

NPR of AMERICA, INC



1973 ~ 2017

ESTABLISHED:	1973
PRODUCTS:	PISTON RINGS, PISTONS
ORGANIZATION:	Automotive Engine Rebuilder Association (AERA) Auto Care Association

PISTON, RINGS - U.S. APPLICATIONS



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U.S. APPLICATIONS

PISTON RINGS

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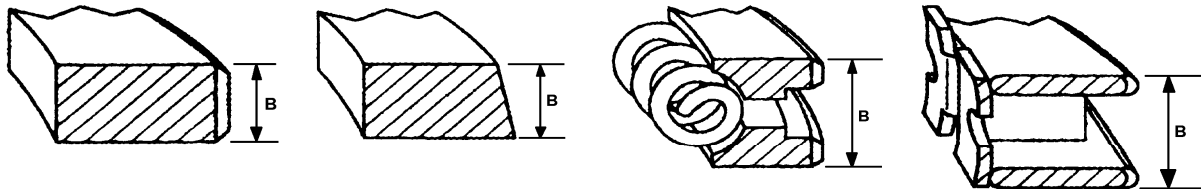
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PISTONS

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12	13	14	15	16	17	18	19	20	21
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Piston Ring B: Width



- 1: Engine Displacement by Cubic-Centimeter.
- 2: Engine Displacement by Liter.
- 3: Engine Displacement by Cubic-Inch.
- 4: Model Name (Application).
- 5: Year.
- 6: Number of Cylinder.
- 7: Engine Code Number.
- 8: Engine Type.
- 9: Cam Type.
- 10: Piston Ring Reference Number.
- 11: NOA's Piston Ring Part Number.
- 12: Piston Reference Number.
- 13: NOA's Piston Part Number.
- 14: Page # for Piston Buyer's Guide
- 15: Cylinder Diameter.
- 16: 1st Compression Ring - B = Width (h1).
- 17: 2nd Compression Ring - B = Width (h1).
- 18: 3rd Compression Ring - B = Width (h1).
- 19: 1st Oil Control Ring - B = Width (h1).
- 20: 2nd Oil Control Ring - B = Width (h1).
- 21: Remark (ex, Grade of Vehicle, Number of Valve, V-tech, Turbo, etc.).

On Domestic Vehicle pages (Chrysler, Ford, GMC) , you can see INCH size, too.

Important! This US Application Catalog is Organized in Engine Displacement Sequence.

U.S. APPLICATIONS

PISTON RINGS

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RED = NEW INFORMATION

ENGINE SIZE			MODEL NAME	YEAR	CYL	ENGINE CODE NUMBER	F.I. CARB DIESEL	O.H.V. S.O.H.C. D.O.H.C.	RING REFERENCE NUMBER	NOA PISTON RING #
cc	L	ci								
ACURA										
1496	1.5L	91	ILX HYBRID	2013 - 2015	4	LEA	F.I.	S.O.H.C.	13011-RW0-004	SWH30479
1590	1.6L	97	INTEGRA	1986 - 1987	4	D16A1, 8	F.I.	D.O.H.C.	13011-PJ1-752	SWH30365
1590	1.6L	97	INTEGRA	1988 - 1989	4	D16A1, 8	F.I.	D.O.H.C.	13011-PM6-G02	SWH30362
1678	1.7L	102	INTEGRA	1991 - 1993	4	B17A1	F.I.	D.O.H.C.	13011-PR3-004	SWH30373
1797	1.8L	110	INTEGRA	1994 - 2001	4	B18C5	F.I.	D.O.H.C.	13011-PR3-004	SWH30373
1797	1.8L	110	INTEGRA	1994 - 2001	4	B18C1	F.I.	D.O.H.C.	13011-PR3-004	SWH30373
1835	1.8L	112	INTEGRA	1990 - 1991	4	B18A1	F.I.	D.O.H.C.	13011-PR3-004	SWH30373
1835	1.8L	112	INTEGRA	1992 - 1993	4	B18A1	F.I.	D.O.H.C.	13011-PR3-004	SWH30373
1835	1.8L	112	INTEGRA	1994 - 1999	4	B18B1	F.I.	D.O.H.C.	13011-PR3-004	SWH30373
1997	2.0L	122	ILX	2013 - 2015	4	R20A3	F.I.	S.O.H.C.	13011-R9A-A01	SWH30484*
1998	2.0L	122	RSX	2002 - 2005	4	K20A2	F.I.	D.O.H.C.	13011-PNE-G02	SWH30454
1998	2.0L	122	RSX	2005 - 2006	4	K20Z1	F.I.	D.O.H.C.	13011-PNE-G02	SWH30454
2156	2.2L	132	CL	1997 ONLY	4	F22B1	F.I.	S.O.H.C.	13011-P0A-A04	SWH30383
2260	2.3L	138	CL	1998 - 1999	4	F23A1	F.I.	S.O.H.C.	13011-P8A-A01	SWH30443
2300	2.3L	140	RDX	2007 - 2012	4	K23A1	F.I.	D.O.H.C.	13011-RWC-A01	NA
2354	2.4L	144	TLX	2014 - 2016	4	K24W7	F.I.	D.O.H.C.	-	NA
2354	2.4L	144	TSX	2008 - 2011	4	K24Z3	F.I.	D.O.H.C.	13011-RL5-A02	SWH30467
2354	2.4L	144	ILX	2013 - 2015	4	K24Z7	F.I.	D.O.H.C.	13011-R40-A12	SWH30488
2354	2.4L	144	TSX	2012 - 2015	4	K24Z3	F.I.	D.O.H.C.	13011-R40-A12	SWH30488
2354	2.4L	144	TSX SPORT WAGON	2012 - 2015	4	K24Z3	F.I.	D.O.H.C.	13011-R40-A12	SWH30488
2354	2.4L	144	TSX	2004 - 2008	4	K24A2	F.I.	D.O.H.C.	13011-RBB-006	SWH30435
2456	2.5L	150	VIGOR	1992 - 1994	5	G25A1	F.I.	S.O.H.C.	13011-PV1-003	SWH30367
2456	2.5L	150	TL	1996 ONLY	5	G25A4	F.I.	S.O.H.C.	13011-P1R-004	NA
2456	2.5L	150	TL	1997 - 1998	5	G25A4	F.I.	S.O.H.C.	13011-P1R-004	NA
2494	2.5L	152	LEGEND	1986 - 1987	V6	C25A1	F.I.	S.O.H.C.	13011-PH7-004	SWH30369
2675	2.7L	163	LEGEND	1987 - 1990	V6	C27A1	F.I.	S.O.H.C.	13011-P0G-A01	SWH30370

PISTONS

RED = NEW INFORMATION

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PISTON REFERENCE NUMBER	NOA PISTON #	HEAD PAGE #	DIA. mm	1	2	3	O	O	REMARK
				S T	N D	R D	1	2	
13010-RW0-000	NA		73.00	1.00	1.00		2.00		8 VALVE
13101-PG6-000	DISC. 11-501		75.00	1.20	1.50		2.80		16 VALVE
13101-P29-000	11-502	287	75.00	1.20	1.50		2.80		16 VALVE
13101-P61-A00	NA		81.00	1.00	1.20		2.80		GS-R, 16 VALVE
13010-P73-A00	11-743	318	81.00	1.00	1.20		2.80		TYPE-R MODELS, 16 VALVE
13010-P72-A00	11-754	320	81.00	1.00	1.20		2.80		GS-R+B120, w/ VTECH, 16 VALVE
13101-PR4-A00	NA		81.00	1.00	1.20		2.80		16 VALVE
13101-PR4-000	11-753	320	81.00	1.00	1.20		2.80		16 VALVE
13010-P54-000	11-733	315	81.00	1.00	1.20		2.80		GS, LS, RS, SE, w/o VTECH, 16 VALVE
13010-R1P-H00	NA		81.00	1.20	1.20		2.00		16 VALVE
13010-PNC-000	11-866	341	86.00	1.20	1.20		2.00		w/ i-VTECH, 16 VALVE
13010-PNC-010	11-866	341	86.00	1.20	1.20		2.00		w/ i-VTECH, 16 VALVE
13010-P1E-000	11-757	321	85.00	1.20	1.20		2.80		16 VALVE
13010-PAA-A00	11-781	325	86.00	1.20	1.20		2.80		16 VALVE
13010-RWC-A00	NA		86.00	1.50	1.20		2.00		w/ i-VTECH, w/ TURBO, 16 VALVE
-	NA		87.00						16 VALVE
13010-RL5-A00	NA		87.00	1.20	1.20		2.00		w/ i-VTECH, 16 VALVE
13010-RL5-A10	NA		87.00	1.20	1.20		2.00		16 VALVE
13010-RL5-A10	NA		87.00	1.20	1.20		2.00		w/ i-VTECH, 16 VALVE
13010-RL5-A10	NA		87.00	1.20	1.20		2.00		w/ i-VTECH, 16 VALVE
13011-RBB-A00	NA		87.00	1.20	1.20		2.50		w/ i-VTECH, 16 VALVE
13101-PV1-A00	NA		85.00	1.20	1.20		2.80		20 VALVE
13010-P1R-A00	DISC. 11-782		85.00	1.20	1.20		2.80		20 VALVE
13010-P1R-A01	DISC. 11-782		85.00	1.20	1.20		2.80		20 VALVE
13101-PH7-000	DISC. 11-506		84.00	1.20	1.20		4.00		24 VALVE
13101-PL2-000	DISC. 11-783		87.00	1.20	1.20		4.00		24 VALVE

ACURA

U.S. APPLICATIONS

PISTON RINGS

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ENGINE SIZE			MODEL NAME	YEAR	C Y L	ENGINE CODE NUMBER	F.I. CARB DIESEL	O.H.V. S.O.H.C. D.O.H.C.	RING REFERENCE NUMBER	NOA PISTON RING #
cc	L	ci								
ACURA										
2977	3.0L	182	NSX	1991 - 2005	V6	C30A	F.I.	D.O.H.C.	13011-PR7-A02	SWH30368
2977	3.0L	182	NSX	1991 - 2005	V6	C30A	F.I.	D.O.H.C.	13011-PR7-A02	SWH30368
2977	3.0L	182	NSX-T	1991 - 2005	V6	C30A	F.I.	D.O.H.C.	13011-PR7-A02	SWH30368
2977	3.0L	182	NSX-T	1991 - 2005	V6	C30A	F.I.	D.O.H.C.	13011-PR7-A02	SWH30368
2997	3.0L	183	CL	1997 - 1999	V6	J30A1	F.I.	S.O.H.C.	13011-P8A-A01	SWH30432
3165	3.2L	193	SLX	1996 - 1997	V6	6VD1	F.I.	S.O.H.C.	8-97162-198-0	SWI10185
3179	3.2L	194	NSX	1997 - 2005	V6	C32B	F.I.	D.O.H.C.	-	NA
3179	3.2L	194	NSX	1997 - 2005	V6	C32B	F.I.	D.O.H.C.	-	NA
3179	3.2L	194	NSX-T	1997 - 2005	V6	C32B	F.I.	D.O.H.C.	-	NA
3179	3.2L	194	NSX-T	1997 - 2005	V6	C32B	F.I.	D.O.H.C.	-	NA
3206	3.2L	196	LEGEND	1991 - 1993	V6	C32A1	F.I.	S.O.H.C.	13011-PY3-003	SWH30371
3206	3.2L	196	LEGEND	1994 - 1995	V6	C32A1	F.I.	S.O.H.C.	13011-PY3-003	SWH30371
3206	3.2L	196	TL	1996 - 1998	V6	C32A1	F.I.	S.O.H.C.	13011-P5G-004	SWH30371
3210	3.2L	196	TL	1999 ONLY	V6	J32A1	F.I.	S.O.H.C.	13011-P8F-A01	SWH30438
3210	3.2L	196	CL	2000 - 2003	V6	J32A1	F.I.	S.O.H.C.	13011-P8F-A01	SWH30438
3210	3.2L	196	TL	2000 - 2008	V6	J32A2, 3	F.I.	S.O.H.C.	13011-PGE-A01	SWH30438
3210	3.2L	196	CL-S	2000 - 2003	V6	J32A2	F.I.	S.O.H.C.	13011-PGE-A01	SWH30438
3210	3.2L	196	TL-S	2002 - 2003	V6	J32A2	F.I.	S.O.H.C.	13011-PGE-A01	SWH30438
3471	3.5L	212	MDX	2001 - 2002	V6	J35A3	F.I.	S.O.H.C.	13011-PGE-A01	SWH30438
3471	3.5L	212	MDX	2003 - 2006	V6	J35A1	F.I.	S.O.H.C.	13011-PGE-A01	SWH30438
3471	3.5L	212	TL	2004 - 2008	V6	J35A3	F.I.	S.O.H.C.	13011-PGE-A01	SWH30438
3471	3.5L	212	MDX	2013 - 2015	V6	J35Y5	F.I.	S.O.H.C.	-	NA
3471	3.5L	212	RLX	2013 - 2015	V6	J35Y4	F.I.	S.O.H.C.	-	NA
3471	3.5L	212	TLX	2014 - 2016	V6	J35Y6	F.I.	S.O.H.C.	-	NA
3471	3.5L	212	RDX	2013 - 2015	V6	J35A6	F.I.	S.O.H.C.	13011-5G0-A01	SWH30438*
3471	3.5L	212	RL	2005 - 2008	V6	J35A8	F.I.	S.O.H.C.	13011-RJA-004	SWH30438
3471	3.5L	212	TL-S	2007 - 2008	V6	J35A8	F.I.	S.O.H.C.	13011-RJA-004	SWH30438
3471	3.5L	212	TL	2009 - 2011	V6	J35Z6	F.I.	S.O.H.C.	13011-R70-A02	SWH30438
3471	3.5L	212	TL	2012 - 2015	V6	J35Z6	F.I.	S.O.H.C.	13011-5G0-A01	SWH30438*
3471	3.5L	212	TSX	2009 - 2015	V6	J35Z6	F.I.	S.O.H.C.	13021-R70-A01	SWH30438
3471	3.5L	212	TSX SPORT WAGON	2012 - 2015	V6	J35Z6	F.I.	S.O.H.C.	13021-R70-A01	SWH30438
3474	3.5L	212	RL	1996 - 2004	V6	C35A1	F.I.	S.O.H.C.	13011-P5A-004	NA
3494	3.5L	213	SLX	1998 - 1999	V6	6VE1	F.I.	S.O.H.C.	8-97136-135-0	SWI10191

PISTONS

RED = NEW INFORMATION

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PISTON REFERENCE NUMBER	NOA PISTON #	HEAD PAGE #	DIA. mm	1	2	3	O	O	REMARK
				S	N	R	1	2	
				T	D	D			
13200-PR7-A00	NA		90.00	1.20	1.20		2.80		FRONT, w/ VTECH, 24 VALVE
13250-PR7-A00	NA		90.00	1.20	1.20		2.80		REAR, w/ VTECH, 24 VALVE
13200-PR7-A00	NA		90.00	1.20	1.20		2.80		FRONT, w/ VTECH, 24 VALVE
13250-PR7-A00	NA		90.00	1.20	1.20		2.80		REAR, w/ VTECH, 24 VALVE
13010-P8A-000	11-791	326	86.00	1.20	1.20		2.80		24 VALVE
8-97104-386-0	11-685	307	93.40	1.50	1.50		4.00		24 VALVE
-	NA		93.00						FRONT, w/ VTECH, 24 VALVE
-	NA		93.00						REAR, w/ VTECH, 24 VALVE
-	NA		93.00						FRONT, w/ VTECH, 24 VALVE
-	NA		93.00						REAR, w/ VTECH, 24 VALVE
13101-PY3-A02	NA		90.00	1.20	1.20		2.80		24 VALVE
13102-PY3-A02	NA		90.00	1.20	1.20		2.80		24 VALVE
13010-PY3-A00	NA		90.00	1.20	1.20		2.80		w/ VTECH, 24 VALVE
13010-P8E-A00	NA		89.00	1.20	1.20		2.80		w/ VTECH, 24 VALVE
13010-P8E-L00	NA		89.00	1.20	1.20		2.80		w/ VTECH, 24 VALVE
13010-P8E-L00	NA		89.00	1.20	1.20		2.80		w/ VTECH, 24 VALVE
13010-PGE-A01	NA		89.00	1.20	1.20		2.80		w/ VTECH, 24 VALVE
13010-PGE-A01	NA		89.00	1.20	1.20		2.80		w/ VTECH, 24 VALVE
13010-PGK-A01	11-836	334	89.00	1.20	1.20		2.80		w/ VTECH, 24 VALVE
13101-RGL-100	11-836	334	89.00	1.20	1.20		2.80		w/ VTECH, 24 VALVE
13010-RDA-A00	11-836*	334	89.00	1.20	1.20		2.80		24 VALVE
-	NA		89.00						w/ VTECH, 24 VALVE
-	NA		89.00						24 VALVE
-	NA		89.00						24 VALVE
13010-R70-A10	NA		89.00	1.20	1.20		2.80		24 VALVE
13010-RJA-000	NA		89.00	1.20	1.20		2.80		24 VALVE
13010-RJA-000	NA		89.00	1.20	1.20		2.80		24 VALVE
13010-RK1-A00	NA		89.00	1.20	1.20		2.80		24 VALVE
13010-RK1-A00	NA		89.00	1.20	1.20		2.80		24 VALVE
13010-RK1-A00	NA		89.00	1.20	1.20		2.80		24 VALVE
13010-RK1-A00	NA		89.00	1.20	1.20		2.80		24 VALVE
13010-P5A-000	DISC. 11-796		90.00	1.50	1.20		2.80		24 VALVE
8-97136-315-3	11-793	326	93.40	1.50	1.50		3.00		24 VALVE

ACURA

U.S. APPLICATIONS

PISTON RINGS

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RED = NEW INFORMATION

ENGINE SIZE			MODEL NAME	YEAR	CYL	ENGINE CODE NUMBER	F.I. CARB DIESEL	O.H.V. S.O.H.C. D.O.H.C.	RING REFERENCE NUMBER	NOA PISTON RING #
cc	L	ci								
AUDI										
1781	1.8L	109	A4	1997 - 1999	4	AEB	F.I.	D.O.H.C.	058 198 151 B	SWL03456
1781	1.8L	109	A4	2000 - 2006	4	AEB	F.I.	D.O.H.C.	06B 198 151 B	SWL03456
1781	1.8L	109	A4 AVANT	2000 - 2006	4	AEB	F.I.	D.O.H.C.	06B 198 151 B	SWL03456
1781	1.8L	109	TT	2000 - 2006	4	ATC, AMU	F.I.	D.O.H.C.	06B 198 151 B	SWL03456
1786	1.8L	109	4000	1985 - 1987	4	MG	CARB	S.O.H.C.	026 198 151 A	SWL02405 4CYL
1984	2.0L	121	A3	2006 - 2012	4	ABK, AAD	F.I.	D.O.H.C.	06D 198 151 B	SWL03296 4CYL
1984	2.0L	121	A4	2005 - 2012	4	ADY, ABA	F.I.	D.O.H.C.	06D 198 151 G	SWL03296 4CYL
1984	2.0L	121	A4 AVANT	2005 - 2012	4	ADY, ABA	F.I.	D.O.H.C.	06D 198 151 G	SWL03296 4CYL
1984	2.0L	121	A5	2010 - 2012	4	ADY, ABA	F.I.	D.O.H.C.	06D 198 151 G	SWL03296 4CYL
1984	2.0L	121	Q5	2011 - 2012	4	ADY, ABA	F.I.	D.O.H.C.	06D 198 151 G	SWL03296 4CYL
1984	2.0L	121	TT	2008 - 2012	4	ABK, AAD	F.I.	D.O.H.C.	06F 198 151 A	SWL03296 4CYL
2671	2.7L	163	A6	2000 - 2004	V6	APB	F.I.	D.O.H.C.	058 198 151 B*	SWL03340 6CYL
2671	2.7L	163	ALLROAD	2001 - 2005	V6	APB	F.I.	D.O.H.C.	058 198 151 B*	SWL03340 6CYL
2671	2.7L	163	S4	2000 - 2002	V6	APB	F.I.	D.O.H.C.	058 198 151 B*	SWL03340 6CYL
2771	2.8L	169	100	1992 - 1994	V6	AAH	F.I.	S.O.H.C.	06A 198 151 C	SWL03296 6CYL
2771	2.8L	169	A6	1995 ONLY	V6	AAH	F.I.	S.O.H.C.	06A 198 151 C	SWL03296 6CYL
2771	2.8L	169	A4	1996 - 1998	V6	AFC	F.I.	S.O.H.C.	06A 198 151 C	SWL03296 6CYL
2771	2.8L	169	A6	1996 - 1997	V6	AFC	F.I.	S.O.H.C.	06A 198 151 C	SWL03296 6CYL
2771	2.8L	169	CABRIOLET	1996 - 1998	V6	AFC	F.I.	S.O.H.C.	06A 198 151 C	SWL03296 6CYL
2771	2.8L	169	A4	1998 - 2001	V6	AHA	F.I.	D.O.H.C.	06A 198 151 C	SWL03296 6CYL
2771	2.8L	169	A4 AVANT	1998 - 2001	V6	AHA	F.I.	D.O.H.C.	06A 198 151 C	SWL03296 6CYL
2771	2.8L	169	A6	1998 - 2001	V6	AHA	F.I.	D.O.H.C.	06A 198 151 C	SWL03296 6CYL
2976	3.0L	182	A4	2002 - 2006	V6	AVK, BGN	F.I.	D.O.H.C.	06C 198 151 B	SWL03296 6CYL
2976	3.0L	182	A4 AVANT	2002 - 2006	V6	AVK, BGN	F.I.	D.O.H.C.	06C 198 151 B	SWL03296 6CYL
2976	3.0L	182	A6	2002 - 2004	V6	AVK	F.I.	D.O.H.C.	06C 198 151 B	SWL03296 6CYL
2976	3.0L	182	A6 AVANT	2002 - 2004	V6	AVK	F.I.	D.O.H.C.	06C 198 151 B	SWL03296 6CYL
3123	3.1L	191	A4	2005 - 2009	V6	AUK	F.I.	D.O.H.C.	06E 198 151 B	TBA
3123	3.1L	191	A4 AVANT	2005 - 2009	V6	AUK	F.I.	D.O.H.C.	06E 198 151 B	TBA
3123	3.1L	191	A6	2005 - 2008	V6	AUK	F.I.	D.O.H.C.	06E 198 151 B	TBA
3123	3.1L	191	A6 AVANT	2005 - 2008	V6	AUK	F.I.	D.O.H.C.	06E 198 151 B	TBA
4163	4.2L	254	RS 4	2007 - 2008	V8	079.D	F.I.	D.O.H.C.	079 103 171 AH	TBA
4163	4.2L	254	RS 4	2007 - 2008	V8	079.D	F.I.	D.O.H.C.	079 103 171 AH	TBA
4163	4.2L	254	RS 4	2007 - 2008	V8	079.D	F.I.	D.O.H.C.	079 103 171 AH	TBA
4163	4.2L	254	RS 4	2007 - 2008	V8	079.D	F.I.	D.O.H.C.	079 103 171 AH	TBA
AUDI - CONTINUED										

