	14	65					
			09.95- 12.01	**112718**	14	100					
			09.95-	**113529**	14	120					
M SERIES				**110178**	14	36		09.95-	**112074**	12	3.1
			09.95-	**113529**	14	120					
			09.95-	**112718**	14	100					
NH 95	[M8Y]							01.96-	**112074**	12	3.1
T1010				**115342**	14	40					
T1030				**115342**	14	40					
T1110				**115342**	14	40					
T7.170, 6.7			08.10-	**114228**	14	150					
T7.200, 6.7			08.10-	**114228**	14	150					
T7.210, 6.7			08.10-	**114228**	14	150					
T7.220, 6.7			08.10-	**114228**	14	150					
T7.250, 6.7			08.10-	**114228**	14	150					
T7.260, 6.7			08.10-	**114228**	14	150					
T7.270, 6.7			08.10-	**114228**	14	150					
TC Various Models				**113562**	14	40			**112177**	12	1.7
				114759	14	55					
TG210, 8.3				**113999**	14	150	IS				
				112773	14	135					
TG230, 8.3				**113999**	14	150	IS				
				112773	14	135					
TG255, 8.3				**113999**	14	150	IS				
				112773	14	135					
TG285, 8.3				**113999**	14	150	IS				
				112773	14	135					
TJ275, 8.3				**113999**	14	150	IS				
				112773	14	135					
TJ325, 8.9				**113999**	14	150	IS				
				112773	14	135					
TJ375, 15.0				**113999**	14	150	IS				
				112773	14	135					
TJ425, 15.0				**113999**	14	150	IS				
				112773	14	135					
TJ450, 15.0				**113999**	14	150	IS				
				112773	14	135					
TJ500, 15.0				**113999**	14	150	IS				
				112773	14	135					

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TL Series		10.98-	**114384**	14 85	09.97-	**113182**	12 3.0	
		10.98-	**114669**	14 65				
TM SERIES		11.99-	**113529**	14 120				
TS 115		07.03-	**112718**	14 100				
TV 140		01.98-	**112718**	14 100				
TX34						**113125**	12	
Various Models			**113621**	14 115		**114021**	12 3.0	
			114450*	14 120		**114050**	12 4.2	
						114196	24 4.0	
						114399	12 2.7	
Payloader								
AGRICULTURE								
Various Models					01.69- 06.76	**110523**	24 4.8	
					01.69- 12.85	**111752**	12 2.7	
					01.69- 01.75	**110438**	12 2.1	
Renault Agriculture								
AGRICULTURE								
610, RX,RZ	[6059D]		**114513**	14 95				
620, RX,RZ	[6068D]		**114513**	14 95				
630, RX,RZ	[6068T]		**114513**	14 95				
640, RZ	[6068T]		**114513**	14 95				
710	[DPSG-6068T1]		**114514**	14 95		**113532**	12 3.0	
720	[DPSG-6068T2]					**113532**	12 3.0	
725, 6.8	[HRT51]		**114514**	14 95		**113532**	12 3.0	
735, 6.8	[HRT52]		**114514**	14 95		**113532**	12 3.0	
815, 6.8	[TRT52]		**114514**	14 95		**113532**	12 3.0	
825, 6.8	[HRT51]		**114514**	14 95		**113532**	12 3.0	
836	[DPSG-6068T2]					**113532**	12 3.0	
Various Models						**111332**	12 2.7	
						113432		
Same								
AGRICULTURE								
Buffalo 120, 6.2	[DA1056]				01.78- 10.80	**110530**	12 3.0	
					07.74- 12.77	**110551**	12 3.0	
					10.80- 10.81	**111001**	12 3.0	
Centauro 70, Diesel		12.81- 10.87	**111180**	14 33	12.81- 10.87	**110530**	12 3.0	
		06.85-	**110890**	14 55				
		12.81- 10.87	**110882**	14 45				
Centurion 75, Diesel		11.78- 05.88	**110882**	14 45	11.78- 05.88	**110530**	12 3.0	
		01.81-	**110890**	14 55				
		11.78- 05.88	**111180**	14 33				
Drago, 5.4					01.78- 05.86	**110530**	12 3.0	
					10.80- 10.83	**111001**	12 3.0	
					11.71- 12.77	**110551**	12 3.0	
Explorer 60, 3.0, Diesel	[100.3A]	06.86-	**110882**	14 45				
Explorer 70, 4.0, Diesel		07.86-	**110882**	14 45	07.86-	**111001**	12 3.0	
Explorer 80, 4.0, Diesel					07.86-	**111001**	12 3.0	
Explorer 90, 4.0, Diesel		06.86-	**110882**	14 45	06.86-	**111001**	12 3.0	
Frutteto 75, 3.0, Diesel					05.91-	**111001**	12 3.0	
					05.91-	**110530**	12 3.0	
Galaxy 170, 6.2, Diesel					06.83-	**110530**	12 3.0	
Laser 100, 5.2, Diesel		03.84- 05.85	**110882**	14 45	03.84-	**110530**	12 3.0	
Laser 110, 5.7, Diesel					03.83- 12.87	**110530**	12 3.0	
Laser 130, 6.2, Diesel					04.83- 12.87	**110530**	12 3.0	
Laser 150, 6.2, Diesel		03.83-	**110882**	14 45	03.83- 12.87	**110530**	12 3.0	
Panter, 4.5	[DA985]				07.74- 12.77	**110551**	12 3.0	
Ranger 45, 2.7, Diesel		09.85- 04.88	**110882**	14 45	02.82-	**110530**	12 3.0	
		02.82- 08.85	**111180**	14 33				
Solar 50, 2.7, Diesel		06.86-	**110882**	14 45				
Solar 55, 2.8, Diesel		06.87-	**110882**	14 45				
Solar 60, 3.1, Diesel					06.86-	**110530**	12 3.0	
Titan 160, 6.0, Diesel		05.91-	**112556**	14 95	05.91-	**110530**	12 3.0	
Titan 190, 6.0, Diesel		01.92-	**112556**	14 95	01.92-	**110530**	12 3.0	
Transporter					01.91-	**110530**	12 3.0	
Various Models		01.70- 01.97	**111649**	14 33	05.60-	**110530**	12 3.0	
					01.80-	**111645**	12 0.4	
						111001	12 3.0	
					11.71- 12.77	**110551**	12 3.0	
Sampo-Rosenlew								
AGRICULTURE								
Various Models					01.69-	**110545**	12 3.0	
					01.70- 01.90	**111737**	12 2.8	
						114254	12 2.7	GR
Sisu								
AGRICULTURE								
SK 150, 6.6	[611 CSBA]				09.81- 12.95	**113484**	24 4.0	
Steiner								
AGRICULTURE								
230	[Kubota]		**113856**	14 40				
Steyr								
AGRICULTURE								
8050, 2.6	[WD 311..]	09.86-	**113469**	14 33				
8060, 2.6	[WD 311..]	09.80- 02.87	**113469**	14 33				
8065, 2.6	[WD 311..]	09.86- 09.94	**113469**	14 33				
8070, 3.5	[WD 411..]	01.80- 09.94	**113469**	14 33	01.80-	**111001**	12 3.0	
8075, 3.5	[WD 411..]	01.84- 09.94	**113469**	14 33	01.84-	**111001**	12 3.0	
8080, 3.5	[WD 411..]	01.80- 09.94	**113469**	14 33	01.80-	**111001**	12 3.0	
8085, 3.5	[WD 411..]				02.90-	**111001**	12 3.0	
8090, 3.5	[WD 411..]	01.84- 04.94	**113469**	14 33	01.84-	**111001**	12 3.0	

STEYR *Continued*

8110, 5.2	[WD 611..]	07.84- 09.94	**113469**	14	33	12.78-	**111001**	12	3.0	
8130, 5.2	[WD 611..]	07.84- 09.94	**113469**	14	33	10.84-	**111001**	12	3.0	
8150, 6.6	[WD 612..]	12.82- 09.94	**113469**	14	33					
8300, 9.7	[WD615..]					02.82- 04.87	**110601**	24	5.4	
Ursus										
AGRICULTURE										
912							**110551**	12	3.0	
914							**110551**	12	3.0	
933							**110551**	12	3.0	
935							**110551**	12	3.0	
1014							**110551**	12	3.0	
1033							**110551**	12	3.0	
1035							**110551**	12	3.0	
1133							**110551**	12	3.0	
1614							**110551**	12	3.0	
C360							**114254**	12	2.7	GR
							110545	12	3.0	
C385							**114254**	12	2.7	GR
							110551	12	3.0	
							110545	12	3.0	
Valpadana										
AGRICULTURE										
2020, 0.7	[7LD665]					03.88- 12.90	**113268**	12	1.6	
Various Models							**112171**	12	1.1	
							110844	12	2.2	
							113268	12	1.6	
VMC 130						01.89-	**112171**	12	1.1	
VMC 150						04.84-	**112171**	12	1.1	
Valtra										
AGRICULTURE										
305		01.83-	**113574**	14	65					
355		01.89- 01.94	**111362**	14	55					
405		01.83-	**113574**	14	65					
411	[411C]					01.81- 01.85	**113484**	24	4.0	
455		01.89- 01.94	**111362**	14	55					
505, 3.3		08.82-	**113574**	14	65	01.69- 01.75	**110545**	12	3.0	
						08.82-	**114254**	12	2.7	GR
605, 3.3						08.82- 06.94	**110545**	12	3.0	
		08.82-	**113574**	14	65	08.82-	**114254**	12	2.7	GR
611, 6.6	[611C]					01.75- 12.85	**113484**	24	4.0	
705, 4.4						01.71- 01.72	**110545**	12	3.0	
		08.82-	**113574**	14	65	08.82-	**114254**	12	2.7	GR
805, 4.4						08.82- 06.94	**110545**	12	3.0	
		08.82-	**113574**	14	65	08.82-	**114254**	12	2.7	GR
905		01.83-	**113574**	14	65					
2005		01.85-	**112742**	14	90					
2105		01.85-	**112742**	14	90					
6000		01.90-	**113574**	14	65					
6100		01.90-	**113574**	14	65					
6300		01.91-	**110968**	14	70					
		01.91-	**111355**	14	65					
6400		01.91-	**110968**	14	70					
		01.91-	**111355**	14	65					
6600		01.91-	**110968**	14	70					
		01.91-	**111355**	14	65					
8000		01.90-	**110968**	14	70					
		09.90-	**111355**	14	65					
8050	[620DS]	01.96-	**112556**	14	95	01.96-	**114254**	12	2.7	GR
						01.96-	**110545**	12	3.0	
8100		01.90-	**110968**	14	70					
		09.90-	**111355**	14	65					
8150	[620DS]	01.96-	**112556**	14	95	01.96-	**114254**	12	2.7	GR
						01.96-	**110545**	12	3.0	
8300	[612D]	01.90- 01.93	**111355**	14	65					
8400	[620DS]	01.93- 01.95	**111355**	14	65					
8450	[620DW]	01.96-	**112556**	14	95	01.96-	**114254**	12	2.7	GR
						01.96-	**110545**	12	3.0	
8550	[634DS]	01.98-	**112556**	14	95	01.98-	**114254**	12	2.7	GR
						01.96-	**110545**	12	3.0	
8600	[612DS]	01.90- 01.93	**111355**	14	65					
8750	[634DA]	01.98-	**112556**	14	95	01.96- 01.98	**110545**	12	3.0	
						01.96-	**114254**	12	2.7	GR
	[634DS]	01.98-	**112556**	14	95	01.96-	**114254**	12	2.7	GR
						01.96- 01.98	**110545**	12	3.0	
8950	[634DS]	01.98-	**112556**	14	95	01.98-	**114254**	12	2.7	GR
						01.98-	**110545**	12	3.0	
A75N, 3.3, Turbo	[33DT]						**113901**	12	3.0	
A85N, 4.4, Turbo	[44DT]						**113901**	12	3.0	
A95N, 4.4, Turbo	[44DT]						**113901**	12	3.0	
S230, 8.4		01.02-	**113610**	14	120					
		01.02-	**112556**	14	95					
S260, 8.4	[645D..]	01.02-	**112556**	14	95					
		01.02-	**113610**	14	120					
T120		01.02-	**113610**	14	120	04.00-	**113570**	12	4.0	
		01.02-	**112556**	14	95					
T130		01.02-	**113610**	14	120	04.00-	**113570**	12	4.0	
T140		01.02-	**113610**	14	120	04.00-	**113570**	12	4.0	
T160		01.02-	**113610**	14	120	04.00-	**113570**	12	4.0	
T170		01.02-	**113610**	14	120	04.00-	**113570**	12	4.0	

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T180		01.02-	113610	14	120	04.00-	113570	12	4.0
T190		01.02-	113610	14	120	04.00-	113570	12	4.0
Various Models							113570	12	4.0
X 100		01.02-	113610	14	120				
		01.99-	112556	14	95				
X 110		01.02-	113610	14	120				
		01.99-	112556	14	95				
X 120		01.99-	113610	14	120				
		01.99-	112556	14	95				
Various Agriculture Vehicles									
AGRICULTURE									
			115387	28	140		115428	12	1.8
			114813	28	65		110182	12	0.9
			111296	28	55		110245	12	1.7
			112183	14	60		110246	12	1.4
			111620	14	65		110356	12	1.4
			111356	14	55		110421	12	0.8
			110972	14	65		110447	12	1.0
			114256	14	70		110461	12	2.8
			110117	28	35		110464	12	2.1
			110325#	14	18		110468	12	
			110448	28	20		110469	12	
			110497	14	70		110512	24	5.4
			110505	14	75		110534	24	5.4
			110591	28	75		110635	12	0.5
			110620	14	35		110817	12	2.1
			110643#	28	40		111574	12	2.8
			110969	14	65		111622	12	1.2
			110971#	14	65		111646	12	0.2
			110975	14	65		111701	12	0.8
			111369	14	90		111804	12	0.6
			111833	28	140		111855	12	2.2
			112194	14	120		111911	12	1.4
			114767	28	100		112041	12	2.2
			115386	28	140		112242	12	0.6
			114004	14	150		110940	12	1.4
							110949	12	0.6
							111015	12	1.1
							111021	12	1.4
							111049	12	
							111103	12	0.8
							111197	12	2.0
							111284	12	2.5
							111573	12	2.8
							115590	24	9.0
							114677	12	2.0
							115393	12	4.0
							112249	12	2.7
Volvo BM									
AGRICULTURE									
861, 5.5	[TD60B]					09.79- 07.86	113482	12	3.0
2650, 5.5	[TD60B]	05.79- 06.82	112742	14	90	05.79- 06.82	113482	12	3.0
2654, 5.5	[TD60B]	05.79- 06.82	112742	14	90	05.79- 06.82	113482	12	3.0
A20, 6.7						08.86- 08.01	113850	24	5.4
L 120, 6.7		01.87- 01.02	113477	28	55				
L 160		01.87-	111528	28	55	01.87- 12.90	110207	24	5.4
		01.87- 01.02	113477	28	55				
L 70, 4.5	[TD45B]	11.91-	113477	28	55				
L 90, 5.5	[TD61GB]	11.91- 01.94	113477	28	55				
LM 621, 4.0, Diesel	[D42A]					09.70- 06.78	112132	24	4.0
LM 641, 4.0, Diesel	[D42A]					09.70- 06.78	112132	24	4.0
LM 841, 5.0, Diesel	[D50B]					04.72- 05.75	112132	24	4.0
LM 845, 5.0, Diesel	[D50B]					01.71- 12.73	112132	24	4.0
LM 846, 5.0, Diesel	[D50B]					05.72- 12.75	112132	24	4.0
SM 868, 5.0	[D50B]					08.70- 10.74	113482	12	3.0
SM 980, 5.0	[TD50B]					11.71- 06.76	113482	12	3.0
T 650, 4.0	[D42A]					02.70- 06.82	113482	12	3.0
T 700, 4.0	[TD42]					06.76- 06.82	113482	12	3.0
T350, Diesel						01.61- 08.64	110537	12	3.6
T800, Diesel	[D50A]		112310	14	55	01.67- 12.75	111217	12	3.0
						01.67- 01.75	110537	12	3.6
T810, Diesel	[TD50A]		112310	14	55	03.69- 12.75	111217	12	3.0
						01.69- 01.75	110537	12	3.6
T814, Diesel	[TD50A]		112310	14	55	01.69- 01.75	110537	12	3.6
Various Tractors			114465	14	70				
Yanmar									
AGRICULTURE									
YM1300	[2T73]					01.77-	113680	12	0.9
	[2TR13]						112674	12	1.3
YM1500	[2TR13]						112674	12	1.3
Zetor									
AGRICULTURE									
3320		01.92-	110621	14	55				
3321		01.97-	110621	14	55	01.97-	110545	12	3.0
			112035	14	70	01.97-	114254	12	2.7 GR
3340		01.92-	110621	14	55	01.92-	114254	12	2.7 GR
						01.92-	110545	12	3.0

ZETOR *Continued*

3341	01.97-	110621	14	55	01.97-	114254	12	2.7	GR
		112035	14	70	01.97-	110545	12	3.0	
4320	01.92-	110621	14	55	01.92-	110545	12	3.0	
					01.92-	114254	12	2.7	GR
4321		112035	14	70	01.97-	110545	12	3.0	
	01.97-	110621	14	55	01.97-	114254	12	2.7	GR
4340	01.92-	110621	14	55	01.92-	114254	12	2.7	GR
					01.92-	110545	12	3.0	
4341		112035	14	70	01.97-	114254	12	2.7	GR
	01.97-	110621	14	55	01.97-	110545	12	3.0	
4718	01.74- 01.81	112098	14	65	01.74- 01.81	114254	12	2.7	GR
					01.74- 01.81	110545	12	3.0	
5011	01.81- 01.85	112098	14	65	01.81- 01.85	114254	12	2.7	GR
					01.80- 01.84	110545	12	3.0	
5211	01.91-	110621	14	55					
5245	01.91-	110621	14	55					
5320	01.92-	110621	14	55	01.92-	114254	12	2.7	GR
					01.92-	110545	12	3.0	
5321		112035	14	70	01.97-	114254	12	2.7	GR
	01.97-	110621	14	55	01.97-	110545	12	3.0	
5340	01.92-	110621	14	55	01.92-	114254	12	2.7	GR
					01.92-	110545	12	3.0	
5341	01.97-	110621	14	55	01.97-	114254	12	2.7	GR
		112035	14	70	01.97-	110545	12	3.0	
6211	01.91-	110621	14	55					
6245	01.91-	110621	14	55					
6320	01.92-	110621	14	55	01.92-	114254	12	2.7	GR
					01.92-	110545	12	3.0	
6321		112035	14	70	01.97-	114254	12	2.7	GR
	01.97-	110621	14	55	01.97-	110545	12	3.0	
6340	01.92-	110621	14	55	01.92-	114254	12	2.7	GR
					01.92-	110545	12	3.0	
6341		112035	14	70	01.97-	114254	12	2.7	GR
	01.97-	110621	14	55	01.97-	110545	12	3.0	
7211	01.91-	110621	14	55					
7245, 3.6	01.91-	110621	14	55	01.84- 01.03	114254	12	2.7	GR
					01.84- 01.91	110545	12	3.0	
7320		112035	14	70	01.92-	114254	12	2.7	GR
	01.92-	110621	14	55	01.92-	110545	12	3.0	
7321		112035	14	70	01.97-	114254	12	2.7	GR
	01.97-	110621	14	55	01.92-	110545	12	3.0	
7340	01.92-	112035	14	70	01.92-	114254	12	2.7	GR
	01.92-	110621	14	55	01.92-	110545	12	3.0	
7341		112035	14	70	01.97-	114254	12	2.7	GR
	01.97-	110621	14	55	01.97-	110545	12	3.0	
7520	01.91-	112035	14	70					
	01.91- 01.98	110621	14	55					
7540	01.91-	112035	14	70					
	01.91- 01.98	110621	14	55					
7711	01.91-	110621	14	55					
7745, 3.9	01.91-	110621	14	55	01.86- 01.90	114254	12	2.7	GR
					01.88- 01.03	110545	12	3.0	
8111					01.75- 01.80	110551	12	3.0	
8145					01.75- 01.80	110551	12	3.0	
8245					01.75- 01.80	110551	12	3.0	
8520		112035	14	70					
	01.97-	110621	14	55					
8540		112035	14	70					
	01.97-	110621	14	55					
9211, 4.2					01.75- 01.80	110551	12	3.0	
9245, 4.2					01.75- 01.80	110551	12	3.0	
9520		112035	14	70					
	01.91- 01.00	110621	14	55					
9540		112035	14	70					
	01.91- 01.00	110621	14	55					
10011					06.75- 01.80	110551	12	3.0	
10045					06.75- 01.80	110551	12	3.0	
10111					06.73- 01.80	110551	12	3.0	
10145, 4.6					01.75- 01.80	110551	12	3.0	
10211					06.75- 01.80	110551	12	3.0	
10245					01.75- 01.80	110551	12	3.0	
10540		112035	14	70					
	01.95-	110621	14	55					
Various Models		110621	14	55					