PISTONS

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AUDI

PISTON REFERENCE NUMBER	NOA PISTON #	HEAD PAGE #	DIA. mm	1 S T	2 N D	3 R D	O 1	O 2	REMARK
058 107 065 F	11-872	342	81.00	1.50	1.75		2.00		20 VALVE
06B 107 065 N	11-872	342	81.00	1.50	1.75		2.00		20 VALVE
06B 107 065 N	11-872	342	81.00	1.50	1.75		2.00		20 VALVE
06A 107 065 J	X		81.00	1.50	1.75		2.00		20 VALVE
026 107 065 R	X		81.00	1.50	1.75		3.00		8 VALVE
06D 107 066 C	X		82.50	1.20	1.50		2.00		w/ TURBO, 16 VALVE
06D 107 066 C	X		82.50	1.20	1.50		2.00		16 VALVE
06D 107 066 C	X		82.50	1.20	1.50		2.00		16 VALVE
06D 107 066 C	X		82.50	1.20	1.50		2.00		16 VALVE
06D 107 066 C	X		82.50	1.20	1.50		2.00		w/ TURBO, 16 VALVE
078 107 065 AN	X		81.00	1.20	1.50		2.00		30 VALVE
078 107 065 AN	X		81.00	1.20	1.50		2.00		30 VALVE
078 107 065 AN	X		81.00	1.20	1.50		2.00		30 VALVE
078 107 065 G	X		82.50	1.20	1.50		2.00		12 VALVE
078 107 065 G	X		82.50	1.20	1.50		2.00		12 VALVE
078 107 065 AH	X		82.50	1.20	1.50		2.00		12 VALVE
078 107 065 AH	X		82.50	1.20	1.50		2.00		12 VALVE
078 107 065 AH	X		82.50	1.20	1.50		2.00		12 VALVE
078 107 065 AF	X		82.50	1.20	1.50		2.00		30 VALVE
078 107 065 AF	X		82.50	1.20	1.50		2.00		30 VALVE
078 107 065 AF	X		82.50	1.20	1.50		2.00		30 VALVE
06C 107 065 M	X		82.50	1.20	1.50		2.00		30 VALVE
06C 107 065 M	X		82.50	1.20	1.50		2.00		30 VALVE
06C 107 065 M	X		82.50	1.20	1.50		2.00		30 VALVE
06C 107 065 M	X		82.50	1.20	1.50		2.00		30 VALVE
06E 107 065 M	X		84.50	1.20	1.50		2.00		CYL #1,2,3, 24 VALVE
06E 107 065 M	X		84.50	1.20	1.50		2.00		CYL #1,2,3, 24 VALVE
06E 107 065 M	X		84.50	1.20	1.50		2.00		CYL #1,2,3, 24 VALVE
06E 107 065 M	X		84.50	1.20	1.50		2.00		CYL #1,2,3, 24 VALVE
079 107 066 AS	X		84.50	1.20	1.50		2.00		CYL #1,2,3,4, 32 VALVE
079 107 065 AS	X		84.50	1.20	1.50		2.00		CYL #5,6,7,8, 32 VALVE
079 107 066 AS	X		84.50	1.20	1.50		2.00		CYL #1,2,3,4, 32 VALVE
079 107 065 AS	X		84.50	1.20	1.50		2.00		CYL #5,6,7,8, 32 VALVE

AUDI - CONTINUED

U.S. APPLICATIONS

PISTON RINGS

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ENGINE SIZE			MODEL NAME	YEAR	C Y L	ENGINE CODE NUMBER	F.I. CARB DIESEL	O.H.V. S.O.H.C. D.O.H.C.	RING REFERENCE NUMBER	NOA PISTON RING #
cc	L	ci								
AUDI										
4163	4.2L	254	RS 4	2007 - 2008	V8	079.D	F.I.	D.O.H.C.	079 103 171 AH	TBA
4163	4.2L	254	RS 4	2007 - 2008	V8	079.D	F.I.	D.O.H.C.	079 103 171 AH	TBA
4163	4.2L	254	S5	2009 - 2010	V8	079.D	F.I.	D.O.H.C.	077 198 151 L	TBA
4163	4.2L	254	S5	2009 - 2010	V8	079.D	F.I.	D.O.H.C.	077 198 151 L	TBA
4163	4.2L	254	A8	2007 - 2012	V8	079.D	F.I.	D.O.H.C.	077 198 151 K	TBA
4163	4.2L	254	A8	2007 - 2012	V8	079.D	F.I.	D.O.H.C.	077 198 151 K	TBA
4163	4.2L	254	Q7	2007 - 2010	V8	079.D	F.I.	D.O.H.C.	077 198 151 L	TBA
4163	4.2L	254	Q7	2007 - 2010	V8	079.D	F.I.	D.O.H.C.	077 198 151 L	TBA
4163	4.2L	254	R8	2008 - 2012	V8	079.D	F.I.	D.O.H.C.	077 198 151 M	TBA
4163	4.2L	254	R8	2008 - 2012	V8	079.D	F.I.	D.O.H.C.	077 198 151 M	TBA
4163	4.2L	254	A6	2005 - 2012	V8	079.D	F.I.	D.O.H.C.	06E 198 151 B	TBA
4163	4.2L	254	A6	2005 - 2012	V8	079.D	F.I.	D.O.H.C.	06E 198 151 B	TBA
4163	4.2L	254	A6 AVANT	2005 - 2012	V8	079.D	F.I.	D.O.H.C.	06E 198 151 B	TBA
4163	4.2L	254	A6 AVANT	2005 - 2012	V8	079.D	F.I.	D.O.H.C.	06E 198 151 B	TBA
4163	4.2L	254	ALLROAD	2003 - 2005	V8	079.D	F.I.	D.O.H.C.	06E 198 151 B	TBA
4163	4.2L	254	ALLROAD	2003 - 2005	V8	079.D	F.I.	D.O.H.C.	06E 198 151 B	TBA
4163	4.2L	254	S4	2004 - 2008	V8	079.D	F.I.	D.O.H.C.	06E 198 151 B	TBA
4163	4.2L	254	S4	2004 - 2008	V8	079.D	F.I.	D.O.H.C.	06E 198 151 B	TBA
AUDI - END										

U.S. APPLICATIONS

PISTON RINGS

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RED = NEW INFORMATION

ENGINE SIZE			MODEL NAME	YEAR	C Y L	ENGINE CODE NUMBER	F.I. CARB DIESEL	O.H.V. S.O.H.C. D.O.H.C.	RING REFERENCE NUMBER	NOA PISTON RING #
cc	L	ci								
CHRYSLER, DODGE, EAGLE,										
1368	1.4L	83	DART	2013 - 2015	4	FIRE 1.4	F.I.	S.O.H.C.	68149737AB	NA
1410	1.4L	86	CHAMP	1979 - 1982	4	G12B	CARB	S.O.H.C.	MD031700	SWM31027
1410	1.4L	86	COLT	1979 - 1984	4	G12B	CARB	S.O.H.C.	MD031700	SWM31027
1468	1.5L	90	COLT	1985 - 1986	4	G15B	CARB	S.O.H.C.	MD074725	SWM31063
1468	1.5L	90	COLT	1987 - 1990	4	G15B	CARB	S.O.H.C.	MD074725	SWM31063
1468	1.5L	90	SUMMIT	1989 - 1990	4	4G15	F.I.	S.O.H.C.	MD074725	SWM31063
1468	1.5L	90	COLT	1991 - 1994	4	4G15	F.I.	S.O.H.C.	MD180804	SWM31076
1468	1.5L	90	SUMMIT	1991 - 1995	4	4G15	F.I.	S.O.H.C.	MD180804	SWM31076
1468	1.5L	90	SUMMIT	1995 ONLY	4	4G15	F.I.	S.O.H.C.	MD180804	SWM31076
1468	1.5L	90	SUMMIT	1996 ONLY	4	4G15	F.I.	D.O.H.C.	MD180804	SWM31076
1597	1.6L	97	ARROW	1976 - 1977	4	G32B	CARB	S.O.H.C.	MD110632	SWM31005
1597	1.6L	97	CHALLENGER	1978 - 1980	4	G32B	CARB	S.O.H.C.	MD110632	SWM31005
1597	1.6L	97	CHAMP	1978 - 1982	4	G32B	CARB	S.O.H.C.	MD110632	SWM31005
1597	1.6L	97	COLT	1979 - 1984	4	G32B	CARB	S.O.H.C.	MD110632	SWM31005
1597	1.6L	97	COLT	1984 - 1986	4	G32B	F.I.	S.O.H.C.	MD012765	SWM31043
1597	1.6L	97	COLT	1987 - 1990	4	G32B	F.I.	S.O.H.C.	MD012765	SWM31043
1597	1.6L	97	COLT	1989 - 1990	4	4G61	F.I.	D.O.H.C.	MD133495	SWM31049
1597	1.6L	97	SUMMIT	1989 - 1990	4	4G61	F.I.	D.O.H.C.	MD133495	SWM31049
1715	1.7L	105	OMNI	1978 - 1983	4	VW 1.7	CARB	S.O.H.C.	4186268	SWL01402
1715	1.7L	105	HORIZON	1978 - 1984	4	VW 1.7	CARB	S.O.H.C.	4186268	SWL01402
1715	1.7L	105	TC3	1982 ONLY	4	VW 1.7	CARB	S.O.H.C.	4186268	SWL01402
1715	1.7L	105	TURISMO	1983 ONLY	4	VW 1.7	CARB	S.O.H.C.	4186268	SWL01402
1755	1.8L	107	COLT	1989 - 1990	4	4G37	F.I.	S.O.H.C.	MD040465	SWM31041
1755	1.8L	107	LASER	1989 - 1994	4	4G37	F.I.	S.O.H.C.	MD040465	SWM31041
1755	1.8L	107	TALON	1993 - 1994	4	4G37	F.I.	S.O.H.C.	MD040465	SWM31041
1798	1.8L	110	CALIBER	2006 - 2009	4	GEMA 1.8	F.I.	D.O.H.C.	5191418AB	SWG30042
CHRYSLER, DODGE, EAGLE, JEEP, PLYMOUTH, RAM - CONTINUED										

PISTONS

RED = NEW INFORMATION

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PISTON REFERENCE NUMBER	NOA PISTON #	HEAD PAGE #	DIA. mm	1 S T	2 N D	3 R D	O 1	O 2	REMARK
JEEP, PLYMOUTH, RAM									
68149734AA	X		72.00						FIAT Engine, w/ TURBO, Multiair, 16 VALVE
			2.835	0.000	0.000		0.000		
MD030322	11-020	276	74.00	1.50	1.50		4.00		12 VALVE
MD030322	11-020	276	2.913	0.059	0.059		0.157		12 VALVE
MD074715	11-529	290	75.50	1.50	1.50		4.00		12 VALVE
			2.972	0.059	0.059		0.157		
MD099770	11-530	290	75.50	1.50	1.50		4.00		8 VALVE
MD099770	11-530	290	2.972	0.059	0.059		0.157		8 VALVE
MD144901	11-531	290	75.50	1.20	1.50		3.00		12 VALVE
MD144901	11-531	290	2.972	0.047	0.059		0.118		12 VALVE
MD314825	NA		75.50	1.20	1.50		3.00		w/CALIF E.C.S.
			2.972	0.047	0.059		0.118		
MD320441	NA		75.50	1.20	1.50		3.00		12 VALVE
			2.972	0.047	0.059		0.118		
MD009521	DISC. 11-023		76.90	2.00	2.00		4.00		
MD009521	DISC. 11-023		3.028	0.079	0.079		0.157		
MD009521	DISC. 11-023								
MD009521	DISC. 11-023								AUTO TRANS
MD074471	DISC. 11-024		76.90	1.50	1.50		4.00		STD TRANS, w/ TURBO
			3.028	0.059	0.059		0.157		
MD100254	DISC. 11-532		76.90	1.50	1.50		4.00		w/ TURBO
			3.028	0.059	0.059		0.157		
MD129932	DISC. 11-546		82.30	1.20	1.50		3.00		w/ TURBO, 16 VALVE
MD129932	DISC. 11-546		3.240	0.047	0.059		0.118		w/ TURBO, 16 VALVE
4186275	X		79.50	1.75	2.00		4.00		
4186275	X		3.130	0.069	0.079		0.157		
4186275	X								
4186275	X								
MD100416	11-545	292	80.60	1.50	1.50		4.00		8 VALVE
MD100416	11-545	292	3.173	0.059	0.059		0.157		8 VALVE
MD100416	11-545	292							8 VALVE
-	X		86.00	1.20	1.20		2.00		16 VALVE
			3.386	0.047	0.047		0.079		
CHRYSLER, DODGE, EAGLE, JEEP, PLYMOUTH, RAM - CONTINUED									

U.S. APPLICATIONS

PISTON RINGS

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ENGINE SIZE			MODEL NAME	YEAR	C Y L	ENGINE CODE NUMBER	F.I. CARB DIESEL	O.H.V. S.O.H.C. D.O.H.C.	RING REFERENCE NUMBER	NOA PISTON RING #
cc	L	ci								
1834	1.8L	112	SUMMIT	1991 - 1992	4	4G93	F.I.	S.O.H.C.	MD173206	SWM31079
1834	1.8L	112	COLT VISTA	1992 ONLY	4	4G93	F.I.	S.O.H.C.	MD173206	SWM31079
1834	1.8L	112	SUMMIT	1991 - 1992	4	4G93	F.I.	S.O.H.C.	MD173206	SWM31079
1834	1.8L	112	COLT	1994 ONLY	4	4G93	F.I.	S.O.H.C.	MD173206	SWM31079
1834	1.8L	112	COLT VISTA	1993 - 1994	4	4G93	F.I.	S.O.H.C.	MD173206	SWM31079
1834	1.8L	112	SUMMIT	1993 - 1996	4	4G93	F.I.	S.O.H.C.	MD173206	SWM31079
1994	2.0L	122	ARROW	1976 - 1978	4	G52B	CARB	S.O.H.C.	MD021070	SWM30074
1994	2.0L	122	ARROW PICKUP	1979 - 1982	4	G52B	CARB	S.O.H.C.	MD021070	SWM30074
1994	2.0L	122	RAM 50	1979 - 1982	4	G52B	CARB	S.O.H.C.	MD021070	SWM30074
1996	2.0L	122	NEON	1995 ONLY	4	420A	F.I.	D.O.H.C.	4741401	SWM31120
1996	2.0L	122	NEON	1995 - 1996	4	A588	F.I.	S.O.H.C.	4741401	SWM31120
1996	2.0L	122	STRATUS	1995 - 1996	4	A588	F.I.	S.O.H.C.	4741401	SWM31120
1996	2.0L	122	AVENGER	1995 - 2000	4	420A	F.I.	D.O.H.C.	M04741401	SWM31120
1996	2.0L	122	CIRRUS	1995 - 2000	4	420A	F.I.	D.O.H.C.	M04741401	SWM31120
1996	2.0L	122	NEON	1995 - 2000	4	420A	F.I.	D.O.H.C.	M04741401	SWM31120
1996	2.0L	122	SEBRING	1995 - 2000	4	420A	F.I.	D.O.H.C.	M04741401	SWM31120
1996	2.0L	122	STRATUS	1995 - 2000	4	420A	F.I.	D.O.H.C.	M04741401	SWM31120
1996	2.0L	122	TALON	1995 - 1998	4	420A	F.I.	D.O.H.C.	M04741401	SWM31120
1996	2.0L	122	TALON	1995 - 1998	4	420A	F.I.	D.O.H.C.	4741401	SWM31120
1996	2.0L	122	BREEZE	1995 - 2000	4	A588	F.I.	S.O.H.C.	M04741401	SWM31120
1996	2.0L	122	CIRRUS	2000 ONLY	4	A588	F.I.	S.O.H.C.	4741401	SWM31120
1996	2.0L	122	NEON	1995 - 2000	4	A588	F.I.	S.O.H.C.	4741401	SWM31120
1996	2.0L	122	BREEZE	2000 ONLY	4	A588	F.I.	S.O.H.C.	4741401	SWM31120
1996	2.0L	122	CIRRUS	2000 ONLY	4	A588	F.I.	S.O.H.C.	4741401	SWM31120
1996	2.0L	122	NEON	2001 - 2002	4	A588	F.I.	S.O.H.C.	4741401	SWM31120
1996	2.0L	122	STRATUS	1995 - 2000	4	A588	F.I.	S.O.H.C.	4741401	SWM31120
1996	2.0L	122	STRATUS	1998 - 2000	4	A588	F.I.	S.O.H.C.	4741401	SWM31120
1996	2.0L	122	NEON	2002 ONLY	4	A588	F.I.	S.O.H.C.	4741401	SWM31120
1996	2.0L	122	NEON	2003 - 2006	4	A588	F.I.	S.O.H.C.	4741401	SWM31120
1996	2.0L	122	NEON	2003 - 2006	4	A588	F.I.	S.O.H.C.	4741401	SWM31120

PISTONS

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PISTON REFERENCE NUMBER	NOA PISTON #	HEAD PAGE #	DIA. mm	1 S T	2 N D	3 R D	O 1	O 2	REMARK
JEEP, PLYMOUTH, RAM									
MD174995	NA		81.00	1.20	1.20		2.80		WAGON, - 5/1/91
			3.189	0.047	0.047		0.110		
MD183457	DISC. 11-548		81.00	1.20	1.20		2.80		16 VALVE
MD183457	DISC. 11-548		3.189	0.047	0.047		0.110		WAGON, 5/1/91 -
MD318097	11-767	322	81.00	1.20	1.20		2.80		16 VALVE
MD318097	11-767	322	3.189	0.047	0.047		0.110		16 VALVE
MD318097	11-767	322							Inc. Wagon
MD021192	DISC. 11-026		84.00	2.00	2.00		4.00		
MD021192	DISC. 11-026		3.307	0.079	0.079		0.157		
MD021192	DISC. 11-026								
4741372	X		87.50	1.20	1.20		3.00		
			3.445	0.047	0.047		0.118		
4796059	X		87.50	1.20	1.20		3.00		w/ CALIF E.C.S.
4796059	X		3.445	0.047	0.047		0.118		w/ CALIF E.C.S.
M04797613	11-735	316	87.50	1.20	1.20		3.00		16 VALVE
M04797613	11-735	316	3.445	0.047	0.047		0.118		16 VALVE
M04797613	11-735	316							16 VALVE
M04797613	11-735	316							16 VALVE
M04797613	11-735	316							16 VALVE
M04797613	11-735	316							16 VALVE
4797613	11-735	316							Normally Aspirated, 16 VALVE
M04773975	X		87.50	1.20	1.20		3.00		16 VALVE
			3.445	0.047	0.047		0.118		
4773975	X		87.50	1.20	1.20		3.00		16 VALVE
4773975	X		3.445	0.047	0.047		0.118		16 VALVE
4897642AB	X		87.50	1.20	1.20		3.00		w/ CALIF E.C.S.
4897642AB	X		3.445	0.047	0.047		0.118		w/ CALIF E.C.S.
4897642AB	X								w/ CALIF E.C.S.
4897642AB	X								w/ CALIF E.C.S.
4897642AB	X								w/ CALIF E.C.S.
5018767AA	X		87.50	1.20	1.20		3.00		
			3.445	0.047	0.047		0.118		
5086925AA	X		87.50	1.20	1.20		3.00		SE, SXT
			3.445	0.047	0.047		0.118		
5086926AA	X		87.50	1.20	1.20		3.00		R/T
			3.445	0.047	0.047		0.118		

U.S. APPLICATIONS

PISTON RINGS

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ENGINE SIZE			MODEL NAME	YEAR	CYL	ENGINE CODE NUMBER	F.I. CARB DIESEL	O.H.V. S.O.H.C. D.O.H.C.	RING REFERENCE NUMBER	NOA PISTON RING #
cc	L	ci								

CHRYSLER, DODGE, EAGLE,

1997	2.0L	122	COLT VISTA	1984 - 1986	4	G63B	CARB	S.O.H.C.	MD040640	SWM31013
1997	2.0L	122	OMNI	1984 - 1985	4	G63B	CARB	S.O.H.C.	MD040640	SWM31013
1997	2.0L	122	RAM 50	1983 - 1986	4	G63B	CARB	S.O.H.C.	MD040640	SWM31013
1997	2.0L	122	COLT VISTA	1987 - 1991	4	G63B	F.I.	S.O.H.C.	MD100467	SWM31044
1997	2.0L	122	RAM 50	1987 - 1989	4	G63B	F.I.	S.O.H.C.	MD100467	SWM31044
1997	2.0L	122	LASER	1989 - 1994	4	4G63	F.I.	D.O.H.C.	MD144245	SWM31048
1997	2.0L	122	TALON	1990 - 1992	4	4G63	F.I.	D.O.H.C.	MD144245	SWM31048
1997	2.0L	122	LASER	1989 - 1994	4	4G63	F.I.	D.O.H.C.	MD140923	SWM31048
1997	2.0L	122	TALON	1990 - 1992	4	4G63	F.I.	D.O.H.C.	MD140923	SWM31048
1997	2.0L	122	LASER	1992 - 1994	4	4G63	F.I.	D.O.H.C.	MD195867	SWM31071
1997	2.0L	122	TALON	1993 - 1994	4	4G63	F.I.	D.O.H.C.	MD195867	SWM31071
1997	2.0L	122	LASER	1992 - 1994	4	4G63	F.I.	D.O.H.C.	MD176437	SWM31071
1997	2.0L	122	TALON	1993 - 1994	4	4G63	F.I.	D.O.H.C.	MD176437	SWM31071
1997	2.0L	122	TALON	1995 - 1998	4	4G63	F.I.	D.O.H.C.	MD313405	SWM31103
1998	2.0L	122	CALIBER	2006 - 2012	4	GEMA 2.0	F.I.	D.O.H.C.	5191418AB	SWG30042
1998	2.0L	122	COMPASS	2007 - 2015	4	GEMA 2.0	F.I.	D.O.H.C.	5191418AB	SWG30042
1998	2.0L	122	PATRIOT	2007 - 2015	4	GEMA 2.0	F.I.	D.O.H.C.	5191418AB	SWG30042
1998	2.0L	122	DART	2013 - 2015	4	TIGERSHARK 2.0	F.I.	D.O.H.C.	68165801AA	NA
2212	2.2L	135	HORIZON	1984 ONLY	4	K 2.2	CARB	S.O.H.C.	4626636	SWC10003
2212	2.2L	135	RELIANT	1981 - 1984	4	K 2.2	CARB	S.O.H.C.	4626636	SWC10003
2212	2.2L	135	TC3	1982 ONLY	4	K 2.2	CARB	S.O.H.C.	4626636	SWC10003
2212	2.2L	135	TURISMO	1984 ONLY	4	K 2.2	CARB	S.O.H.C.	4626636	SWC10003
2212	2.2L	135	600	1984 - 1985	4	K 2.2T	CARB	D.O.H.C.	4411977	SWC10003
2212	2.2L	135	CARAVELLE	1985 ONLY	4	K 2.2T	CARB	D.O.H.C.	4411977	SWC10003
2212	2.2L	135	CHARGER	1985 ONLY	4	K 2.2T	CARB	D.O.H.C.	4411977	SWC10003
2212	2.2L	135	DAYTONA	1984 - 1985	4	K 2.2T	CARB	D.O.H.C.	4411977	SWC10003
2212	2.2L	135	E CLASS	1984 ONLY	4	K 2.2T	CARB	D.O.H.C.	4411977	SWC10003
2212	2.2L	135	LANCER	1985 ONLY	4	K 2.2T	CARB	D.O.H.C.	4411977	SWC10003
2212	2.2L	135	LASER	1984 - 1985	4	K 2.2T	CARB	D.O.H.C.	4411977	SWC10003
2212	2.2L	135	LeBARON	1984 - 1985	4	K 2.2T	CARB	D.O.H.C.	4411977	SWC10003
2212	2.2L	135	LeBARON GTS	1985 ONLY	4	K 2.2T	CARB	D.O.H.C.	4411977	SWC10003
2212	2.2L	135	NEW YORKER	1984 - 1985	4	K 2.2T	CARB	D.O.H.C.	4411977	SWC10003
2212	2.2L	135	OMNI	1985 ONLY	4	K 2.2T	CARB	D.O.H.C.	4411977	SWC10003
CHRYSLER, DODGE, EAGLE, JEEP, PLYMOUTH, RAM - CONTINUED										

PISTONS

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PISTON REFERENCE NUMBER	NOA PISTON #	HEAD PAGE #	DIA. mm	1 S T	2 N D	3 R D	O 1	O 2	REMARK
JEEP, PLYMOUTH, RAM									
MD040591	11-027	276	85.00	2.00	2.00		4.00		12 VALVE
MD040591	11-027	276	3.346	0.079	0.079		0.157		12 VALVE
MD040591	11-027	276							12 VALVE
MD100372	11-539	291	85.00	1.50	1.50		4.00		12 VALVE
MD100372	11-539	291	3.346	0.059	0.059		0.157		12 VALVE
MD129922	11-540	291	85.00	1.20	1.50		3.00		16 VALVE
MD129922	11-540	291	3.346	0.047	0.059		0.118		16 VALVE
MD129923	11-546	292	85.00	1.20	1.50		3.00		w/ TURBO, 16 VALVE
MD129232	11-546	292	3.346	0.047	0.059		0.118		w/ TURBO, 16 VALVE
MD190262	11-718	312	85.00	1.20	1.50		3.00		16 VALVE
MD190262	11-718	312	3.346	0.047	0.059		0.118		16 VALVE
MD308200	11-719	312	85.00	1.20	1.50		3.00		w/ TURBO, 16 VALVE
MD308200	11-719	312	3.346	0.047	0.059		0.118		w/ TURBO, 16 VALVE
MD307820	11-758	321	85.00	1.20	1.50		2.80		w/ TURBO, 16 VALVE
			3.346	0.047	0.059		0.110		
5191337AA	11-919	354	86.00	1.20	1.20		2.00		16 VALVE
5191337AA	11-919	354	3.386	0.047	0.047		0.079		16 VALVE
5191337AA	11-919	354							16 VALVE
68165765AA	X		88.00						16 VALVE
			3.465	0.000	0.000		0.000		
4186275	X		87.50	1.50	1.50		4.00		
4186275	X		3.445	0.059	0.059		0.157		
4186275	X								
4186275	X								
4271928	X		87.50	1.50	1.50		4.00		w/ TURBO
4271928	X		3.445	0.059	0.059		0.157		w/ TURBO
4271928	X								w/ TURBO
4271928	X								w/ TURBO
4271928	X								w/ TURBO
4271928	X								w/ TURBO
4271928	X								w/ TURBO
4271928	X								w/ TURBO
4271928	X								w/ TURBO
4271928	X								w/ TURBO
4271928	X								w/ TURBO
4271928	X								w/ TURBO
CHRYSLER, DODGE, EAGLE, JEEP, PLYMOUTH, RAM - CONTINUED									

U.S. APPLICATIONS

PISTON RINGS

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ENGINE SIZE			MODEL NAME	YEAR	C Y L	ENGINE CODE NUMBER	F.I. CARB DIESEL	O.H.V. S.O.H.C. D.O.H.C.	RING REFERENCE NUMBER	NOA PISTON RING #
cc	L	ci								

CHRYSLER, DODGE, EAGLE,

2212	2.2L	135	600	1986 - 1988	4	K 2.2T	C & F	D.O.H.C.	4411977	SWC10003
2212	2.2L	135	CARAVELLE	1986 - 1988	4	K 2.2T	C & F	D.O.H.C.	4411977	SWC10003
2212	2.2L	135	CHARGER	1986 - 1987	4	K 2.2T	C & F	D.O.H.C.	4411977	SWC10003
2212	2.2L	135	DAYTONA	1986 - 1988	4	K 2.2T	C & F	S.O.H.C.	4411977	SWC10003
2212	2.2L	135	LANCER	1986 - 1988	4	K 2.2T	C & F	D.O.H.C.	4411977	SWC10003
2212	2.2L	135	LASER	1986 ONLY	4	K 2.2T	CARB	D.O.H.C.	4411977	SWC10003
2212	2.2L	135	LeBARON	1986 - 1988	4	K 2.2T	C & F	D.O.H.C.	4411977	SWC10003
2212	2.2L	135	LeBARON GTS	1986 - 1988	4	K 2.2T	C & F	D.O.H.C.	4411977	SWC10003
2212	2.2L	135	NEW YORKER	1986 - 1988	4	K 2.2T	C & F	D.O.H.C.	4411977	SWC10003
2212	2.2L	135	OMNI	1986 ONLY	4	K 2.2T	CARB	D.O.H.C.	4411977	SWC10003
2212	2.2L	135	RELIANT	1988 ONLY	4	K 2.2T	F.I.	D.O.H.C.	4411977	SWC10003
2212	2.2L	135	SHADOW	1987 - 1988	4	K 2.2T	F.I.	D.O.H.C.	4411977	SWC10003
2212	2.2L	135	SUNDANCE	1987 - 1988	4	K 2.2T	F.I.	D.O.H.C.	4411977	SWC10003
2212	2.2L	135	400	1982 - 1983	4	K 2.2	C & F	S.O.H.C.	4626636	SWC10003
2212	2.2L	135	600	1983 - 1988	4	K 2.2	C & F	S.O.H.C.	4626636	SWC10003
2212	2.2L	135	ACCLAIM	1990 - 1992	4	K 2.2	F.I.	S.O.H.C.	4626636	SWC10003
2212	2.2L	135	ARIES	1981 - 1988	4	K 2.2	C & F	S.O.H.C.	4626636	SWC10003
2212	2.2L	135	CARAVAN	1984 - 1987	4	K 2.2	C & F	S.O.H.C.	4626575	SWC10003*
2212	2.2L	135	CARAVELLE	1985 - 1988	4	K 2.2	C & F	S.O.H.C.	4626636	SWC10003
2212	2.2L	135	CHARGER	1983 - 1987	4	K 2.2	C & F	S.O.H.C.	4626636	SWC10003
2212	2.2L	135	DAKOTA	1987 - 1988	4	K 2.2	F.I.	S.O.H.C.	4626575	SWC10003*
2212	2.2L	135	DAYTONA	1984 - 1986	4	K 2.2	CARB	S.O.H.C.	4626636	SWC10003
2212	2.2L	135	DAYTONA	1990 - 1993	4	K 2.2	F.I.	S.O.H.C.	4626636	SWC10003
2212	2.2L	135	DYNASTY	1990 - 1993	4	K 2.2	F.I.	S.O.H.C.	4626636	SWC10003
2212	2.2L	135	E CLASS	1983 - 1984	4	K 2.2	CARB	S.O.H.C.	4626636	SWC10003
2212	2.2L	135	HORIZON	1985 - 1990	4	K 2.2	C & F	S.O.H.C.	4626636	SWC10003
2212	2.2L	135	LANCER	1985 - 1988	4	K 2.2	C & F	S.O.H.C.	4626636	SWC10003
2212	2.2L	135	LASER	1984 - 1986	4	K 2.2	CARB	S.O.H.C.	4626636	SWC10003
2212	2.2L	135	LeBARON	1982 - 1990	4	K 2.2	C & F	S.O.H.C.	4626636	SWC10003
2212	2.2L	135	LeBARON GTS	1985 - 1988	4	K 2.2	C & F	S.O.H.C.	4626636	SWC10003
2212	2.2L	135	Mini Ram Van	1984 - 1987	4	K 2.2	C & F	S.O.H.C.	4626575	SWC10003*
2212	2.2L	135	NEW YORKER	1983 - 1985	4	K 2.2	CARB	S.O.H.C.	4626636	SWC10003
2212	2.2L	135	OMNI	1981 - 1990	4	K 2.2	C & F	S.O.H.C.	4626636	SWC10003
2212	2.2L	135	RELIANT	1985 - 1988	4	K 2.2	F.I.	S.O.H.C.	4626636	SWC10003
2212	2.2L	135	SHADOW	1987 - 1993	4	K 2.2	F.I.	S.O.H.C.	4626636	SWC10003
2212	2.2L	135	SPIRIT	1990 - 1993	4	K 2.2	F.I.	S.O.H.C.	4626636	SWC10003
2212	2.2L	135	SUNDANCE	1987 - 1988	4	K 2.2	F.I.	S.O.H.C.	4626636	SWC10003
2212	2.2L	135	SUNDANCE	1990 - 1992	4	K 2.2	F.I.	S.O.H.C.	4626636	SWC10003
2212	2.2L	135	SUNDANCE	1993 - 1994	4	K 2.2	F.I.	S.O.H.C.	4626575	SWC10003*
2212	2.2L	135	TURISMO	1985 - 1987	4	K 2.2	C & F	S.O.H.C.	4626636	SWC10003
2212	2.2L	135	VOYAGER	1984 - 1987	4	K 2.2	C & F	S.O.H.C.	4626575	SWC10003*
2212	2.2L	135	Grand Caraven	1987 - 1988	4	K 2.2	F.I.	S.O.H.C.	4626575	SWC10003*
CHRYSLER, DODGE, EAGLE, JEEP, PLYMOUTH, RAM - CONTINUED										

U.S. APPLICATIONS

PISTON RINGS

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ENGINE SIZE			MODEL NAME	YEAR	CYL	ENGINE CODE NUMBER	F.I. CARB DIESEL	O.H.V. S.O.H.C. D.O.H.C.	RING REFERENCE NUMBER	NOA PISTON RING #
cc	L	ci								
CHRYSLER, DODGE, EAGLE,										
2212	2.2L	135	600	1987 - 1988	4	K 2.2T	F.I.	D.O.H.C.	4411977	SWC10003
2212	2.2L	135	CHARGER	1987 ONLY	4	K 2.2T	F.I.	D.O.H.C.	4411977	SWC10003
2212	2.2L	135	DAYTONA	1987 - 1990	4	K 2.2T	F.I.	D.O.H.C.	4411977	SWC10003
2212	2.2L	135	LANCER	1987 - 1988	4	K 2.2T	F.I.	D.O.H.C.	4411977	SWC10003
2212	2.2L	135	SHADOW	1987 - 1990	4	K 2.2T	F.I.	D.O.H.C.	4411977	SWC10003
2212	2.2L	135	SPIRIT	1990 ONLY	4	K 2.2T	F.I.	D.O.H.C.	4411977	SWC10003
2212	2.2L	135	ARIES	1989 ONLY	4	K 2.2	F.I.	S.O.H.C.	4626636	SWC10003
2212	2.2L	135	DAYTONA	1989 ONLY	4	K 2.2	F.I.	S.O.H.C.	4626636	SWC10003
2212	2.2L	135	HORIZON	1989 ONLY	4	K 2.2	F.I.	S.O.H.C.	4626636	SWC10003
2212	2.2L	135	LANCER	1989 ONLY	4	K 2.2	F.I.	S.O.H.C.	4626636	SWC10003
2212	2.2L	135	LeBARON	1989 ONLY	4	K 2.2	F.I.	S.O.H.C.	4626636	SWC10003
2212	2.2L	135	OMNI	1989 ONLY	4	K 2.2	F.I.	S.O.H.C.	4626636	SWC10003
2212	2.2L	135	RELIANT	1989 ONLY	4	K 2.2	F.I.	S.O.H.C.	4626636	SWC10003
2212	2.2L	135	SHADOW	1989 ONLY	4	K 2.2	F.I.	S.O.H.C.	4626636	SWC10003
2212	2.2L	135	SUNDANCE	1989 ONLY	4	K 2.2	F.I.	S.O.H.C.	4626636	SWC10003
2212	2.2L	135	CARAVAN	1990 ONLY	4	K 2.2T	F.I.	D.O.H.C.	4411977	SWC10003
2212	2.2L	135	LeBARON	1989 - 1992	4	K 2.2T	F.I.	D.O.H.C.	4411977	SWC10003
2212	2.2L	135	VOYAGER	1990 ONLY	4	K 2.2T	F.I.	D.O.H.C.	4411977	SWC10003
2212	2.2L	135	DAYTONA	1991 - 1993	4	K 2.2T	F.I.	D.O.H.C.	4411977	SWC10003
2212	2.2L	135	SHADOW	1991 - 1992	4	K 2.2T	F.I.	D.O.H.C.	4411977	SWC10003
2212	2.2L	135	SPIRIT	1991 - 1992	4	K 2.2T	F.I.	D.O.H.C.	4411977	SWC10003
2212	2.2L	135	SHADOW	1994 ONLY	4	K 2.2	F.I.	S.O.H.C.	4626575	SWC10003*
2212	2.2L	135	CARAVAN	1989 ONLY	4	K 2.2T	F.I.	D.O.H.C.	4411977	SWC10003
2212	2.2L	135	DAYTONA	1989 ONLY	4	K 2.2T	F.I.	D.O.H.C.	4411977	SWC10003
2212	2.2L	135	Grand Voyager	1989 ONLY	4	K 2.2T	F.I.	D.O.H.C.	4411977	SWC10003
2212	2.2L	135	LANCER	1989 ONLY	4	K 2.2T	F.I.	D.O.H.C.	4411977	SWC10003
2212	2.2L	135	SHADOW	1989 ONLY	4	K 2.2T	F.I.	D.O.H.C.	4411977	SWC10003
2212	2.2L	135	SPIRIT	1989 ONLY	4	K 2.2T	F.I.	D.O.H.C.	4411977	SWC10003
2212	2.2L	135	VOYAGER	1989 ONLY	4	K 2.2T	F.I.	D.O.H.C.	4411977	SWC10003
2346	2.3L	143	RAM 50	1983 - 1985	4	4D55	DIESEL		MD103391	SDM31038
2350	2.4L	143	COLT VISTA	1990 - 1992	4	4G64	F.I.	S.O.H.C.	MD085346	SWM31037
2350	2.4L	143	RAM 50	1990 - 1993	4	4G64	F.I.	S.O.H.C.	MD085346	SWM31037
2350	2.4L	143	SUMMIT	1992 ONLY	4	G64B	F.I.	S.O.H.C.	MD085346	SWM31037
2350	2.4L	143	COLT VISTA	1993 - 1994	4	4G64	F.I.	S.O.H.C.	MD195828	SWM31116
2350	2.4L	143	SUMMIT	1993 - 1996	4	4G64	F.I.	S.O.H.C.	MD195828	SWM31116
2350	2.4L	143	STRATUS	2001 - 2005	4	4G64	F.I.	S.O.H.C.	MD195828	SWM31116
2350	2.4L	143	SEBRING	2001 - 2005	4	4G64	F.I.	S.O.H.C.	MD195828	SWM31116

PISTONS

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PISTON REFERENCE NUMBER	NOA PISTON #	HEAD PAGE #	DIA. mm	1 S T	2 N D	3 R D	O 1	O 2	REMARK
JEEP, PLYMOUTH, RAM									
5241059	X		87.50	1.50	1.50		4.00		w/ TURBO, Intercooler
5241059	X		3.445	0.059	0.059		0.157		w/ TURBO, Intercooler
5241059	X								w/ TURBO, Intercooler
5241059	X								w/ TURBO, Intercooler
5241059	X								w/ TURBO, Intercooler
5241059	X								w/ TURBO, Intercooler
4425207	X		87.50	1.50	1.50		4.00		
4425207	X		3.445	0.059	0.059		0.157		
4425207	X								
4425207	X								
4425207	X								
4425207	X								
4425207	X								
4425207	X								
4637664	X		87.50	1.50	1.50		4.00		w/ TURBO
4637664	X		3.445	0.059	0.059		0.157		w/ TURBO
4637664	X								w/ TURBO
4442960	X		87.50	1.50	1.50		4.00		w/ TURBO
4442960	X		3.445	0.059	0.059		0.157		w/ TURBO
4442960	X								w/ TURBO
4773796	X		87.50	1.50	1.50		4.00		
			3.445	0.059	0.059		0.157		
5241089	X		87.50	1.50	1.50		4.00		w/ TURBO
5241089	X		3.445	0.059	0.059		0.157		w/ TURBO
5241089	X								w/ TURBO
5241089	X								w/ TURBO
5241089	X								w/ TURBO
5241089	X								w/ TURBO
5241089	X								w/ TURBO
MD103308	11-028	277	91.10	2.50	2.00		4.00		
			3.587	0.098	0.079		0.157		
MD105377	11-538	291	86.50	1.50	1.50		4.00		12 VALVE
MD105377	11-538	291	3.406	0.059	0.059		0.157		12 VALVE
MD105377	11-538	291							WAGON, 12 VALVE
MD188115	11-709	311	86.50	1.20	1.50		2.80		
MD188115	11-709	311	3.406	0.047	0.059		0.110		WAGON
MD357066	11-804	328	86.50	1.20	1.50		2.80		COUPE, 16 VALVE
MD357067	11-804	328	3.406	0.047	0.059		0.110		COUPE, 16 VALVE

U.S. APPLICATIONS

PISTON RINGS

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ENGINE SIZE			MODEL NAME	YEAR	C Y L	ENGINE CODE NUMBER	F.I. CARB DIESEL	O.H.V. S.O.H.C. D.O.H.C.	RING REFERENCE NUMBER	NOA PISTON RING #
cc	L	ci								

CHRYSLER, DODGE, EAGLE,

2359	2.4L	144	200	2011 - 2014	4	GEMA 2.4	F.I.	D.O.H.C.	5191424AA	SWG30041
2359	2.4L	144	AVENGER	2007 - 2015	4	GEMA 2.4	F.I.	D.O.H.C.	5191424AA	SWG30041
2359	2.4L	144	CALIBER	2006 - 2012	4	GEMA 2.4	F.I.	D.O.H.C.	5191424AA	SWG30041
2359	2.4L	144	COMPASS	2007 - 2015	4	GEMA 2.4	F.I.	D.O.H.C.	5191424AA	SWG30041
2359	2.4L	144	JOURNEY	2009 - 2015	4	GEMA 2.4	F.I.	D.O.H.C.	5191424AA	SWG30041
2359	2.4L	144	PATRIOT	2007 - 2015	4	GEMA 2.4	F.I.	D.O.H.C.	5191424AA	SWG30041
2359	2.4L	144	SEBRING	2007 - 2010	4	GEMA 2.4	F.I.	D.O.H.C.	5191424AA	SWG30041
2359	2.4L	144	200	2015 - 2016	4	TIGERSHARK 2.4	F.I.	D.O.H.C.	68165801AA	NA
2359	2.4L	144	CHEROKEE	2014 - 2015	4	TIGERSHARK 2.4	F.I.	D.O.H.C.	68165801AA	NA
2359	2.4L	144	DART	2013 - 2015	4	TIGERSHARK 2.4	F.I.	D.O.H.C.	68165801AA	NA
2360	2.4L	144	CALIBER	2007 - 2009	4	GEMA 2.4T	F.I.	D.O.H.C.	68032259AB	NA
2429	2.4L	148	BREEZE	1998 - 1999	4	EDZ 2.4	F.I.	D.O.H.C.	4897024AA	SWC10004
2429	2.4L	148	CARAVAN	1998 - 2000	4	EDZ 2.4	F.I.	D.O.H.C.	4897024AA	SWC10004
2429	2.4L	148	CIRRUS	2000 ONLY	4	EDZ 2.4	F.I.	D.O.H.C.	4897024AA	SWC10004
2429	2.4L	148	SEBRING	1998 ONLY	4	EDZ 2.4	F.I.	D.O.H.C.	4897024AA	SWC10004
2429	2.4L	148	STRATUS	1998 - 2000	4	EDZ 2.4	F.I.	D.O.H.C.	4897024AA	SWC10004
2429	2.4L	148	VOYAGER	1998 - 2000	4	EDZ 2.4	F.I.	D.O.H.C.	4897024AA	SWC10004
2429	2.4L	148	Liberty	2002 - 2004	4	EDZ 2.4	F.I.	D.O.H.C.	4897024AA	SWC10004
2429	2.4L	148	PT CRUISER	2001 ONLY	4	EDZ 2.4	F.I.	D.O.H.C.	4897024AA	SWC10004
2429	2.4L	148	SEBRING	2001 ONLY	4	EDZ 2.4	F.I.	D.O.H.C.	4897024AA	SWC10004
2429	2.4L	148	STRATUS	2001 ONLY	4	EDZ 2.4	F.I.	D.O.H.C.	4897024AA	SWC10004
2429	2.4L	148	BREEZE	1997 ONLY	4	EDZ 2.4	F.I.	D.O.H.C.	4773005	SWC10007
2429	2.4L	148	CARAVAN	1996 - 1997	4	EDZ 2.4	F.I.	D.O.H.C.	4773005	SWC10007
2429	2.4L	148	CIRRUS	1995 - 1997	4	EDZ 2.4	F.I.	D.O.H.C.	4773005	SWC10007
2429	2.4L	148	Grand Caraven	1996 - 1997	4	EDZ 2.4	F.I.	D.O.H.C.	4773005	SWC10007
2429	2.4L	148	Grand Voyager	1996 - 1997	4	EDZ 2.4	F.I.	D.O.H.C.	4773005	SWC10007
2429	2.4L	148	SEBRING	1996 - 1997	4	EDZ 2.4	F.I.	D.O.H.C.	4773005	SWC10007
2429	2.4L	148	STRATUS	1995 - 1997	4	EDZ 2.4	F.I.	D.O.H.C.	4773005	SWC10007
2429	2.4L	148	CARAVAN	2001 - 2004	4	EDZ 2.4	F.I.	D.O.H.C.	4773005	SWC10007
2429	2.4L	148	PT CRUISER	2002 ONLY	4	EDZ 2.4	F.I.	D.O.H.C.	4773005	SWC10007
2429	2.4L	148	SEBRING	2002 ONLY	4	EDZ 2.4	F.I.	D.O.H.C.	4773005	SWC10007
2429	2.4L	148	SEBRING	2002 ONLY	4	EDZ 2.4	F.I.	D.O.H.C.	4773005	SWC10007
2429	2.4L	148	SEBRING	2003 - 2006	4	EDZ Power Tech 2.4	F.I.	D.O.H.C.	5073524AA	SWC10007
2429	2.4L	148	SEBRING	2003 - 2006	4	EDZ Power Tech 2.4	F.I.	D.O.H.C.	5073524AA	SWC10007
2429	2.4L	148	STRATUS	2002 ONLY	4	EDZ 2.4	F.I.	D.O.H.C.	4773005	SWC10007
2429	2.4L	148	VOYAGER	2001 - 2003	4	EDZ 2.4	F.I.	D.O.H.C.	4773005	SWC10007
2429	2.4L	148	WRANGLER	2003 - 2006	4	EDZ Power Tech 2.4	F.I.	D.O.H.C.	5073524AA	SWC10007
2429	2.4L	148	Liberty	2005 ONLY	4	EDZ Power Tech 2.4	F.I.	D.O.H.C.	5073524AA	SWC10007
2429	2.4L	148	PT CRUISER	2003 - 2008	4	EDZ Power Tech 2.4	F.I.	D.O.H.C.	5073524AA	SWC10007
2429	2.4L	148	STRATUS	2003 - 2006	4	EDZ Power Tech 2.4	F.I.	D.O.H.C.	5073524AA	SWC10007