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		01.86-	**240821**	12
5120, Maxxum	[6T-590]	01.90-	**240389**	12
5130, Maxxum	[6T-590]	01.90-	**240389**	12
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5150	[6T-590]	06.90-	**240389**	12
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			241088	12
			241090	
			240821	12
			241089	12
			241085	
			240818	12
		01.65-	**240341**	12
			241081	12
Claas				
AGRICULTURE				
Various Models			**240402**	12
			240413	12
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			240347	12
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AGRICULTURE				
Various Models			**241092**	
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2256			**240552**	12
2258, 8.1	[6081 HZ005]	06.96-	**240552**	12
2264			**240552**	12
2266			**240552**	12
6110, 4.5		01.97-	**240553**	12
6200, 3.9		01.97-	**240553**	12
6610		01.94-	**240552**	12
6910		01.94-	**240552**	12
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7810		01.96-	**240559**	12
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4225			**240428**	12
4235			**240428**	12
4240			**240428**	12
4245			**240428**	12
4255			**240428**	12
4260			**240428**	12
4265			**240428**	12
4270			**240428**	12
4325			**240428**	12
4335			**240428**	12
4345			**240428**	12
4355			**240428**	12
4360			**240428**	12
4365			**240428**	12
4370			**240428**	12
5335			**240428**	12
5340			**240428**	12
5355			**240428**	12
5360			**240428**	12
5365			**240428**	12
5425			**240428**	12
5435			**240428**	12
5445			**240428**	12
5455			**240428**	12
5465			**240428**	12
6235			**240428**	12
6245			**240428**	12
6255			**240428**	12
6260			**240428**	12
6270			**240428**	12
6280			**240428**	12
6290			**240428**	12
8170			**240428**	12
8180			**240428**	12
8210			**240428**	12
8220			**240428**	12
8240			**240428**	12
8250			**240428**	12
8270			**240428**	12
8280			**240428**	12
Various Models			**240347**	12
			241087	
		01.51-	**240329**	12
		01.51-	**241086**	12
		01.51-	**241093**	12
		01.51-	**241094**	12
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720		04.01-	**240406**	12
740		04.01-	**240406**	12
760		04.01-	**240406**	12
780		04.01-	**240406**	12
820		02.01-	**240406**	12
4635	[Ford]	09.95- 12.98	**240393**	12
4835	[Ford]	09.95- 12.98	**240393**	12
5635	[Ford]	09.95- 12.98	**240393**	12
5640, 4.4		11.91- 01.98	**240434**	12
6635	[Ford]	09.95- 12.98	**240393**	12
6640, 5.0		11.91- 01.98	**240434**	12
7635	[Ford]	09.95- 12.98	**240393**	12
7740, 5.0		11.91- 01.98	**240434**	12
7840, 6.6		11.91- 12.98	**240434**	12
8240, 7.5		11.91- 12.96	**240434**	12
8340, 7.5		11.91- 07.98	**240434**	12
140-90	[Fiat]	01.96-	**240393**	12
50-86	[Fiat]	03.92-	**240393**	12
55.86	[Fiat]	03.92-	**240393**	12
60-86	[Fiat]	03.92-	**240393**	12
65-94	[Fiat]	01.93- 12.95	**240393**	12
70-86	[Fiat]	03.92-	**240393**	12
72-94	[Fiat]	01.93- 12.95	**240393**	12
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		09.95-	**240432**	12
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TS 110, 5.0		11.97-	**240434**	12
TS 115		12.98-	**240434**	12
TS 125		07.03-	**240434**	12
TV 140		01.98-	**240432**	12
TX34			**240821**	12
			240818	12
Various Models			**240818**	12
			241081	12
			240391	12
			240821	12
			240341	12
Renault Agriculture				
AGRICULTURE				
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	241099	12
	241098	12
	241097	12
	241096	12
	241095	24
	241094	12
	241093	12
	241092	
	241091	12
	241090	
	241088	12
	241087	
	241089	12
	241086	12
	241085	
	241084	24
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OE No.	HC-CARGO
ACE	
13701	130505
CA-14037	111185
CA-14331	110975
CA-5106	112260
CA-5110	110300
CA-5136-3	110505
CA-5148-12	111713
CA-5150-12	110508
CA-5170	112996
CA-5174	113432
CA-5177	112992
CA-9173	112996
CG-15017	110482
CG-I5027	110484
CM-16121	111103
CM-16215	110421
CM-16445	110536
CM-16445	110775
CM-16739	111683
CM-16795	110182
CM-3591	110529
CM-3592	110522
CM-3600	110518
CM-3621	110536
CM-3670	110536
CM-3680	110523
CM-4048	111000
CM-4051	110347
CM-4051	110436
CM-4051	110999
CM-4051	111000
CM-4051	112089
CM-4054	110436
CM-4055	110999
CM-4161	110207
CM-4161	110534
CM-5091	110347
CM-5091	112089
CM-5095	110999
CM-5096	110436
CM-5097	111000
CM-5098	111000
CM-5098	112089
CM-58800	110627
CM-8001	112256
CM-8004	112268
CM-8005	111041
CM-8007	110604
CM-8011	111760
CM-8012	112268
CM-8017	111221
CM-8041	111224
CM-8042	112243
CM-8043	111224
S-5350	150407
SBS-0009	110635
VR-1701	130505
VR-2226	130033
AEP	
AB00043	112194
ABO0222	112773
ADR0007	112260
ADR0009	110300
ADR0010	112989
ADR0036	110801
ADR0045	112996
ADR0047	112160
ADR0061	113432
ADR0072	110591
ADR0195	111713
ADR271	112160
ALU0012	113623
ALU0013	113623
AMA0001	113543
AND0212	113921
AND0217	113921
AND0459	113921

OE No.	HC-CARGO
GDR0001	113142
GDR0002	113143
GDR0003	113598
GHI0002	113145
GHI0006	113145
SAB0009	113015
SAB0026	112831
SAB0038	112150
SAB0041	110949
SAB0042	111701
SAB0043	110510
SAB0060	111012
SAB0065	112568
SBO0075	113534
SBO0115	111755
SBS0003	111804
SBS0008	110635
SDR0026	113125
SDR0028	110436
SDR0075	110436
SDR0159	112089
SFD0045	113728
SLU0002	110462
SLU0003	110462
SMT0126	111300
SND0032	113230
SND0081	112246
SND0137	111683
SND0242	110421
SND0285	113597
SND0287	113596
SND0402	113663
SNK0005	112668
SNK0023	112268
SNK0024	113452
SNK0032	112668
SNK0034	113007
SSE6002	234073
SSE6004	234070
STC0005	112313
STC0007	112564
STC0026	113017
AES	
16990	113725
16608LN	110462
16608N	110462
16739N	111683
18139N	113696
18145N	113893
18404N	113734
3109N	113728
55513N	112546
6371N	110436
6372N	110436
6501-308	113125
6572N	112268
6574N	111760
6587N	112268
6589N	113452
7138N	112260
7197N	110300
G108	113145
S1052	110510
S1053	110510
S1053N	110510
S1055	111701
S1058	111012
S1070	110949
S121	110635
S150N	112150
SSE6000	234072
SSE6001	231525
AGRI	
51750	111649
130652	110536

OE No.	HC-CARGO
AIM	
AB-00248R	112194
SB-00158R	110210
SB-00332R	111755
SB-00351R	110206
SE-0015R	110462
SJ-0011R	111683
SJ-00208R	110552
SJ-00221R	110412
SJ-00291R	113663
SJ-00295R	113597
SJ-0087R	110412
SL-0061R	110462
SL-0093R	110462
SM-00231R	111300
SM-00258R	110421
SN-0007R	110421
SN-00307R	113696
SN-0043R	110421
SN-0054R	110421
SN-0055R	111683
SN-0087R	111760
SN-0098R	112268
ST-0001R	110421
ST-0020R	110421
SY-0073	110534
SY-0075	110206
ALBA	
2761	171025
2762	171025
ALFA ROMEO	
116760506000	110890
116760506100	110890
AT050600108	110882
ARROW	
29-1105	112260
29-1185	112260
29-1187	110300
29-1345	111713
29-1361	110801
29-1362	110801
29-1363	110801
29-1369	110591
29-1870	113432
31-1043	113142
31-1109	113143
35-1953	113125
35-2052	110462
35-2064	110462
35-2085	110421
35-2314	111683
35-2351	111683
35-2543	111683
36-1014	110462
36-1082	110421
36-1326	111683
AND0237	113856
SBO0155	113726
SBS0009	112242
SBS0028	113539
SBS0029	113853
SBS2606	235627
SFD0145	113728
SND0076	113725
SND0132	113734
SND0234	113736
SND0324	113893
SSE6008	231526
AUDI ↳ VOLKSWAGEN	
AVF (DELCO - H/MOGURT)	
808002	110206
001/004	110210
001/109	110210

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001/504	110210
001/506	110210
001/507	110210
001/508	110210
001/605	110210
001/609	110210
001/702	110210
001/706	110210
001/803	110210
001/806	110210
001/809	110210
001/810	110210
001/811	110210
001/903	110210
001/905	110210
001/911	110210
002/009	110206
002/010	110206
002/103	110206
002/105	110206
002/206	110206
002/306	110206
002/508	110206
002/509	110206
002/511	110206
002/601	110206
002/608	110206
002/611	110206
002/702	110206
002/703	110208
002/704	110206
002/801	110206
002/802	110206
002/803	110206
002/806	110206
002/808	110206
002/809	110206
002/901	110206
002/902	110210
002/903	110206
002/904	110206
002/906	110206
002/907	110206
002/909	110206
002/911	110206
012/810	110537
IM1	110512
IM1/1	110512
IM131	110601
IM16	110207
IM16/1	110601
IM17/1	110512
IM18	110511
IM21-5/24	110601
IM310	110206
IM316	110213
IM320	110512
IM321	110601
IM324	110534
IM325	110208
IM326	110207
IM34	110537
IM34/1	110537
IM34/3	110537
IM340	110531
IM341	110531
IM35	111217
IM35/1	111217
IM350	110208
IM360	110210
IM362	110213
IM4/1	110512
IM40	110550
IM40/1	110550
IM401	110537
IM403	111217
IM412	110537
IM414	110539
IM502	110206

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OE No.	HC-CARGO
IM505	110207
IM508	110208
IM509	110208
IM510	110210
IM513	110601
IM517	111249
IM521	110208
IM522	110512
IM523	110206
IM524	110512
IM527	111249
IM530	110534
IM540	110531
IM547	110512
IM554	110512
IM559	113850
IM601	110210
IM605	110213
IM617	110531
IM636	110531
IM801	110210
BMW	
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12411713898	112172
12411720636	112172
12411720663	112172
12411720664	112172
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12411740375	111911
12411740379	111911
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12417501738	111911
12417515390	111911
12417515391	111911
12417515392	111911
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61661368569	160197
61661368585	160197
61661368589	160197
61661380066	160680
BOBCAT	
7169477	114388
BOMAG	
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05710990	110536
05710993	111217
05719897	110536
05741435	114263
BOSCH	
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0001107033	111015
0001107062	111015
0001107078	110552
0001107085	111015
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0001107443	111911
0001108108	111911
0001108129	111015
0001108157	111911
0001108181	111300
0001108190	111911
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0001108231	111911
0001108401	111911
0001108442	111911
0001109009	112172
0001109012	113268
0001109029	112034
0001109330	113900
0001109331	113900
0001109357	114055
0001109370	111855
0001110028	112172
0001110033	112034
0001110041	112172
0001110042	112172
0001115035	112172
0001115042	112034
0001214002	112034
0001218011	110844
0001218122	110844
0001218172	111855
0001218176	114055
0001218772	111855
0001218776	114055
0001223002	111855
0001223502	113478
0001223503	110813
0001223504	110813
0001230002	112442
0001230003	113478
0001230005	113478
0001230006	112071
0001230007	113182
0001230008	114195
0001230009	110522
0001230010	113182
0001230012	111001
0001230013	114320
0001230014	112071
0001230014	112555
0001230018	114195
0001230020	114021
0001230021	114002
0001230022	114050
0001230023	113182
0001231018	114220
0001231026	114196
0001231027	114196
0001260025	113570
0001262002	112071
0001262022	114002
0001263020	114196
0001307035	113268
0001311023	110868
0001311024	110868
0001311033	110868
0001311034	110868
0001311037	110868
0001311046	110868
0001311049	110868
0001311101	110868
0001311109	110868
0001311120	110868
0001314001	112172
0001314016	113268
0001354010	110530
0001354012	112039
0001354014	110530
0001354031	112249
0001354073	111752
0001354074	112135
0001354080	111752
0001354090	110530
0001354091	112039
0001354095	112249
0001358003	110530
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0001359016	111755
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0001359038	111001
0001359043	110525
0001359044	113482
0001359045	112660
0001359046	110536
0001359047	110545
0001359048	110551
0001359049	110536
0001359053	110551
0001359056	111001
0001359069	112660
0001359072	111332
0001359073	110536
0001359074	111752
0001359075	112135
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0001359089	113482
0001359090	111755
0001359091	110640
0001359094	113269
0001359099	110551
0001359102	110529
0001359107	111791
0001359108	110530
0001359113	111001
0001359116	111573
0001359122	110522
0001359124	110545
0001359126	110460
0001359127	110520
0001360003	110523
0001360007	110520
0001360012	110523
0001360014	110523
0001360015	110521
0001360023	112132
0001360027	110520
0001360030	110523
0001360035	110523
0001360036	112132
0001360043	110521
0001360063	110518
0001362003	110775
0001362004	110775
0001362008	110439
0001362009	110530
0001362016	110536
0001362017	112039
0001362018	112039
0001362022	110530
0001362023	111001
0001362025	111332
0001362027	110775
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0001368019	110521
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0001368021	110520
0001368030	112132
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0001401052	111217
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0001401066	110537
0001401068	111217
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0001402011	111249
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0120489542	110912
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0120489948	111168
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0123320010	112529
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0123320061	112529
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0123335003	112529
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0123510002	112194
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0123510074	112196
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0123515500	113949
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0123540003	112194
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0330001040	081166
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0330001043	080994
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0330106018	081000
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0332014125	160265
0332014150	160265
0332014151	160265
0332014203	160266
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0332015001	160168
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0332017100	160365
0332017103	160363

O.E.M names and numbers are used for reference purposes only

BOSCH ***continued***

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0332207104	160366
0332207202	160368
0332207307	160919
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0986014910	110207
0986015040	112660
0986015420	112041
0986015680	110347
0986015680	111000
0986016520	110210
0986016550	112555
0986017110	111911
0986017280	111752
0986017290	112135
0986017310	112039
0986017430	111855
0986017510	112074
0986018070	112034
0986018110	112171
0986018151	110615
0986018161	110819
0986018290	111855
0986018980	113182
0986019000	110206
0986019003	110206
0986019020	112071
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0986020181	110461
0986022680	111346
0986022750	110462
0986023190	110565
0986023440	110439
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0986023510	110443
0986023700	111103
0986023710	111021
0986023820	110442
0986023990	112442
0986030110	111649
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0986030120	110899
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0986030170	112098
0986030290	110766
0986030340	112098
0986030610	110360
0986030618	110360
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0986030740	110360
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0986030760	111289
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0986030760	113474
0986030768	110770
0986030768	111289
0986030768	111362
0986030770	111289
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0986030778	111184
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0986030908	110972
0986030908	111168
0986030918	111168
0986030920	110972
0986030928	110972
0986030928	111168
0986030938	111168
0986030948	111035
0986030970	110890
0986030971	110890
0986030971	111686
0986030980	110890
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0986030981	110912
0986031058	110178
0986031058	111289
0986031100	110360
0986031108	110360
0986031178	110969
0986031190	113477
0986031250	110043
0986031251	110043
0986031260	110766
0986031270	112098
0986031290	111141
0986031300	111141
0986031320	110117
0986031330	112736
0986031340	112097
0986031350	111289
0986031358	111289
0986031380	111289
0986031388	110968
0986031388	111185
0986031388	111289
0986031410	110611
0986031411	112768
0986031440	110875
0986031450	110761
0986031453	110761
0986031470	110360
0986031478	110360
0986031508	110975
0986031691	110178
0986031701	110178
0986031830	110975
0986032100	110611
0986032120	110890
0986032301	111289
0986032710	112742
0986032770	110975
0986032930	110881
0986032940	110881
0986033070	113469
0986033090	113611
0986033220	111289
0986033228	111289
0986033230	110890
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0986033248	111289
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0986033251	111035
0986033310	111289
0986033318	111289
0986033320	110105
0986033330	110766
0986033510	110761
0986033540	110766
0986033840	111528
0986033840	113477
0986033841	113477
0986033880	110882
0986033881	110882
0986033890	110890
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0986033891	110882
0986033891	110912
0986033891	112768
0986033940	110770
0986033940	111289
0986033940	113574
0986034188	110107
0986034188	111948
0986034200	111289
0986034260	111141
0986034420	111419
0986034430	112747
0986034490	110882
0986034668	110972
0986034940	113611
0986035131	110969
0986035630	111686
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0986035760	110882
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0986036010	111362
0986036020	110770
0986036020	111289
0986036020	111362
0986036060	110770
0986036060	111289
0986036060	111356
0986036063	111356
0986036110	111289
0986036198	110770
0986036230	112768
0986036641	110620
0986036750	111620
0986036750	111686
0986036800	111215
0986036800	113632
0986036820	112529
0986036930	110360
0986037120	111620
0986037121	111620
0986037140	111620
0986037150	111620
0986037150	111686

O.E.M names and numbers are used for reference purposes only

OE No.	HC-CARGO
0986037271	111048
0986037340	112194
0986037380	112194
0986037450	110105
0986037450	113632
0986037890	110881
0986037970	112194
0986037990	112194
0986038050	112098
0986038160	111369
0986038170	111369
0986038170	112529
0986038176	112529
0986038290	111833
0986038351	112113
0986038940	111369
0986039711	110968
0986039740	111369
0986039740	112529
0986039743	111369
0986039800	112098
0986039810	113531
0986039820	111978
0986040280	111843
0986040290	111888
0986041040	112529
0986041060	112196
0986041610	111168
0986041640	111833
0986041840	112046
0986041940	112097
0986043130	112196
0986044571	112238
0986044581	110178
0986044581	111185
0986044591	110770
0986044591	111355
0986044601	110179
0986046000	112529
0986046030	112062
0986047210	113949
0986080200	110483
0986081030	112160
1020484017	113531
1305320816	170620
1305320818	170621
1315601902	171237
3334485007	190767
3334485008	190766
3337213001	080177
9000083028	110525
9000083054	110525
9000084018	110208
9000143400	110439
9004475035	110615
9004475058	110565
9004475061	111346
9004475300	111103
9007044002	110525
9007044014	110462
9120060041	111843
9120060042	113531
9120080056	110360
9120080089	110360
9120080120	110360
9120080139	110360
9120144105	110043
9120144111	110043
9120144114	110043
9120144118	110043
9120144119	110043
9120144201	110912
9120144202	110912
9120144238	110912
9120144239	110912
9120215028	235781
9120331502	110178
9120331854	111289
9120331864	111289
9120331872	111289
9120331881	110890
9120331901	110178
9120331913	110178
9120690170	110497
9123369044	111369
9124476014	113474
9187451002	160734
9190082001	235783
9190083000	235783
9190215028	235781
26025155A	110536
6004AA3014	113900
6033G2019B	111843
6033GB2009	111978
6033GB3045	113895
BNG4/12CR215	110537
BNG4/12CR222	111217
BNG4/12CR247	110537
BNG4/24	110512
BNG4/24CR165BR	111249
BNG4/24CR165SR	110601
BNG4/24CR231	110512
BNG4/24CRS162	110208
BNG4/24CRS163	110512
BNG4/24CRS165BR	111249
BNG4/24CRS165SR	110601
EJD3/12BR3	110530
EJD3/12BR4	111791
F000AL0115	113900
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F005A00024	111843
F005A00025	113531
F026T02200	235781
F026T02201	235782
F026T02202	235783
F026T02203	235784
F026T02204	235785
F026T02205	235786
BRIGGS & STRATTON	
3886	139418
4114	139395
234466	234466
280104	139395
391135	234211
391178	111804
391461	137278
393017	110635
393254	139417
393374	230149
394674	110635
394807	111804
394808	110635
394890	230149
396306	111804
396865	139418
397809	234171
398003	234211
399928	112242
435307	110635
490421	139418
490467	139417
490771	139418
491546	234170
491836	230399
493219	234167
495100	112242
495877	139417
495878	139418
497596	110635
497606	230400
498148	112242
691185	234171
691188	234170
691564	113539
692024	234211
693059	139395
693469	113539
693551	113853
693713	235627
696539	139417
696540	139418
808106	113539
BUTEC	
110207	110207
851078	111000
851122	111000
851339	111000
851606	110643
854494	110643
855689	111000
857468	110210
857470	110206
857592	110643
857594	110643
857601	111296
857606	110643
857623	111296
857645	111296
858442	111000
858444	111000
858506	111000
858619	111296
858762	111574
858776	111355
858787	110968
858885	110077
858979	111000
859385	110643
859539	110523
859542	110518
859673	110643
859883	110442
860104	110517
860109	110525
860121	110208
860130	110525
860132	110210
860150	110077
860334	111000
860504	110208
860506	110210
860508	110206
860568	112493
870644	110449
870646	111024
858772Z	110043
A3024/13	110643
A3024/30	110643
A3024/33	110643
A302413	110643
A4024/15	110643
A5524/39	111296
A5524/49	111296
LNA4024/0	110643
LNA4024/8	110643
LNS2810	111041
LNS4524/20	110518
MS1/401A	111000
MS1/411AZ	111000
MS1-101	111000
MS1-103	111000
MS1-124	111000
MS1-401	111000
MS1-401A	111000
MS1-401C	111000
MS1-403A	111000
MS1A/20	111000
MS1A/25	111000
CASE	
2852405	114196
86982709	113725
114799A1	111885
125849A1R	112773
1273112C91	110933
1987559C1	113725
202360T91	112773
202386T91	110436
3218239EX	110641
3218544EX	112098
3218577EX	111662
3218884EX	110766
3228193EX	111752
3229193EX	111752
529965R92	112660
91448C2	112773
957340EX	110818
A130672Z	111713
A169694	112169
A170746	113725
A186180	112135
A187597	111885
A187623	111843
A187728	113429
A187873	111888
A231295A1	111355
A49652	110300
C26525	234072
C33024	234072
K308650	110462
K957340	110818
K957340EX	110818
L72955	110300
M41595	110766
PO9415420	112170
R39341	110627
CATERPILLAR	
25900	110999
86385	110075
0R1522	112260
0R1903	114280
0R2186	110999
0R2187	111000
0R2189	110436
0R2190	111000
0R2415	110591
0R2698	110801
0R2735	113695
0R4259	111000
0R4263	113695
0R5202	112260
0R5207	110999
0R5208	110436
0R5209	111000
0R5213	110347
0R5217	110801
0R5218	110436
0R5270	110999
0R5347	112089
0R8279	112160
104-7040	113695
105-2811	114218
105-2812	114218
107-7977	112160
132-2156	112160
147-7166	114280
1L8174	111000
207-1564	111000
225-3141	113763
225-3149	114388
2N3538	110436
2P1204	110427
2P1698	110427
2P2501	110999
2P5113	110427
2S0900	110999
2S900	110999
2S945	110075
3E1864	111224
3E7285	111888
3E7863	112089
3L8205	110347
3N2702	110801