PISTONS

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PISTON REFERENCE NUMBER	NOA PISTON #	HEAD PAGE #	DIA. mm	1 S T	2 N D	3 R D	O 1	O 2	REMARK
JEEP, PLYMOUTH, RAM									
5191340AA	11-908	351	88.00	1.20	1.20		2.00		16 VALVE
5191340AA	11-908	351	3.465	0.047	0.047		0.079		16 VALVE
5191340AA	11-908	351							16 VALVE
5191340AA	11-908	351							16 VALVE
5191340AA	11-908	351							16 VALVE
5191340AA	11-908	351							16 VALVE
5191340AA	11-908	351							16 VALVE
68191814AA	X		88.00						16 VALVE
68191814AA	X		3.465	0.000	0.000		0.000		16 VALVE
68191814AA	X								16 VALVE
-	X		88.00						w/ TURBO, 16 VALVE
			3.465	0.000	0.000		0.000		
4897660AA	DISC. 11-813		87.50	1.20	1.50		3.00		16 VALVE
4897660AA	DISC. 11-813		3.445	0.047	0.059		0.118		16 VALVE
4897660AA	DISC. 11-813								16 VALVE
4897660AA	DISC. 11-813								16 VALVE
4897660AA	DISC. 11-813								16 VALVE
4897660AA	DISC. 11-813								16 VALVE
5017799AA	X		87.50	1.20	1.50		3.00		16 VALVE
5017799AA	X		3.445	0.047	0.059		0.118		16 VALVE
5017799AA	X								SEDAN, 16 VALVE
5017799AA	X								SEDAN, 16 VALVE
4796212	X		87.50	1.50	1.50		3.00		16 VALVE
4796212	X		3.445	0.059	0.059		0.118		16 VALVE
4796212	X								16 VALVE
4796212	X								16 VALVE
4796212	X								16 VALVE
4796212	X								16 VALVE
4796212	X								16 VALVE
5066565AA	11-814	330	87.50	1.50	1.50		3.00		16 VALVE
5066565AA	11-814	330	3.445	0.059	0.059		0.118		16 VALVE
5066565AA	11-814	330							CONVERTIBLE, 16 VALVE
5066565AA	11-814	330							SEDAN, 16 VALVE
5066565AA	11-814	330							CONVERTIBLE. 16 VALVE
5066565AA	11-814	330							SEDAN, 16 VALVE
5066565AA	11-814	330							SEDAN, 16 VALVE
5066565AA	11-814	330							16 VALVE
5066565AA	11-814	330							16 VALVE
5066565AB	11-814	330							16 VALVE
5066565AB	11-814	330							16 VALVE
5066565AB	11-814	330							16 VALVE

U.S. APPLICATIONS

PISTON RINGS

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RED = NEW INFORMATION

ENGINE SIZE			MODEL NAME	YEAR	CYL	ENGINE CODE NUMBER	F.I. CARB DIESEL	O.H.V. S.O.H.C. D.O.H.C.	RING REFERENCE NUMBER	NOA PISTON RING #
cc	L	ci								

CHRYSLER, DODGE, EAGLE,

2429	2.4L	148	NEON	2003 - 2006	4	EDT 2.4	F.I.	D.O.H.C.	5093441AA	SWC10010
2429	2.4L	148	PT CRUISER	2003 - 2009	4	EDT 2.4	F.I.	D.O.H.C.	5093441AA	SWC10010
2429	2.4L	148	SRT-4	2005 - 2006	4	EDT 2.4	F.I.	D.O.H.C.	5093441AA	SWC10010
2464	2.5L	150	CJ7	1983 - 1986	4	AMC 150	CARB	O.H.V.	83501987	SWC10014
2464	2.5L	150	CHEROKEE	1984 - 1993	4	AMC 150	CARB	O.H.V.	83501987	SWC10014
2464	2.5L	150	COMANCHE	1986 - 1987	4	AMC 150	C & F	O.H.V.	83501987	SWC10014
2464	2.5L	150	COMANCHE	1988 - 1992	4	AMC 150	C & F	O.H.V.	83501987	SWC10014
2464	2.5L	150	EAGLE	1983 - 1984	4	AMC 150	CARB	O.H.V.	83501987	SWC10014
2464	2.5L	150	PREMIER	1988 - 1989	4	AMC 150	F.I.	O.H.V.	83501987	SWC10014
2464	2.5L	150	SCRAMBLER	1984 - 1985	4	AMC 150	CARB	O.H.V.	83501987	SWC10014
2464	2.5L	150	WAGONEER	1984 - 1990	4	AMC 150	C & F	O.H.V.	83501987	SWC10014
2464	2.5L	150	WRANGLER	1987 - 1993	4	AMC 150	F.I.	O.H.V.	83501987	SWC10014
2464	2.5L	150	CHEROKEE	1994 - 1995	4	AMC 150	F.I.	O.H.V.	4762461	SWC10014*
2464	2.5L	150	WRANGLER	1997 - 2000	4	AMC 150	F.I.	O.H.V.	4762461	SWC10014*
2464	2.5L	150	CHEROKEE	1993 - 2000	4	AMC 150	F.I.	O.H.V.	4798324	SWC10011
2464	2.5L	150	DAKOTA	2001 - 2002	4	AMC 150	F.I.	O.H.V.	4798324	SWC10011
2464	2.5L	150	DAKOTA	1996 - 2000	4	AMC 150	F.I.	O.H.V.	4798324	SWC10011
2464	2.5L	150	WRANGLER	2001 - 2002	4	AMC 150	F.I.	O.H.V.	4798324	SWC10011
2497	2.5L	152	AVENGER	1995 - 1999	V6	6G73	F.I.	S.O.H.C.	MD310258	SWC10009
2497	2.5L	152	AVENGER	1995 - 1999	V6	6G73	F.I.	S.O.H.C.	MD310258	SWC10009
2497	2.5L	152	CIRRUS	1995 - 1997	V6	6G73	F.I.	S.O.H.C.	MD310258	SWC10009
2497	2.5L	152	CIRRUS	1995 - 1997	V6	6G73	F.I.	S.O.H.C.	MD310258	SWC10009
2497	2.5L	152	SEBRING	1995 - 1997	V6	6G73	F.I.	S.O.H.C.	MD310258	SWC10009
2497	2.5L	152	SEBRING	1995 - 1997	V6	6G73	F.I.	S.O.H.C.	MD310258	SWC10009
2497	2.5L	152	STRATUS	1995 - 1999	V6	6G73	F.I.	S.O.H.C.	MD310258	SWC10009
2497	2.5L	152	STRATUS	1995 - 1999	V6	6G73	F.I.	S.O.H.C.	MD310258	SWC10009
2497	2.5L	152	AVENGER	2000 ONLY	V6	6G73	F.I.	S.O.H.C.	MD310258	SWC10009
2497	2.5L	152	AVENGER	2000 ONLY	V6	6G73	F.I.	S.O.H.C.	MD310258	SWC10009
2497	2.5L	152	CIRRUS	1998 - 2000	V6	6G73	F.I.	S.O.H.C.	MD310258	SWC10009
2497	2.5L	152	CIRRUS	1998 - 2000	V6	6G73	F.I.	S.O.H.C.	MD310258	SWC10009
2497	2.5L	152	SEBRING	1998 - 2000	V6	6G73	F.I.	S.O.H.C.	MD310258	SWC10009
2497	2.5L	152	SEBRING	1998 - 2000	V6	6G73	F.I.	S.O.H.C.	MD310258	SWC10009
2497	2.5L	152	STRATUS	2000 ONLY	V6	6G73	F.I.	S.O.H.C.	MD310258	SWC10009
2497	2.5L	152	STRATUS	2000 ONLY	V6	6G73	F.I.	S.O.H.C.	MD310258	SWC10009
2499	2.5L	152	CARAVAN	2005 - 2008	4	152 cbi eng.	F.I.	D.O.H.C.	-	NA
CHRYSLER, DODGE, EAGLE, JEEP, PLYMOUTH, RAM - CONTINUED										

PISTONS

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PISTON REFERENCE NUMBER	NOA PISTON #	HEAD PAGE #	DIA. mm	1 S T	2 N D	3 R D	O 1	O 2	REMARK
JEEP, PLYMOUTH, RAM									
4884247AC	X		87.50	1.20	1.50		2.50		SRT-4, 16 VALVE
4884247AC	X		3.445	0.047	0.059		0.098		w/ TURBO, 16 VALVE
4884247AC	X								NEON, 16 VALVE
83500251	X		98.43	1.98	1.98		4.76		
83500251	X		3.875	0.078	0.078		0.188		
83500251	X								
83500251	X								
83500251	X								
83500251	X								
83500251	X								
83500251	X								
4897010AA	X		98.43	1.98	1.98		4.76		8 VALVE
4897010AA	X		3.875	0.078	0.078		0.188		8 VALVE
4798329AC	X		98.43	1.50	1.50		4.00		8 VALVE
4798329AC	X		3.875	0.059	0.059		0.157		8 VALVE
4798329	X		98.43	1.50	1.50		4.00		8 VALVE
4798329	X		3.875	0.059	0.059		0.157		8 VALVE
MD309393	11-808	329	83.50	1.20	1.50		3.00		RIGHT
MD309399	11-808	329	83.50	1.20	1.50		3.00		LEFT
MD309393	11-808	329	3.287	0.047	0.059		0.118		RIGHT
MD309399	11-808	329	3.287	0.047	0.059		0.118		LEFT
MD309393	11-808	329							RIGHT
MD309399	11-808	329							LEFT
MD309393	11-808	329							RIGHT
MD309399	11-808	329							LEFT
MD344294	NA		83.50	1.20	1.50		3.00		RIGHT
MD344288	NA		83.50	1.20	1.50		3.00		LEFT
MD344294	NA		3.287	0.047	0.059		0.118		RIGHT
MD344288	NA		3.287	0.047	0.059		0.118		LEFT
MD344294	NA								RIGHT
MD344288	NA								LEFT
MD344294	NA								RIGHT
MD344288	NA								LEFT
-	X		87.50						16 VALVE
			3.445	0.000	0.000		0.000		
CHRYSLER, DODGE, EAGLE, JEEP, PLYMOUTH, RAM - CONTINUED									

U.S. APPLICATIONS

PISTON RINGS

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ENGINE SIZE			MODEL NAME	YEAR	CYL	ENGINE CODE NUMBER	F.I. CARB DIESEL	O.H.V. S.O.H.C. D.O.H.C.	RING REFERENCE NUMBER	NOA PISTON RING #
cc	L	ci								
CHRYSLER, DODGE, EAGLE,										
2507	2.5L	153	ACCLAIM	1995 ONLY	4	K 2.5	F.I.	S.O.H.C.	4626636	SWC10003
2507	2.5L	153	CARAVAN	1994 - 1995	4	K 2.5	F.I.	S.O.H.C.	4626636	SWC10003
2507	2.5L	153	DAKOTA	1994 - 1995	4	K 2.5	F.I.	S.O.H.C.	4626636	SWC10003
2507	2.5L	153	SHADOW	1994 ONLY	4	K 2.5	F.I.	S.O.H.C.	4626636	SWC10003
2507	2.5L	153	SPIRIT	1994 - 1995	4	K 2.5	F.I.	S.O.H.C.	4626636	SWC10003
2507	2.5L	153	SUNDANCE	1993 - 1994	4	K 2.5	F.I.	S.O.H.C.	4626636	SWC10003
2507	2.5L	153	VOYAGER	1994 - 1995	4	K 2.5	F.I.	S.O.H.C.	4626636	SWC10003
2555	2.6L	156	ARROW	1979 - 1980	4	G54B	CARB	S.O.H.C.	MD025080	SWM31047
2555	2.6L	156	ARROW PICKUP	1979 - 1980	4	G54B	CARB	S.O.H.C.	MD026835	SWM31047
2555	2.6L	156	ARROW PICKUP	1981 ONLY	4	G54B	CARB	S.O.H.C.	MD026835	SWM31047
2555	2.6L	156	CHALLENGER	1978 - 1980	4	G54B	CARB	S.O.H.C.	MD026835	SWM31047
2555	2.6L	156	COLT	1978 - 1980	4	G54B	CARB	S.O.H.C.	MD026835	SWM31047
2555	2.6L	156	RAM 50	1979 - 1980	4	G54B	CARB	S.O.H.C.	MD026835	SWM31047
2555	2.6L	156	RAM 50	1981 ONLY	4	G54B	CARB	S.O.H.C.	MD026835	SWM31047
2555	2.6L	156	SAPPORO	1978 - 1980	4	G54B	CARB	S.O.H.C.	MD025080	SWM31047
2555	2.6L	156	400	1982 - 1983	4	G54B	CARB	S.O.H.C.	MD026835	SWM31047
2555	2.6L	156	600	1983 - 1984	4	G54B	CARB	S.O.H.C.	MD026835	SWM31047
2555	2.6L	156	ARIES	1981 - 1984	4	G54B	CARB	S.O.H.C.	MD026835	SWM31047
2555	2.6L	156	ARROW PICKUP	1982 ONLY	4	G54B	CARB	S.O.H.C.	MD026835	SWM31047
2555	2.6L	156	CARAVAN	1983 - 1984	4	G54B	CARB	S.O.H.C.	MD026835	SWM31047
2555	2.6L	156	CHALLENGER	1981 - 1984	4	G54B	CARB	S.O.H.C.	MD026835	SWM31047
2555	2.6L	156	CONQUEST	1984 ONLY	4	G54B	CARB	S.O.H.C.	MD026835	SWM31047
2555	2.6L	156	E CLASS	1983 - 1984	4	G54B	CARB	S.O.H.C.	MD026835	SWM31047
2555	2.6L	156	EXECUTIVE	1983 - 1984	4	G54B	CARB	S.O.H.C.	MD026835	SWM31047
2555	2.6L	156	LeBARON	1982 - 1984	4	G54B	CARB	S.O.H.C.	MD026835	SWM31047
2555	2.6L	156	Mini Ram Van	1983 - 1984	4	G54B	CARB	S.O.H.C.	MD026835	SWM31047
2555	2.6L	156	NEW YORKER	1983 - 1984	4	G54B	CARB	S.O.H.C.	MD026835	SWM31047
2555	2.6L	156	RAM 50	1982 - 1985	4	G54B	CARB	S.O.H.C.	MD026835	SWM31047
2555	2.6L	156	RELIANT	1981 - 1984	4	G54B	CARB	S.O.H.C.	MD026835	SWM31047
2555	2.6L	156	SAPPORO	1978 - 1983	4	G54B	CARB	S.O.H.C.	MD026835	SWM31047
2555	2.6L	156	TOWN & COUNTRY	1982 - 1984	4	G54B	CARB	S.O.H.C.	MD026835	SWM31047
2555	2.6L	156	VOYAGER	1984 ONLY	4	G54B	CARB	S.O.H.C.	MD026835	SWM31047
2555	2.6L	156	600	1985 ONLY	4	G54B	CARB	S.O.H.C.	MD061258	SWM31039
2555	2.6L	156	ARIES	1985 ONLY	4	G54B	CARB	S.O.H.C.	MD061258	SWM31039
2555	2.6L	156	CARAVAN	1983 - 1987	4	G54B	CARB	S.O.H.C.	MD061258	SWM31039
2555	2.6L	156	CARAVAN	1984 - 1987	4	G54B	CARB	S.O.H.C.	MD076170	SWM31039
2555	2.6L	156	EXECUTIVE	1985 ONLY	4	G54B	CARB	S.O.H.C.	MD061258	SWM31039
2555	2.6L	156	Grand Voyager	1987 ONLY	4	G54B	CARB	S.O.H.C.	MD061258	SWM31039
2555	2.6L	156	LeBARON	1985 ONLY	4	G54B	CARB	S.O.H.C.	MD061258	SWM31039
2555	2.6L	156	Mini Ram Van	1983 - 1987	4	G54B	CARB	S.O.H.C.	MD061258	SWM31039
2555	2.6L	156	Mini Ram Van	1984 - 1987	4	G54B	CARB	S.O.H.C.	MD076170	SWM31039
2555	2.6L	156	NEW YORKER	1985 ONLY	4	G54B	CARB	S.O.H.C.	MD061258	SWM31039
									SWM31039 CONTINUED	
CHRYSLER, DODGE, EAGLE, JEEP, PLYMOUTH, RAM - CONTINUED										

PISTONS

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PISTON REFERENCE NUMBER	NOA PISTON #	HEAD PAGE #	DIA. mm	1 S T	2 N D	3 R D	O 1	O 2	REMARK
JEEP, PLYMOUTH, RAM									
4728945	X		87.50	1.50	1.50		4.00		Normally Aspirated, 8 VALVE
4728945	X		3.445	0.059	0.059		0.157		Normally Aspirated, 8 VALVE
4728945	X								Normally Aspirated, 8 VALVE
4728945	X								Normally Aspirated, 8 VALVE
4728945	X								Normally Aspirated, 8 VALVE
4728945	X								Normally Aspirated, 8 VALVE
4728945	X								Normally Aspirated, 8 VALVE
MD024947	DISC. 11-029		91.10	2.00	2.00		4.00		12 VALVE
MD024947	DISC. 11-029		3.587	0.079	0.079		0.157		12 VALVE
MD026861	DISC. 11-029								12 VALVE
MD024947	DISC. 11-029								
MD024947	DISC. 11-029								
MD024947	DISC. 11-029								
MD026861	DISC. 11-029								
MD024947	DISC. 11-029								
MD026921	11-031	277	91.10	2.00	2.00		4.00		12 VALVE
MD026921	11-031	277	3.587	0.079	0.079		0.157		12 VALVE
MD026921	11-031	277							12 VALVE
MD026921	11-031	277							12 VALVE
MD026921	11-031	277							12 VALVE
MD026921	11-031	277							12 VALVE
MD026921	11-031	277							12 VALVE
MD026921	11-031	277							12 VALVE
MD026921	11-031	277							12 VALVE
MD026921	11-031	277							12 VALVE
MD026921	11-031	277							12 VALVE
MD026921	11-031	277							12 VALVE
MD026921	11-031	277							12 VALVE
MD026921	11-031	277							12 VALVE
MD026921	11-031	277							12 VALVE
MD026921	11-031	277							12 VALVE
MD026921	11-031	277							12 VALVE
MD071172	11-035	277	91.10	1.50	1.50		4.00		12 VALVE
MD071172	11-035	277	3.587	0.059	0.059		0.157		12 VALVE
MD071172	11-035	277							w/ CALIF E.C.S., 12 VALVE
MD071172	11-035	277							12 VALVE
MD071172	11-035	277							12 VALVE
MD071172	11-035	277							12 VALVE
MD071172	11-035	277							w/ CALIF E.C.S., 12 VALVE
MD071172	11-035	277							12 VALVE
MD071172	11-035	277							12 VALVE
11-035 CONTINUED									
CHRYSLER, DODGE, EAGLE, JEEP, PLYMOUTH, RAM - CONTINUED									

U.S. APPLICATIONS

PISTON RINGS

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ENGINE SIZE			MODEL NAME	YEAR	CYL	ENGINE CODE NUMBER	F.I. CARB DIESEL	O.H.V. S.O.H.C. D.O.H.C.	RING REFERENCE NUMBER	NOA PISTON RING #
cc	L	ci								
CHRYSLER, DODGE, EAGLE,										
2555	2.6L	156	RAIDER	1987 - 1989	4	G54B	CARB	S.O.H.C.	MD061258	SWM31039
2555	2.6L	156	RAM 50	1983 - 1993	4	G54B	CARB	S.O.H.C.	MD061258	SWM31039
2555	2.6L	156	RELIANT	1985 - 1988	4	G54B	CARB	S.O.H.C.	MD061258	SWM31039
2555	2.6L	156	TOWN & COUNTRY	1985 ONLY	4	G54B	CARB	S.O.H.C.	MD061258	SWM31039
2555	2.6L	156	VOYAGER	1984 - 1987	4	G54B	CARB	S.O.H.C.	MD076170	SWM31039
2555	2.6L	156	VOYAGER	1985 - 1987	4	G54B	CARB	S.O.H.C.	MD061258	SWM31039
2555	2.6L	156	CARAVELLE	1985 ONLY	4	G54B	CARB	S.O.H.C.	MD061258	SWM31039
2555	2.6L	156	CONQUEST	1985 - 1989	4	G54B	CARB	S.O.H.C.	MD061258	SWM31039
2687	2.7L	164	SPRINTER 2500	2004 - 2007	5	OM612	DIESEL	D.O.H.C.	5138004AA	TBA
2687	2.7L	164	SPRINTER 3500	2004 - 2007	5	OM612	DIESEL	D.O.H.C.	5138004AA	TBA
2736	2.7L	167	300	2004 - 2010	V6	EER 2.7	F.I.	D.O.H.C.	4897027AA	SWC10001
2736	2.7L	167	AVENGER	2007 - 2008	V6	EER 2.7	F.I.	D.O.H.C.	4897027AA	SWC10001
2736	2.7L	167	CHARGER	2007 - 2008	V6	EER 2.7	F.I.	D.O.H.C.	4897027AA	SWC10001
2736	2.7L	167	CONCORDE	1998 - 2000	V6	EER 2.7	F.I.	D.O.H.C.	4897027AA	SWC10001
2736	2.7L	167	CONCORDE	2001 - 2004	V6	EER 2.7	F.I.	D.O.H.C.	4897027AA	SWC10001
2736	2.7L	167	INTERPID	1998 - 2000	V6	EER 2.7	F.I.	D.O.H.C.	4897027AA	SWC10001
2736	2.7L	167	INTERPID	2001 - 2002	V6	EER 2.7	F.I.	D.O.H.C.	4897027AA	SWC10001
2736	2.7L	167	MAGNUM	2005 - 2010	V6	EER 2.7	F.I.	D.O.H.C.	4897027AA	SWC10001
2736	2.7L	167	SEBRING	2001 - 2010	V6	EER 2.7	F.I.	D.O.H.C.	4897027AA	SWC10001
2736	2.7L	167	STRATUS	2001 - 2006	V6	EER 2.7	F.I.	D.O.H.C.	4897027AA	SWC10001
2972	3.0L	181	ACCLAIM	1989 - 1993	V6	6G72	F.I.	S.O.H.C.	MD104939	SWM31080
2972	3.0L	181	ACCLAIM	1989 - 1993	V6	6G72	F.I.	S.O.H.C.	MD104939	SWM31080
2972	3.0L	181	CARAVAN	1987 - 1993	V6	6G72	F.I.	S.O.H.C.	MD104939	SWM31080
2972	3.0L	181	CARAVAN	1987 - 1993	V6	6G72	F.I.	S.O.H.C.	MD104939	SWM31080
2972	3.0L	181	DAYTONA	1988 - 1993	V6	6G72	F.I.	S.O.H.C.	MD104939	SWM31080
2972	3.0L	181	DAYTONA	1988 - 1993	V6	6G72	F.I.	S.O.H.C.	MD104939	SWM31080
2972	3.0L	181	DYNASTY	1988 - 1993	V6	6G72	F.I.	S.O.H.C.	MD104939	SWM31080
2972	3.0L	181	DYNASTY	1988 - 1993	V6	6G72	F.I.	S.O.H.C.	MD104939	SWM31080
2972	3.0L	181	Grand Caraven	1987 - 1993	V6	6G72	F.I.	S.O.H.C.	MD104939	SWM31080
2972	3.0L	181	Grand Caraven	1987 - 1993	V6	6G72	F.I.	S.O.H.C.	MD104939	SWM31080
2972	3.0L	181	Grand Voyager	1987 - 1989	V6	6G72	F.I.	S.O.H.C.	MD104939	SWM31080
2972	3.0L	181	Grand Voyager	1987 - 1989	V6	6G72	F.I.	S.O.H.C.	MD104939	SWM31080
2972	3.0L	181	LeBARON	1990 - 1995	V6	6G72	F.I.	S.O.H.C.	MD104939	SWM31080
2972	3.0L	181	LeBARON	1990 - 1995	V6	6G72	F.I.	S.O.H.C.	MD104939	SWM31080
2972	3.0L	181	Mini Ram Van	1987 - 1988	V6	6G72	F.I.	S.O.H.C.	MD104939	SWM31080
2972	3.0L	181	Mini Ram Van	1987 - 1988	V6	6G72	F.I.	S.O.H.C.	MD104939	SWM31080
2972	3.0L	181	NEW YORKER	1988 - 1990	V6	6G72	F.I.	S.O.H.C.	MD104939	SWM31080
2972	3.0L	181	NEW YORKER	1988 - 1990	V6	6G72	F.I.	S.O.H.C.	MD104939	SWM31080
2972	3.0L	181	RAIDER	1989 ONLY	V6	6G72	F.I.	S.O.H.C.	MD104939	SWM31080
2972	3.0L	181	RAIDER	1989 ONLY	V6	6G72	F.I.	S.O.H.C.	MD104939	SWM31080
									SWM31080 CONTINUED	
CHRYSLER, DODGE, EAGLE, JEEP, PLYMOUTH, RAM - CONTINUED										

PISTONS

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PISTON REFERENCE NUMBER	NOA PISTON #	HEAD PAGE #	DIA. mm	1 S T	2 N D	3 R D	O 1	O 2	REMARK
JEEP, PLYMOUTH, RAM									
MD071172	11-035	277							12 VALVE
MD071172	11-035	277							12 VALVE
MD071172	11-035	277							12 VALVE
MD071172	11-035	277							12 VALVE
MD071172	11-035	277							12 VALVE
MD071172	11-035	277							w/ CALIF E.C.S., 12 VALVE
MD128450	DISC. 11-544		91.10	1.50	1.50		4.00		w/ TURBO
MD128450	DISC. 11-544		3.587	0.059	0.059		0.157		w/ TURBO
5117317AA	X		88.00	2.50	2.00		3.00		Mercedes-Benz Engine, 20 VALVE
5117317AA	X		3.465	0.098	0.079		0.118		Mercedes-Benz Engine, 20 VALVE
5018627AB	11-780	325	86.00	1.50	1.50		3.00		24 VALVE
5018627AB	11-780	325	3.386	0.059	0.059		0.118		24 VALVE
5018627AB	11-780	325							24 VALVE
5003427AA*	11-780	325							24 VALVE
5018627AA*	11-780	325							24 VALVE
5003427AA	11-780	325							24 VALVE
5018627AA	11-780	325							24 VALVE
5018627AB	11-780	325							24 VALVE
5018627AA	11-780	325							CONVERTIBLE & SEDAN, 24 VALVE
5018627AA	11-780	325							SEDAN. 24 VALVE
MD119671	11-549	292	91.10	1.50	1.50		4.00		RIGHT, 12 VALVE
MD152563	11-549	292	91.10	1.50	1.50		4.00		LEFT, 12 VALVE
MD119671	11-549	292	3.587	0.059	0.059		0.157		RIGHT, 12 VALVE
MD152563	11-549	292	3.587	0.059	0.059		0.157		LEFT, 12 VALVE
MD119671	11-549	292							RIGHT, 12 VALVE
MD152563	11-549	292							LEFT, 12 VALVE
MD119671	11-549	292							RIGHT, 12 VALVE
MD152563	11-549	292							LEFT, 12 VALVE
MD119671	11-549	292							RIGHT, 12 VALVE
MD152563	11-549	292							LEFT, 12 VALVE
MD119671	11-549	292							RIGHT, 12 VALVE
MD152563	11-549	292							LEFT, 12 VALVE
MD119671	11-549	292							RIGHT, 12 VALVE
MD152563	11-549	292							LEFT, 12 VALVE
MD119671	11-549	292							RIGHT, 12 VALVE
MD152563	11-549	292							LEFT, 12 VALVE
MD119671	11-549	292							RIGHT, 12 VALVE
MD152563	11-549	292							LEFT, 12 VALVE
11-549 CONTINUED									
CHRYSLER, DODGE, EAGLE, JEEP, PLYMOUTH, RAM - CONTINUED									

U.S. APPLICATIONS

PISTON RINGS

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ENGINE SIZE			MODEL NAME	YEAR	C Y L	ENGINE CODE NUMBER	F.I. CARB DIESEL	O.H.V. S.O.H.C. D.O.H.C.	RING REFERENCE NUMBER	NOA PISTON RING #
cc	L	ci								
2972	3.0L	181	RAM 50	1990 - 1993	V6	6G72	F.I.	S.O.H.C.	MD104939	SWM31080
2972	3.0L	181	RAM 50	1990 - 1993	V6	6G72	F.I.	S.O.H.C.	MD104939	SWM31080
2972	3.0L	181	SHADOW	1992 - 1993	V6	6G72	F.I.	S.O.H.C.	MD104939	SWM31080
2972	3.0L	181	SHADOW	1992 - 1993	V6	6G72	F.I.	S.O.H.C.	MD104939	SWM31080
2972	3.0L	181	SPIRIT	1989 - 1993	V6	6G72	F.I.	S.O.H.C.	MD104936	SWM31080
2972	3.0L	181	SPIRIT	1989 - 1993	V6	6G72	F.I.	S.O.H.C.	MD104939	SWM31080
2972	3.0L	181	STEALTH	1991 - 1993	V6	6G72	F.I.	S.O.H.C.	MD104939	SWM31080
2972	3.0L	181	STEALTH	1991 - 1993	V6	6G72	F.I.	S.O.H.C.	MD104939	SWM31080
2972	3.0L	181	SUNDANCE	1992 - 1993	V6	6G72	F.I.	S.O.H.C.	MD104939	SWM31080
2972	3.0L	181	SUNDANCE	1992 - 1993	V6	6G72	F.I.	S.O.H.C.	MD104939	SWM31080
2972	3.0L	181	VOYAGER	1987 - 1993	V6	6G72	F.I.	S.O.H.C.	MD104939	SWM31080
2972	3.0L	181	VOYAGER	1987 - 1993	V6	6G72	F.I.	S.O.H.C.	MD104939	SWM31080
2972	3.0L	181	STEALTH	1991 - 1993	V6	6G72	F.I.	D.O.H.C.	MD158334	SWM31078
2972	3.0L	181	STEALTH	1994 - 1996	V6	6G72	F.I.	D.O.H.C.	MD158334	SWM31078
2972	3.0L	181	STEALTH	1991 - 1996	V6	6G72	F.I.	D.O.H.C.	MD158334	SWM31078
2972	3.0L	181	ACCLAIM	1994 - 1995	V6	6G72	F.I.	S.O.H.C.	MD301716	SWM31078
2972	3.0L	181	ACCLAIM	1994 - 1995	V6	6G72	F.I.	S.O.H.C.	MD301716	SWM31078
2972	3.0L	181	CARAVAN	1994 - 2000	V6	6G72	F.I.	S.O.H.C.	MD301716	SWM31078
2972	3.0L	181	CARAVAN	1994 - 2000	V6	6G72	F.I.	S.O.H.C.	MD301716	SWM31078
2972	3.0L	181	Grand Caraven	1994 - 2000	V6	6G72	F.I.	S.O.H.C.	MD301716	SWM31078
2972	3.0L	181	Grand Caraven	1994 - 2000	V6	6G72	F.I.	S.O.H.C.	MD301716	SWM31078
2972	3.0L	181	Grand Voyager	1994 - 2000	V6	6G72	F.I.	S.O.H.C.	MD301716	SWM31078
2972	3.0L	181	Grand Voyager	1994 - 2000	V6	6G72	F.I.	S.O.H.C.	MD301716	SWM31078
2972	3.0L	181	SHADOW	1994 ONLY	V6	6G72	F.I.	S.O.H.C.	MD301716	SWM31078
2972	3.0L	181	SHADOW	1994 ONLY	V6	6G72	F.I.	S.O.H.C.	MD301716	SWM31078
2972	3.0L	181	SPIRIT	1994 - 1996	V6	6G72	F.I.	S.O.H.C.	MD301716	SWM31078
2972	3.0L	181	SPIRIT	1994 - 1996	V6	6G72	F.I.	S.O.H.C.	MD301716	SWM31078
2972	3.0L	181	STEALTH	1994 - 1996	V6	6G72	F.I.	S.O.H.C.	MD301716	SWM31078
2972	3.0L	181	STEALTH	1994 - 1996	V6	6G72	F.I.	S.O.H.C.	MD301716	SWM31078
2972	3.0L	181	SUNDANCE	1994 ONLY	V6	6G72	F.I.	S.O.H.C.	MD158334	SWM31078
2972	3.0L	181	SUNDANCE	1994 ONLY	V6	6G72	F.I.	S.O.H.C.	MD158334	SWM31078
2972	3.0L	181	VOYAGER	1994 - 2000	V6	6G72	F.I.	S.O.H.C.	MD301716	SWM31078
2972	3.0L	181	VOYAGER	1994 - 2000	V6	6G72	F.I.	S.O.H.C.	MD301716	SWM31078
2972	3.0L	181	STRATUS	2001 - 2006	V6	6G72	F.I.	S.O.H.C.	MD329755	SWM31078
2972	3.0L	181	SEBRING	2001 - 2006	V6	6G72	F.I.	S.O.H.C.	MD329755	SWM31078
CHRYSLER, DODGE, EAGLE, JEEP, PLYMOUTH, RAM - CONTINUED										

PISTONS

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PISTON REFERENCE NUMBER	NOA PISTON #	HEAD PAGE #	DIA. mm	1 S T	2 N D	3 R D	O 1	O 2	REMARK
JEEP, PLYMOUTH, RAM									
MD119671	11-549	292	91.10	1.50	1.50		4.00		RIGHT, 12 VALVE
MD152563	11-549	292	91.10	1.50	1.50		4.00		LEFT, 12 VALVE
MD119671	11-549	292	3.587	0.059	0.059		0.157		RIGHT, 12 VALVE
MD152563	11-549	292	3.587	0.059	0.059		0.157		LEFT, 12 VALVE
MD119671	11-549	292							RIGHT, 12 VALVE
MD152563	11-549	292							LEFT, 12 VALVE
MD119671	11-549	292							RIGHT, 12 VALVE
MD152563	11-549	292							LEFT, 12 VALVE
MD119671	11-549	292							RIGHT, 12 VALVE
MD152563	11-549	292							LEFT, 12 VALVE
MD307972	11-547	292	91.10	1.20	1.50		3.00		24 VALVE
			3.587	0.047	0.059		0.118		
MD307958	11-543	291	91.10	1.20	1.50		3.00		24 VALVE
			3.587	0.047	0.059		0.118		
MD194347	NA		91.10	1.20	1.50		3.00		w/ TURBO, 24 VALVE
			3.587	0.047	0.059		0.118		
MD197808	11-707	310	91.10	1.20	1.50		3.00		RIGHT, 12 VALVE
MD197814	11-707	310	91.10	1.20	1.50		3.00		LEFT, 12 VALVE
MD197808	11-707	310	3.587	0.047	0.059		0.118		RIGHT, 12 VALVE
MD197814	11-707	310	3.587	0.047	0.059		0.118		LEFT, 12 VALVE
MD197808	11-707	310							RIGHT, 12 VALVE
MD197814	11-707	310							LEFT, 12 VALVE
MD197808	11-707	310							RIGHT, 12 VALVE
MD197814	11-707	310							LEFT, 12 VALVE
MD197808	11-707	310							RIGHT, 12 VALVE
MD197814	11-707	310							LEFT, 12 VALVE
MD197808	11-707	310							RIGHT, 12 VALVE
MD197814	11-707	310							LEFT, 12 VALVE
MD197808	11-707	310							RIGHT, 12 VALVE
MD197814	11-707	310							LEFT, 12 VALVE
MD367088	11-817	331	91.10	1.20	1.50		3.00		COUPE, 24 VALVE
MD367089	11-817	331	3.587	0.047	0.059		0.118		COUPE, 24 VALVE
CHRYSLER, DODGE, EAGLE, JEEP, PLYMOUTH, RAM - CONTINUED									

U.S. APPLICATIONS

PISTON RINGS

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ENGINE SIZE			MODEL NAME	YEAR	C Y L	ENGINE CODE NUMBER	F.I. CARB DIESEL	O.H.V. S.O.H.C. D.O.H.C.	RING REFERENCE NUMBER	NOA PISTON RING #
cc	L	ci								

CHRYSLER, DODGE, EAGLE,

2987	3.0L	182	Grand Cherokee	2007 - 2008	V6	OM642	DIESEL	D.O.H.C.	642 030 00 24	TBA
2987	3.0L	182	Grand Cherokee	2007 - 2008	V6	OM642	DIESEL	D.O.H.C.	642 030 00 24	TBA
2987	3.0L	182	SPRINTER 2500	2008 - 2010	V6	OM642	DIESEL	D.O.H.C.	642 030 00 24	TBA
2987	3.0L	182	SPRINTER 2500	2008 - 2010	V6	OM642	DIESEL	D.O.H.C.	642 030 00 24	TBA
2987	3.0L	182	SPRINTER 3500	2008 - 2010	V6	OM642	DIESEL	D.O.H.C.	642 030 00 24	TBA
2987	3.0L	182	SPRINTER 3500	2008 - 2010	V6	OM642	DIESEL	D.O.H.C.	642 030 00 24	TBA
3195	3.2L	195	CONCORDE	1998 - 2001	V6	EGW 3.2	F.I.	S.O.H.C.	4897032AA	SWC10008
3195	3.2L	195	INTERPID	1998 - 2001	V6	EGW 3.2	F.I.	S.O.H.C.	4897032AA	SWC10008
3239	3.2L	198	CHEROKEE	2014 - 2015	V6	PENTASTAR 3.2	F.I.	D.O.H.C.	-	NA
3293	3.3L	201	CARAVAN	1990 - 1991	V6	EGA 3.3	F.I.	O.H.V.	5241051	SWC10002
3293	3.3L	201	CARAVAN	1992 - 1996	V6	EGA 3.3	F.I.	O.H.V.	5241052	SWC10002
3293	3.3L	201	CONCORDE	1993 - 1996	V6	EGA 3.3	F.I.	O.H.V.	5241052	SWC10002
3293	3.3L	201	Grand Caraven	1990 - 1991	V6	EGA 3.3	F.I.	O.H.V.	5241051	SWC10002
3293	3.3L	201	Grand Caraven	1992 - 1996	V6	EGA 3.3	F.I.	O.H.V.	5241052	SWC10002
3293	3.3L	201	Grand Voyager	1990 - 1991	V6	EGA 3.3	F.I.	O.H.V.	5241051	SWC10002
3293	3.3L	201	INTERPID	1993 - 1995	V6	EGA 3.3	F.I.	O.H.V.	5241052	SWC10002
3293	3.3L	201	TOWN & COUNTRY	1990 - 1993	V6	EGA 3.3	F.I.	O.H.V.	5241051	SWC10002
3293	3.3L	201	TOWN & COUNTRY	1996 ONLY	V6	EGA 3.3	F.I.	O.H.V.	5241052	SWC10002
3293	3.3L	201	VISION	1993 - 1995	V6	EGA 3.3	F.I.	O.H.V.	5241052	SWC10002
3293	3.3L	201	VOYAGER	1991 ONLY	V6	EGA 3.3	F.I.	O.H.V.	5241051	SWC10002
3293	3.3L	201	VOYAGER	1992 - 1996	V6	EGA 3.3	F.I.	O.H.V.	5241052	SWC10002
3293	3.3L	201	CARAVAN	1997 - 2000	V6	EGA 3.3	F.I.	O.H.V.	5241052	SWC10002
3293	3.3L	201	Grand Caraven	1997 - 2000	V6	EGA 3.3	F.I.	O.H.V.	5241052	SWC10002
3293	3.3L	201	Grand Voyager	1992 - 2000	V6	EGA 3.3	F.I.	O.H.V.	5241052	SWC10002
3293	3.3L	201	INTERPID	1996 - 1997	V6	EGA 3.3	F.I.	O.H.V.	5241052	SWC10002
3293	3.3L	201	TOWN & COUNTRY	1997 - 2000	V6	EGA 3.3	F.I.	O.H.V.	5241052	SWC10002
3293	3.3L	201	VISION	1996 ONLY	V6	EGA 3.3	F.I.	O.H.V.	5241052	SWC10002
3293	3.3L	201	VOYAGER	1997 - 2000	V6	EGA 3.3	F.I.	O.H.V.	5241052	SWC10002
3293	3.3L	201	CARAVAN	2001 - 2008	V6	EGA 3.3	F.I.	O.H.V.	4897033AA	SWC10002
3293	3.3L	201	DYNASTY	1990 - 1993	V6	EGA 3.3	F.I.	O.H.V.	5241052	SWC10002
3293	3.3L	201	Grand Caraven	2001 - 2005	V6	EGA 3.3	F.I.	O.H.V.	4897033AA	SWC10002
3293	3.3L	201	Grand Caraven	2008 - 2010	V6	EGA 3.3	F.I.	O.H.V.	4897033AA	SWC10002
3293	3.3L	201	IMPERIAL	1990 - 1991	V6	EGA 3.3	F.I.	O.H.V.	5241052	SWC10002
3293	3.3L	201	NEW YORKER	1991 - 1993	V6	EGA 3.3	F.I.	O.H.V.	5241052	SWC10002
3293	3.3L	201	NEW YORKER 5	1990 - 1993	V6	EGA 3.3	F.I.	O.H.V.	5241052	SWC10002
3293	3.3L	201	TOWN & COUNTRY	2001 - 2010	V6	EGA 3.3	F.I.	O.H.V.	4897033AA	SWC10002
3293	3.3L	201	VOYAGER	2001 - 2003	V6	EGA 3.3	F.I.	O.H.V.	4897033AA	SWC10002
3498	3.5L	213	SPRINTER 2500	2008 ONLY	6	M272 E35	F.I.	D.O.H.C.	-	TBA
3498	3.5L	213	SPRINTER 3500	2008 ONLY	6	M272 E35	F.I.	D.O.H.C.	-	TBA
CHRYSLER, DODGE, EAGLE, JEEP, PLYMOUTH, RAM - CONTINUED										

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PISTON REFERENCE NUMBER	NOA PISTON #	HEAD PAGE #	DIA. mm	1 S T	2 N D	3 R D	O 1	O 2	REMARK
JEEP, PLYMOUTH, RAM									
645 030 25 17	X		83.00	2.00	2.00		2.00		Mercedes-Benz Engine, LEFT, 24 VALVE
642 030 24 17	X		83.00	2.00	2.00		2.00		Mercedes-Benz Engine, RIGHT, 24 VALVE
645 030 25 17	X		3.268	0.079	0.079		0.079		Mercedes-Benz Engine, LEFT, 24 VALVE
642 030 24 17	X		3.268	0.079	0.079		0.079		Mercedes-Benz Engine, RIGHT, 24 VALVE
645 030 25 17	X								Mercedes-Benz Engine, LEFT, 24 VALVE
642 030 24 17	X								Mercedes-Benz Engine, RIGHT, 24 VALVE
5010332AA*	X		92.00	1.20	1.50		3.00		
5010332AA	X		3.622	0.047	0.059		0.118		
-	X		91.00						24 VALVE
			3.583	0.000	0.000		0.000		
4778836	X		93.00	1.50	1.50		3.00		12 VALVE
4778836	X		3.661	0.059	0.059		0.118		SH. Oil, 12 VALVE
4778836*	X								SH. Oil, 12 VALVE
4778836	X								12 VALVE
4778836	X								SH. Oil, 12 VALVE
4778836	X								12 VALVE
4778836	X								SH. Oil, 12 VALVE
4778836	X								12 VALVE
4778836	X								SH. Oil, 12 VALVE
4778836	X								12 VALVE
4778836	X								SH. Oil, 12 VALVE
4778836	X								12 VALVE
4778836	X								SH. Oil, 12 VALVE
4798744	X		93.00	1.50	1.50		3.00		SH. Oil, 12 VALVE
4798744	X		3.661	0.059	0.059		0.118		SH. Oil, 12 VALVE
4798744	X								SH. Oil, 12 VALVE
4798744	X								SH. Oil, 12 VALVE
4798744	X								SH. Oil, 12 VALVE
4798744	X								SH. Oil, 12 VALVE
4798744	X								SH. Oil, 12 VALVE
4897772AA	11-863	340	93.00	1.50	1.50		3.00		SH. Oil, 12 VALVE
5241057	11-863	340	3.661	0.059	0.059		0.118		SH. Oil
4897772AA	11-863	340							SH. Oil, 12 VALVE
4897772AA	11-863	340							12 VALVE
5241057	11-863	340							SH. Oil
5241057	11-863	340							SH. Oil
5241057	11-863	340							FIFTH AVENUE, SH Oil
4897772AA	11-863	340							12 VALVE
4897772AA	11-863	340							12 VALVE
-	X		92.90	1.50	1.75		2.50		Mercedes-Benz Engine, 24 VALVE
-	X		3.657	0.059	0.069		0.098		Mercedes-Benz Engine, 24 VALVE
CHRYSLER, DODGE, EAGLE, JEEP, PLYMOUTH, RAM - CONTINUED									

U.S. APPLICATIONS

PISTON RINGS

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ENGINE SIZE			MODEL NAME	YEAR	C Y L	ENGINE CODE NUMBER	F.I. CARB DIESEL	O.H.V. S.O.H.C. D.O.H.C.	RING REFERENCE NUMBER	NOA PISTON RING #
cc	L	ci								
CHRYSLER, DODGE, EAGLE,										
3507	3.5L	214	CONCORDE	1993 - 1994	V6	EGJ 3.5	F.I.	S.O.H.C.	4626660	SWC10005
3507	3.5L	214	CONCORDE	1993 - 1994	V6	EGJ 3.5	F.I.	S.O.H.C.	4626660	SWC10005
3507	3.5L	214	INTERPID	1993 - 1994	V6	EGJ 3.5	F.I.	S.O.H.C.	4626660	SWC10005
3507	3.5L	214	INTERPID	1993 - 1994	V6	EGJ 3.5	F.I.	S.O.H.C.	4626660	SWC10005
3507	3.5L	214	LHS	1994 ONLY	V6	EGJ 3.5	F.I.	S.O.H.C.	4626660	SWC10005
3507	3.5L	214	LHS	1994 ONLY	V6	EGJ 3.5	F.I.	S.O.H.C.	4626660	SWC10005
3507	3.5L	214	NEW YORKER	1994 ONLY	V6	EGJ 3.5	F.I.	S.O.H.C.	4626660	SWC10005
3507	3.5L	214	NEW YORKER	1994 ONLY	V6	EGJ 3.5	F.I.	S.O.H.C.	4626660	SWC10005
3507	3.5L	214	VISION	1993 - 1994	V6	EGJ 3.5	F.I.	S.O.H.C.	4626660	SWC10005
3507	3.5L	214	VISION	1993 - 1994	V6	EGJ 3.5	F.I.	S.O.H.C.	4626660	SWC10005
3518	3.5L	215	300	2004 - 2006	V6	EGG 3.5	F.I.	S.O.H.C.	4897035AA	SWC10013
3518	3.5L	215	300M	1999 - 2004	V6	EGG 3.5	F.I.	S.O.H.C.	4897035AA	SWC10013
3518	3.5L	215	CONCORDE	2002 - 2004	V6	EGG 3.5	F.I.	S.O.H.C.	4897035AA	SWC10013
3518	3.5L	215	INTERPID	2000 - 2002	V6	EGG 3.5	F.I.	S.O.H.C.	4897035AA	SWC10013
3518	3.5L	215	LHS	1999 - 2001	V6	EGG 3.5	F.I.	S.O.H.C.	4897035AA	SWC10013
3518	3.5L	215	PROWLER	1999 - 2002	V6	EGG 3.5	F.I.	S.O.H.C.	4897035AA	SWC10013
3518	3.5L	215	300	2007 - 2010	V6	EGG 3.5	F.I.	S.O.H.C.	4897035AA	SWC10013
3518	3.5L	215	AVENGER	2007 - 2010	V6	EGG 3.5	F.I.	S.O.H.C.	4897035AA	SWC10013
3518	3.5L	215	CHALLENGER	2009 - 2010	V6	EGG 3.5	F.I.	S.O.H.C.	4897035AA	SWC10013
3518	3.5L	215	CHARGER	2006 - 2010	V6	EGG 3.5	F.I.	S.O.H.C.	4897035AA	SWC10013
3518	3.5L	215	JOURNEY	2009 - 2010	V6	EGG 3.5	F.I.	S.O.H.C.	4897035AA	SWC10013
3518	3.5L	215	MAGNUM	2005 - 2010	V6	EGG 3.5	F.I.	S.O.H.C.	4897035AA	SWC10013
3518	3.5L	215	SEBRING	2007 - 2010	V6	EGG 3.5	F.I.	S.O.H.C.	4897035AA	SWC10013
3518	3.5L	215	PACIFICA	2004 - 2006	V6	EGG 3.5	F.I.	S.O.H.C.	4897035AA	SWC10013
3523	3.5L	215	CONCORDE	1995 - 1997	V6	EGJ 3.5	F.I.	S.O.H.C.	4773023	SWC10015
3523	3.5L	215	CONCORDE	1995 - 1997	V6	EGJ 3.5	F.I.	S.O.H.C.	4773023	SWC10015
3523	3.5L	215	INTERPID	1995 - 1997	V6	EGJ 3.5	F.I.	S.O.H.C.	4773023	SWC10015
3523	3.5L	215	INTERPID	1995 - 1997	V6	EGJ 3.5	F.I.	S.O.H.C.	4773023	SWC10015
3523	3.5L	215	LHS	1995 - 1997	V6	EGJ 3.5	F.I.	S.O.H.C.	4773023	SWC10015
3523	3.5L	215	LHS	1995 - 1997	V6	EGJ 3.5	F.I.	S.O.H.C.	4773023	SWC10015
3523	3.5L	215	NEW YORKER	1995 - 1996	V6	EGJ 3.5	F.I.	S.O.H.C.	4773023	SWC10015
3523	3.5L	215	NEW YORKER	1995 - 1996	V6	EGJ 3.5	F.I.	S.O.H.C.	4773023	SWC10015
3523	3.5L	215	PROWLER	1997 ONLY	V6	EGJ 3.5	F.I.	S.O.H.C.	4773023	SWC10015
3523	3.5L	215	PROWLER	1997 ONLY	V6	EGJ 3.5	F.I.	S.O.H.C.	4773023	SWC10015
3523	3.5L	215	VISION	1995 - 1997	V6	EGJ 3.5	F.I.	S.O.H.C.	4773023	SWC10015
3523	3.5L	215	VISION	1995 - 1997	V6	EGJ 3.5	F.I.	S.O.H.C.	4773023	SWC10015
CHRYSLER, DODGE, EAGLE, JEEP, PLYMOUTH, RAM - CONTINUED										