O.E.M names and numbers are used for reference purposes only

OE No.	HC-CARGO
CATERPILLAR *continued*	
3N2706	110801
3P0006	110999
3P0007	110999
3P0110	110999
3P3006	110999
3P3007	110999
3R7356	110999
3T2579	110999
3T2646	111000
3T2647	110999
3T2649	111000
3T2650	111000
3T2652	110999
3T2654	111000
3T2655	110436
3T2657	110436
3T2659	110436
3T2660	110999
3T2772	110999
3T2780	110347
3T2785	110347
3T2787	110347
3T2879	112089
3T3152	111000
3T3153	111000
3T3154	112089
3T3778	110347
3T4581	110999
3T4582	110999
3T4584	110999
3T4586	110999
3T6305	110999
3T6352	110801
3T7070	112260
3T8947	110347
3T8949	110347
3T8954	110347
3T8967	110347
3Y6691	110801
3Y8200	110801
3Y8852	110999
4L9547	112089
4N0956	112089
4N0957	111000
4N0959	110347
4N3181	110999
4N3182	110999
4N3343	110347
4N3347	110999
4N3348	110999
4N3349	110347
4N3350	110999
4N7901	110999
4N8118	111000
4N956	112089
4N957	111000
5A6494	110999
5A6495	110999
5A6522	110999
5A8908	110801
5L2537	111000
5L2637	111000
5L3648	110347
5L4160	112089
5L4168	112089
5L4169	112089
5L4405	110347
5L5353	110347
5L537	111000
5L5667	112089
5L5867	112089
5L637	111000
5L648	110347
5LG48	110347
5N5692	110801
5R3155	110999
5R3857	110999
5Z1083	110591
6N1889	111000
6N3122	111000
6N3160	111000
6N5217	110801
6N5468	110427
6N9249	110801
6N9294	110801
6N9667	110347
6N9677	110347
6T0640	110347
6T0647	110347
6V0890	110347
7G7889	112989
7L8797	111000
7N0923	111224
7N6503	110436
7N9720	110801
7S5897	110427
7T0794	111000
7T0798	110999
7T0799	110999
7T0800	111000
7T0801	111000
7T0806	111000
7T1081	110436
7T1082	110999
7T1799	110999
7T2265	110436
7T9254	110436
8C356	110436
8C3592	112089
8C3593	112089
8C3596	110436
8C3597	110999
8C3644	111000
8C3645	111000
8C3647	110999
8C3648	110436
8C3649	111000
8C3650	110999
8C3651	110999
8C5580	110436
8H1813	111000
8L5881	110436
8L8205	110347
8L8206	112089
8N0999	110591
8N2145	110999
9G4337	110999
9G4339	110999
9G5584	111000
9G5585	111000
9G6078	110325
9G6941	111224
9G8255	110801
9G9538	110591
9L2507	112243
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9L5938	112260
9L6200	112089
9L6463	112260
9L6464	110347
9L6484	110347
9L6691	111000
9M1662	110999
9N0435	111000
9N0453	111000
9N0716	112089
9N0721	112089
9N716	112089
9S4070	110427
9S4870	110427
9W0058	110436
9X0341	111843
OR4263	113695
OR9938	114271
PX0341	111843
SL8206	112089
CAV	
1268030	111810
1277670	111833
1320015	110449
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1403000	110206
2311040	110347
2998000	110525
2998007	110531
2998008	110207
2998010	110210
2998011	110206
2998056	110043
2998150	111000
2998200	110529
2998201	110518
2998230	112097
1320F022	110449
1320F027	110449
1320F028	110449
1320F513	110449
1320F515	110449
1320F720	111024
1320F810	110449
1320G027	110449
1320G028	110449
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1327A010	110449
1327A011	110449
1327A090	111024
1327A091	111024
1327A570	111798
1327A571	111798
1327A600	110207
1327A601	110207
7167-620A	080595
7167-620B	080207
7167-620C	080212
7167-620D	080212
7180-49A	080211
7180-49B	080211
7180-49C	080210
7180-49D	080210
7185-900G	080995
7185-900H	080996
7185-900K	080211
7185-900P	080210
7185-900T	080212
7185-900W	080595
9009-041	080207
9009-049	080207
9009-050	080208
9009-073	080207
9100-328D	081118
9100-827F	081121
9100-898B	081120
9108-073A	080998
9108-147C	080942
9108-152A	081117
9108-153A	080941
9108-154B	080940
9109-262	080929
9145-040D	080209
9185-900G	080995
9185-900H	080996
CA4512-2	110449
CA4512-51	110449
CA4512-51A	110449
CA4512-72	111024
CA45-12Y72	111024
CA45D12-2	110449
CA45D12-2M	110449
CA45D12-51	110449
CA45D12-72	111024
CA45D12-Y51	110449
CA45F12-2	110449
CA45F12-51	110449
CA45F12-51A	110449
CA45F12-72	111024
CA45F12-Y2	110449
CA45F12-Y51	110449
CA45F12-Y72	111024
CA45F12-Y81	110449
CA45G12-2	110449
CA45G12-2M	110449
CA45G12-51	110449
CA45G12-51A	110449
CA45G12-72	111024
CA45H12-2	110449
CA45H12-72	111024
HPS102	080595
HPS103	080212
HPS105	080998
S11424-18	111798
S11512-2	111024
S11524-18	111798
S115A12-1	110449
S115A12-12	111024
S115A12-2	111024
S115A24-18	111798
S115A24-21	110207
S115HD24-1	110206
Z1320F515	110449
Z1320F720	111024
CITROËN ↳ PEUGEOT	
CLAAS	
1053560	110525
1322450	110537
1326150	110537
6853810	110525
7901820	111649
CUMMINS	
111640	110801
157579	110436
185617	110436
195827	112089
195828	112089
195829	112089
195830	112089
195833	112089
195834	112089
195835	112089
197125	110436
213298	112260
213299	112260
214169	110300
214318	110591
554560	110436
3016627	110801
3016628	112989
3021036	111000
3021038	110347
3043010	112243
3078116	110591
3251135	112160
3279496	110436
3282554	111843
3283812	111885
3283813	113429

O.E.M names and numbers are used for reference purposes only

OE No.	HC-CARGO
3284392	112170
3604654	113452
3610942	112089
3675245	113429
3904466	113725
3907622	110436
3908594	112169
3910644	112243
3910645	110436
3910646	110999
3918376	113452
3918377	111760
3920328	113429
3920403	113725
3920617	112160
3920618	112160
3920643	113725
3920678	112170
3920679	111888
3921012	113429
3923550	110801
3923624	112493
3926932	111760
3926960	113725
3935530	112160
3964428	113725
87419387	113429
3010125RX	110347
3016627RX	110801
3603851RX	112260
3603853RX	110300
3603862RX	111000
3603863RX	112089
3603864RX	110436
3603868RX	112089
3603888RX	110347
3604225RX	110591
3604233RX	110999
3604321RX	111000
3604323RX	110436
3604473RX	112989
3604475RX	110505
3604476RX	110952
3604484RX	110999
3604485NW	113725
3604485RX	113725
3604660NW	113725
3604676RX	110801
3604784RX	110999
3675154NW	113725
3675154RX	113725
367520RX	111760
3675242RX	112160
DAEWOO	
25026005	113457
25026006	113458
65.26201-7039	111683
65.26201-7059	111683
DAF	
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4174626	110611
4187587	110521
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4220539	112097
4223787	112097
4224325	110899
4231016	110521
4231018	110521
4232191	110521
4242498	110611
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TGE422L	160671
V450DT	113381

FIAT ALLIS

OE No.	HC-CARGO
73113742	110801
73119134	110801

FORD

OE No.	HC-CARGO
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1438288	110868
1504563	110178
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1553523	111289
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89821291	112074
702000150	110462
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O.E.M names and numbers are used for reference purposes only

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9006	170694
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IA0306	112768
IA0326	110912

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IA0531	110968
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O.E.M names and numbers are used for reference purposes only

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1341	170336
1341	170770
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1351	170337
1352	170453
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1365	170816
1375	170585
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1383	171089
1385	170673
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1392	170507
1392	171088
1393	170849
1393	171090
1401	170340
1401	170773
1402	170413
1402	170794
1406	170455
1406	171118
1410	171480
1411	170339
1411	170772
1412	170351
1412	170793
1415	170584
1416	170454
1416	171076
1417	170938
1431	170593
1432	170482
1432	171102
1500	171492
1501	170346
1501	170774
1502	170417
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1506	170503
1510	171491

OE No.	HC-CARGO
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1511	170345
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1512	170416
1512	170796
1521	170594
1522	170474
1531	170580
1540	171482
1550	171483
1551	170448
1551	171119
1552	170456
1601	170410
1601	170775
1602	170477
1602	171108
1603	170617
1605	171283
1606	171386
1607	170813
1608	170758
1609	170755
1611	170331
1611	171104
1612	170476
1612	171106
1621	170347
1621	171105
1622	170542
1622	171107
1624	170754
1631	170777
1632	170776
1633	171398
1641	170727
1641	171109
1645	170756
1645	171110
1646	171033
1651	170545
1655	170610
1661	170357
1662	170358
1671	170612
1682	170613
1692	170757
1692	171111
1695	170753
1695	171112
1696	170698
1699	171025
1700	171485
1701	170590
1705	170591
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1711	170341
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1715	171095
1720	171488
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1722	170415
1722	171099
1730	171489
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1731	171098
1732	171100
1735	170005
1740	171486
1741	170342
1742	170592
1750	171479
1751	170588
1752	170589
1761	171139
1836	170470
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1849	170502
1855	170839
1896	170741
1896	171082
1897	170742
1898	170751
1899	170752
1920	171042
1921	171043
1932	171044
1950	171040
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7234	171531
11101	170802
11111	170823
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20238	170726
24338	170509
27225	170725
37755	170664
1104LL	170657
1104LL	171113
1318LL	170658
1338LL	170659
1408LL	170660
1418LL	170663
1601-AMBER	170782
1601-GREEN	170783
1601-RED	170785
1611-AMBER	170778
1611-BLUE	170780
1611-GREEN	170779
1611-RED	170781
1612-AMBER	170805
1612-BLUE	170807
1612-GREEN	170806
1612-RED	170808
1628LL	170662
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320-09035	114264
320-09346	114264
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714-35900	111254
714-40005	111346
714-40152	113763
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714-40231	114388
714-40536	114388
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A18763	111843
AE52707	113531
AE53101	113531
AH137883	111843
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AL110504	111755
AL111675	112529
AL111676	112062
AL114092	112529
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AL11503	111755
AL119537	113949
AL166646	112062
AL166647	114379
AL170947	113707
AL28516	110105
AL35998	110105
AL3846201	112046
AL41247	111755
AL60033	113632
AL62401	111649
AL62690	111755
AL62691	111755
AL62772	111755
AL62773	111755
AL67175	110105
AL67176	110105
AL78689	113531
AL78690	111215
AL78692	113531
AL78760	111755
AL81154	112442
AL81436	110105
AL81437	113632
AL81438	113531
AM100807	111087
AM100809	111087
AM103290	234070
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AM107631	112546
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AM109408	113597
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AM120729	113017
AM124993	112546
AM131296	112546
AM132702	112546
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AM31568	110510
AM32092	112564
AM32393	113015
AM32789	110510
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AM3424B	110510
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AM37869	110510
AM38984	110635
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AM809215	114197
AM877740	110620
AM878581	113401
AM879204	114197
AM879909	113742
AM880733	113401
AMJ7869	110510
AN193461	110445
AR62401	111649
AR70436	111755
AR70437	111755
AR77254	111224
AR87204	110445
AR87205	110445
AR93447	110445
AR93448	110445
AT161324	112170
AT173624	111888
AT185951	113531
AT220394	111843
AT229394	111843
AT23401	111755
AT78689	113531
AW26844	113734
AZ23575	111649
AZ26910	110105
AZ28516	110105
AZ31316	113632
AZ38462	111215
DAW26844	113734
FGV35532054	114055
LG497596	110635
LVA12357	113742
M143512	113539
RE13722	111224
RE185213	113899
RE204426	112529
RE218703	113899
RE36246	111215
RE36267	111843
RE36268	112773
RE37201	111215
RE41875	111224
RE42123	111215
RE44140	111215
RE46608	111830
RE500733	111755
RE501002	111755
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RE501347	113478
RE501551	114195
RE501634	113543
RE501680	113478
RE501689	113478
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RE502156	113478
RE502196	113478
RE503226	112442
RE504807	112442
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RE505746	113478
RE506196	113543
RE506197	113542
RE507943	114195
RE508922	113900
RE509658	111221
RE516157	113478
RE516455	113478
RE51725	113007
RE51921	111215
RE519975	113478
RE52120	113007
RE52150	113007
RE522738	113007
RE57960	113543
RE60384	111755
RE60641	113478
RE684701	113478
RE69704	113736
RE70474	113983
RE70957	113736
RE70960	113983
RES533653	111843
SE501844	113900
SE501854	113478
SES502627	111843
TY24303	113007
TY24441	113983
TY24486	113531
TY25238	114197
TY25243	113742
TY6621	110445
TY6669	110105
TY6684	111215
TY6720	111755
TY6762	111830
TY6773	112773
TY6774	112170
TY6777	113531
TY6778	111215
TY6793	113531
TY6795	112773
KATEK	
CT222A	113431
ST222A	113431
KAWASAKI	
21163-2073	113596
21163-2089	113734
21163-2101	113597
21163-2114	113663
21163-2118	113663

O.E.M names and numbers are used for reference purposes only

OE No.	HC-CARGO
KHD	
1161384	110536
1161422	110523
01162135	110117
1162135	110766
1163669	110536
1163758	113467
1163985	110641
1164049	110766
1164668	110536
1164994	110536
1164995	110536
1170051	110536
1170731	110766
1170739	110537
1171617	110641
1171681	110766
1172650	110766
1172857	112736
1173240	110536
1173241	110523
1174166	110536
1174253	112747
1174631	110512
01174635	114437
1175731	110881
1175886	110536
1177063	112046
1177441	112041
1177481	110641
01178026	110536
1178026	110536
1178521	110881
1178607	112046
1178670	112041
1178689	110766
1179318	112555
1179470	112041
01179755	112183
1179755	112183
1179897	112183
1180180	111855
1180302	112747
1180660	112183
1180804	110523
1180805	112555
1180928	112071
1180995	111855
1181096	113895
1181570	114320
1181753	114220
1181976	112071
1182027	113949
1182126	114220
1182151	110881
1182167	113738
01182179	114320
1182179	114320
01182388	114320
1182388	114320
1182390	114220
01182544	114192
01182691	113949
01182961	112046
01183235	112071
01183455	112046
1304445	111217
2404401	110766
2918662	110537
02934613	111855
2934613	111855
3362189	110766
4757192	111419
12153836	114478
12270187	111978
12270612	111978
98417208	112097
01180928KZ	112071
01180995KZ	111855
01181570KZ	114320
01182233KZ	112071
1180928KZ	112071
1182233KZ	112071
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B4R12X3H7622	110536
KIA	
OK6S818400	110818
KOHLER	
1209821	112150
2509804	113017
2509807	113017
2509809	112546
4109806	111012
4509809	110510
4809804	111701
5209811	112568
5209812	110949
5209813	112831
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12-098-05	112150
12-098-06	112150
12-098-09	112150
12-098-10	113017
12-098-12	112150
12-098-21	112150
24-098-01	112546
25-098-03	113017
25-098-04	113017
25-098-05	113017
25-098-06	113017
25-098-07	113017
25-098-08	112546
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25-098-11	112546
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32-098-04	114075
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41-098-05	111701
41-098-06	111012
45-098-02	110510
45-098-03	110510
45-098-04	111701
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45-098-12	110949
45-099-07	110510
48-098-01	111701
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52-098-13	112831
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A237131	110510
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A237534	110510
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A277599	111701
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160-976-1361	110421
600-821-2350	111048
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15213-63013	110421
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15231-63012	110421
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15231-63014	110421
15231-63015	110421
15231-63016	110421
15321-63015	110245
15321-63016	110245
15321-63017	110245
15425-63010	111197
15425-63011	111197
15425-63012	111197
15425-63013	111197
15425-63014	111197
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15741-63011	110447
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15881-64201	111048
15881-64202	111048
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16231-24011	113921
16231-64010	113921
16231-64011	113921
16231-64012	111048
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16241-64011	113921
16241-64012	113921
16285-63011	111622
16611-63011	111021
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16611-63013	111021
16612-63011	110447
16612-63012	110447
16616-60011	090216
16652-63012	111197
16652-63013	111197
16661-63013	110356
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16678-64012	113856
16695-63011	110447
16695-63012	110447
16695-63013	110447
16705-64011	111048
16705-64012	111048
16853-63011	114485
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16871-63011	110447
16871-63012	110447
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16945-64012	113921
16945-64013	113921
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17331-63010	110245
17331-63011	110245
17331-63012	110245
17381-63012	110940
17381-63014	110940
17381-63015	110940
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17490-64012	114263
17490-64014	114263
17490-64015	114263
17525-64011	113401
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19007-63011	110421
19013-63011	110940
19013-63012	110940
19212-63011	110246
19212-63012	110246
19215-63011	110246
19215-63012	110246
19269-19010	111021
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19269-63011	111021
19269-63012	111021
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19616-63011	110356
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19630-64013	113856
19637-63013	110421
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19837-63011	110421
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19837-63013	110421
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34070-16801	113893
34070-16803	113893
34070-75600	113921
34070-75601	113921
34070-75602	113921
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37560-63011	110447
37560-63012	110447
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70000-73490	110940
70000-76500	110421
E7194-63010	112546
E7199-63010	110421
E7230-64012	114219
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K3511-81411	114485
K3511-81412	114485
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7421311000	110766
LETRIKA ↦ ISKRA	
LADA	
2406-3708000	111350
2407-3708000	111350
LEECE-NEVILLE	
35259580	111221
2303JB	110801
2800J	113740
2800JB	113740
A0012303JB	110801
A0012800JB	113740

O.E.M names and numbers are used for reference purposes only

LESTER

OE No.	HC-CARGO
3052	110999
3054	110999
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3063	111000
3074	111000
3098	112089
3109	113728
3295	110347
3339	110436
3353	111224
3367	111224
3368	111224
3370	110999
3374	110436
3601	113611
3744	112089
3745	111000
3757	111000
3760	112089
3767	112089
3785	110999
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3824	111000
3902	110347
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3955	110999
3958	112089
3962	112089
3972	111224
3974	112089
3978	112089
3980	112089
3987	110436
3991	111224
3999	110436
4000	111221
4150	111260
4167	110469
4233	110491
4234	110468
4246	110468
4254	110469
4275	112660
4276	112268
4389	111041
4392	112268
4455	111259
4600	110347
4611	112089
4635	112089
4746	110999
4791	111000
4894	112243
4927	110347
4960	111221
4987	110999
4997	112243
5092	112249
5320	111000
5701	113015
5743	110635
5744	112242
5745	111804
5751	112313
5752	112564
5755	110510
5756	111012
5757	110949
5761	110510
5766	111701
5771	112150
5774	112831
5775	113017
5776	113539
5777	113853
5801	114075
5915	112568
6148	110469
6166	112268
6167	111041
6188	112243
6203	112089
6207	110999
6208	111000
6224	110436
6229	112089
6230	111000
6232	110999
6241	112243
6243	112089
6245	110347
6246	110436
6252	110436
6253	110436
6254	110436
6260	111000
6269	112169
6287	113695
6292	112243
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6352	112089
6354	112243
6356	112089
6358	112243
6359	112243
6360	110999
6361	110999
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6371	110436
6372	110436
6378	110999
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6387	111224
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6405	113695
6410	111224
6434	112256
6458	112256
6459	112169
6466	112256
6467	112256
6508	111000
6511	112089
6513	112089
6519	110604
6525	110436
6526	110999
6528	112089
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6551	112089
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6557	110999
6570	111221
6572	112268
6574	111760
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6588	112268
6589	113452
6592	111760
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6618	110436
6636	110436
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6686	110436
6687	110436
6688	110436
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6728	111259
6737	111760
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6764	110347
6779	110999
6780	110999
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7117	110075
7122	110075
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7150	110508
7160	110591
7161	110300
7176	110952
7179	110952
7195	110505
7197	110300
7252	110591
7266	112989
7296	110801
7305	110427
7331	110427
7374	110170
7467	110801
7471	111736
7613	113740
7642	112160
7644	113432
7681	112996
7843	112260
7853	111713
8003	112160
8029	112996
8030	112992
8062	110591
8826	113683
9007	110505
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9188	113598
9446	110505
9913	110505
9928	110505
12029	110899
12030	111180
12031	110766
12038	111948
12040	111289
12041	111185
12043	110107
12045	110968
12046	110770
12047	111740
12048	111686
12059	110801
12066	111215
12073	111184
12074	110770
12077	113562
12080	110620
12088	111355
12089	111363
12090	111739
12091	111740
12092	113623
12093	113623
12094	112718
12096	112722
12100	111940
12101	111716
12102	111940
12103	111948
12110	113477
12114	110448
12122	111948
12130	113543
12132	111042
12134	112097
12135	111419
12140	111168
12144	111289
12145	111843
12146	111888
12147	112170
12148	112170
12149	112493
12151	113632
12159	111843
12161	111888
12162	112773
12165	110801
12169	112046
12170	110639
12179	113921
12180	110620
12188	110620
12189	111048
12190	113921
12195	111830
12197	111048
12198	111048
12199	111048
12199	113921
12217	110766
12218	110766
12270	111048
12271	111048
12281	112768
12286	110179
12294	112747
12298	110641
12306	111355
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14057	110912