PISTONS

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PISTON REFERENCE NUMBER	NOA PISTON #	HEAD PAGE #	DIA. mm	1	2	3	O	O	REMARK
				S	N	R	1	2	
JEEP, PLYMOUTH, RAM									
4728709*	X		96.00	1.50	1.50		3.00		RIGHT
4728726*	X		96.00	1.50	1.50		3.00		LEFT
4728709	X		3.780	0.059	0.059		0.118		RIGHT
4728726	X		3.780	0.059	0.059		0.118		LEFT
4728709	X								RIGHT
4728726	X								LEFT
4728709	X								RIGHT
4728726	X								LEFT
4728709	X								RIGHT
4728726	X								LEFT
5010335AA	11-875	343	96.00	1.20	1.50		3.00		24 VALVE
5010335AB*	11-875	343	3.780	0.047	0.059		0.118		24 VALVE
5010335AB*	11-875	343							24 VALVE
5010335AB*	11-875	343							24 VALVE
5010335AB*	11-875	343							24 VALVE
5010335AB*	11-875	343							24 VALVE
4892194AB	X		96.00	1.20	1.50		3.00		24 VALVE
4892194AB	X		3.780	0.047	0.059		0.118		24 VALVE
4892194AB	X								24 VALVE
4892194AB	X								24 VALVE
4892194AB	X								24 VALVE
4892194AB	X								SXT MODEL, 24 VALVE
4892194AB	X								24 VALVE
5102235AA	X		96.00	1.20	1.50		3.00		24 VALVE
			3.780	0.047	0.059		0.118		
4883222*	X		96.00	1.20	1.50		3.00		RIGHT
4883223*	X		96.00	1.20	1.50		3.00		LEFT
4883222	X		3.780	0.047	0.059		0.118		RIGHT
4883223	X		3.780	0.047	0.059		0.118		LEFT
4883222	X								RIGHT
4883223	X								LEFT
4883222	X								RIGHT
4883223	X								LEFT
4883222	X								RIGHT, 24 VALVE
4883223	X								LEFT, 24 VALVE
4883222	X								RIGHT
4883223	X								LEFT
CHRYSLER, DODGE, EAGLE, JEEP, PLYMOUTH, RAM - CONTINUED									

U.S. APPLICATIONS

PISTON RINGS

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ENGINE SIZE			MODEL NAME	YEAR	CYL	ENGINE CODE NUMBER	F.I. CARB DIESEL	O.H.V. S.O.H.C. D.O.H.C.	RING REFERENCE NUMBER	NOA PISTON RING #
cc	L	ci								

CHRYSLER, DODGE, EAGLE,

3604	3.6L	220	200	2011 - 2015	V6	PENTASTAR 3.6	F.I.	D.O.H.C.	68078776AA	SWC10025
3604	3.6L	220	300	2011 - 2015	V6	PENTASTAR 3.6	F.I.	D.O.H.C.	68078776AA	SWC10025
3604	3.6L	220	AVENGER	2011 - 2015	V6	PENTASTAR 3.6	F.I.	D.O.H.C.	68078776AA	SWC10025
3604	3.6L	220	CHALLENGER	2011 - 2015	V6	PENTASTAR 3.6	F.I.	D.O.H.C.	68078776AA	SWC10025
3604	3.6L	220	CHARGER	2011 - 2015	V6	PENTASTAR 3.6	F.I.	D.O.H.C.	68078776AA	SWC10025
3604	3.6L	220	DURANGO	2011 - 2015	V6	PENTASTAR 3.6	F.I.	D.O.H.C.	68078776AA	SWC10025
3604	3.6L	220	Grand Caraven	2011 - 2015	V6	PENTASTAR 3.6	F.I.	D.O.H.C.	68078776AA	SWC10025
3604	3.6L	220	Grand Cherokee	2011 - 2015	V6	PENTASTAR 3.6	F.I.	D.O.H.C.	68078776AA	SWC10025
3604	3.6L	220	JOURNEY	2011 - 2015	V6	PENTASTAR 3.6	F.I.	D.O.H.C.	68078776AA	SWC10025
3604	3.6L	220	RAM 1500	2013 - 2015	V6	PENTASTAR 3.6	F.I.	D.O.H.C.	68078776AA	SWC10025
3604	3.6L	220	RAM CARGO VAN	2011 - 2015	V6	PENTASTAR 3.6	F.I.	D.O.H.C.	68078776AA	SWC10025
3604	3.6L	220	RAM PROMASTER	2011 - 2015	V6	PENTASTAR 3.6	F.I.	D.O.H.C.	68078776AA	SWC10025
3604	3.6L	220	RAM PROMASTER CITY	2015 - 2016	V6	PENTASTAR 3.6	F.I.	D.O.H.C.	68078776AA	SWC10025
3604	3.6L	220	TOWN & COUNTRY	2011 - 2015	V6	PENTASTAR 3.6	F.I.	D.O.H.C.	68078776AA	SWC10025
3604	3.6L	220	WRANGLER	2012 - 2015	V6	PENTASTAR 3.6	F.I.	D.O.H.C.	68078776AA	SWC10025
3687	3.7L	225	ASPEN	1980 ONLY	V6	SLANT 6	CARB	O.H.V.	4131203	SWC10017
3687	3.7L	225	CORDOBA	1980 - 1983	V6	SLANT 6	CARB	O.H.V.	4131203	SWC10017
3687	3.7L	225	DIPLOMAT	1980 - 1983	V6	SLANT 6	CARB	O.H.V.	4131203	SWC10017
3687	3.7L	225	Fifth Avenue	1983 ONLY	V6	SLANT 6	CARB	O.H.V.	4131203	SWC10017
3687	3.7L	225	GRAN FURY	1980 - 1983	V6	SLANT 6	CARB	O.H.V.	4131203	SWC10017
3687	3.7L	225	LeBARON	1980 - 1981	V6	SLANT 6	CARB	O.H.V.	4131203	SWC10017
3687	3.7L	225	MIRADA	1980 - 1983	V6	SLANT 6	CARB	O.H.V.	4131203	SWC10017
3687	3.7L	225	NEW YORKER	1982 ONLY	V6	SLANT 6	CARB	O.H.V.	4131203	SWC10017
3687	3.7L	225	NEWPORT	1980 - 1981	V6	SLANT 6	CARB	O.H.V.	4131203	SWC10017
3687	3.7L	225	PICKUP	1974 - 1987	V6	SLANT 6	CARB	O.H.V.	4131205	SWC10017
3687	3.7L	225	PICKUP	1974 - 1987	V6	SLANT 6	CARB	O.H.V.	4131214	SWC10017
3687	3.7L	225	RAM VAN	1974 - 1987	V6	SLANT 6	CARB	O.H.V.	4131205	SWC10017
3687	3.7L	225	RAM VAN	1974 - 1987	V6	SLANT 6	CARB	O.H.V.	4131214	SWC10017
3687	3.7L	225	RAM WAGON	1974 - 1987	V6	SLANT 6	CARB	O.H.V.	4131205	SWC10017
3687	3.7L	225	RAM WAGON	1974 - 1987	V6	SLANT 6	CARB	O.H.V.	4131214	SWC10017
3687	3.7L	225	RAMCHARGER	1975 - 1980	V6	SLANT 6	CARB	O.H.V.	4131205	SWC10017
3687	3.7L	225	RAMCHARGER	1975 - 1980	V6	SLANT 6	CARB	O.H.V.	4131214	SWC10017
3687	3.7L	225	St. Regis	1980 ONLY	V6	SLANT 6	CARB	O.H.V.	4131203	SWC10017
3687	3.7L	225	TRAILDUSTER	1975 - 1980	L6	SLANT 6	CARB	O.H.V.	4131205	SWC10017
3687	3.7L	225	TRAILDUSTER	1975 - 1980	L6	SLANT 6	CARB	O.H.V.	4131214	SWC10017
3687	3.7L	225	VOLARE	1980 ONLY	V6	SLANT 6	CARB	O.H.V.	4131203	SWC10017
3687	3.7L	225	VOYAGER	1974 - 1983	L6	SLANT 6	CARB	O.H.V.	4131205	SWC10017
3687	3.7L	225	VOYAGER	1974 - 1983	L6	SLANT 6	CARB	O.H.V.	4131214	SWC10017
3701	3.7L	226	COMMANDER	2006 - 2010	V6	Power Tech 3.7	F.I.	S.O.H.C.	5012364AC	SWC10002
3701	3.7L	226	DAKOTA	2004 - 2011	V6	Power Tech 3.7	F.I.	S.O.H.C.	5012364AC	SWC10002
3701	3.7L	226	DURANGO	2004 - 2010	V6	Power Tech 3.7	F.I.	S.O.H.C.	5012364AC	SWC10002
3701	3.7L	226	Grand Cherokee	2005 - 2010	V6	Power Tech 3.7	F.I.	S.O.H.C.	5012364AC	SWC10002
3701	3.7L	226	Liberty	2002 - 2012	V6	Power Tech 3.7	F.I.	S.O.H.C.	5012364AC	SWC10002
3701	3.7L	226	NITRO	2007 - 2011	V6	Power Tech 3.7	F.I.	S.O.H.C.	5012364AC	SWC10002
3701	3.7L	226	PICKUP	2002 ONLY	V6	Power Tech 3.7	F.I.	S.O.H.C.	5012364AC	SWC10002
3701	3.7L	226	RAM 1500	2002 - 2012	V6	Power Tech 3.7	F.I.	S.O.H.C.	5012364AC	SWC10002

PISTONS

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PISTON REFERENCE NUMBER	NOA PISTON #	HEAD PAGE #	DIA. mm	1 S T	2 N D	3 R D	O 1	O 2	REMARK
JEEP, PLYMOUTH, RAM									
5184347AG	11-916	354	96.00	1.20	1.20		2.00		24 VALVE
5184347AG	11-916	354	3.780	0.047	0.047		0.079		24 VALVE
5184347AG	11-916	354							24 VALVE
5184347AG	11-916	354							24 VALVE
5184347AG	11-916	354							24 VALVE
5184347AG	11-916	354							24 VALVE
5184347AG	11-916	354							24 VALVE
5184347AG	11-916	354							24 VALVE
5184347AG	11-916	354							24 VALVE
5184347AG	11-916	354							24 VALVE
5184347AG	11-916	354							24 VALVE
5184347AG	11-916	354							24 VALVE
5184347AG	11-916	354							24 VALVE
2084384	X		86.36	1.98	1.98		4.76		w/ Tin
2084384	X		3.400	0.078	0.078		0.188		w/ Tin
2084384	X								w/ Tin
2084384	X								w/ Tin
2084384	X								w/ Tin
2084384	X								w/ Tin
2084384	X								w/ Tin
2084384	X								w/ Tin
2084384	X								w/ Tin
2084384	X								w/ Tin
2084384	X								w/ Tin
2084384	X								w/ Tin
2084384	X								w/ Tin
2084384	X								w/ Tin
2084384	X								w/ Tin
2084384	X								w/ Tin
2084384	X								w/ Tin
2084384	X								w/ Tin
2084384	X								w/ Tin
2084384	X								w/ Tin
2484384	X								w/ Tin
2484384	X								w/ Tin
5019316AA	11-806	329	93.00	1.50	1.50		3.00		12 VALVE
5019316AA	11-806	329	3.661	0.059	0.059		0.118		12 VALVE
5019316AA	11-806	329							12 VALVE
5019316AA	11-806	329							12 VALVE
5019316AA	11-806	329							12 VALVE
5019316AA	11-806	329							12 VALVE
5019316AA	11-806	329							12 VALVE
5019316AA	11-806	329							12 VALVE

U.S. APPLICATIONS

PISTON RINGS

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ENGINE SIZE			MODEL NAME	YEAR	CYL	ENGINE CODE NUMBER	F.I. CARB DIESEL	O.H.V. S.O.H.C. D.O.H.C.	RING REFERENCE NUMBER	NOA PISTON RING #
cc	L	ci								
CHRYSLER, DODGE, EAGLE,										
3778	3.8L	231	CARAVAN	2000 - 2008	V6	EGH 3.8	F.I.	O.H.V.	4773023	SWC10015
3778	3.8L	231	Grand Caraven	2001 - 2002	V6	EGH 3.8	F.I.	O.H.V.	4773023	SWC10015
3778	3.8L	231	Grand Caraven	2008 - 2010	V6	EGH 3.8	F.I.	O.H.V.	4773023	SWC10015
3778	3.8L	231	PACIFICA	2005 - 2010	V6	EGH 3.8	F.I.	O.H.V.	68001386AA	SWC10015
3778	3.8L	231	TOWN & COUNTRY	2001 - 2010	V6	EGH 3.8	F.I.	O.H.V.	4773023	SWC10015
3778	3.8L	231	WRANGLER	2007 - 2011	V6	EGH 3.8	F.I.	O.H.V.	4773023	SWC10015
3802	3.8L	232	CARAVAN	1996 - 1999	V6	EGH 3.8	F.I.	O.H.V.	4626388	SWC10005
3802	3.8L	232	Grand Caraven	1994 - 2000	V6	EGH 3.8	F.I.	O.H.V.	4626388	SWC10005
3802	3.8L	232	Grand Voyager	1994 - 2000	V6	EGH 3.8	F.I.	O.H.V.	4626388	SWC10005
3802	3.8L	232	IMPERIAL	1991 - 1993	V6	EGH 3.8	F.I.	O.H.V.	4626388	SWC10005
3802	3.8L	232	NEW YORKER 5	1991 - 1993	V6	EGH 3.8	F.I.	O.H.V.	4626388	SWC10005
3802	3.8L	232	TOWN & COUNTRY	1994 - 2000	V6	EGH 3.8	F.I.	O.H.V.	4626388	SWC10005
3917	3.9L	239	DAKOTA	1987 - 1991	V6	LA 239	F.I.	O.H.V.	3780007	SWC10018
3917	3.9L	239	PICKUP	1988 - 1991	V6	LA 239	F.I.	O.H.V.	3780007	SWC10018
3917	3.9L	239	RAM VAN	1988 - 1991	V6	LA 239	F.I.	O.H.V.	3780007	SWC10018
3917	3.9L	239	RAM WAGON	1988 - 1991	V6	LA 239	F.I.	O.H.V.	3780007	SWC10018
3917	3.9L	239	RAMCHARGER	1988 - 1991	V6	LA 239	F.I.	O.H.V.	3780007	SWC10018
3917	3.9L	239	DAKOTA	1992 - 1993	V6	MAGNUM 3.9	F.I.	O.H.V.	4720653	SWC10006
3917	3.9L	239	PICKUP	1992 - 1993	V6	MAGNUM 3.9	F.I.	O.H.V.	4720653	SWC10006
3917	3.9L	239	RAM VAN	1992 - 1993	V6	MAGNUM 3.9	F.I.	O.H.V.	4720653	SWC10006
3917	3.9L	239	RAM WAGON	1992 - 1993	V6	MAGNUM 3.9	F.I.	O.H.V.	4720653	SWC10006
3917	3.9L	239	RAMCHARGER	1992 - 1993	V6	MAGNUM 3.9	F.I.	O.H.V.	4720653	SWC10006
3917	3.9L	239	DAKOTA	1994 - 1996	V6	MAGNUM 3.9	F.I.	O.H.V.	4720653	SWC10006
3917	3.9L	239	PICKUP	1994 - 1996	V6	MAGNUM 3.9	F.I.	O.H.V.	4720653	SWC10006
3917	3.9L	239	RAM 1500	1994 - 2001	V6	MAGNUM 3.9	F.I.	O.H.V.	4720653	SWC10006
3917	3.9L	239	RAM VAN	1994 - 1996	V6	MAGNUM 3.9	F.I.	O.H.V.	4720653	SWC10006
3917	3.9L	239	RAM WAGON	1994 - 1996	V6	MAGNUM 3.9	F.I.	O.H.V.	4720653	SWC10006
3917	3.9L	239	DAKOTA	1997 - 2003	V6	MAGNUM 3.9	F.I.	O.H.V.	4720653	SWC10006
3917	3.9L	239	DAKOTA	1997 - 2003	V6	MAGNUM 3.9	F.I.	O.H.V.	4720653	SWC10006
3917	3.9L	239	DURANGO	1998 - 1999	V6	MAGNUM 3.9	F.I.	O.H.V.	4720653	SWC10006
3917	3.9L	239	DURANGO	1998 - 1999	V6	MAGNUM 3.9	F.I.	O.H.V.	4720653	SWC10006
3917	3.9L	239	PICKUP	1997 - 2001	V6	MAGNUM 3.9	F.I.	O.H.V.	4720653	SWC10006
3917	3.9L	239	PICKUP	1997 - 2001	V6	MAGNUM 3.9	F.I.	O.H.V.	4720653	SWC10006
3917	3.9L	239	RAM VAN	1997 - 2001	V6	MAGNUM 3.9	F.I.	O.H.V.	4720653	SWC10006
3917	3.9L	239	RAM VAN	1997 - 2001	V6	MAGNUM 3.9	F.I.	O.H.V.	4720653	SWC10006
3917	3.9L	239	RAM WAGON	1997 - 2001	V6	MAGNUM 3.9	F.I.	O.H.V.	4720653	SWC10006
3917	3.9L	239	RAM WAGON	1997 - 2001	V6	MAGNUM 3.9	F.I.	O.H.V.	4720653	SWC10006
3952	4.0L	241	Grand Caraven	2008 - 2010	V6	EGQ & EGS 4.0	F.I.	S.O.H.C.	4897035AB	SWC10013
3952	4.0L	241	NITRO	2007 - 2011	V6	EGQ & EGS 4.0	F.I.	S.O.H.C.	4897035AB	SWC10013
3952	4.0L	241	PACIFICA	2007 - 2010	V6	EGQ & EGS 4.0	F.I.	S.O.H.C.	4897035AB	SWC10013
CHRYSLER, DODGE, EAGLE, JEEP, PLYMOUTH, RAM - CONTINUED										

PISTONS

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PISTON REFERENCE NUMBER	NOA PISTON #	HEAD PAGE #	DIA. mm	1 S T	2 N D	3 R D	O 1	O 2	REMARK
JEEP, PLYMOUTH, RAM									
5019338AA*	11-864*	340	96.00	1.20	1.50		3.00		12 VALVE
5019338AA*	11-864*	340	3.780	0.047	0.059		0.118		12 VALVE
5019338AA*	11-864*	340							12 VALVE
4666129AA*	11-864*	340							12 VALVE
5019338AA*	11-864*	340							12 VALVE
5019338AA*	11-864*	340							12 VALVE
4797692	DISC. 11-815		96.00	1.50	1.50		3.00		12 VALVE
4797692	DISC. 11-815		3.780	0.059	0.059		0.118		12 VALVE
4797692	DISC. 11-815								12 VALVE
4797692	DISC. 11-815								12 VALVE
4797692	DISC. 11-815								FIFTH AVENUE, 12 VALVE
4797692	DISC. 11-815								12 VALVE
4397779	11-855	338	99.31	1.98	1.98		4.76		
4397779	11-855	338	3.910	0.078	0.078		0.188		
4397779	11-855	338							
4397779	11-855	338							
4397779	11-855	338							
4762947	X		99.31	2.00	2.00		4.00		
4762947	X		3.910	0.079	0.079		0.157		
4762947	X								
4762947	X								
4762947	X								
4773392	X		99.31	2.00	2.00		4.00		12 VALVE
4773392	X		3.910	0.079	0.079		0.157		12 VALVE
4773392	X								12 VALVE
4773392	X								12 VALVE
4773392	X								12 VALVE
4778861AB	X		99.31	2.00	2.00		4.00		CYL #1,3,5, 12 VALVE
4778862AB	X		99.31	2.00	2.00		4.00		CYL #2,4,6, 12 VALVE
4778861AB	X		3.910	0.079	0.079		0.157		CYL #1,3,5, 12 VALVE
4778862AB	X		3.910	0.079	0.079		0.157		CYL #2,4,6, 12 VALVE
4778861AB	X								CYL #1,3,5, 12 VALVE
4778862AB	X								CYL #2,4,6, 12 VALVE
4778861AB	X								CYL #1,3,5, 12 VALVE
4778862AB	X								CYL #2,4,6, 12 VALVE
4778861AB	X								CYL #1,3,5, 12 VALVE
4778862AB	X								CYL #2,4,6, 12 VALVE
4593589AA	X		96.00	1.20	1.50		3.00		24 VALVE
4593589AA	X		3.780	0.047	0.059		0.118		24 VALVE
4593589AA	X								24 VALVE
CHRYSLER, DODGE, EAGLE, JEEP, PLYMOUTH, RAM - CONTINUED									

U.S. APPLICATIONS

PISTON RINGS

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ENGINE SIZE			MODEL NAME	YEAR	CYL	ENGINE CODE NUMBER	F.I. CARB DIESEL	O.H.V. S.O.H.C. D.O.H.C.	RING REFERENCE NUMBER	NOA PISTON RING #
cc	L	ci								
CHRYSLER, DODGE, EAGLE,										
3952	4.0L	241	TOWN & COUNTRY	2008 - 2010	V6	SMPI 4.0	F.I.	S.O.H.C.	4773023	SWC10015
3966	4.0L	242	CHEROKEE	1994 - 1995	6	AMC 242	F.I.	O.H.V.	4762462	SWC10014 6CYL
3966	4.0L	242	Grand Cherokee	1994 - 1995	6	AMC 242	F.I.	O.H.V.	4762462	SWC10014 6CYL
3966	4.0L	242	WRANGLER	1994 - 1995	6	AMC 242	F.I.	O.H.V.	4762462	SWC10014 6CYL
3966	4.0L	242	CHEROKEE	1996 - 2001	L6	Power Tech 4.0	F.I.	O.H.V.	4798878	SWC10012
3966	4.0L	242	Grand Cherokee	1996 - 2005	L6	Power Tech 4.0	F.I.	O.H.V.	4798878	SWC10012
3966	4.0L	242	WRANGLER	1997 - 2000	L6	Power Tech 4.0	F.I.	O.H.V.	4798878	SWC10012
3966	4.0L	242	WRANGLER	2001 - 2006	L6	Power Tech 4.0	F.I.	O.H.V.	4798878	SWC10012
3982	4.0L	243	PICKUP	1978 - 1979	V6	243 cbi eng.	DIESEL		ME007221	NA
3982	4.0L	243	RAM VAN	1979 ONLY	V6	243 cbi eng.	DIESEL		ME007221	NA
4703	4.7L	287	ASPEN	2007 ONLY	V8	Power Tech 4.7	F.I.	S.O.H.C.	5012364AC	SWC10021
4703	4.7L	287	COMMANDER	2006 - 2007	V8	Power Tech 4.7	F.I.	S.O.H.C.	5012364AC	SWC10021
4703	4.7L	287	DAKOTA	2000 ONLY	V8	Power Tech 4.7	F.I.	S.O.H.C.	5012364AC	SWC10021
4703	4.7L	287	DAKOTA	2000 - 2007	V8	Power Tech 4.7	F.I.	S.O.H.C.	5012364AC	SWC10021
4703	4.7L	287	DURANGO	2000 ONLY	V8	Power Tech 4.7	F.I.	S.O.H.C.	5012364AC	SWC10021
4703	4.7L	287	DURANGO	2001 - 2007	V8	Power Tech 4.7	F.I.	S.O.H.C.	5012364AC	SWC10021
4703	4.7L	287	Grand Cherokee	1999 - 2000	V8	Power Tech 4.7	F.I.	S.O.H.C.	5012364AC	SWC10021
4703	4.7L	287	Grand Cherokee	2001 - 2007	V8	Power Tech 4.7	F.I.	S.O.H.C.	5012364AC	SWC10021
4703	4.7L	287	PICKUP	2002 ONLY	V8	Power Tech 4.7	F.I.	S.O.H.C.	5012364AC	SWC10021
4703	4.7L	287	RAM 1500	2002 - 2007	V8	Power Tech 4.7	F.I.	S.O.H.C.	5012364AC	SWC10021
4703	4.7L	287	ASPEN	2008 - 2010	V8	Power Tech 4.7	F.I.	S.O.H.C.	-	SWG10011
4703	4.7L	287	COMMANDER	2008 - 2010	V8	Power Tech 4.7	F.I.	S.O.H.C.	-	SWG10011
4703	4.7L	287	DAKOTA	2008 - 2011	V8	Power Tech 4.7	F.I.	S.O.H.C.	-	SWG10011
4703	4.7L	287	DURANGO	2008 - 2010	V8	Power Tech 4.7	F.I.	S.O.H.C.	-	SWG10011
4703	4.7L	287	Grand Cherokee	2008 ONLY	V8	Power Tech 4.7	F.I.	S.O.H.C.	-	SWG10011
4703	4.7L	287	RAM 1500	2008 - 2013	V8	Power Tech 4.7	F.I.	S.O.H.C.	-	SWG10011
5211	5.2L	318	ASPEN	1980 ONLY	V8	LA 318	CARB	O.H.V.	2808550	SWC10019
5211	5.2L	318	CORDOBA	1980 - 1983	V8	LA 318	CARB	O.H.V.	2808550	SWC10019
5211	5.2L	318	DIPLOMAT	1980 - 1985	V8	LA 318	CARB	O.H.V.	2808550	SWC10019
5211	5.2L	318	Fifth Avenue	1983 - 1985	V8	LA 318	CARB	O.H.V.	2808550	SWC10019
5211	5.2L	318	GRAN FURY	1980 - 1985	V8	LA 318	CARB	O.H.V.	2808550	SWC10019
5211	5.2L	318	IMPERIAL	1981 - 1983	V8	LA 318	CARB	O.H.V.	2808550	SWC10019
5211	5.2L	318	LeBARON	1980 - 1981	V8	LA 318	CARB	O.H.V.	2808550	SWC10019
5211	5.2L	318	MIRADA	1980 - 1983	V8	LA 318	CARB	O.H.V.	2808550	SWC10019
										SWC10019 CONTINUED
CHRYSLER, DODGE, EAGLE, JEEP, PLYMOUTH, RAM - CONTINUED										

PISTONS

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PISTON REFERENCE NUMBER	NOA PISTON #	HEAD PAGE #	DIA. mm	1 S T	2 N D	3 R D	O 1	O 2	REMARK
JEEP, PLYMOUTH, RAM									
-	X		96.00	1.20	1.50		3.00		24 VALVE
			3.780	0.047	0.059		0.118		
4798329	X		98.43	1.98	1.98		4.76		12 VALVE
			3.875	0.078	0.078		0.188		
4897010AA	X		98.43	1.98	1.98		4.76		12 VALVE
4897010AA	X		3.875	0.078	0.078		0.188		12 VALVE
4798878	X		98.43	1.50	1.50		4.00		12 VALVE
			3.875	0.059	0.059		0.157		
4798329AC	X		98.43	1.50	1.50		4.00		12 VALVE
4798329AC	X		3.875	0.059	0.059		0.157		12 VALVE
4798329AC	X								12 VALVE
ME007362	NA								
ME007362	NA								
5012362AB	11-807	329	93.00	1.50	1.50		3.00		16 VALVE
5012362AB	11-807	329	3.661	0.059	0.059		0.118		16 VALVE
5012362AB	11-807	329							16 VALVE
5012362AC	11-807	329							16 VALVE
5012362AB	11-807	329							16 VALVE
5012362AC	11-807	329							16 VALVE
5012362AB	11-807	329							16 VALVE
5012362AC	11-807	329							16 VALVE
5012362AC	11-807	329							16 VALVE
5012362AC	11-807	329							16 VALVE
5012362AC	11-807	329							16 VALVE
11 807D is available for High Output 0.079" Dome Top Head (Page #329).									
68031605AD	11-902	350	93.00	1.20	1.50		2.50		16 VALVE
68031605AD	11-902	350	3.661	0.047	0.059		0.098		16 VALVE
68031605AD	11-902	350							16 VALVE
68031605AD	11-902	350							16 VALVE
68031605AD	11-902	350							16 VALVE
68031605AD	11-902	350							16 VALVE
3685751	X		99.31	1.98	1.98		4.76		
3685751	X		3.910	0.078	0.078		0.188		
3685751	X								
3685751	X								
3685751	X								
3685751	X								
3685751	X								
3685751	X								
CHRYSLER, DODGE, EAGLE, JEEP, PLYMOUTH, RAM - CONTINUED									

U.S. APPLICATIONS

PISTON RINGS

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ENGINE SIZE			MODEL NAME	YEAR	C Y L	ENGINE CODE NUMBER	F.I. CARB DIESEL	O.H.V. S.O.H.C. D.O.H.C.	RING REFERENCE NUMBER	NOA PISTON RING #
cc	L	ci								

CHRYSLER, DODGE, EAGLE,

5211	5.2L	318	NEW YORKER	1980 - 1982	V8	LA 318	CARB	O.H.V.	2808550	SWC10019
5211	5.2L	318	NEWPORT	1980 - 1981	V8	LA 318	CARB	O.H.V.	2808550	SWC10019
5211	5.2L	318	PICKUP	1974 - 1984	V8	LA 318	CARB	O.H.V.	3780007	SWC10019
5211	5.2L	318	RAM VAN	1974 - 1984	V8	LA 318	CARB	O.H.V.	3780007	SWC10019
5211	5.2L	318	RAM WAGON	1974 - 1984	V8	LA 318	CARB	O.H.V.	3780007	SWC10019
5211	5.2L	318	RAMCHARGER	1974 - 1984	V8	LA 318	CARB	O.H.V.	3780007	SWC10019
5211	5.2L	318	St. Regis	1980 - 1981	V8	LA 318	CARB	O.H.V.	2808550	SWC10019
5211	5.2L	318	TRAILDUSTER	1974 - 1981	V8	LA 318	CARB	O.H.V.	3780007	SWC10019
5211	5.2L	318	VOLARE	1980 ONLY	V8	LA 318	CARB	O.H.V.	2808550	SWC10019
5211	5.2L	318	VOYAGER	1974 - 1983	V8	LA 318	CARB	O.H.V.	3780007	SWC10019
5211	5.2L	318	PICKUP	1985 ONLY	V8	LA 318	CARB	O.H.V.	3780007	SWC10019
5211	5.2L	318	RAM VAN	1985 ONLY	V8	LA 318	CARB	O.H.V.	3780007	SWC10019
5211	5.2L	318	RAM WAGON	1985 ONLY	V8	LA 318	CARB	O.H.V.	3780007	SWC10019
5211	5.2L	318	RAMCHARGER	1985 ONLY	V8	LA 318	CARB	O.H.V.	3780007	SWC10019
5211	5.2L	318	DAKOTA	1989 ONLY	V8	MAGNUM 5.2	F.I.	O.H.V.	3780007	SWC10019
5211	5.2L	318	DAKOTA	1991 ONLY	V8	MAGNUM 5.2	F.I.	O.H.V.	3780007	SWC10019
5211	5.2L	318	DIPLOMAT	1986 - 1989	V8	MAGNUM 5.2	C & F	O.H.V.	2808553	SWC10019
5211	5.2L	318	Fifth Avenue	1986 - 1989	V8	MAGNUM 5.2	C & F	O.H.V.	2808553	SWC10019
5211	5.2L	318	GRAN FURY	1986 - 1989	V8	MAGNUM 5.2	C & F	O.H.V.	2808553	SWC10019
5211	5.2L	318	PICKUP	1985 - 1991	V8	MAGNUM 5.2	C & F	O.H.V.	3780007	SWC10019
5211	5.2L	318	RAM VAN	1985 - 1991	V8	MAGNUM 5.2	C & F	O.H.V.	3780007	SWC10019
5211	5.2L	318	RAM WAGON	1985 - 1991	V8	MAGNUM 5.2	C & F	O.H.V.	3780007	SWC10019
5211	5.2L	318	RAMCHARGER	1985 - 1991	V8	MAGNUM 5.2	C & F	O.H.V.	3780007	SWC10019
5211	5.2L	318	DAKOTA	1992 - 1993	V8	MAGNUM 5.2	F.I.	O.H.V.	4720727	SWC10020
5211	5.2L	318	Grand Cherokee	1993 ONLY	V8	MAGNUM 5.2	F.I.	O.H.V.	4638060	SWC10020
5211	5.2L	318	PICKUP	1992 - 1993	V8	MAGNUM 5.2	F.I.	O.H.V.	4720727	SWC10020
5211	5.2L	318	RAM VAN	1992 - 1993	V8	MAGNUM 5.2	F.I.	O.H.V.	4720727	SWC10020
5211	5.2L	318	RAM WAGON	1992 - 1993	V8	MAGNUM 5.2	F.I.	O.H.V.	4720727	SWC10020
5211	5.2L	318	RAMCHARGER	1992 - 1993	V8	MAGNUM 5.2	F.I.	O.H.V.	4720727	SWC10020
5211	5.2L	318	DAKOTA	1994 - 1996	V8	MAGNUM 5.2	F.I.	O.H.V.	4720727	SWC10020
5211	5.2L	318	PICKUP	1994 - 1996	V8	MAGNUM 5.2	F.I.	O.H.V.	4720727	SWC10020
5211	5.2L	318	RAM 1500	1994 - 2001	V8	MAGNUM 5.2	F.I.	O.H.V.	4720727	SWC10020
5211	5.2L	318	RAM 2500	1994 - 1996	V8	MAGNUM 5.2	F.I.	O.H.V.	4720727	SWC10020
5211	5.2L	318	RAM VAN	1994 - 1996	V8	MAGNUM 5.2	F.I.	O.H.V.	4720727	SWC10020
5211	5.2L	318	RAM WAGON	1994 - 1996	V8	MAGNUM 5.2	F.I.	O.H.V.	4720727	SWC10020
5211	5.2L	318	DAKOTA	1997 - 1999	V8	MAGNUM 5.2	F.I.	O.H.V.	4720727	SWC10020
5211	5.2L	318	DAKOTA	1997 - 1999	V8	MAGNUM 5.2	F.I.	O.H.V.	4720727	SWC10020
5211	5.2L	318	DURANGO	1998 - 2000	V8	MAGNUM 5.2	F.I.	O.H.V.	4720727	SWC10020
5211	5.2L	318	DURANGO	1998 - 2000	V8	MAGNUM 5.2	F.I.	O.H.V.	4720727	SWC10020
										SWC10020 CONTINUED
CHRYSLER, DODGE, EAGLE, JEEP, PLYMOUTH, RAM - CONTINUED										

PISTONS

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PISTON REFERENCE NUMBER	NOA PISTON #	HEAD PAGE #	DIA. mm	1 S T	2 N D	3 R D	O 1	O 2	REMARK
JEEP, PLYMOUTH, RAM									
3685751	X								
3685751	X								
3685751	X								
3685751	X								
3685751	X								
3685751	X								
3685751	X								
3685751	X								
3685751	X								
2808650	X		99.31	1.98	1.98		4.76		Low Compression
2808650	X		3.910	0.078	0.078		0.188		Low Compression
2808650	X								Low Compression
2808650	X								Low Compression
4397779	11-821	331	99.31	1.98	1.98		4.76		
4397779	11-821	331	3.910	0.078	0.078		0.188		
4397779	11-821	331							Normally Aspirated
4397779	11-821	331							Normally Aspirated
4397779	11-821	331							Normally Aspirated
4397779	11-821	331							High Compression
4397779	11-821	331							High Compression
4397779	11-821	331							High Compression
4397779	11-821	331							High Compression
4762947	X		99.31	2.00	2.00		4.00		
4762947	X		3.910	0.079	0.079		0.157		
4762947	X								
4762947	X								
4762947	X								
4773392	X		99.31	2.00	2.00		4.00		16 VALVE
4773392	X		3.910	0.079	0.079		0.157		16 VALVE
4773392	X								16 VALVE
4773392	X								16 VALVE
4773392	X								16 VALVE
4773392	X								16 VALVE
4778855AB	X		99.31	2.00	2.00		4.00		CYL #1,3,5,7, 16 VALVE
4778856AB	X		99.31	2.00	2.00		4.00		CYL #2,4,6,8, 16 VALVE
4778855AB	X		3.910	0.079	0.079		0.157		CYL #1,3,5,7, 16 VALVE
4778856AB	X		3.910	0.079	0.079		0.157		CYL #2,4,6,8, 16 VALVE
CHRYSLER, DODGE, EAGLE, JEEP, PLYMOUTH, RAM - CONTINUED									

U.S. APPLICATIONS

PISTON RINGS

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ENGINE SIZE			MODEL NAME	YEAR	C Y L	ENGINE CODE NUMBER	F.I. CARB DIESEL	O.H.V. S.O.H.C. D.O.H.C.	RING REFERENCE NUMBER	NOA PISTON RING #
cc	L	ci								

CHRYSLER, DODGE, EAGLE,

5211	5.2L	318	Grand Cherokee	1994 - 1998	V8	MAGNUM 5.2	F.I.	O.H.V.	4720727	SWC10020
5211	5.2L	318	Grand Cherokee	1994 - 1998	V8	MAGNUM 5.2	F.I.	O.H.V.	4720727	SWC10020
5211	5.2L	318	RAM VAN	1997 - 2002	V8	MAGNUM 5.2	F.I.	O.H.V.	4720727	SWC10020
5211	5.2L	318	RAM VAN	1997 - 2002	V8	MAGNUM 5.2	F.I.	O.H.V.	4720727	SWC10020
5211	5.2L	318	RAM WAGON	1997 - 1999	V8	MAGNUM 5.2	F.I.	O.H.V.	4720727	SWC10020
5211	5.2L	318	RAM WAGON	1997 - 1999	V8	MAGNUM 5.2	F.I.	O.H.V.	4720727	SWC10020
5211	5.2L	318	RAM WAGON	2000 - 2002	V8	MAGNUM 5.2	F.I.	O.H.V.	4720727	SWC10020
5211	5.2L	318	RAM WAGON	2000 - 2002	V8	MAGNUM 5.2	F.I.	O.H.V.	4720727	SWC10020
5654	5.7L	345	300	2004 - 2006	V8	EZB HEMI 5.7	F.I.	O.H.V.	5086002AA	SWC10016
5654	5.7L	345	300	2004 - 2006	V8	EZB HEMI 5.7	F.I.	O.H.V.	5086002AA	SWC10016
5654	5.7L	345	DURANGO	2004 - 2005	V8	HEMI 5.7	F.I.	O.H.V.	5086002AA	SWC10016
5654	5.7L	345	DURANGO	2004 - 2005	V8	HEMI 5.7	F.I.	O.H.V.	5086002AA	SWC10016
5654	5.7L	345	RAM 1500	2003 - 2005	V8	HEMI 5.7	F.I.	O.H.V.	5086002AA	SWC10016
5654	5.7L	345	RAM 1500	2003 - 2005	V8	HEMI 5.7	F.I.	O.H.V.	5086002AA	SWC10016
5654	5.7L	345	RAM 2500	2003 - 2005	V8	HEMI 5.7	F.I.	O.H.V.	5086002AA	SWC10016
5654	5.7L	345	RAM 2500	2003 - 2005	V8	HEMI 5.7	F.I.	O.H.V.	5086002AA	SWC10016
5654	5.7L	345	RAM 3500	2003 - 2005	V8	HEMI 5.7	F.I.	O.H.V.	5086002AA	SWC10016
5654	5.7L	345	RAM 3500	2003 - 2005	V8	HEMI 5.7	F.I.	O.H.V.	5086002AA	SWC10016
5654	5.7L	345	300	2007 - 2009	V8	EZB HEMI 5.7	F.I.	O.H.V.	5086002AA	SWC10016
5654	5.7L	345	300	2007 - 2009	V8	EZB HEMI 5.7	F.I.	O.H.V.	5086002AA	SWC10016
5654	5.7L	345	ASPEN	2007 - 2010	V8	HEMI 5.7	F.I.	O.H.V.	5086002AA	SWC10016
5654	5.7L	345	ASPEN	2007 - 2010	V8	HEMI 5.7	F.I.	O.H.V.	5086002AA	SWC10016
5654	5.7L	345	ASPEN HYBRID	2009 - 2010	V8	HEMI 5.7H	F.I.	O.H.V.	5086002AA	SWC10016
5654	5.7L	345	ASPEN HYBRID	2009 - 2010	V8	HEMI 5.7H	F.I.	O.H.V.	5086002AA	SWC10016
5654	5.7L	345	CHARGER	2006 - 2009	V8	HEMI 5.7	F.I.	O.H.V.	5086002AA	SWC10016
5654	5.7L	345	CHARGER	2006 - 2009	V8	HEMI 5.7	F.I.	O.H.V.	5086002AA	SWC10016
5654	5.7L	345	COMMANDER	2006 - 2010	V8	HEMI 5.7	F.I.	O.H.V.	5086002AA	SWC10016
5654	5.7L	345	COMMANDER	2006 - 2010	V8	HEMI 5.7	F.I.	O.H.V.	5086002AA	SWC10016
5654	5.7L	345	DURANGO	2006 - 2009	V8	HEMI 5.7	F.I.	O.H.V.	5086002AA	SWC10016
5654	5.7L	345	DURANGO	2006 - 2009	V8	HEMI 5.7	F.I.	O.H.V.	5086002AA	SWC10016
5654	5.7L	345	DURANGO HYBRID	2009 - 2010	V8	HEMI 5.7H	F.I.	O.H.V.	5086002AA	SWC10016
5654	5.7L	345	DURANGO HYBRID	2009 - 2010	V8	HEMI 5.7H	F.I.	O.H.V.	5086002AA	SWC10016
5654	5.7L	345	Grand Cherokee	2005 - 2009	V8	HEMI 5.7	F.I.	O.H.V.	5086002AA	SWC10016
5654	5.7L	345	Grand Cherokee	2005 - 2009	V8	HEMI 5.7	F.I.	O.H.V.	5086002AA	SWC10016
5654	5.7L	345	MAGNUM	2005 - 2010	V8	EZB HEMI 5.7	F.I.	O.H.V.	5086002AA	SWC10016
5654	5.7L	345	MAGNUM	2005 - 2010	V8	EZB HEMI 5.7	F.I.	O.H.V.	5086002AA	SWC10016
5654	5.7L	345	RAM 1500	2006 - 2009	V8	HEMI 5.7	F.I.	O.H.V.	5086002AA	SWC10016
5654	5.7L	345	RAM 1500	2006 - 2009	V8	HEMI 5.7	F.I.	O.H.V.	5086002AA	SWC10016
5654	5.7L	345	RAM 2500	2006 - 2009	V8	HEMI 5.7	F.I.	O.H.V.	5086002AA	SWC10016
5654	5.7L	345	RAM 2500	2006 - 2009	V8	HEMI 5.7	F.I.	O.H.V.	5086002AA	SWC10016
5654	5.7L	345	RAM 3500	2006 - 2009	V8	HEMI 5.7	F.I.	O.H.V.	5086002AA	SWC10016
5654	5.7L	345	RAM 3500	2006 - 2009	V8	HEMI 5.7	F.I.	O.H.V.	5086002AA	SWC10016
5654	5.7L	345	RAM 3500 Chassis Cab	2007 - 2009	V8	HEMI 5.7	F.I.	O.H.V.	5086002AA	SWC10016
5654	5.7L	345	RAM 3500 Chassis Cab	2007 - 2009	V8	HEMI 5.7	F.I.	O.H.V.	5086002AA	SWC10016