O.E.M names and numbers are used for reference purposes only

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NDB101	110483
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943321017	111620
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943321044	110882
943321084	111620
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943356353	110890
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063216827010	110529
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943252071010	110536
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MT68MA	110529
MT68MB	110529
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MT68PB	110530
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MT68T	110536
MT68AA	110529
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MT71AC	110813
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MT71AA	110813
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063216741	110518
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063216896	110522
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063217121	113381
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063217126	110813
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063227470	110439
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063227486	110443
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063227502	111737
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063227553	112136
063227554	110615
063227559	110460
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063227569	110462
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063296842	112135
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063320023	110890
063320025	112097
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063320049	112097
063320060	112097
063321011	110890
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063321019	111686
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063321021	110890
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063321191	110912
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063324157	110770
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063324199	111289
063324199	111362

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063324245	111355
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063324400	112722
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063340003	113763
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943216731	110521
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943216818	110536
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943216852	111001
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943226348	110615
943226357	110615
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943227520	110615
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943227572	110615
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943251445	110530
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943252045	110537
943252046	110512
943252071	110536
943252122	110775
943252129	110512
943252132	110537
943252187	110210
943252188	110531
943252189	110534
943252190	110208
943252194	110206
943252194	110210
943252198	110207
943252204	110536
943252205	110523
943252206	110525

O.E.M names and numbers are used for reference purposes only

MAGNETI MARELLI *continued*

OE No.	HC-CARGO
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943252210	110206
943252210	110208
943252212	110512
943252216	113467
943252217	110536
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943252276	111332
943252281	112249
943252282	111332
943252294	110210
943252294	113269
943252295	111755
943252298	112135
943252299	112555
943300921	110882
943300921	111180
943303100	110611
943304120	112097
943304800	110611
943307805	111686
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943320060	112097
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943321013	110912
943321021	111686
943321042	111686
943321048	112097
943321056	111620
943321062	111620
943321071	110912
943321080	110912
943321096	111620
943321099	111686
943321346	112718
943324273	111739
943324277	111362
943326917	111620
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943356108	110975
943356118	111185
943356118	111289
943356134	110975
943356169	111289
943356188	111528
943356188	113477
943356223	111662
943356230	112742
943356232	113469
943356233	113611
943356236	113611
943356245	111289
943356245	113574
943356249	110881
943356315	110178
943356317	110179
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943356445	110360
943356450	112097
943356454	110179
943356454	110969
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943356454	111289
943356473	112098
943356487	112310
943356513	111369
943356514	112529
943356531	111289
943356536	110975
943356610	110875
943356632	111289
943356645	112768
943356657	110972
943356657	111168
943356671	110972
943356671	111168
943356694	111289
943356697	110360
943356703	110077
943356708	111141
943356709	111141
943356712	110971
943356723	110881
943356732	110972
943356732	111168
943356739	110360
943356762	110641
943356766	112046
943356766	112098
943356766	112736
943356783	110105
943356787	110761
943356850	112097
943356865	112098
943356889	110360
943356918	111620
943357557	113477
943357707	110766
943357708	110043
943357716	110761
943357764	110117
943357764	110766
943357765	110766
943357772	110611
943357772	110882
943357772	111419
943357775	112747
943357776	112097
943357800	110881
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054022646010	112238
063216831010	110529
063216884010	110530
063217158010	112039
063227470010	110439
063227487010	110442
063227488010	110439
063227587010	110545
063296842010	112135
063320060010	112097
063321011010	110912
063377460010	113763
063377461010	113763
063377462010	113763
063521070240	112171
063521070620	111015
063521070780	110552
063521074420	111911
063521090120	113268
063521150350	112172
063522187760	114055
063522235040	110813
063522300090	110522
063523620760	112039
063523623050	110536
063523673030	110525
063523680010	110523
063524160020	110206
063524160780	110206
063534881850	110881
063534882060	112170
063534882530	112097
063534890930	111289
063534897070	110766
943252012010	110512
943252045010	110537
943252129010	110512
943252189010	110534
943252204010	110536
943252216010	113467
943252237010	110531
943252244010	110525
943252281010	112249
943252294010	110210
943356230010	112742
943356236010	113611
943356315010	110178
943356380010	110890
943356468010	111141
943356632010	111289
943356645010	112768
943356697010	110360
943356708010	111141
943356766010	112736
943357556010	110043
943357765010	110766
943357775010	112747
944280109500	110461
944280171100	111911
944390309800	110912
944390346600	110972
944390356300	111686
944390367500	111620
944390371400	111620
944390381600	111369
944390381700	112529
944390397400	111369
944390410600	112196
944390511530	110968
MAN154	113623
MAN176	113623
MAN218	113623
MAN261	112097
MAN344	111035
MAN786	112718
MAR473	110360
MSN190	110545
MSN191	110615
MSN206	111752
MSN213	110521
MSN214	110520
MSN215	110521
MSN219	110529
MSN224	110522
MSN227	110813
MSN229	110814
MSN233	110530
MSN237	110517
MSN521	110518
MSN540	110819
MSN614	110530
MSN642	111911
MSN697	110536
MSN8041	113655
MSR218	110536
MSR240	110536
MSR651	110520
MSR680	110512
MSR683	110536
MSR685	110512
MSR697	110536
MSR699	110525
MSR707	110536
MSR733	111755
MSR737	111332
MSR739	112249
MSR746	111755

MAGNETON (PAL/SKODA)

OE No.	HC-CARGO
8515220	110881
9124310	110523
9124320	110517
9124330	110518
9124340	110601
9125010	110210
9125020	110213
9125220	110206
9125240	110207
9125250	110208
9125260	110206
9125290	110601
9125300	111249
9125320	110512
9125330	110206
9125340	110512
9125370	110534
9142320	110521
9142700	111755
9142702	113269
9142722	114254
9142723	110522
9142724	110461
9142726	111855
9142728	110615
9142741	110545
9142745	112442
9142746	110525
9142764	110818
9142765	110462
9142766	112074
9142780	112488
9142801	111332
9142802	110536
9142803	110536
9142805	111752
9142860	110461
9142880	110530
9142900	111855
9142903	114388
9144702	113269
9144722	110545
9144742	110551
9144743	110530
9144744	110529
9144745	110813
9144820	111001
9144821	110530
9144965	110462
9172702	113356
9172780	113356
9174602	110523
9174642	110550
9513031	112098
9513053	111662
9513071	113632
9513160	111843
9513170	113632
9515010	112098
9515040	112238
9515080	111686
9515102	113632
9515112	113552
9515122	113552
9515170	111888
9515180	111843
9515230	112736
9515241	113543
9515310	110641
9515311	110641
9515361	113632
9515734	111289
9515765	113542
9516241	113543
9516650	110621
9516653	110621
9516673	112035
9516693	112098
9516709	111289
9516714	111035
9516716	111168
9516740	111289
9516742	111289
9516760	111168
9516761	111168
9516765	113542
91428729	110464
91455722	110545

OE No.	HC-CARGO
334113516653	110621
443113515241	113543
443113515765	113542
443113516241	113543
443113516650	110621
443113516653	110621
443113516670	112035
443113516673	112035
443113516690	112098
443113516693	112098
443113516700	111362
443113516701	111362
443113516761	111168
443115142702	113269
443115142726	111855
443115142780	112488
443115144420	110545
443115144540	110551
443115144620	110545
443115144640	110551
443115144702	113269
443115144722	114254
443115144723	110522
443115144726	110525
443115144729	110545
443115144742	110551
443115144743	110530
443115174602	110523
443115174622	110520
443115174642	110550
444115144702	113269
446115144702	113269

MAHINDRA

OE No.	HC-CARGO
005558084R91	113670
1233544R91	113670

MAKO

OE No.	HC-CARGO
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63206838	111001
63207138	111284
063117148000	110814
063206834000	111755
063206838000	111001
063207138000	111284
063207143000	110536
063216741000	110518
063216831000	110529
063216831010	110529
063216831020	110529
063216884000	110530
063216986000	110522
063217126000	110813
063296843000	112039
063296847000	110529
063320023000	110890
063320025000	112097
063320049000	111686
063320060000	112097
063321042000	110890
063321154000	111035

MAN

OE No.	HC-CARGO
51.25201-7181	110206
51.25201-9181	110206
51.26101-7085	110766
51.26101-7133	110761
51.26101-7145	111141
51.26101-7172	112747
51.26101-7217	113290
51.26101-7221	112196
51.26101-7237	112529
51.26101-9133	110761
51.26101-9197	110761
51.26201-7001	110512
51.26201-7008	111217
51.26201-7011	110530
51.26201-7012	110537
51.26201-7034	110208
51.26201-7057	110210
51.26201-7061	110210
51.26201-7074	110512
51.26201-7087	110210
51.26201-7092	110206
51.26201-7100	110208
51.26201-7108	110206
51.26201-7110	110210
51.26201-7112	110512
51.26201-7114	110206
51.26201-7123	110210
51.26201-7127	110206
51.26201-7129	110206
51.26201-7137	110206
51.26201-7146	113353
51.26201-7159	110206
51.26201-7181	110206
51.26201-9001	110512
51.26201-9008	111217
51.26201-9034	110208
51.26201-9057	110210
51.26201-9061	110210
51.26201-9074	110512
51.26201-9117	110206
51.26201-9127	110206
51.26201-9181	110206
81.26101-6012	110766
81.26101-6025	110766
81.66804-6032	171797
81.66804-6034	171797
88.26201-6200	110531
88.26201-9200	110531

MANDOE MALROE ➥ VALEO

MARELLI ➥ MAGNETI MARELLI

MASSEY FERGUSON

OE No.	HC-CARGO
835331592	110545
1042653M92	110510
1048570M92	110510
1446802M91	110615
1447312M91	111289
1447732R1	110615
1475923M91	112238
1618050M14	112136
1618050M4	112136
1618050R4	112136
1618473M91	110970
1618474M91	110970
1618477M91	110970
1618478M91	110970
1691795R92	110970
1691805R1	110819
1699872M1	110107
1699872R1	110107
1808449R2	110819
1868283M5	110819
1874681M91	110970
1875955M1	110970
1875955M91	110970
1875958M92	110970
1895271M91	110970
1897264M91	110970
2871A102T	111289
2871A105T	111289
2871A132T	111289
2871A136T	111289
3405390M1	111948
3477851R91	113574
3519400M1	110565
3536264M91	113474
3538541M91	113574
3539389M91	110439
3539390M91	110545
3552682M91	111289
3552682M92	111289
3581576M1	110615
3597371M2	110819
3597371R2	110819
3618907R1	111716
3618908M1	111940
3618908R1	111940
3637261R91	110178
3637264R91	110970
3637269R91	112136
3638512R91	111289
36388131R1	111289
3698015R91	110770
3698016M91	110770
3698017M91	110770
3701910M91	112722
3701911M91	112722
3701913M91	112722
3714944M1	112722
3763362M94	111346
3780634M1	113961
3819332M91	112722
3819359M91	111355
3930503R1	111948
3930504R1	111355
3933142M91	114360
586-059-M92	112989
9643382M1	110819

MAZDA

OE No.	HC-CARGO
4893-18-400	110182
FESE-18-400	110182
FFSC-18-400	110182
FFSC-18-400A	110182
FFSN-18-400	110182
RF11-18-300	110969

MERCEDES BENZ

OE No.	HC-CARGO
0001512801	110210
0001513301	110537
0008601326	160197
0008602026	160197
0008603326	160197
0008603526	160197
0011512901	110208
0011513601	110537
0011513801	110512
0011513901	110531
0011514101	110512
0011516401	110775
0011519101	112249
0011519401	110525
0011519701	110210
0012012000	070192
0015455405	160394
0015455605	160466
0018351364	070206
0021510201	110206
0021512601	110775
0021515301	110206
0021516401	110775
0021518001	110537
0021518101	110512
0021518401	110537
0021518501	110512
0021519401	110525
0021543802	112098
0021544002	112098
0031510501	110525
0031512101	112249
0031514101	110206
0031514501	110206
0031515601	110537
0031515701	110512
0031515901	110537
0031516001	110512
0031516601	110531
0031517301	110525
0031518701	110525
0031540502	112098
0031541002	112098
0031541702	110766
0041512201	110525
0041516001	110206
0041516101	110210
0051512701	110206
0051512801	110210
0051543202	113611
0051543302	111141
0051545202	111141
0051545602	111141
0051546002	111141
0051546302	110875
0051546602	110875
0051548302	110761
0051549802	110875
0061541502	110875
0061541602	112098
0061541702	110766
0061542402	111141
0061542902	111649
0061544802	112747
0071542302	111141
0071542602	113611
0081547402	112194
0081547802	111833
0081549202	112194
0091540102	111369
0091540202	111369
0091541202	112194
0091541702	112194
0091543002	112529
0091543502	112529
0091543602	112194
0091543702	112194
0091545802	112529
0091545902	111369
0091548802	112194
0101541502	112196
0101541602	112196
0101544602	111369
0101544702	112529
0101545402	112529
0101545502	111369
0101549902	111369
0111540402	112529
0111545002	111833
0121541402	113949
1408690221	160679
2218690121	160379
2751500150	110462
6388600126	160197
7161090140	112747
A0001512801	110210
A0001513301	110537
A0011512901	110208
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A0011513901	110531
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A0011516401	110775
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A0011519401	110525
A0011519701	110210
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A0021515301	110206
A0021516401	110775
A0021518001	110537
A0021518101	110512
A0021518401	110537
A0021518501	110512
A0021519401	110525
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A0021544002	112098
A0031510501	110525
A0031512101	112249
A0031514501	110206
A0031515601	110537
A0031515701	110512

OE No.	HC-CARGO
MERCEDES BENZ *continued*	
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A0031516001	110512
A0031516401	110206
A0031516601	110531
A0031517301	110525
A0031518701	110525
A0031540502	112098
A0031541002	112098
A0031541702	110766
A0041512201	110525
A0041516001	110206
A0041516101	110210
A0051512701	110206
A0051512801	110210
A0051543202	113611
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A0051545602	111141
A0051546002	111141
A0051546302	110875
A0051546602	110875
A0051548302	110761
A0051549802	110875
A0061541502	110875
A0061541602	112098
A0061541702	110766
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A0061542902	111649
A0071542302	111141
A0081547402	112194
A0081547802	111833
A0081549202	112194
A0091540102	111369
A0091540202	111369
A0091541702	112194
A0091543002	112529
A0091543602	112194
A0091543702	112194
A0091545802	112529
A0091545902	111369
A0091548802	112194
A0101541502	112196
A0101541602	112196
A0101544602	111369
A0101544702	112529
A0101545402	112529
A0101545502	111369
A0101549902	111369
A0111540402	112529
A0111545002	111833
A0121541402	113949
A0131547302	111833
MITSUBA	
SM11	113671
MITSUBISHI	
30A6000200	070213
A0T25171	111832
A0T25271	111832
A0T25371	111832
A0T25373	111832
A1T11574	111042
A1T22074	111042
A1T70783	110448
A2T32171	111035
A4TU5485	113886
A4TU5486	113886
A5T31372	111289
A5T31772	111289
A5T31773	111289
A5T31774	111289
A7T02071	112492
A7T02071A	112492
A7T02071C	112492
A7T02077	112492
A7T02077A	112492
A7T02077C	112492
A7T03877	113562

OE No.	HC-CARGO
AH2025M4	111042
AH2035M	111042
AH2035M4	111042
AH2040C4	110968
AH2140B14	110178
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M0T84381A	110182
M0T90881	114485
M0T92581	110182
M1T66081	112177
M2T50371	110933
M2T50381	110933
M2T50391	110933
M2T54083	111300
M2T54085	111300
M2T54091	111300
M2T54671	111275
M2T56471	111275
M2T56472	111275
M2T56475	111275
M2T58971	112177
M2T58981	111300
M2T60271	111275
M2T61371	111275
M2T63371	111703
M3T10473	110182
M3T10475	110182
M3T10476	110182
M3T10476D	110182
M3T29681	110421
M3T33181	110421
M3T33481	110421
M3T49981	110421
M3T49982	110421
M3T64172	111275
M4T95481	111000
M5T23172	111275
M7T03774	110999
M7T03777	110999
M8T70071	111300
M8T80471	114280
M8T80471A	114280
M8T80472	114280
M8T80472A	114280
MD017645	111042
ME108080	114280
ME108364	114280
MM409410	110933
MM409414	110933
MM432804	111832
MM435081	111832
MM435752	111832
MM438844	111832
MONARK	
337004	110525
81382305	110536
81387004	110536
81387034	110525
81388001	110523
81388020	110518
81456002	110206
81466002	110206
81466003	110208
81466005	110207
81466008	110210
81466009	110208
81466023	110206
81466051	110206
81467001	110210
81467005	110213
81467006	110213
81468001	110537
81468009	110208
MOTORCRAFT	
EGL217	111289
EGL217R	111289
EGL218	111289

OE No.	HC-CARGO
EGL218R	111289
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EGL232R	111356
MOTOROLA	
2541148	111948
2541163	111289
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2541263	110975
2541423	111419
2940060	113477
2940080	111362
2940793	111141
432984QO	110107
510-104	110178
510-105	110178
510-122	110968
510-123	110975
510-146	110975
510-163	110968
510-187	110107
510-249	110077
510-289	110043
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510-39	110970
510-427	110117
510-456	110107
510-492	110107
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510-54	110968
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510-59	110969
8SC2023Z	113898
9AL3776	110043
9AL3955G	112097
9AL5050K	110890
9AR2510	111948
9AR2513	111948
9AR2513F	111948
9AR2514	111948
9AR2514F	111948
9AR2528F	110360
9AR2529	110975
9AR2529F	110975
9AR2539	110968
9AR2539K	110968
9AR2545	111289
9AR2547	110970
9AR2547F	110970
9AR2548	110970
9AR2548K	110970
9AR2549	110970
9AR2549F	110970
9AR2553	111948
9AR2553K	111948
9AR2556	111948
9AR2556K	111948
9AR2561	110968
9AR2561K	110968
9AR2562	110969
9AR2562K	110969
9AR2566G	111948
9AR2566K	111948
9AR2569	110969
9AR2569G	110969
9AR2570	110968
9AR2570G	110968
9AR2603	110179
9AR2603F	110179
9AR2603G	110179

OE No.	HC-CARGO
9AR2620	111289
9AR2629	111289
9AR2630K	111362
9AR2650	111289
9AR2650D	110968
9AR2651	110969
9AR2651D	110969
9AR2652	111289
9AR2652F	111289
9AR2653	110969
9AR2653F	110969
9AR2654G	110968
9AR2655G	110969
9AR2683	110968
9AR2683G	110968
9AR2684P	110969
9AR2699G	110968
9AR2700	111289
9AR2700G	111289
9AR2701	111289
9AR2703	111289
9AR2704F	110969
9AR2705	110968
9AR2705G	110968
9AR2706	110969
9AR2706G	110969
9AR2707G	111289
9AR2715F	112310
9AR2725F	110107
9AR2756F	110360
9AR2786K	111948
9AR2803F	110969
9AR2826K	111948
9AR2835	110360
9AR2835G	110360
9AR2841	110968
9AR2843G	111289
9AR2851	111948
9AR2851K	111948
9AR2852	111948
9AR2852K	111948
9AR2853	111948
9AR2853K	111948
9AR2856	111948
9AR2856K	111948
9AR2861K	111948
9AR2862	111948
9AR2862K	111948
9AR2877	110179
9AR2878	110969
9AR2883	110360
9AR2883G	110360
9AR2887	110107
9AR2888	110107
9AR2896G	110360
9AR2913	110969
9AR2915F	110178
9AR2916	110178
9AR2916F	110178
9AR2918	111185
9AR2918G	111185
9AR2919	113574
9AR2919P	113574
9AR2944K	111948
9AR2951	111686
9AR2951L	111686
9AR2960F	110968
9AR2963	113574
9AR2963L	113574
9AR2968	110105
9AR2968K	110105
9AR2978	111289
9AR3868G	110043
9AR3952	112097
9AR3952G	112097
9AR5006G	111180
9AR5019	110179
9AR5022	111289
9AR5022G	111289

OE No.	HC-CARGO
9AR5040K	111948
9AR5060	110968
9AR5070K	111948
9AR5083G	110107
9AR5092K	111289
9AR6012	110117
9AR6012G	110117
9AR6015K	110766
110-238	110445
110-244	110445
110-252	111736
110-565	113898
8HA2009KA	110179
8MA2010P	110170
8MA2010PA	110170
8MA2014P	110170
8MA2014PA	110170
8MR2033T	111736
8MR2035T	110445
8SC2282VG	113898
9FB2LD2A05	110975
MWM	
01180302	112747
12270186	112098
12270612	111978
305710100004	110766
605710100109	110641
605710100112	110766
605710100130	111662
605710100136	110641
605710100146	110766
605720100016	110512
605720100071	111332
605720100105	111332
NAGARES	
IT4412	160243
ITA412	160312
ITA512	160314
ITE3	160312
ITE324	160313
ITG312	160242
ITG324	160261
ITG412	160244
ITGS312	160242
ITGS324	160261
ITGS412	160243
ITH3	160341
ITJS312	160315
ITRC6	160262
MR1220	160363
RDP512	160168
RDP524	160169
RL18012	160477
RL8024	160478
RLAC424	160239
RLAC424	160240
RLP412	160311
RLP512	160265
RLP5212D	160270
RLP5224	160216
RLP5224D	160271
RLP524	160266
RLPA412	160083
RLPA424	160215
RLPA5212	160316
RLPA5224	160317
RLPD12	160267
RLPS12	160282
RLPS412	160282
RLPS424	160307
RLPS5212	160308
RLPS5224	160337
RP10024	160721
RP12012	160720

OE No.	HC-CARGO
NEW HOLLAND	
8017114	090318
8210242	112718
82003307	112718
82006984	070134
82010242	112718
82010243	113529
82014508	113529
82020011	113621
82032859	114050
82980757	110813
84141452	113621
87310882	113621
87652087	113621
87751000	113570
87774252	112773
185086530	113696
323019050	114021
500364130	114384
NIKKO	
0-21000-3730	110412
0-21000-4230	110412
0-21000-4231	110412
0-21000-5230	110412
0-21000-5231	110412
0-23000-1260	111254
0-23000-1310	111254
0-23000-1700	111254
0-23000-1830	111041
0-23000-1850	112268
0-23000-1870	111041
0-23000-1880	110604
0-23000-1890	110604
0-23000-2010	112268
0-23000-2030	111760
0-23000-2031	111760
0-23000-2040	111760
0-23000-2060	111221
0-23000-2070	112668
0-23000-2100	111254
0-23000-2101	111254
0-23000-2102	111254
0-23000-2103	111254
0-23000-2140	112268
0-23000-2201	111254
0-23000-2260	113452
0-23000-2270	111760
0-23000-2470	111760
0-23000-2540	111254
0-23000-2541	111254
0-24000-3120	114324
0-24000-3122	114324
0-24000-3123	114324
0-24000-3250	114324
0-24000-3251	114324
0-35000-0390	112160
0-35000-0391	112160
0-35000-0392	112160
0-35000-0460	112160
0-35000-0461	112160
0-35000-0471	112160
0-35000-0480	112160
NISSAN	
01501081-0	160282
01501189-0	160327
01505634-0	160311
01505997-0	160282
01506377-0	160311
01506437-0	160282
01506584-0	160308
23100-Q9000	110968
23360-30R12	135401
25230-89978	160480
28810-G9708	160395
28810-G9709	160396
34466-03200	111275

OE No.	HC-CARGO
34466-15202	111275
34466-20201	111275
ONAN	
185-2166	110552
191-1529	113015
191-1567	113015
191-2212	113429
191-2347	113429
OPEL	
1202048	110844
1204004	111168
1204005	111168
1204008	110972
1204009	110972
1204010	110972
1204011	110972
1204013	111168
1204020	110972
1204021	110972
1204110	110077
1204197	110972
1204198	110972
1204222	111168
1204316	111168
1204317	110972
1204318	110972
1204319	110972
1204320	110972
1204321	111168
1204335	111168
1238550	160297
1238621	160311
1450156	160197
1450174	160197
1450182	160197
9287211	160311
22127653	160197
90337045	111168
90337047	110972
90349207	111168
90349210	110972
90448286	070203
90509271	070203
94448959	111683
OSRAM	
1157	170724
2721	170410
2721	170775
2741	170477
2741	171108
2820	170725
2820	171121
2821	170331
2821	171104
2825	170347
2825	171105
2827	170754
2841	170476
2841	171106
2845	170542
2845	171107
3757	170711
3796	170345
3796	171103
3797	170416
3797	170796
3799	171483
3860	170580
3892	171492
3893	170346
3893	170774
3894	170594
3895	171491
3898	170448
3898	171119

OE No.	HC-CARGO
3899	170456
3930	170417
3930	170795
5001	171480
5006	171481
5007	170340
5007	170773
5008	170339
5008	170772
5407	170593
5626	170482
5626	171102
5627	170413
5627	170794
5631	170584
5637	170351
5637	170793
6253	170580
6411	170344
6411	171098
6413	170343
6413	171097
6416	171488
6418	170341
6418	171094
6423	170414
6423	171096
6424	170415
6424	171099
6428	170590
6429	171100
6439	170591
6450	171489
6451	170342
6453	170592
6461	170411
6461	171095
6475	170588
6476	171139
6480	170589
7135	170816
7225	170644
7225	171093
7231	170337
7234	171531
7240	170673
7241	170337
7244	170453
7301	170579
7309	170575
7326	170814
7327	170815
7351	170573
7360	170574
7429	170507
7429	171088
7430	170583
7501	171475
7506	170335
7506	170769
7507	171089
7511	170349
7511	170826
7512	170481
7517	171476
7526	171472
7528	170336
7528	170770
7535	170761
7537	170452
7537	171092
7669	170578
7950	171477
7951	170338
7951	170771
7952	170350
9004	170692
9005	170693
9006	170694

O.E.M names and numbers are used for reference purposes only

OE No.	HC-CARGO
OSRAM *continued*	
9145	171036
9507	170849
9507	171090
9511	170451
9511	171078
9627	170455
9627	171118
9637	170454
9637	171076
9930	170503
64070	170493
64070	171068
64111	170470
64113	170502
64115	170380
64132	170741
64132	171082
64136	170742
64136	171083
64138	171084
64149	170696
64150	170069
64150	170332
64151	170070
64151	170333
64152	170493
64153	170496
64155	170449
64155	171072
64156	170412
64156	170836
64173	170576
64173	171073
64175	170478
64183	170681
64185	170718
64191	170572
64193	170334
64193	170768
64193	170804
64196	170348
64196	170792
64199	170006
64210	170720
64211	171037
64212	171034
64213	171035
64215	170800
64215	171080
66042	171613
66050	171132
66154	171683
66240	171133
94196	170450
94196	171125
2321MFX	171379
2322MFX	171380
2351MF6	171381
2351MFX6	170727
2351MFX6	171109
2352MFX6	170756
2352MFX6	171110
2452MFX6	171023
2473MFX6	171033
2721MF	170357
2721MF8	170612
2721MF8W	170545
2721MFHZ	171382
2721MFJF	171384
2721MFX	171024
2722MF	170610
2741MF	170358
2741MF8	170613
2741MFX	171028
2825L	170662
5007L	170660
5008L	170663
64122MF	170751
64124MF	170752
64150SUP	170965
64150SUP	171070
64151ALL	170723
64193GP	171114
64193L	170657
64193L	171113
64193SUP	170804
64193SUP	171066
64215L	171532
7506L	170658
7507LDA	171371
7512A	170481
7527	170586
7528L	170659
7529	170482
7533	170582
7569	170577
7582	170581
7597	170614
9006XS	171794
PANASONIC	
35259380	110525
PARIS RHONE ➥ VALEO	
PERKINS	
31179	110443
31196	110442
31197	110442
34237	110442
34263	110482
1871629	130040
1871633	130040
1871635	130040
1871636	130040
1871703	130040
2871161	110482
2871170	110483
2871175	110483
2871178	110482
2871180	110483
2871181	110484
2871182	110483
2871184	110484
2871609	111185
2871611	110178
2871612	110969
2871613	110178
2871615	110178
2871616	110179
2871619	110178
2871621	130038
2871622	130038
2871623	130039
2871624	130038
2871625	130039
2871626	130038
2871627	130038
2871628	130041
2871629	130040
2871631	130039
2871632	130038
2871634	130041
2871637	130041
2871638	130041
2871702	130883
2871706	130883
2871707	130033
2871708	110969
2873001	111737
2873002	110460
2873003	110565
2873004	110565
2873006	111346
2873008	110819
2873022	111737
2873108	111024
2873109	110449
2873116	110439
2873118	110439
2873119	110442
2873121	110443
2873123	110442
2873124	110442
2873126	110464
2873141	110443
2873143	110439
2873145	110442
2873147	110449
2873152	110818
2873153	110464
2873154	111024
2873168	110818
2873179	110178
2873180	110442
2873181	110442
2873185	110442
2873186	110442
7523002	110442
7523821	110442
37701400	110615
185046220	111048
185046320	113562
185046360	111355
185046500	113763
185046501	113763
185046522	113763
185086291	111300
185086321	110552
185086410	111300
185086500	111300
185086510	111300
185086530	113696
185086610	110552
185086620	111300
1447732MI	110615
1871A154	110968
1871A163	110968
1873A010	110443
1873A012	110439
1873A013	110442
1873A015	110442
1873A052	110819
1873A053	110615
1873A054	111346
1873A055	111346
1873A056	110615
23737R	111289
23962R	111289
23963R	110179
24123R	111948
26283R	110443
26294R	111737
26295R	110460
26358R	110460
26408R	110460
26410R	110565
26414R	111346
27432R	110439
27533R	112136
2848A275	090225
2848A279	090225
2871A101	111184
2871A102	111185
2871A103	110178
2871A105	110178
2871A107	110178
2871A109	111289
2871A110	110969
2871A112	110969
2871A116	110178
2871A118	110178
2871A120	111185
2871A121	111184
2871A122	111289
2871A123	110969
2871A124	110968
2871A126	110969
2871A128	110968
2871A129	111184
2871A131	111185
2871A132	110178
2871A134	110178
2871A136	110178
2871A137	110179
2871A138	110968
2871A141	110770
2871A147	110770
2871A148	110770
2871A149	112238
2871A154	110770
2871A156	113763
2871A160	111355
2871A163	110770
2871A165	111289
2871A168	113763
2871A301	113763
2871A302	113763
2871A303	113763
2871A306	113763
2871A411	110968
2871D031	110770
2871D032	110107
2871D033	110107
2872D002	110442
2873A001	110615
2873A010	110443
2873A012	110439
2873A015	110442
2873A016	110464
2873A017	110439
2873A029	111346
2873A030	111737
2873A031	111346
2873A102	110443
2873A103	110442
2873A104	110439
2873A105	110464
2873A15	110442
2873B052	110819
2873B053	110460
2873B055	111346
2873B056	110615
2873B057	110460
2873B061	110819
2873B071	110615
2873B072	111346
2873B073	111346
2873D001	110565
2873D003	110443
2873D004	110819
2873D005	110439
2873K405	113655
2873K624	114388
2873K625	114388
2873K626	114388
2873K634	114388
3181A084	113763
3873K625	114388
TPN758	113763
TPN771	113763
PETTER	
282250	110483
PEUGEOT	
168093	080994
655117	160308
655504	160308
655533	160282
9619879180	160570
6434.60	160629

O.E.M names and numbers are used for reference purposes only

OE No.	HC-CARGO
PHILIPS	
1157	170724
6336	171469
6421	171471
6458	171473
6498	171475
6499	171476
6620	171477
6807	171479
6811	171484
6814	171480
6821	171481
6828	171482
6829	171483
6849	171485
6850	171486
6854	171487
6864	171488
6866	171489
6913	171491
6929	171492
9004	170692
9005	170693
9006	170694
12023	170470
12025	170380
12027	171124
12036	170741
12036	171082
12039	170591
12040	170948
12052	170822
12060	170726
12064	171135
12065	170777
12066	170776
12188	171869
12227	170575
12241	170577
12247	170579
12256	170331
12256	171104
12258	170069
12258	170332
12311	170576
12311	171073
12325	170581
12336	170070
12336	170333
12342	170334
12342	170768
12342	170804
12356	170742
12356	171083
12396	170754
12396	171123
12401	170582
12402	170583
12413	170584
12422	170585
12428	170696
12445	170586
12454	170493
12454	171068
12455	170496
12458	170718
12475	170681
12496	171089
12498	170335
12498	170769
12499	170336
12499	170770
12500	170337
12503	170673
12516	170410
12516	170775
12569	170009
12569	171065
12593	170572
12594	170644
12594	171093
12596	170071
12597	170612
12598	170357
12600	170610
12604	170610
12605	170357
12605	170610
12620	170338
12620	170771
12718	170814
12728	170815
12748	170573
12803	171139
12807	170588
12814	170339
12814	170772
12818	170590
12819	170580
12821	170340
12821	170773
12822	170593
12829	170448
12829	171119
12844	170341
12844	171094
12850	170342
12854	170411
12854	171095
12860	170005
12864	170343
12864	171097
12865	170005
12866	170344
12866	171098
12875	170509
12886	170951
12894	170726
12910	170594
12913	170345
12913	171103
12929	170346
12929	170774
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12960	171121
12961	170347
12961	171105
12972	170720
12972	171077
13241	170578
13256	170476
13256	171106
13258	170449
13258	171072
13311	170478
13324	170614
13336	170412
13336	170836
13342	170348
13342	170792
13401	170480
13401	171086
13402	170507
13402	171088
13413	170938
13421	170483
13422	170481
13445	170761
13454	170494
13496	170849
13496	171090
13498	170349
13498	170826
13499	170452
13499	171092
13500	170453
13516	170477
13516	171108
13593	170360
13597	170613
13598	170358
13620	170350
13628	170362
13748	170574
13807	170589
13814	170351
13814	170793
13821	170413
13821	170794
13822	170482
13822	171102
13829	170456
13844	170414
13844	171096
13864	170415
13864	171099
13866	171100
13910	170474
13913	170416
13929	170417
13929	170795
13961	170542
13961	171107
13972	170800
13972	171080
24356	171084
85122	171133
85126	171132
85410	171613
12258BV	171071
12258PR	170965
12258PR	171070
12258VP	171136
12336AW	170723
12342BV	171067
12342GO	171114
12342GOLD	171114
12342LL	170657
12342LL	171113
12342PR	170804
12342PR	171066
12342VP	171134
12496SV	171371
12498LL	170658
12499LL	170659
12814LL	170663
12821LL	170660
12961LL	170662
12972BV	171079
12972LL	171117
12972PR	171081
12972VP	171137
13342GO	170721
13342HD	170450
13342HD	171125
13498HD	170451
13498HD	171078
13521M	170358
13814HD	170454
13814HD	171076
13821HD	170455
13821HD	171118
13850.	170592
13929HD	170503
13972LL	171532
6445/99	171472
PIC	
7111	110075
12125	110107
13193	110105
102-211	111911
102-308	110522
102-308A	110522
102-309	110518
102-310	110521
102-310A	110521
102-311	110529
102-311A	110529
102-312	110529
102-313	110813
102-316	110529
102-317	110529
102-322	110529
102-323	110530
102-324	110521
102-325	110520
102-327	111001
102-330	110813
103-083	110421
103-144	110182
103-186	110182
103-224	110933
103-224A	110933
103-330	112177
103-331	111300
103-345	111275
103-352	111300
103-352A	111300
103-352B	111703
103-384	111300
104-106	112674
104-142	110552
104-147	111098
104-232	110443
104-235	110412
104-269	110412
104-277	110565
104-295	110439
105-200	110640
106-010	110510
106-016	110510
106-020	110949
106-024	111701
106-030	113015
106-034	111012
106-034A	111012
106-044	112150
106-055	112831
106-060	112568
106-061	112568
106-077	111701
106-200	110635
106-205	111804
106-206	112242
106-210	113539
106-212	113539
106-305	112313
106-306	112564
106-526	113017
106-526A	113017
108-192A	113269
108-236	110439
108-236A	110439
108-237	110565
108-237A	110565
108-264	111015
108-278	113478
108-378	110439
120-070	112034
120-112E	110775
120-149	111855
120-149A	111855
120-152	112172
120-164	110868
120-164A	110868
120-186	110868
120-186A	110868
120-202	111911
120-310	110844
120-310A	110844
120-331A	111015
120-361	111911
120-497	111755
120-497A	111755
120-498	111755

O.E.M names and numbers are used for reference purposes only

PIC *continued*

OE No.	HC-CARGO
120-500	111755
120-500A	111755
120-501	112249
120-504	111752
120-504A	111752
120-504B	111752
120-504C	111752
120-504G	111752
120-505	110530
120-505A	110530
120-5061A	110512
120-5061B	110512
120-507	110536
120-5070	110461
120-5070A	110461
120-513	110536
120-514	110525
120-516	110536
120-518	110525
120-518B	110525
120-518C	110525
120-524	110525
120-526	110529
120-526A	110529
120-527	112660
120-527A	112660
120-528	110522
120-530	110536
120-531	112660
120-535A	110529
120-539	112135
120-539A	112135
120-539B	112135
120-543	110522
120-548	110462
120-550	112041
120-553	112074
120-553B	112074
120-556A	110530
120-561	111791
120-561A	111791
120-561B	111791
120-562	112074
120-564	113726
120-565	110521
120-565A	110521
120-565B	110521
120-566	111885
120-567	110517
120-568	111001
120-568A	111001
120-568B	111001
120-570	110520
120-570A	110520
120-571	110518
120-571A	110518
120-581A	110537
120-581B	110537
120-581C	110537
120-581D	110537
120-582B	110534
120-585	110512
120-585A	110512
120-589	110206
120-589A	110210
120-589B	110210
120-589C	110210
120-590	112555
120-591	110531
120-591A	110531
120-596	110439
120-597	110813
120-597A	110813
120-599	111885
120-599A	111885
120-6002	110536
120-6002A	110536
120-6002C	110529
120-6004	110818
120-6009	110512
120-6009A	111249
120-6009B	111249
120-6010	110550
120-6010A	110208
120-6030	112034
120-6039	113534
120-6045	112071
120-6052	112132
120-6052A	112132
120-6063	110443
120-6075	110436
120-6083	110213
120-6083A	110213
120-6088A	110207
120-6114	113900
120-6123	112249
120-6126	111332
120-6126A	111332
120-6126B	111332
120-6131	110536
120-6132A	112249
120-6276	114021
120-800	110999
120-800A	110999
120-803	110347
120-803A	110347
120-821	110347
120-837	110539
120-840	112074
140-556	111041
140-6051	112546
140-714	111260
140-714D	111260
140-720D	111049
140-730	110468
140-730A	110468
140-731	110468
140-731A	110468
140-741	110491
140-741A	110491
140-744A	110469
140-745	110469
140-745A	110469
140-761	111259
140-761A	111259
140-762	111259
140-773	110469
140-774A	110469
140-802	110604
140-802A	110604
140-815A	112268
140-828	111041
140-828D	111041
140-828E	111041
140-828G	111041
140-834	110604
140-834A	110604
140-834B	110604
140-834C	110604
140-834D	110604
140-839	112660
140-840	111221
140-840A	111221
140-840B	111221
140-846	112268
140-846A	112268
140-854	112268
140-854A	112268
140-881	111760
140-908	112268
140-915	111221
140-917	111760
140-918	111760
140-919	111760
140-925	112268
140-926	111041
140-927	110604
140-936	112668
140-9849	110347
140-9873	111000
141-205	111224
141-209	111224
141-211	111224
141-213	111224
141-267	112243
141-267B	110436
141-269	112243
141-281	111224
141-317	111021
141-330	112243
141-330B	112243
141-330D	112243
141-330F	112243
141-331	112243
141-331A	112243
141-331C	112243
141-350	111224
141-350A	111224
141-350D	111224
141-351	111224
141-351A	111224
141-351B	111224
141-351D	111224
141-351E	111224
141-353	112169
141-353D	112256
141-353F	112169
141-353J	112256
141-355	112256
141-355E	112256
141-400	111224
142-035	111000
142-037	112089
142-043	110999
142-047	112089
142-075	112089
142-095	112089
142-101	112089
142-101B	112089
142-101D	112089
142-101F	112089
142-101I	112089
142-102	112089
142-102B	112089
142-102D	112089
142-102F	112089
142-106F	112089
142-110	112089
142-111	112089
142-115	112089
142-115D	112089
142-116	112089
142-121	110436
142-121B	110436
142-121D	110436
142-121F	110436
142-121J	110436
142-122	110436
142-122B	110436
142-125	110436
142-125H	110999
142-131	110436
142-131B	110436
142-132	110436
142-132B	110436
142-133	110436
142-141	111000
142-141B	110999
142-141J	111000
142-141K	111000
142-142	111000
142-142B	111000
142-144	112089
142-151	111000
142-151B	110999
142-152	110999
142-152A	110999
142-153	111000
142-158	111000
142-159	111000
142-161	110999
142-162	110999
142-162B	110999
142-164	112243
142-167	112243
142-167A	112243
142-167B	112243
142-171	110999
142-171B	110999
142-172	110999
142-177	110999
142-180	112089
142-182	110347
142-186	110347
142-187	110347
142-188	110347
142-188A	110347
142-194	110347
142-197	110347
142-206B	112089
142-211	112089
142-212	112089
142-212H	112089
142-213	112089
142-218	112089
142-219	110436
142-221	110436
142-222	110436
142-222D	110436
142-225	110436
142-226	110436
142-226D	110436
142-241	110999
142-241A	111000
142-242	111000
142-244	111000
142-253	110347
142-257	110999
142-258	110999
142-261F	110999
142-262	110999
142-262F	110999
142-268	110999
142-279	110436
142-295	110436
142-295D	110436
142-313B	111000
142-317	110436
142-326	110436
142-332	110436
142-364	110436
142-368	112089
142-368H	112089
142-371	111000
142-372D	110999
142-605	111000
142-608	111000
142-612A	112089
142-612B	112089
142-618	112089
142-625	112089
142-627	110999
142-679	112089
142-693A	110436
142-769	111000
142-781	111000
142-795	110999
142-797	110999
150-025	113728
151-351B	111224
160-203	111000
160-337	112249
160-377	112249
170-270	111221
180-110A	111103
180-131	110868

O.E.M names and numbers are used for reference purposes only

OE No.	HC-CARGO
180-240	111755
180-300D	110462
180-300H	111499
180-301	110462
180-302	111573
180-302A	111573
180-303	110462
180-305	110819
180-305B	110819
180-306	111346
180-306A	111346
180-307	112660
180-307B	112660
180-308	110460
180-308C	111346
180-309	110565
180-310	110565
180-313	110615
180-313A	110615
180-313B	110615
180-313C	110615
180-315	110462
180-316	110460
180-319	110464
180-319A	110464
180-349	110565
180-349A	110565
180-349B	110565
180-349C	110565
180-349E	110565
180-349F	110565
180-352	110818
180-352B	110818
180-353	110442
180-359	112136
180-359A	112136
180-360	110439
180-360A	110439
180-360B	110439
180-361	110443
180-362	110818
180-366	110438
180-375	113670
180-385	110438
180-387	111574
180-389	110442
180-389A	110442
180-389D	110442
182-104	110536
182-105	110521
182-106	110529
182-107	110439
182-118	110518
182-120	112555
182-121	110565
182-134	110517
182-138	110530
182-140	110813
182-146	111001
182-148	110522
182-154	110529
182-160	110529
182-162	110525
182-170	110814
182-176	110819
182-178	110530
182-184	110615
182-186	112249
182-188	110536
182-192	112041
182-194	111755
182-202	110813
182-206	110462
182-208	112074
182-212	110818
182-224	111332
182-234	112135
182-240	111755
182-246	112135

OE No.	HC-CARGO
182-248	112136
182-256A	110537
182-260B	110523
182-278	110206
185-253	110412
185-260	111254
185-260A	111254
190-011	110421
190-011A	110421
190-113	110421
190-115	110421
190-117	110421
190-117A	110421
190-142	110245
190-189	113597
190-201	113725
190-307	110940
190-309	110245
190-312	110356
190-316	110447
190-316A	110447
190-316B	110447
190-317	110940
190-318	110940
190-388	110356
190-425	111197
190-429	111622
190-432	110447
190-437	111021
190-500	111683
190-508	111087
190-531	113596
190-541	112546
190-544	113663
190-548	110940
190-548A	110940
190-556	110246
190-560	111021
190-560A	111021
190-574	113696
190-575	110246
190-578	110940
190-583	111021
190-586	110356
190-587	110246
190-593	111197
190-6023	110447
190-757	111197
190-775	113725
190-796	110436
190-800	110627
190-801A	113725
190-801B	113725
190-801D	113725
190-801F	113725
190-801H	113725
190801J	113725
190-801J	113725
190-846	111224
190-850	111224
190-854	111224
190-878	110999
190-878A	110999
190-885	111000
190-9011	111224
199-116	110449
199-116A	111024
202-100	111035
202-101	110912
202-102	111035
202-103	110611
202-110	112097
202-112	111180
202-116	110890
202-117	112768
202-145	113621
203-102	111042
203-167	113562
203-266	111832

OE No.	HC-CARGO
203-272	110448
204-124	110107
204-164	110107
204-208A	110448
208-385	111948
208-387	111940
208-388	111716
208-391	111948
208-392	111940
208-396	112183
208-400	113477
208-400A	113477
208-405	111355
208-406	111355
208-588	112529
208-589A	112529
208-597	112529
210-156	110170
210-212	110975
210-221	110975
210-229	111736
210-246	111948
210-268	110445
210-290	111948
211-120	110075
220-021	112046
220-114	111035
220-134A	110875
220-144	110899
220-144A	110899
220-146	112098
220-159	110360
220-159C	110360
220-176	110881
220-187	110077
220-188	110641
220-188A	111662
220-189	112742
220-202	111686
220-280A	112194
220-281	112194
220-281A	112194
220-290	110641
220-295	111369
220-295A	112529
220-295B	111369
220-343	111843
220-345	111888
220-345A	111888
220-349	110105
220-350	111649
220-351	111649
220-352	112742
220-353B	112098
220-356	110801
220-357	111419
220-365	110591
220-366	110882
220-366A	110890
220-367	112493
220-369	110766
220-369A	110766
220-375	112773
220-377	110882
220-378	112170
220-380	111141
220-387	112736
220-389	112747
220-391	110890
220-391A	110890
220-393	112747
220-397	110766
220-399	112097
220-399A	112097
220-406	112747
220-413	112747
220-420	111180
220-420A	111180
220-487	110360

OE No.	HC-CARGO
220-5016	112194
240-095	110075
240-120	110075
240-120A	110075
240-122	110075
240-201-9	110505
240-210	110505
240-210-3	110505
240-211	110505
240-211-3	110505
240-214	110505
240-215	110505
240-216	110505
240-217-3	110504
240-218	110505
240-219	110505
240-220	110075
240-222	110505
240-225	110075
240-247	111713
240-247-6	111713
240-252	110508
240-253	110505
240-256	110952
240-257	110505
240-261	110952
240-299	110508
240-299-3	110508
240-299-9	110508
240-300-6	110508
240-301-3	110505
240-301-6	110508
240-301-9	110508
240-306-9	110508
240-785	110591
240-800	112260
240-800A	112260
240-802	110300
240-803	110300
240-806	110591
240-815	110591
240-816	110591
240-816A	110591
240-834	112989
240-835	110801
240-835A	110801
240-836	112989
240-858	113432
240-865	112160
240-865A	112160
240-866	112160
240-866A	112160
240-866B	112160
240-867	112160
240-868	112992
250-142	110641
250-802	110300
260-300	110427
260-301	110427
280-099	110178
280-100	111185
280-101	110178
280-102	110178
280-102A	110969
280-103	111204
280-104	110179
280-104A	110179
280-106	111204
280-111	111185
280-112	110179
280-119	111184
280-127	110179
280-128	111289
280-301	111948
280-303	111185
280-306	110968
280-306A	110770
280-307	111363
280-307A	111363

O.E.M names and numbers are used for reference purposes only

OE No.	HC-CARGO
PIC *continued*	
280-308	111289
280-309	111739
280-309A	111739
280-310	111740
280-313	110107
280-318	110107
280-320	113623
280-321	113623
280-324	113623
280-325	112718
280-327	112722
280-328	113623
280-329	113623
280-330	111740
280-331	111184
280-331A	111184
280-333	110770
280-337	111355
280-342	113683
280-347	112718
282-108	110766
282-132	111662
282-143	111833
282-143A	111833
282-148	111686
282-152	111686
282-154	110890
282-156	110641
282-157	111141
282-163	110766
282-164	112097
282-170	112097
282-172	110890
282-174	110882
282-177	112098
282-186	111528
282-190	111888
282-208	112389
282-224	112170
290-171	110801
290-175	113856
290-189	111830
290-193	111048
290-193	113921
290-194	111048
290-196	111048
290-198	111048
290-198A	111048
290-198B	111048
290-199	111048
290-199	113921
290-199A	111048
290-199A	113921
290-199B	113921
290-209	110620
290-402	110445
290-402A	110445
290-405	111215
290-437	111048
290-439	111048
290-5166	113921
340-07	110505
340-111	110505
340-13	110505
340-33	110505
340-38	110505
340-41B	113598
340-43	110505
340-73	110505
340-85	110505
340-94	110505
340-99	110505
380-10	110484
380-11	110483
380-12	110483
380-13	110482
380-15	110484
900-004	110213
900-014	110206
900-018	110512
900-023	111217
900-030	110601
900-236	110536
900-248	112135
900-295	110520
900-447	112074
900-605	110512
900-612	110537
900-615	110512
900-810	110818
900-830	110439
900-836	110460
900-837	111573
900-842	110565
900-843	110615
900-848	110460
900-853	110461
900-854	110461
901-077	110521
901-078	110518
901-079	110529
901-086	110813
901-087	110814
901-088	110517
901-096	110814
901-100	110517
901-102	110521
901-103	110521
901-106	110529
901-111	110529
901-213	110421
901-570	112249
901-627	110817
901-635	110439
901-641	110461
901-642	110461
901-655	111737
901-685	110518
901-692	110814
901-702	110421
901-747	112742
901-777	112747
901-808A	110178
901-809	110969
901-813	110179
901-826	110179
901-879	110970
901-890	110975
902-071	110882
902-103	110881
902-145	110770
902-147	110770
902-148	111362
902-236	111686
902-373	110565
902-406	110210
902-702	110522
902-800	112089
902-823	112089
902-940	110347
902-976	110347
902-977	110347
903-136	110436
903-483	112243
903-865	110412
904-029	110868
904-036	111103
904-045	110640
904-071	110868
904-276	110521
904-278	110522
904-294	110640
904-486	110061
904-487	110060
904-829	110300
904-830	112260
904-831	112260
904-832	112260
905-054	111035
905-060	111035
905-064	111035
905-066	111035
905-068	110912
905-086	111620
905-088	111620
905-092	111686
905-108	110975
910-284	110347
910-307	110814
910-323	111254
910-575	111042
910-623	112097
910-695	110179
910-696	110179
910-702	111035
910-715	111362
910-718	111740
910-904	110075
910-945	110075
910-951	110075
910-952	110075
910-992	110075
911-010	110075
911-127	110882
911-228	110447
911-437	110445
911-601	112260
911-614	110801
940-360	110347
980-005	110461
980-006	110525
980-007	110814
983-001	113269
983-004	110551
POONG SUNG	
03101-3030	111683
03101-3031	111683
PORSCHE	
92862817200	160197
PRESTOLITE	
855694	111000
858320	110518
860141	112097
860177	110043
860715	114388
20100190	110912
20100220	111948
20100522	111739
20100530	111739
20100693	110969
20100958	110968
20110134	110881
20110305	111888
20130116	112718
20130133	110077
20130136	111843
20130137	112046
20130192	110179
20140110	111048
20200100	110482
20200101	110483
20500106	111573
20500120	110817
20500124	110443
20500147	110545
20500155	110464
20500157	110818
20500190	110439
20500195	110615
20500212	110462
20500552	110462
20500673	110461
20500706	111574
20500762	110536
20500839	110517
20500847	110529
20500923	110523
20500968	110615
20500969	111346
20513015	110552
20513016	111300
20513022	111703
20513040	110245
20513045	111885
20513051	112041
20513058	111752
20513059	111021
20513069	111855
35258810	111221
35258880	110604
35258990	110604
35259130	111041
35259620	110627
35259650	110604
35259680	110604
35259690	111041
35259710	111041
66021115	110969
66021126	110497
66021136	110968
66021137	110969
66021147	110107
66021149	110972
66021152	110975
66021155	110497
66021169	111204
66021409	110968
66021411	113574
66021412	112238
66021416	110972
66021419	110968
66021429	110968
66021436	110972
66021438	110969
66021445	111356
66021456	110968
66021459	110972
66021461	110968
66021479	110107
66021486	111204
66021490	110643
66021543	111355
66021579	110972
66021583	111948
66021605	111739
66021636	110968
66021637	110969
66021836	112722
66925050	110439
66925051	110442
66925089	110615
66925090	110565
66925170	110462
51-178	110427
51-212	110427
66021126K	110497
66021490A	110643
66021616A	110643
ANB6001	110427
ANB6002	110427
ANB6004	110427
ANB7001	110427
ANB7002	110427
ANB7003	110427
ANB7004	110427
MEO6005	112249
MFY6201I	110999
MFY6201K	110999
MFY6401K	110999
MFY6401L	110999
MFY6601I	110999
MFY6601K	110999

O.E.M names and numbers are used for reference purposes only

OE No.	HC-CARGO
OMS124	110627
OMS125	111041
PBNA0101	110179
PBNA0104	110179
PBNA0105	110179
PBNA0110	110972
PBNA0111	110179
PBNA0113	110179
PBNA0121	110968
PBNA0130	110969
PBNA0131	110968
PBNA0143	110968
PBNA0147	110179
PBNA0185	110968
PBNA0190	110912
PBNA0206	110968
PBNA0220	111948
PBNA0228	110968
PBNA0229	110969
PBNA0230	110968
PBNA0382	112238
PBNA0392	110968
PBNA0582	111355
PBNA0584	110077
PBNA0586	110969
PBNA0597	110912
PBNS1176	110461
PBNS1608	111024
PBNS1644	110449
PBNS3015	110552
PBNS3016	111300
PBNS3022	111703
PBNS3040	110245
PBNS3045	111885
PBNS3051	112041
PBNS3058	111752
PBNS3059	111021
PBNS3101	110627
PBNS3102	110627
PUROLATOR	
40222	070076
50107	070191
60107	070191
40106N	070188
REAL	
20401234	110206
20404077	110814
20404081	110813
20404082	113381
REMY (DELCO)	
050	110972
051	111168
052	110972
066	111168
067	110972
068	110972
208	111168
619	111168
719	111168
199903	111000
219051	113458
219055	113457
390049	113457
390050	113458
390087	111647
1100072	112260
1100073	112260
1100077	110300
1100078	110591
1100080	112260
1100081	112260
1100084	112260
1100086	112260
1100087	112260
1100089	112260

OE No.	HC-CARGO
1100090	112260
1100092	110325
1100093	110300
1100118	110505
1100123	110505
1100127	110505
1100151	110505
1100159	110505
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1100170	110505
1100171	110505
1100185	112260
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1100204	110505
1100205	110508
1100206	110508
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1100212	112260
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1100274	110300
1100275	110508
1100276	110508
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1100288	110508
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1100294	110505
1100297	110505
1100298	110508
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1100374	110505
1100419	110505
1100422	110505
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1100444	110505
1100485	110505
1100490	110505
1100491	110505
1100492	110505

OE No.	HC-CARGO
1100493	110505
1100495	110505
1100496	110505
1100498	110505
1100499	110325
1100533	110075
1100551	110505
1100553	110075
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1100561	110505
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1100566	110075
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1100569	110075
1100570	110075
1100571	110075
1100572	110075
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1100668	110075
1100669	110075
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1100671	110075
1100672	110075
1100674	110075
1100675	110075
1100676	110075

OE No.	HC-CARGO
1100677	110075
1100678	110075
1100679	110075
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1100683	110075
1100684	110075
1100686	110075
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1100701	110075
1100702	110075
1100703	110075
1100704	110075
1100705	110075
1100706	110075
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1100708	110075
1100709	110075
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1100770	110075
1100771	110075
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1100774	110075
1100775	110075
1100777	110075
1100778	110075
1100779	110075

O.E.M names and numbers are used for reference purposes only

REMY (DELCO) *continued*

OE No.	HC-CARGO
1100780	110075
1100781	110075
1100782	110075
1100784	110075
1100787	110075
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1100795	110075
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1100803	110075
1100804	110075
1100805	110075
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1100808	110075
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1100811	110075
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1100819	110075
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1100828	110075
1100831	110505
1100833	110505
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1100836	110075
1100837	110075
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1100839	110075
1100841	110075
1100842	110075
1100843	110075
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1100871	110075
1100875	110075
1100878	110075
1100879	110075
1100880	110505
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1100891	110075
1100892	110075
1100893	110075
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1100906	110075
1100907	110075
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1100932	110075
1100933	110075
1100934	110505
1100939	110075
1100943	110075
1100944	110075
1100951	110075
1101104	112260
1101105	112260
1101155	110505
1101156	110508
1101157	110508
1101159	110505
1101192	110505
1101194	111713
1101203	110505
1101204	110952
1101205	111713
1101222	110505
1101228	110508
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1101268	110508
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1101279	110508
1101282	110505
1101288	112260
1101289	112260
1101303	110508
1101307	110508
1101333	110508
1101345	110508
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1101439	111713
1101440	111713
1101691	113598
1101692	113598
1101951	113142
1101967	113598
1101986	113142
1101996	113598
1101997	113598
1101998	113142
1102188	110505
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1102499	110505
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1102553	112260
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1102896	110505
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1103099	110505
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1103104	110505
1103109	110505
1103116	110505
1103118	110505
1103123	110952
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1103126	110505
1103127	110505
1103128	110505
1103130	110505
1103131	110505
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1103172	110505
1103173	110505
1103174	110505
1103175	110505
1103180	110508
1103183	110505
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1103189	110508
1103190	110325
1103196	110505
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1105043	110505
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1105045	110508
1105046	110508
1105047	110508
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1105049	110508
1105050	110505
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1105059	110508
1105060	110508
1105063	110325
1105066	110505
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1105069	110505
1105070	110505
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1105073	110504
1105074	110505
1105075	110508
1105076	110325
1105079	110505
1105080	110505
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1105083	110508
1105084	110508
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1105092	110508
1105098	110505
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1105163	110505
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1105166	110505
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1105170	110505
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1105173	110505
1105174	110505

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OE No.	HC-CARGO
1105175	110505
1105176	110505
1105177	110505
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1105181	110505
1105182	110508
1105183	110508
1105188	110505
1105193	110505
1105244	110505
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1105357	110505
1105361	110505
1105362	110505
1105363	110505
1105371	110508
1105372	110508
1105418	111713
1105419	110505
1105420	110505
1105421	110505
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1105423	110505
1105424	110505
1105425	110508
1105426	110508
1105427	110505
1105429	110505
1105434	110505
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1105470	112260
1105474	110300
1105475	110300
1105476	110300
1105494	110508
1105510	110952
1105511	110508
1105514	110505
1105516	110508
1105517	110508
1105520	110505
1105521	110508
1105522	110505
1105523	110508
1105535	111713
1105536	111713
1105537	110952
1105538	111713
1105539	111713
1105540	111713
1105555	110508
1105556	110505
1105558	110505
1105559	110505
1105560	111713
1105564	110508
1105573	110505
1105574	110505
1105576	110508
1105579	111713
1105580	110508
1105584	110505
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1105590	110508
1105591	110508
1105594	110508
1105597	110508
1105599	110508
1105600	110508
1105603	110508
1105607	110508
1105608	110508

OE No.	HC-CARGO
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1105619	110505
1105620	110508
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1105634	110508
1105635	110508
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1105647	110508
1105650	110508
1105652	110508
1105653	110508
1105673	110508
1105674	110508
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1105676	110508
1105686	110505
1105691	110508
1105692	110508
1105703	110508
1105704	110508
1105705	110508
1105706	110508
1105707	110508
1105708	110508
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1107209	110491
1107377	110468
1107378	110468
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1107567	110604
1107577	111221
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1107587	110604
1107599	111221
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1107681	111260
1107862	112660
1107863	111221
1107867	112660
1107871	111221
1108197	110468
1108421	110469
1108505	110491
1108511	111259
1108857	111000
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1109091	110468
1109093	110469
1109098	110491
1109222	110347
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1109430	111259
1109446	111260
1109494	110347
1109550	111041
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1109631	110347
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OE No.	HC-CARGO
1109638	110347
1109642	110347
1109643	110347
1109647	110347
1109649	110347
1109661	110347
1109702	111000
1109704	111000
1109723	111000
1109745	111000
1109755	110347
1109759	110347
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1109772	110347
1109773	110347
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1109973	110347
1109977	110347
1109978	110347
1109979	110347
1109986	110347
1109987	110347
1113248	112668
1113271	111221
1113272	113007
1113274	112268
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1113277	111760
1113278	111041
1113279	110604
1113280	110604
1113284	112668
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1113291	111760
1113294	111760
1113353	112243
1113370	112243
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1113402	111224
1113403	112243
1113436	112243
1113479	112243
1113481	112243
1113488	110436
1113494	112243
1113534	112243
1113535	112243

OE No.	HC-CARGO
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1113541	112243
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1113597	112268
1113640	111224
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1113645	112089
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1113651	111224
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1113656	111224
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1113676	111224
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O.E.M names and numbers are used for reference purposes only

REMY (DELCO) *continued*

OE No.	HC-CARGO
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1114987	111000
1114989	110999
1117069	110591

OE No.	HC-CARGO
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1117249	110591
1117256	110591
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1117613	112989
1117615	110801
1117618	112989
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1117650	110801
1117655	110801
1117891	112996
1117897	112160
1117898	112996
1117900	112160
1117915	112992
1117916	113432
1117924	113432
1117933	113432
1117941	112996
1117943	112996
1117948	113432
1117952	113432
1117961	112996
1118381	233624
1118779	233624
1118997	233624
1118999	233624
1119506	130505
1119507	130505
1119512	130505
1119515	130505
1119519	130505
1119576	233624
1831810	113728
1979857	110508
1979858	110508
1979859	110508
1990202	111000
1990204	110999
1990205	110436
1990219	110436
1990220	110436
1990221	110436
1990224	112089
1990229	110347
1990231	110347
1990235	110347
1990237	110347
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1990260	110347
1990262	110347
1990263	110347
1990264	110347
1990266	110347
1990268	110347
1990269	110347
1990270	110347
1990271	110347
1990272	110347
1990273	110347

OE No.	HC-CARGO
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1990276	110347
1990279	111000
1990281	110436
1990282	111000
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1990284	110347
1990290	110436
1990297	110999
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1990306	112089
1990309	111224
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1990318	111224
1990323	112089
1990324	110999
1990325	110436
1990326	111224
1990330	112243
1990332	112243
1990337	112089
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1990348	112089
1990349	112089
1990352	112089
1990353	110436
1990354	112089
1990356	110436
1990357	110999
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1990420	112089
1990422	111000
1990423	112089
1990424	112089
1990425	110436
1990429	110436

OE No.	HC-CARGO
1990432	110999
1990433	110999
1990437	111000
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1990443	110436
1990452	110436
1990453	110999
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1990466	110436
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1990470	112089
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1990475	112089
1990476	110436
1990477	112089
1990478	112089
1990480	110436
1990483	112089
1990485	111000
1990487	110436
1990490	112089
1990491	111000
1990492	110436
1990493	111000
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1990496	110436
1990497	110999
1990499	112256
1990703	110436
1990809	110999
1990838	111000
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1993705	111224
1993707	112243
1993712	111224
1993729	112243
1993732	112243
1993741	112256
1993754	111224
1993762	111224
1993767	113125
1993769	111224
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1993775	110436
1993783	110436
1993790	111224
1993795	110436
1993796	110999
1993797	110999
1993799	111224
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1993803	112089
1993804	110999
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1993807	112089
1993808	110999
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1993813	112089
1993814	110999
1993815	110999
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1993820	110436
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1993833	110999
1993840	110347
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1993854	113125
1993856	112089

OE No.	HC-CARGO
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1993886	111224
1993894	111224
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1993902	112243
1993903	112169
1993909	112243
1993910	112243
1993918	113695
1993924	111000
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1993937	110436
1993938	110436
1993939	110436
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1993943	110436
1993945	110999
1993954	112169
1993961	110436
1993977	112089
1993983	110436
1993986	112256
1993988	111224
1998266	110468
1998267	110468
1998269	110469
1998270	110469
1998274	110491
1998281	110469
1998305	111259
1998313	111260
1998334	110604
1998336	111041
1998338	110604
1998340	112268
1998350	112268
1998357	112268
1998373	112268
1998378	110604
1998383	111041
1998387	111041
1998394	110604
1998409	110604
1998468	112268
1998481	111041
1998484	112268
1998488	111760
1998519	113007
1998576	111049
2191166	111647
3471214	110972
3472050	110972
3472051	111168
3472052	110972
3472066	111168
3472067	110972
3472068	110972
3472208	111168
3493619	111168
3493719	111168
8600479	114271
10436058	110508
10455304	110469
10455340	110469
10455355	110469
10455513	112546
10455516	112546
10456414	110075
10456415	110075
10459007	110591
10459011	110591
10459020	112989
10459026	112160
10459037	112996
10459038	112996
10459040	112996
10459041	112996
10459050	113432
10459051	113432

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REMY (DELCO) *continued*

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10459159	112996
10459175	112996
10459178	112996
10459200	112989
10459210	112996
10459261	112160
10459306	112160
10459333	112160
10459353	114271
10459367	112996
10459498	112996
10459510	112996
10459547	112996
10461006	113125
10461011	113125
10461021	110436
10461024	111000
10461025	110999
10461030	111000
10461031	110999
10461032	110436
10461033	112089
10461034	110436
10461038	112089
10461039	111224
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10461043	111000
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10461046	110436
10461047	111000
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10461051	110436
10461052	112089
10461053	112089
10461054	111000
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10461067	112089
10461068	111000
10461075	112089
10461076	112089
10461077	112089
10461107	110999
10461114	112089
10461125	110347
10461126	112089
10461127	112089
10461128	111000
10461136	110999
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10461283	111760
10461303	111224
10461357	110999
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10461405	113695
10461444	113007
10461446	111041
10461447	111041
10461448	110604
10461449	110604
10461463	112268
10461465	111760
10461466	113452
10461468	111760
10461469	111760
10461483	112668
10461486	111760
10461533	110999
10461645	113429
10463072	112260
10463160	110300
10463655	110508
10465044	111041
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10465047	110604
10465048	110604
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10465406	111041
10465537	113429
10465540	113725
10478803	110436
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10479930	111713
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10495429	110508
10497083	111713
10497177	112260
10497425	110508
19010000	110591
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19010008	110591
19010024	110591
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19010108	112160
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19010116	112996
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19010147	112996
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19010195	112160
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19010207	112996
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19020346	112160
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19020383	112160
19020391	112160
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19024010	110206
19024013	110207
19024015	110208
19024016	110208
19024024	110512
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19024027	111249
19024030	110534
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19024071	110531
19024099	110208
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19024109	110206
19024201	110520
19024202	110522
19024205	110525
19024223	110525
19024224	110536
19024226	110523
19024230	110529
19024231	110521
19024232	110518
19024234	110523
19024235	110536
19024238	110530
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19024250	111001
19024252	110536
19024253	110522
19024255	110814
19024256	110518
19024257	111752
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19024273	110521
19024550	110512
19024553	110207
19024554	111249
19024555	110208
19024556	110512
19024561	110537
19024562	110537
19024565	111217
19024566	111217
19024576	110208
19024578	110601
19024813	110523
19024815	110551
19024817	110565
19024821	110819
19024824	110536
19025037	110611
19025042	111180
19025044	112097
19025046	110890
19025049	110912
19025051	111035
19025056	110912
19025057	112097
19025060	111686
19025063	111180
19025067	110912
19025075	110043
19025330	111833
19025600	110060
19025602	110061
19025787	111035
19025789	111035
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321-1015	110508
321-603	112260
321-654	110300
321-655	110591
321-660	110801
321-665	110801
321-666	112989
321-667	111713
321-687	112996
321-688	113432
321-697	110591
323-829	110436
323-830	110436
323-840	113125
323-855	110436
323-871	112089
D631	130505
D632	130505
D634	130505
D635	130505
D6353	130505
D646	233624
D663	130505
DRA0071	110483
DRA0072	110484
DRA0110	111649
DRA0120	110899
DRA0120	111035
DRA0120	111180
DRA0130	110641
DRA0140	110641
DRA0140	111662
DRA0150	112098
DRA0160	112098
DRA0170	112098
DRA0186	113742
DRA0190	111141
DRA0262	113529
DRA0263	113961
DRA0264	113763
DRA0329	110801
DRA0334	110801
DRA0337	114218
DRA0347	113856
DRA0408	112492
DRA0610	110360
DRA0700	112310
DRA0710	110975
DRA0730	112310
DRA0740	110360
DRA0750	112098
DRA0760	111289
DRA0770	110969
DRA0770	111184
DRA0770	111289
DRA0780	110969
DRA0780	111289
DRA0790	110968
DRA0790	111289
DRA0790	113574
DRA0800	110179
DRA0830	112098
DRA0834	114379
DRA0850	110077
DRA0900	110972
DRA0900	111168
DRA0920	110972

OE No.	HC-CARGO
DRA0920	111168
DRA0923	111168
DRA0930	110972
DRA0930	111168
DRA0933	111168
DRA0940	111035
DRA0970	110890
DRA0970	111686
DRA0980	110890
DRA0980	110912
DRA1030	110975
DRA1050	110178
DRA1050	111289
DRA1060	110975
DRA1080	110968
DRA1100	110360
DRA1250	110043
DRA1251	110043
DRA1260	110766
DRA1262	110766
DRA1270	112098
DRA1272	112098
DRA1300	111141
DRA1320	110117
DRA1320	110766
DRA1330	112736
DRA1340	112097
DRA1350	111289
DRA1350	111362
DRA1360	110971
DRA1360	112098
DRA1380	110178
DRA1380	110968
DRA1380	111185
DRA1380	111289
DRA1410	112768
DRA1440	110875
DRA1450	110761
DRA1470	110360
DRA1500	110975
DRA1671	110975
DRA1680	110178
DRA1680	110179
DRA1680	110969
DRA1680	111184
DRA1691	110178
DRA1691	110179
DRA1691	111185
DRA1691	111204
DRA2101	110611
DRA2111	112097
DRA2121	110890
DRA2301	111289
DRA2341	111035
DRA2710	112742
DRA2930	110881
DRA2940	110881
DRA2960	110881
DRA3013	110178
DRA3013	110968
DRA3013	111289
DRA3013	113474
DRA3015	111184
DRA3015	111185
DRA3015	111289
DRA3028	110969
DRA3070	113469
DRA3090	113611
DRA3127	110445
DRA3128	111215
DRA3220	111289
DRA3250	111035
DRA3250N	111035
DRA3274	111289
DRA3274	111356
DRA3284	111620
DRA3286	112238
DRA3287	112238
DRA3289	111363

OE No.	HC-CARGO
DRA3294	110770
DRA3294	110968
DRA3294	111355
DRA3294	112238
DRA3294	112722
DRA3310	110968
DRA3310	111289
DRA3320	110105
DRA3330	110766
DRA3386	110448
DRA3433	112718
DRA3433N	112718
DRA3434	111740
DRA3435	111185
DRA3435	111204
DRA3443	111042
DRA3445	113632
DRA3453	110620
DRA3458	110970
DRA3458	111948
DRA3459	110107
DRA3463	111948
DRA3464	110770
DRA3530	113611
DRA3540	110766
DRA3546	111184
DRA3547	110968
DRA3548	111184
DRA3549	111948
DRA3554	110968
DRA3556	110178
DRA3556	110968
DRA3559	110969
DRA3563	111184
DRA3575	110179
DRA3575	110969
DRA3576	110482
DRA3654	110968
DRA3654	111204
DRA3667	112722
DRA3677	113763
DRA3686	112194
DRA3786	111296
DRA3830	110770
DRA3830	111289
DRA3830	111356
DRA3836	112718
DRA3837	111740
DRA3840	111528
DRA3841	113477
DRA3880	110882
DRA3880	112768
DRA3890	110912
DRA3890	112768
DRA3940	113574
DRA4059	111716
DRA4063	111940
DRA4180	110107
DRA4200	111289
DRA4209	110107
DRA4209	111948
DRA4213	113949
DRA4260	111141
DRA4420	111419
DRA4430	112747
DRA4940	113611
DRA5630	111686
DRA5760	110882
DRA6010	110770
DRA6010	111289
DRA6010	111362
DRA6020	111289
DRA6060	111356
DRA6110	111289
DRA6230	112768
DRA6641	110620
DRA6651	111035
DRA6750	111620
DRA6750	111686

OE No.	HC-CARGO
DRA6800	113632
DRA6820	112529
DRA6930	110360
DRA7271	110620
DRA7271	111048
DRA7340	112194
DRA7380	112194
DRA7450	110105
DRA7450	113632
DRA7890	110881
DRA7990	112194
DRA8160	111369
DRA8170	112529
DRA8290	111833
DRA8351	112113
DRA9711	110968
DRA9800	112098
DRA9810	113531
DRB0280	111843
DRB0290	111888
DRB1060	112196
DRB1640	111833
DRB1840	112046
DRB1940	112097
DRB3130	112196
DRB6000	112529
DRB6030	112062
DRS0008	111087
DRS0024	110813
DRS0025	110522
DRS0067	112442
DRS0152	113478
DRS0202	112177
DRS0259	110436
DRS0267	114002
DRS0271	113532
DRS0640	110868
DRS0950	110461
DRS0950N	110461
DRS0960	110536
DRS0980	110520
DRS0990	110536
DRS1000	110775
DRS1020	111332
DRS1060	110520
DRS1060	110536
DRS1060	110615
DRS1060	110814
DRS1060	111737
DRS1130	111752
DRS1140	110536
DRS1140	112660
DRS1143	110536
DRS1150	110439
DRS1160	110517
DRS1180	113467
DRS1190	112249
DRS1200	110439
DRS1200	110536
DRS1210	111332
DRS1220	110529
DRS1220	110640
DRS1240	110525
DRS1240	113482
DRS1270	110523
DRS1280	112132
DRS1310	110517
DRS1310	110521
DRS1321	110521
DRS1330	110518
DRS1330	110520
DRS1351	110520
DRS1370N	112132
DRS1400	110537
DRS1410	110512
DRS1420	110512
DRS1440	110531
DRS1450	110207
DRS1460	110534

OE No.	HC-CARGO
DRS1490	110206
DRS1490	110210
DRS1510	110210
DRS1530	110537
DRS1540	110537
DRS1550	110512
DRS1550	110601
DRS1570	110206
DRS1951	110521
DRS1981	110421
DRS2420	111755
DRS2670	110529
DRS2670	110813
DRS2670	113381
DRS2680	112135
DRS2710	110530
DRS2720	110522
DRS2740	110208
DRS2831	110182
DRS2881	110421
DRS2970	110531
DRS2990	110530
DRS3068	111103
DRS3100	110844
DRS3133	110940
DRS3144	111683
DRS3196	110462
DRS3197	110462
DRS3218	110412
DRS3224	110421
DRS3225	110245
DRS3228	110940
DRS3229	110447
DRS3233	110356
DRS3245	111683
DRS3260	110208
DRS3264	110818
DRS3264	111499
DRS3286	110439
DRS3287	110460
DRS3287	110565
DRS3287	111346
DRS3289	110615
DRS3294	110449
DRS3294	111024
DRS3320	110539
DRS3325	110530
DRS3326	111001
DRS3327	111098
DRS3333	110462
DRS3336	110443
DRS3337	112136
DRS3396	110438
DRS3405	110640
DRS3405	113381
DRS3425	110464
DRS3426	111574
DRS3427	110819
DRS3428	110462
DRS3430	110213
DRS3447	110460
DRS3456	111573
DRS3458	110817
DRS3463	110460
DRS3480	110525
DRS3518	111760
DRS3620	110522
DRS3627	111103
DRS3680	110536
DRS3688	111300
DRS3690	110545
DRS3696	111332
DRS3703	110552
DRS3730	110206
DRS3789	110461
DRS3796	110442
DRS3818	112442
DRS3850	110640
DRS3947	111885

AGRICULTURAL MACHINERY

O.E.M names and numbers are used for reference purposes only

OE No.	HC-CARGO
REMY (DELCO) *continued*	
DRS3954	114388
DRS4730	111755
DRS4740	111755
DRS4780	110512
DRS4850	113482
DRS4890	112172
DRS4900	111911
DRS4910	110206
DRS4910	110207
DRS5040	112660
DRS5420	112041
DRS6520	110210
DRS6550	112555
DRS7110	111911
DRS7280	111752
DRS7290	112135
DRS7310	112039
DRS7430	111855
DRS7510	112074
DRS8110	111015
DRS9000	110206
DRS9020	112071
DRS9020	112555
DRS9040	111015
DRZ0100	110325
DRZ0100	110504
DRZ0100	110505
DRZ0102	110075
DRZ0104	110170
DRZ0111	112260
DRZ0115	110300
DRZ0116	110325
DRZ0118	110427
DRZ0129	110504
DRZ0129	110505
DRZ0130	110505
DRZ0131	110505
DRZ0131	110508
DRZ0132	110591
DRZ0142	110801
DRZ0143	110952
DRZ0182	110508
DRZ0191	112996
DRZ0208	110504
DRZ0208	110505
DRZ0209	110801
DRZ0210	110801
DRZ5104	110347
DRZ5104	110999
DRZ5104	111000
DRZ5105	111000
DRZ5111	110347
DRZ5115	110347
DRZ5115	110999
DRZ5115	111000
DRZ5117	110604
DRZ5119	110347
DRZ5119	110999
DRZ5122	110468
DRZ5123	110469
DRZ5128	110491
DRZ5133	111221
DRZ5144	110347
DRZ5166	110999
DRZ5167	111000
DRZ5168	111760
DRZ5175	110436
DRZ5175	112089
DRZ5188	113695
DRZ5189	110347
RENAULT	
0855787900	112039
5000049122	110210
5000080750	110512
5000241777	110210
5000270909	110208
5000592182	110512
5000785941	110043
5000789048	110512
5000808251	110512
5000811448	110347
5000822346	110206
5001000061	110206
5001014166	112113
5001014203	110512
5001014215	110512
5001833946	112113
5010050717	112113
5010142367	112113
5010142768	112113
5010149022	112113
5010217215	110207
5010235982	112113
6000100325	110641
6000102270	110536
6000102394	110536
6000130300	110641
6005001146	110536
6005003145	110178
6005003149	110641
6005003152	111332
6005003153	111332
6005003154	110565
6005003155	110536
6005003156	110536
6005003763	110641
6005007548	110819
6005007750	110178
6005011729	111332
6005012976	111755
6005016395	110536
6005700082	110819
6005700083	110178
6005700084	110641
6005701121	111289
6005701125	111332
7700004148	110641
7700010614	110178
7700012723	110641
7700017032	110178
7700026780	111332
7700045291	112442
7700046893	111332
7700047132	113532
7700061622	113532
7700066115	113532
7700068173	114050
7700072251	113532
7700501670	111332
7700519797	111332
7700525064	111332
7700525547	111332
7700590793	160316
7700627394	111332
7700665435	110641
7701013039	110551
7701015006	110766
7701028780	110819
7701028801	110178
7701030289	110819
7701044974	080940
7701045695	080942
7701045786	080994
ROMANIA (E/P)	
2130	110640
DM1130	110639
DM1132	110639
DM2120	110640
DM2130	110640
DM2134	110640
DM2138	110529
DM91134	110639
ROVER GROUP	
GEU2255	111356
GNU2393	112238
YLE10011	110770
YLE10025	112238
YLE10065	112722
YLE10066	110770
YLE10067	111355
YLE10099	113763
YLE10118	113763
YLE101560	112238
YLE101570	111355
YLE101580	111355
YLE101640	111289
SAW	
10.115-171	171167
10.115-411	170851
10.185-021	171168
10.190-011	170857
14.115-011	170865
14.129-011	170867
20.017-001	171171
20.017-041	171173
20.017-181	171175
20.022-001	171178
20.022-011	171179
20.022-021	171180
20.024-001	170875
20.026-001	171181
20.026-021	171182
20.026-031	171183
20.104-031	170880
20.104-041	170881
20.196-001	170884
20.196-021	170885
20.196-031	170886
20.196-041	170887
21.008-041	171191
21.010-041	171192
21.010-051	171193
21.010-101	171194
21.010-111	171195
21.010-121	171328
21.010-131	171329
21.017-121	171196
21.026-011	171197
21.093-021	171202
21.111-001	171203
21.111-011	171204
21.131-001	170943
21.199-001	171213
21.199-011	171214
22.026-171	171215
22.028-091	170925
22.093-041	171216
22.111-001	171217
22.111-011	171218
22.111-041	171217
22.130-001	171006
22.131-011	170927
23.030-051	170928
23.033-001	170929
23.056-011	170930
23.093-001	171219
23.191-001	171220
24.030-051	170932
24.033-001	170934
24.033-031	171222
24.056-001	170935
24.056-011	170935
25.011-021	171224
25.012-011	170936
25.087-001	171225
80.091-001	171228
80.143-021	171233
90.008-101	171236
90.010-031	171237
90.010-051	171237
90.017-081	171242
90.093-011	171253
90.104-001	170975
90.104-011	170976
90.111-001	171258
90.111-011	171259
90.131-001	170989
90.131-081	170944
90.199-001	171264
90.199-011	171265
95.009-061	171266
95009-061	171266
SCANIA	
279698	110043
279699	110043
326353	110043
571500	110043
571501	110043
571503	110043
4395612	070203
SEAT ↦ VOLKSWAGEN	
SIEMENS	
5WK1636	160297
5WK1640	160297
PM3511	160250
SJCE	
3M0110/10	111645
3PN0001	112339
3PN0001/3	111646
MO101/10	111645
PN0001	112339
PN001/3	111646
SPAL	
005-A45-02	160510
006-A46-22	160647
006-A54-22	160511
006-B40-22	160557
006-B40-22/4	160878
006-B50-22	160512
008-A100-93D	160593
008-A45-02	160483
008-B45-02	160649
009-A22-26D	160592
009-A70-74D	160592
009-B40-22	160594
010-A70-74D	160639
010-B70-74D	160596
VA01-BP70/LL-36A	160584
VA01-BP70/LL-36S	160908
VA04-AP70/LL-37A	160885
VA04-AP70/LL-37S	160912
VA07-AP12/C-31A	160537
VA07-AP12/C-58A	160537
VA07-AP12/C-58S	160910
VA07-AP7/C-31A	160537
VA07-AP8/C-58A	160537
VA07-BP12/C-58A	160799
VA07-BP12/C-58S	160597
VA07-BP7/C-31A	160906
VA07-BP7/C-31S	160588
VA08-AP51/C-23A	160914
VA08-AP51/C-23S	160915
VA08-BP51/C-23A	160909
VA09-AP12/C-27A	160598
VA09-AP12/C-27S	160601
VA09-AP12/C-54S	160601
VA09-AP8/C-27A	160598
VA09-AP8/C-27S	160601
VA09-BP12/C-27A	160599
VA09-BP12/C-27S	160600
VA09-BP12/C-54A	160599
VA09-BP12/C-54S	160600
VA09-BP50/C-27A	160599
VA09-BP50/C-27S	160600
VA09-BP8/C-27A	160599
VA09-BP8/C-27S	160600

O.E.M names and numbers are used for reference purposes only

OE No.	HC-CARGO
VA10-AP10/C-61A	160538
VA10-AP10/C-61S	160536
VA10-AP9/C-25A	160538
VA10-AP9/C-25S	160536
VA10-BP10/C-61A	160584
VA10-BP50/C-25A	160584
VA10-BP50/C-61S	160737
VA10-BP9/C-25A	160584
VA11-AP7/C-29A	160539
VA11-AP7/C-57A	160539
VA11-AP7/C-57S	160911
VA11-AP8/C-57A	160539
VA11-BP12/C-57A	160587
VA11-BP12/C-57S	160714
VA11-BP7/C-29A	160587
VA15-BP70/LL-39A	160907
VA18-BP10/C-41S	160595
VA18-BP51/C-41S	160595
VA18-BP70/LL-41A	160777
VA18-BP70/LL-41S	160595
VA18-BP70/LL-86A	160777
VA18-BP70/LL-86S	160595
VA34-AP70/LL-36A	160739
VA34-AP70/LL-36S	160913
VA34-BP70/LL-36S	160619

SKODA ↳ VOLKSWAGEN

SSANG YONG

OE No.	HC-CARGO
0091543002	112529

STANADYNE

OE No.	HC-CARGO
ST26214	080873
ST26387	080926

STEYRE ↳ MERCEDES BENZ

STRIBEL

OE No.	HC-CARGO
898211	160466
899626	160337
899627	160308
899628	160308
899744	160308
899747	160337
899784	160337
899798	160337
899839	160337
899932	160394
899957	160394

SUZUKI

OE No.	HC-CARGO
163547	160311
15100-85501	070213
31100-73010	110421
31100-73030	110421
31100-73071	110421
31100-73090	110421
38610-85C00	160315

SWF

OE No.	HC-CARGO
402227	160031
402229	160033
402230	160032
402231	160034
611012	160316
611013	160317
611100	160242
611101	160244
611102	160243
611107	160305
611108	160305
611111	160315
611112	160315
611114	160262
611115	160199
611116	160315

SYNCHRO-START

OE No.	HC-CARGO
150212C3U1B1S1A	090160
150212C7U2B2S7	090224
150224C3U1B1S2A	090161
1502ES12C3U1B2S1	090109
1502ES24C3U1B2S2	090110
1503ES-12A5SUC9SCC28	090268
1503ES-12A5SUC9SCG28	090268
1503ES12A5UC5S	090216
1503ES12A5UC9S	090373
1503ES12S5UC5S	090228
1503ES24A5UC5S	090402
175124A2U1BS1A	090297
200112E3U1B2S2	090168
200124E3U1B2S2	090169
2001ES12E3U1B2S2	090111
2001ES24E3U1B2S2	090113
SA3405T	090224
SA-3742-12	090095
SA-3742-24	090099
SA-3765-12	090097
SA-3765-24	090101
SA-3776T	090216
SA-3799-12	090096
SA-3799-24	090100
SA-3800-12	090098
SA-3800-24	090102
SA-3991-12	090334
SA-3999-12	090104
SA-3999-24	090106
SA-4014-12	090103
SA-4014-24	090105
SA-4026-12	090107
SA-4026-24	090108
SA-4180-12	090199
SA-4182-24	090200
SA-4228	090226
SA-4561T	090373
SA-4562T	090228
SA-4564-12	090206
SA-4567T	090402
SA-4569-T	090216
SA4646-24	090267
SA-4668-S	090268
SA-4744-12	090368
SA-4817-12	090206
SA-4850	090228
SA-4899-12	090370
SA-4899-24	090371
SA-4920-12	090206
SA-4921	090228
SA-4934-12	090225
SA-5019	090268
SA-5157	090268
SA-5171	090160
SA-5174-12	090111
SA-5174-24	090113

SAAB

OE No.	HC-CARGO
4069985	160791
4395612	070203
8512311	113474
8530446	113474
8545543	113474
8553463	160749
8593477	160197
9506379	160197

TARASOV WORKS

OE No.	HC-CARGO
24.3708	111350

TECUMSEH

OE No.	HC-CARGO
32468	112564
33432	234120
33835	112313
33844	234121
35765	112564
334323	234120
32468A	112564
32468B	112564
34949A	234122
35765A	112564

THERMO KING

OE No.	HC-CARGO
25-35458-00	110246
25-35465-00	110246
3041C58G01	112249
44-5674	111683
45-220	112249
45-267	112249
45-338	112249
45-5657	111683
46-2663	112249

TOYOTA

OE No.	HC-CARGO
27060-78001-71	110620
27060-96001	110620
28100-12012	110421
28100-12030	110421
28100-12040	110421
28100-22010	110421
28100-22011	110421
28100-22012	110421
28100-22020	110421
28100-22021	110421
28100-22022	110421
28100-87803	113208
90987-02001	160480
90987-02004	160480
90999-99089	160480

TRANSPO

OE No.	HC-CARGO
BR1546	234170
BR3219	234167
BR4890	230149
BR7809	234171
D13702	130505
D9212	130505
D9212-1	130505
D9212-1-B32	130505
D9212S	130505
D9212S-1	130505
IB390	130032
IL1292	130883
IL1292	130884
IL2210	130041
IL2214	130040
RE006	191752
RE007	191026
RE20N24A	160307
RE20N24D	160215
RE30N12A	160282
RE30N12B	160265
RE30N12C	160083
VR13915	233624

TYCO

OE No.	HC-CARGO
925176	170799
0-1414168-0	160394
925306-2	170619

UNIPOINT

OE No.	HC-CARGO
ALT-1024	110504
ALT-2122	112170
ALT-4028A	114360
ALT-4036	110497
ALT-4040	111686
ALT-4041	112097
ALT-5024	113401
ALT-5300	111048
ALT-5302	111048
ALT-5303	111048
ALT-5304	111048
ALT-5305	110620
ALT-5306	110620
ALT-T145	111833
ALT-T158	114365
P-06212	135403
P-06512	135404
SNLS-001	231527
SNLS-001A	231527
SNLS-002	231526
SNLS-004	231525
SNLS-005	234071
SNLS-006	234072
SNLS-007	234073
STR-1002	110635
STR-1006	112242
STR-1053	110510
STR-1058	111012
STR-1070	110949
STR-23801	114437
STR-2382	110208
STR-2387	110512
STR-3803	113680
STR-4207	112089
STR-4209	112089
STR-4340	113695
STR-4341	112169
STR-5001	111683
STR-6090	113725
STR-7007	111300
STR-7072	111221
STR-7158	111760
STR-8018	110182
STR-8110	110447
STR-8111	110940
STR-8276	112546
STR-B015	111855
WB-1011S	160628
WB-1013S	160633
WB-1014S	160635
WB-1015S	160638
WB-1016S	160641
WB-1017S	160643
WB-1018S	160645
WB-1019S	160648
WB-1020S	160650
WB-1021S	160653
WB-1022S	160655
WB-1024S	160661
WB-1816S	160741
WB-1818S	160745
WB-1819S	160748
WB-1820S	160750
WB-1821S	160753
WB-1822S	160755
WB-1824S	160761
WB-1826S	160766
WB-1828S	160771

UNITED TECHNOLOGIES

OE No.	HC-CARGO
0599440	110510
1146340	110510
1250740	110510
1574540	111701
1653340	110510
1770540	110949
1801940	135400
4509809	110510
5174740	112546
5665940	111701
5666140	110510
5666740	111701
7017540	135400
0255740DV30SM	135403
0599440-M030SM	110510
0815440DV30SM	135402
1146340-M030SM	110510
1250740-M030SM	110510
1570140MO30SM	110510
1574440M030SM	110510
1574540MO30SM	111701
1635323-M030SM	110510
1635340-M030SM	110510

O.E.M names and numbers are used for reference purposes only

OE No.	HC-CARGO
UNITED TECHNOLOGIES *continued*	
1637540DV30SM	135401
177054030SM	110949
1801940DV30SM	135400
1819040MO30SM	110949
1819140M030SM	112568
1820040DV30SM	135408
2034640DV30SM	135404
2134940MO30SM	112831
4367240MO30SM	113015
4379040MO30SM	113015
4419240DV30SM	135406
4509809S030SM	110510
4733040M030SM	114075
4733040MO30SM	111012
4733840DV30SM	135409
4787140DV30SM	135402
5213140MO30SM	110949
5213240MO30SM	112831
5239740MO30SM	112150
5278440MO30SM	112150
5665920MO30SM	111701
5665940MO30SM	111701
5666120MO03SM	110510
5666120MO30SM	110510
5666140MO30SM	110510
5666220MO30SM	110949
5666240MO30SM	110949
5666320MO30SM	112568
5666340MO30SM	112568
5666420MO03SM	112831
5666440MO30SM	112831
5666620MO30SM	111012
5666640MO30SM	111012
56666420MO30SM	112831
5666740MO30SM	111701
5667040MO30SM	112150
5667140MO30SM	113017
5695340KT30SM	135409
5695KT30SM	135409
6024140GE30SM	230399
6727040MO30SM	113017
6734620MO30SM	112150
7010440DV30SM	135402
7017540DV30SM	135400
9G4338	110999
DV02557	135403
DV08154	135402
DV16375	135401
DV18019	135400
DV18200	135408
DV20346	135404
DV44192	135406
DV47338	135409
DV47871	135402
DV551067	135409
DV551067A	135409
DV551067AS	135409
DV551068A	135411
DV551092A	135410
DV551092AS	135410
DV70104	135402
DV70175	135400
SM05994	110510
SM11463	110510
SM12507	110510
SM15701	110510
SM15745	111701
SM16353	110510
SM17705	110949
SM18190	110949
SM18191	112568
SM21349	112831
SM43672	113015
SM43790	113015
SM47330	111012
SM50497	110510
SM52132	112831
SM52397	112150
SM52784	112150
SM56659	111701
SM56661	110510
SM56662	110949
SM56663	112568
SM56664	112831
SM56666	111012
SM56670	112150
SME12A11	110510
SME12A8	110510
SMH12A102	110510
SMH12A2	110510
SMH12A201	110510
SMH12A202	110510
SMH12A4	110510
SMH12C1	111701
UNIVERSAL	
090109	090109
090110	090110
090111	090111
090113	090113
090115	090115
090116	090116
090160	090160
090161	090161
090168	090168
090169	090169
090199	090199
090200	090200
090210	090210
090224	090224
090226	090226
090297	090297
090317	090317
090318	090318
090348	090348
090370	090370
090371	090371
231525	231525
231526	231526
231527	231527
234070	234070
234071	234071
234072	234072
234073	234073
VALEO	
03283	160337
03501	160358
03523	160337
03601	160282
03608	160311
076571	110512
102052	112113
168590	171098
180620	113477
187031	113478
432567	110819
432569	111332
432570	110819
432571	110819
432572	111332
432825	111289
432836	111289
432868	111686
432973	110178
432984	111948
432989	112098
433115	111035
433117	110912
433118	111035
433292	110461
433293	110530
433295	110775
433311	110640
433314	111332
433315	111332
433316	110565
433318	110536
433359	110179
433404	110975
433476	110641
433485	110179
433485	110969
433485	111184
433486	112238
434005	110766
434016	111833
434017	112046
434027	111833
436010	110868
436037	110814
436041	110844
436044	110522
436070	111755
436072	110442
436072	112660
436073	110529
436073	110813
436074	110529
436074	110813
436075	112135
436076	110818
436077	110536
436077	111752
436100	110975
436105	110882
436105	110890
436105	111686
436109	110899
436109	111180
436111	110890
436111	110912
436112	110611
436112	110882
436112	110890
436112	110912
436112	112768
436113	110611
436113	110912
436113	111035
436113	112768
436114	111035
436117	111035
436121	110875
436121	112098
436127	110875
436127	111649
436127	112098
436130	112310
436137	110975
436140	110178
436140	110968
436140	111185
436140	111204
436144	110968
436144	111184
436144	111185
436145	111289
436148	110972
436148	111168
436153	110077
436160	111168
436161	110972
436161	111168
436166	110178
436166	110179
436166	110969
436166	111289
436167	110178
436167	110179
436167	110968
436167	111184
436167	111185
436167	111204
436167	111289
436169	110179
436169	111184
436169	111185
436169	111289
436175	110178
436179	110178
436179	110770
436179	111289
436179	111362
436180	111289
436181	110968
436181	111289
436181	111362
436189	110975
436194	110360
436208	110975
436211	113611
436215	110360
436235	110882
436236	111035
436237	110882
436237	110890
436237	111686
436239	111620
436239	111686
436241	110912
436241	111620
436243	111620
436263	110970
436263	111948
436264	110107
436264	111649
436264	111948
436265	110641
436266	111662
436266	112098
436267	110105
436267	111649
436269	111662
436269	112098
436272	112736
436273	111355
436287	110971
436294	110107
436297	111686
436351	112113
436355	110043
436376	112183
436414	112098
436416	111419
436416	112097
436417	111419
436418	112747
436419	110766
436420	110117
436420	110766
436424	110761
436425	111141
436426	111141
436427	110761
436430	111141
436436	110043
436437	113477
436438	111528
436438	113477
436450	112529
436451	111369
436455	110043
436479	111948
436497	111048
436531	110969
436567	112742
436578	111141
436585	113611
436586	110882
436663	112113
436667	111369
436687	111289
436687	111362
436692	110770
436695	113474

OE No.	HC-CARGO
436699	111356
436707	112113
436715	111940
436716	111716
436717	111940
436718	112529
436726	110972
437125	111369
437126	112529
437379	111362
437381	111289
437499	112529
437587	112529
437675	112194
437701	112196
437813	111620
437849	112194
438035	110206
438041	110210
438042	110213
439095	111369
439098	111716
439099	111940
439244	111369
439245	112529
439530	112529
439555	112194
440134	112097
455504	110512
455505	110512
455507	113269
455516	110523
455517	110517
455517	110521
455518	110518
455520	110517
455521	110520
455523	110213
455527	110525
455530	110206
455530	110210
455531	110206
455536	110520
455539	110207
455540	110207
455615	110512
455621	110525
455623	110206
455634	111015
455669	110522
455671	111911
455677	112172
455735	113478
455925	111683
455926	110512
458209	110206
458340	110208
458460	111911
510391	112097
510426	110766
523158	111141
523159	111141
592601	113477
592786	112113
594085	111015
726032	111911
2180620	111528
2181761	112113
2181762	112113
2181991	113477
2325158	111141
2518051	111948
2523162	110766
2523234	110178
2541130	111948
2541131	111948
2541133	112183
2541148	111948
2541168	113477

OE No.	HC-CARGO
2541233	110912
2541234	110912
2541235	111035
2541236	111035
2541290	111355
2541341	111168
2541400	111355
2541403	112113
2541423	111419
2541659	112183
2541712	111940
2541713	111716
2541714	111940
2541775	112529
2541776	111369
2541778	112113
2541838	112529
2541839	111369
2541911	111369
2541919	112529
2541920	111369
2541959	112529
2541960	111369
2541992	111369
2565994	111686
2565995	111686
2926300	111362
2927070	111289
2927990	110077
2928610	111948
2929510	111686
2929780	111289
2939520	112097
2940772	111948
2940981	111289
2950220	111289
2950500	110890
2950700	111948
2960120	110117
2960150	110766
29409930	110178
2105473B	111528
21EA00050	111647
2541775A	112529
2541775B	112529
2541776B	111369
2541838A	112529
2541839A	111369
534054D	110484
9AR2566	111948
9AR2699	110968
9AR2725	110107
9AR2786	111948
A13E23	110912
A13E25	111035
A13E26	111035
A13N165	112183
A13N214	111168
A13N255	112183
A13N274	111940
A13N275	111716
A13N276	111940
A13R182	110801
A13R214	110043
A13VI100	111369
A13VI134	112529
A13VI135	111369
A13VI169	111369
A13VI170	111369
A13VI175	112529
A13VI176	111369
A13VI197	112529
A13VI198	111369
A13VI220	111369
A13VI243	113961
A13VI99	112529
A14N100	113477
A14N100M	113477
A14N110	112113

OE No.	HC-CARGO
A14N110M	112113
A14N112M	113477
A14N114	112113
A14N114T	112113
A14N115M	112113
A14N116M	112113
A14N119M	113477
A14N137M	113477
A14N177M	112113
A14N196M	112113
A14N198M	112113
A14N30M	112113
A14N47M	113477
A14N81M	113477
D11E118	113269
D11E120	111332
D11E131	111332
D11E137	110565
D11E141	110439
D11E146	113269
D11E154	110565
D11E155	110439
D11E158	111332
D11E15H	110565
D11E35	110818
D11E59	110818
D11E84	110439
D13E63	110512
D13E63T	110512
D13E69	110512
D13E69T	110512
D13E81	110512
D13E81T	110512
D6RA22	111015
D6RA52	111015
D7R14	113478
M40237	110245
MG117559	110245
MG120559	110245
NA014	110969
NA028	111362
NA036	111289
NA058	111948
NA065	111185
NA066	113574
NA118	111948
NA128	110360
NA135	112097
NA181	112097
NA214	110912
NA216	111686
NA284	111180
NA363	113477
NA380	111035
NA386	111419
NA426	112113
NA444	112529
NA445	111369
NA504	111369
NA510	112113
NA511	111141
ND079	110439
ND140	111015
TA000A58101	114219
TM000A07101	110245
VA100	110178
VA100	110968
VA100	111185
VA101	110179
VA101	110969
VA102	110178
VA102	110770
VA102	110968
VA102	111185
VA102	111289
VA102	111362
VA103	110969
VA103	111289
VA104	110770

OE No.	HC-CARGO
VA104	110968
VA104	111289
VA104	111362
VA104	113574
VA105	110968
VA105	111185
VA106	110770
VA106	111362
VA107	110179
VA107	110969
VA107	111184
VA110	110770
VA111	110178
VA111	110179
VA111	110968
VA111	111184
VA111	111185
VA111	111204
VA111	111289
VA112	110178
VA112	111185
VA112	111289
VA115	110972
VA115	111168
VA116	110972
VA116	111168
VA117	110360
VA119	111289
VA121	110179
VA121	110969
VA122	113474
VA123	110360
VA128	110975
VA132	110890
VA132	110968
VA135	112238
VA138	112310
VA140	111355
VA140	112238
VA147	111948
VA151	110360
VA155	110975
VA155	112098
VA159	110972
VA159	111168
VA162	110890
VA165	110969
VA166	111035
VA172	110971
VA174	110968
VA174	111204
VA175	110178
VA175	110179
VA175	110969
VA175	111184
VA175	111289
VA182	111362
VA186	110975
VA191	111289
VA196	111180
VA199	111289
VA200	110077
VA203	111035
VA207	110890
VA212	111289
VA246	110968
VA248	111362
VA274	110975
VA300	111620
VA300	111686
VA301	110611
VA301	110882
VA301	110890
VA301	110912
VA301	111620
VA301	112768
VA306	110882
VA309	111356
VA381	110107

O.E.M names and numbers are used for reference purposes only

OE No.	HC-CARGO
VALEO *continued*	
VA391	111369
VA392	112529
VA98	110178
VA99	110179
VA99	110969
VS109	111103
VS128	110461
VS141	110868
VS173	110844
VS173	113269
VS177	110868
VS194	110512
VS201	113574
VS224	110421
VS249	111911
VS251	110522
VS302	110814
W962011T	160511
VALMET	
83646400	113901
83646500	113570
835330965	113484
836640927	112556
836640940	114254
836662073	114254
836666039	113610
836666226	113610
836666721	113610
836673290	113570
836873290	113570
VDO	
246001	160197
246.042	160197
246075	160197
246083002006G	160381
246083002014G	160382
VEMO	
V10-08-0207	160682
VETUS	
31A68-00400	112492
31A68-00401	112492
31A68-00402	112492
VM	
3.553.2054F	114055
3.553.2063F	114055
3.852.2236F	110890
VOLKSWAGEN	
036903023	110360
052903015	110360
052903017	110360
052903023	110360
055903023	110360
068903025	110360
161949111	171153
161949117	171153
171955651	160197
191951221	160712
191951223	160712
191955531	160749
333955651	160381
357955531	160749
431955651	160197
437955651	160197
443955531	160749
036903017A	110360
036903017AX	110360
036903023B	110360
036903023C	110360
036903023F	110360
036903023J	110360
036903023L	110360
036903023N	110360
036903023NX	110360
036903023X	110360
049903015H	112747
052903017X	110360
068903017A	110360
068903023B	110360
068903023L	110360
068903025Q	110360
069911023F	111855
191951113B	160658
191951113D	160658
1H0951113A	160658
1H0951113C	160658
1H6955651	160378
1J5955651	160379
1J6955651	160683
251965561B	070192
2DO955651A	160197
321955531A	160749
3B0951221	160712
3B0951223	160712
3B0955531	160749
4A0949101	171153
4A0955651	160681
4A0955651B	160682
6N0951101	160658
VOLVO	
240504	110208
240519	110537
240524	111217
240847	111217
241599	113482
243007	112132
308043	110207
420780	110207
465929	110208
465930	110207
469414	110208
845940	111528
968372	171026
968689	171025
981189	171377
1258016	160197
1259832	160197
1308719	110881
1323488	110881
1323912	110881
1324957	110881
1502272	111528
1509425	112742
1578139	112742
1578938	112742
1607362	111528
3205207	160197
3477646	160197
4220357	112097
4772059	113850
4785538	113482
4785539	113482
4785541	112132
4880691	112132
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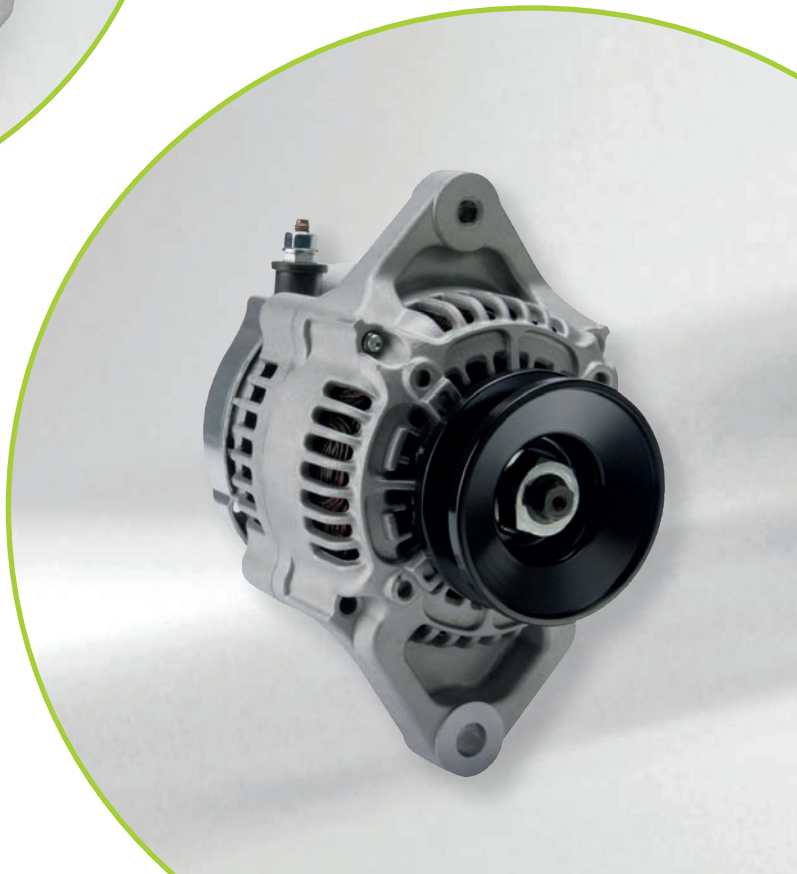

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GERMANY
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cargo@cargo-de.com

AUSTRIA
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UNITED KINGDOM
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SWEDEN
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FRANCE
Tel. 02 38 49 66 66 · Fax 02 38 49 66 67
cargo@cargo-fr.com

ITALY
Tel. 051 499 8989 · Fax 051 499 8990
cargo@hccargo-it.com

POLAND
Tel. 61 8400940
cargo@cargo-pl.com

USA
Tel. +1-404-346-6905 · Toll free +1-800-303-3170
Fax +1-770-236-0310
customerhelp@us.bosch.com cargo@cargo-us.com

All Other Countries
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