CHRYSLER, DODGE, EAGLE, JEEP, PLYMOUTH, RAM - CONTINUED

PISTONS

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PISTON REFERENCE NUMBER	NOA PISTON #	HEAD PAGE #	DIA. mm	1	2	3	O	O	REMARK
				S	N	R	1	2	
JEEP, PLYMOUTH, RAM									
4778855AB	X		99.31	2.00	2.00		4.00		CYL #1,3,5,7, 16 VALVE
4778856AB	X		99.31	2.00	2.00		4.00		CYL #2,4,6,8, 16 VALVE
4778855AB	X		3.910	0.079	0.079		0.157		CYL #1,3,5,7, 16 VALVE
4778856AB	X		3.910	0.079	0.079		0.157		CYL #2,4,6,8, 16 VALVE
4778855AB	X								CYL #1,3,5,7, 16 VALVE
4778856AB	X								CYL #2,4,6,8, 16 VALVE
4778855AB	X								CYL #1,3,5,7, 16 VALVE
4778856AB	X								CYL #2,4,6,8, 16 VALVE
5086011AB	11-873	343	99.50	1.50	1.50		3.00		RIGHT, 16 VALVE
5086010AB	11-873	343	99.50	1.50	1.50		3.00		LEFT, 16 VALVE
5086011AB	11-873	343	3.917	0.059	0.059		0.118		RIGHT, 16 VALVE
5086010AB	11-873	343	3.917	0.059	0.059		0.118		LEFT, 16 VALVE
5086011AB	11-873	343							RIGHT, 16 VALVE
5086010AB	11-873	343							LEFT, 16 VALVE
5086011AB	11-873	343							RIGHT, 16 VALVE
5086010AB	11-873	343							LEFT, 16 VALVE
5086011AB	11-873	343							RIGHT, 16 VALVE
5086010AB	11-873	343							LEFT, 16 VALVE
53021538AD	11-861	340	99.50	1.50	1.50		3.00		RIGHT, 16 VALVE
53021539AD	11-861	340	99.50	1.50	1.50		3.00		LEFT, 16 VALVE
53021538AD	11-861	340	3.917	0.059	0.059		0.118		RIGHT, 16 VALVE
53021539AD	11-861	340	3.917	0.059	0.059		0.118		LEFT, 16 VALVE
53021538AD	11-861	340							RIGHT, 16 VALVE
53021539AD	11-861	340							LEFT, 16 VALVE
53021538AD	11-861	340							RIGHT, 16 VALVE
53021539AD	11-861	340							LEFT, 16 VALVE
53021538AD	11-861	340							RIGHT, 16 VALVE
53021539AD	11-861	340							LEFT, 16 VALVE
53021538AD	11-861	340							RIGHT, 16 VALVE
53021539AD	11-861	340							LEFT, 16 VALVE
53021538AD	11-861	340							RIGHT, 16 VALVE
53021539AD	11-861	340							LEFT, 16 VALVE
53021538AD	11-861	340							RIGHT, 16 VALVE
53021539AD	11-861	340							LEFT, 16 VALVE
53021538AD	11-861	340							RIGHT, 16 VALVE
53021539AD	11-861	340							LEFT, 16 VALVE
53021538AD	11-861	340							RIGHT, 16 VALVE
53021539AD	11-861	340							LEFT, 16 VALVE
53021538AD	11-861	340							RIGHT, 16 VALVE
53021539AD	11-861	340							LEFT, 16 VALVE
53021538AD	11-861	340							RIGHT, 16 VALVE
53021539AD	11-861	340							LEFT, 16 VALVE
CHRYSLER, DODGE, EAGLE, JEEP, PLYMOUTH, RAM - CONTINUED									

U.S. APPLICATIONS

PISTON RINGS

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ENGINE SIZE			MODEL NAME	YEAR	C Y L	ENGINE CODE NUMBER	F.I. CARB DIESEL	O.H.V. S.O.H.C. D.O.H.C.	RING REFERENCE NUMBER	NOA PISTON RING #
cc	L	ci								
5654	5.7L	345	300	2010 - 2015	V8	EZB HEMI 5.7	F.I.	O.H.V.	68046210AB	SWC10024
5654	5.7L	345	300	2010 - 2015	V8	EZB HEMI 5.7	F.I.	O.H.V.	68046210AB	SWC10024
5654	5.7L	345	CHALLENGER	2009 - 2015	V8	HEMI 5.7	F.I.	O.H.V.	68046210AB	SWC10024
5654	5.7L	345	CHALLENGER	2009 - 2015	V8	HEMI 5.7	F.I.	O.H.V.	68046210AB	SWC10024
5654	5.7L	345	CHARGER	2010 - 2015	V8	HEMI 5.7	F.I.	O.H.V.	68046210AB	SWC10024
5654	5.7L	345	CHARGER	2010 - 2015	V8	HEMI 5.7	F.I.	O.H.V.	68046210AB	SWC10024
5654	5.7L	345	DURANGO	2010 - 2015	V8	HEMI 5.7	F.I.	O.H.V.	68046210AB	SWC10024
5654	5.7L	345	DURANGO	2010 - 2015	V8	HEMI 5.7	F.I.	O.H.V.	68046210AB	SWC10024
5654	5.7L	345	Grand Cherokee	2010 - 2015	V8	HEMI 5.7	F.I.	O.H.V.	68046210AB	SWC10024
5654	5.7L	345	Grand Cherokee	2010 - 2015	V8	HEMI 5.7	F.I.	O.H.V.	68046210AB	SWC10024
5654	5.7L	345	RAM 1500	2010 - 2015	V8	HEMI 5.7	F.I.	O.H.V.	68046210AB	SWC10024
5654	5.7L	345	RAM 1500	2010 - 2015	V8	HEMI 5.7	F.I.	O.H.V.	68046210AB	SWC10024
5654	5.7L	345	RAM 2500	2010 - 2015	V8	HEMI 5.7	F.I.	O.H.V.	68046210AB	SWC10024
5654	5.7L	345	RAM 2500	2010 - 2015	V8	HEMI 5.7	F.I.	O.H.V.	68046210AB	SWC10024
5654	5.7L	345	RAM 3500	2010 - 2015	V8	HEMI 5.7	F.I.	O.H.V.	68046210AB	SWC10024
5654	5.7L	345	RAM 3500	2010 - 2015	V8	HEMI 5.7	F.I.	O.H.V.	68046210AB	SWC10024
5654	5.7L	345	RAM 3500 Chassis Cab	2010 - 2015	V8	HEMI 5.7	F.I.	O.H.V.	68046210AB	SWC10024
5654	5.7L	345	RAM 3500 Chassis Cab	2010 - 2015	V8	HEMI 5.7	F.I.	O.H.V.	68046210AB	SWC10024
5899	5.9L	360	PICKUP	1974 - 1985	V8	LA 360	CARB	O.H.V.	3780016	SWF80016
5899	5.9L	360	RAM VAN	1974 - 1985	V8	LA 360	CARB	O.H.V.	3780016	SWF80016
5899	5.9L	360	RAM WAGON	1974 - 1985	V8	LA 360	CARB	O.H.V.	3780016	SWF80016
5899	5.9L	360	RAMCHARGER	1974 - 1985	V8	LA 360	CARB	O.H.V.	3780016	SWF80016
5899	5.9L	360	TRAILDUSTER	1974 - 1981	V8	LA 360	CARB	O.H.V.	3780016	SWF80016
5899	5.9L	360	VOYAGER	1974 - 1983	V8	LA 360	CARB	O.H.V.	3780016	SWF80016
5899	5.9L	360	ASPEN	1980 ONLY	V8	LA 360	CARB	O.H.V.	3579044	SWF80016
5899	5.9L	360	CORDOBA	1980 ONLY	V8	LA 360	CARB	O.H.V.	3579044	SWF80016
5899	5.9L	360	GRAN FURY	1980 ONLY	V8	LA 360	CARB	O.H.V.	3579044	SWF80016
5899	5.9L	360	MIRADA	1980 ONLY	V8	LA 360	CARB	O.H.V.	3579044	SWF80016
5899	5.9L	360	NEW YORKER	1980 ONLY	V8	LA 360	CARB	O.H.V.	3579044	SWF80016
5899	5.9L	360	NEWPORT	1980 ONLY	V8	LA 360	CARB	O.H.V.	3579044	SWF80016
5899	5.9L	360	PICKUP	1974 - 1991	V8	LA 360	C & F	O.H.V.	3780016	SWF80016
5899	5.9L	360	RAM VAN	1974 - 1985	V8	LA 360	CARB	O.H.V.	3780016	SWF80016
5899	5.9L	360	RAM VAN	1986 - 1987	V8	LA 360	C & F	O.H.V.	3780016	SWF80016
5899	5.9L	360	RAM WAGON	1974 - 1985	V8	LA 360	CARB	O.H.V.	3780016	SWF80016
5899	5.9L	360	RAM WAGON	1986 - 1987	V8	LA 360	C & F	O.H.V.	3780016	SWF80016
5899	5.9L	360	RAMCHARGER	1974 - 1991	V8	LA 360	C & F	O.H.V.	3780016	SWF80016
5899	5.9L	360	St. Regis	1980 - 1981	V8	LA 360	CARB	O.H.V.	3579044	SWF80016
5899	5.9L	360	TRAILDUSTER	1974 - 1981	V8	LA 360	CARB	O.H.V.	3780016	SWF80016
5899	5.9L	360	VOLARE	1980 ONLY	V8	LA 360	CARB	O.H.V.	3579044	SWF80016
5899	5.9L	360	VOYAGER	1974 - 1983	V8	LA 360	CARB	O.H.V.	3780016	SWF80016
5899	5.9L	360	PICKUP	1992 - 1993	V8	MAGNUM 5.9	F.I.	O.H.V.	3579044	SWF80016
5899	5.9L	360	RAM VAN	1988 - 1993	V8	MAGNUM 5.9	F.I.	O.H.V.	3579044	SWF80016
5899	5.9L	360	RAM WAGON	1988 - 1993	V8	MAGNUM 5.9	F.I.	O.H.V.	3579044	SWF80016
5899	5.9L	360	RAMCHARGER	1992 - 1993	V8	MAGNUM 5.9	F.I.	O.H.V.	3579044	SWF80016

PISTONS

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PISTON REFERENCE NUMBER	NOA PISTON #	HEAD PAGE #	DIA. mm	1 S T	2 N D	3 R D	O 1	O 2	REMARK
JEEP, PLYMOUTH, RAM									
53022257AE	11-913	352	99.50	1.20	1.20		2.00		RIGHT, 16 VALVE
53022257AE	11-913	352	99.50	1.20	1.20		2.00		LEFT, 16 VALVE
53022257AE	11-913	352	3.917	0.047	0.047		0.079		RIGHT, 16 VALVE
53022257AE	11-913	352	3.917	0.047	0.047		0.079		LEFT, 16 VALVE
53022257AE	11-913	352							RIGHT, 16 VALVE
53022257AE	11-913	352							LEFT, 16 VALVE
53022257AE	11-913	352							RIGHT, 16 VALVE
53022257AE	11-913	352							LEFT, 16 VALVE
53022257AE	11-913	352							RIGHT, 16 VALVE
53022257AE	11-913	352							LEFT, 16 VALVE
53022257AE	11-913	352							RIGHT, 16 VALVE
53022257AE	11-913	352							LEFT, 16 VALVE
53022257AE	11-913	352							RIGHT, 16 VALVE
53022257AE	11-913	352							LEFT, 16 VALVE
53022257AE	11-913	352							RIGHT, 16 VALVE
53022257AE	11-913	352							LEFT, 16 VALVE
4026472	X		101.60	1.98	1.98		4.76		Low Compression
4026472	X		4.000	0.078	0.078		0.188		Low Compression
4026472	X								Low Compression
4026472	X								Low Compression
4026472	X								Low Compression
4026472	X								Low Compression
4494480	X		101.60	1.98	1.98		4.76		
4494480	X		4.000	0.078	0.078		0.188		
4494480	X								
4494480	X								
4494480	X								
4494480	X								High Compression
4494480	X								High Compression
4494480	X								High Compression
4494480	X								High Compression
4494480	X								High Compression
4494480	X								High Compression
4494480	X								High Compression
4494480	X								High Compression
4494480	X								High Compression
4494480	X								High Compression
4494480	X		101.60	1.98	1.98		4.76		
4494480	X		4.000	0.078	0.078		0.188		
4494480	X								
4494480	X								

U.S. APPLICATIONS

PISTON RINGS

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ENGINE SIZE			MODEL NAME	YEAR	CYL	ENGINE CODE NUMBER	F.I. CARB DIESEL	O.H.V. S.O.H.C. D.O.H.C.	RING REFERENCE NUMBER	NOA PISTON RING #
cc	L	ci								
CHRYSLER, DODGE, EAGLE,										
5899	5.9L	360	PICKUP	1989 - 1993	6	6BT	DIESEL	O.H.V.	4638644	SDC10022
5899	5.9L	360	RAMCHARGER	1989 - 1993	6	6BT	DIESEL	O.H.V.	4638644	SDC10022
5899	5.9L	360	PICKUP	1989 - 1993	6	6BT	DIESEL	O.H.V.	4638644	SDC10022
5899	5.9L	360	RAMCHARGER	1989 - 1993	6	6BT	DIESEL	O.H.V.	4638644	SDC10022
5899	5.9L	360	PICKUP	1994 - 1998	6	6BT	DIESEL	O.H.V.	4638644	SDC10022
5899	5.9L	360	PICKUP	1997 - 1998	6	6BT	DIESEL	O.H.V.	4638644	SDC10022
5899	5.9L	360	RAM 2500	1997 ONLY	6	6BT	DIESEL	O.H.V.	5011858AA	SDC10022
5899	5.9L	360	RAM 3500	1997 ONLY	6	6BT	DIESEL	O.H.V.	5011858AA	SDC10022
5899	5.9L	360	PICKUP	1998 - 2002	6	ISB 5.9	DIESEL	O.H.V.	5011858AA	SDC10022
5899	5.9L	360	RAM 2500	1998 - 2002	6	ISB 5.9	DIESEL	O.H.V.	5011858AA	SDC10022
5899	5.9L	360	RAM 3500	1998 - 2002	6	ISB 5.9	DIESEL	O.H.V.	5011858AA	SDC10022
5899	5.9L	360	RAM 2500	2003 - 2008	6	ISB 5.9	DIESEL	O.H.V.	4089258	SDC10022
5899	5.9L	360	RAM 3500	2003 - 2008	6	ISB 5.9	DIESEL	O.H.V.	4089258	SDC10022
6424	6.4L	392	300	2012 - 2015	V8	HEMI 6.4	F.I.	O.H.V.	68092206AA	NA
6424	6.4L	392	300	2012 - 2015	V8	HEMI 6.4	F.I.	O.H.V.	68092206AA	NA
6424	6.4L	392	CHALLENGER	2011 - 2015	V8	HEMI 6.4	F.I.	O.H.V.	68092206AA	NA
6424	6.4L	392	CHALLENGER	2011 - 2015	V8	HEMI 6.4	F.I.	O.H.V.	68092206AA	NA
6424	6.4L	392	CHARGER	2011 - 2015	V8	HEMI 6.4	F.I.	O.H.V.	68092206AA	NA
6424	6.4L	392	CHARGER	2011 - 2015	V8	HEMI 6.4	F.I.	O.H.V.	68092206AA	NA
6424	6.4L	392	Grand Cherokee	2012 - 2015	V8	HEMI 6.4	F.I.	O.H.V.	68092206AA	NA
6424	6.4L	392	Grand Cherokee	2012 - 2015	V8	HEMI 6.4	F.I.	O.H.V.	68092206AA	NA
6690	6.7L	408	RAM 2500	2007 - 2015	L6	B6.7	DIESEL	O.H.V.	4955366	SDC10023
6690	6.7L	408	RAM 3500	2009 - 2015	L6	B6.7	DIESEL	O.H.V.	4955366	SDC10023
6690	6.7L	408	RAM 4500 Chassis Cab	2007 - 2015	L6	B6.7	DIESEL	O.H.V.	4955366	SDC10023
6690	6.7L	408	RAM 5500 Chassis Cab	2007 - 2015	L6	B6.7	DIESEL	O.H.V.	4955366	SDC10023
7997	8.0L	488	VIPER	1992 - 1994	V10	CID 488	F.I.	O.H.V.	-	NA
7997	8.0L	488	VIPER	1995 - 1996	V10	CID 488	F.I.	O.H.V.	-	NA
CHRYSLER, DODGE, EAGLE, JEEP, PLYMOUTH, RAM - END										

PISTONS

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PISTON REFERENCE NUMBER	NOA PISTON #	HEAD PAGE #	DIA. mm	1 S T	2 N D	3 R D	O 1	O 2	REMARK
JEEP, PLYMOUTH, RAM									
4429160	X		102.00	3.0K	2.35		4.00		
4429160	X		4.016	0.118K	0.093		0.157		
4638653	X		102.00	3.0K	2.35		4.00		w/ Intercooler
4638653	X		4.016	0.118K	0.093		0.157		w/ Intercooler
4746627	X		102.00	3.0K	2.35		4.00		AUTO TRANS, 12 VALVE
			4.016	0.118K	0.093		0.157		
4882115	X		102.00	3.0K	2.35		4.00		STD TRANS, 12 VALVE
			4.016	0.118K	0.093		0.157		
5015810AA	X		102.00	3.0K	2.35		4.00		12 VALVE
5015810AA	X		4.016	0.118K	0.093		0.157		12 VALVE
5018093AA	X		102.00	3.0K	2.35		4.00		24 VALVE
5018093AA	X		4.016	0.118K	0.093		0.157		24 VALVE
5018093AA	X								24 VALVE
3970192	11-856	339	102.00	3.0K	2.35		4.00		24 VALVE
3970192	11-856	339	4.016	0.118K	0.093		0.157		24 VALVE
68090673AA	X		103.89						SRT-8, RIGHT, 16 VALVE
68090672AA	X		103.89						SRT-8, LEFT, 16 VALVE
68090673AA	X		4.090	0.000	0.000		0.000		SRT-8, RIGHT, 16 VALVE
68090672AA	X		4.090	0.000	0.000		0.000		SRT-8, LEFT, 16 VALVE
68090673AA	X								SRT-8, RIGHT, 16 VALVE
68090672AA	X								SRT-8, LEFT, 16 VALVE
68090673AA	X								SRT-8, RIGHT, 16 VALVE
68090672AA	X								SRT-8, LEFT, 16 VALVE
4955365	11-885	345	107.00	3.0K	2.50		3.50		w/ TURBO, 24 VALVE
4955365	11-885	345	4.213	0.118K	0.098		0.138		w/ TURBO, 24 VALVE
4955365	11-885	345							w/ TURBO, 24 VALVE
4955365	11-885	345							w/ TURBO, 24 VALVE
4773786	X		101.60	1.50	1.50		3.00		20 VALVE
5245971	X		4.000	0.059	0.059		0.118		20 VALVE
CHRYSLER, DODGE, EAGLE, JEEP, PLYMOUTH, RAM - END									

U.S. APPLICATIONS

PISTON RINGS

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RED = NEW INFORMATION

ENGINE SIZE			MODEL NAME	YEAR	C Y L	ENGINE CODE NUMBER	F.I. CARB DIESEL	O.H.V. S.O.H.C. D.O.H.C.	RING REFERENCE NUMBER	NOA PISTON RING #
cc	L	ci								

DAIHATSU

997	1.0L	61	CHARADE	1988 - 1992	3	CB10, G10	F.I.		13011-87727-000	SWD10036
1295	1.3L	79	CHARADE	1988 - 1992	4	G102S, HCE	F.I.	S.O.H.C.	13011-87108-000	SWD10031
1589	1.6L	97	ROCKY	1988 - 1992	4	HDE	F.I.	S.O.H.C.	13011-87108-000	SWD10031
DAIHATSU - END										

U.S. APPLICATIONS

PISTON RINGS

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ENGINE SIZE			MODEL NAME	YEAR	CYL	ENGINE CODE NUMBER	F.I. CARB DIESEL	O.H.V. S.O.H.C. D.O.H.C.	RING REFERENCE NUMBER	NOA PISTON RING #
cc	L	ci								

FORD, LINCOLN, MERCURY, MERKER

1322	1.3L	81	ASPIRE	1994 - 1995	4	1.3L	F.I.	S.O.H.C.	F4BZ 6149 A	SWT20052
1322	1.3L	81	ASPIRE	1996 - 1997	4	1.3L	F.I.	S.O.H.C.	F4BZ 6149 A	SWT20052
1324	1.3L	81	FESTIVA	1988 - 1993	4	1.3L	CARB	S.O.H.C.	E9BZ 6149 A	SWT20052
1499	1.5L	91	FUSION	2014 - 2015	4	EcoBoost 15T	F.I.	D.O.H.C.	CJ5Z 6148 A	NA
1596	1.6L	97	FIESTA	2011 - 2015	4	DURATEC 16	F.I.	D.O.H.C.	BE8Z 6148 A	NA
1596	1.6L	97	ESCAPE	2013 - 2015	4	EcoBoost 16T	F.I.	D.O.H.C.	CJ5Z 6148 A	NA
1596	1.6L	97	FUSION	2013 - 2015	4	EcoBoost 16T	F.I.	D.O.H.C.	CJ5Z 6148 A	NA
1596	1.6L	97	TRANSIT CONNECT	2014 - 2015	4	EcoBoost 16T	F.I.	D.O.H.C.	CJ5Z 6148 A	NA
1597	1.6L	97	TRACER	1987 - 1989	4	B6	F.I.	S.O.H.C.	E8GY 6149 A	SWT20060
1597	1.6L	97	CAPRI	1991 - 1994	4	B6	F.I.	S.O.H.C.	E8GY 6149 A	SWT20060
1597	1.6L	97	CAPRI	1991 - 1994	4	B6	F.I.	S.O.H.C.	E8GY 6149 A	SWT20060
1839	1.8L	112	ESCORT	1990 - 1996	4	BP05	F.I.	D.O.H.C.	FOCZ 6149 A	SWT20066
1839	1.8L	112	TRACER	1990 - 1996	4	BP05	F.I.	D.O.H.C.	FOCZ 6149 A	SWT20066
1901	1.9L	116	COUGER	1987 ONLY	4	CVH 1.9	F.I.	S.O.H.C.	FOCZ 6148 A	SWF30010
1901	1.9L	116	ESCORT	1987 - 1990	4	CVH 1.9	F.I.	S.O.H.C.	FOCZ 6148 A	SWF30010
1901	1.9L	116	ESCORT EXP	1987 ONLY	4	CVH 1.9	F.I.	S.O.H.C.	FOCZ 6148 A	SWF30010
1901	1.9L	116	Grand Marquis	1987 ONLY	4	CVH 1.9	F.I.	S.O.H.C.	FOCZ 6148 A	SWF30010
1901	1.9L	116	LTD Crown Victoria	1987 - 1988	4	CVH 1.9	F.I.	S.O.H.C.	FOCZ 6148 A	SWF30010
1901	1.9L	116	LYNX	1987 ONLY	4	CVH 1.9	F.I.	S.O.H.C.	FOCZ 6148 A	SWF30010
1901	1.9L	116	MUSTANG	1987 - 1988	4	CVH 1.9	F.I.	S.O.H.C.	FOCZ 6148 A	SWF30010
1901	1.9L	116	SABLE	1987 ONLY	4	CVH 1.9	F.I.	S.O.H.C.	FOCZ 6148 A	SWF30010
1901	1.9L	116	TEMPO	1988 ONLY	4	CVH 1.9	F.I.	S.O.H.C.	FOCZ 6148 A	SWF30010
1901	1.9L	116	THUNDERBIRD	1987 - 1988	4	CVH 1.9	F.I.	S.O.H.C.	FOCZ 6148 A	SWF30010
FORD, LINCOLN, MERCURY, MERKER - CONTINUED										

PISTONS

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PISTON REFERENCE NUMBER	NOA PISTON #	HEAD PAGE #	DIA. mm	1 S T	2 N D	3 R D	O 1	O 2	REMARK
FORD, LINCOLN, MERCURY, MERKER									
F4BZ 6108 A	X		71.00	1.20	1.50		3.00		8 VALVE
			2.795	0.047	0.059		0.118		
F6BZ 6108 AA	X		71.00	1.20	1.50		3.00		8 VALVE
			2.795	0.047	0.059		0.118		
E8BZ 6108 A	11-589	295	71.00	1.20	1.50		3.00		8 VALVE
			2.795	0.047	0.059		0.118		
-	X		79.00						w/ TURBO, 16 VALVE
			3.110	0.000	0.000		0.000		
BE8Z 6108 F	X		79.00						16 VALVE
			3.110	0.000	0.000		0.000		
CJ5Z 6108 B	X		79.00						w/ TURBO, 16 VALVE
CJ5Z 6108 B	X		3.110	0.000	0.000		0.000		w/ TURBO, 16 VALVE
CJ5Z 6108 B	X								w/ TURBO, 16 VALVE
E9GZ 6108 A	DISC. 11-577		78.00	1.50	1.50		4.00		MAZDA Engine, 8 VALVE
			3.071	0.059	0.059		0.157		
F1JY 6108 A	X		78.00	1.50	1.50		4.00		MAZDA Engine, w/ TURBO
			3.071	0.059	0.059		0.157		
FOJY 6108 A	X		78.00	1.50	1.50		4.00		MAZDA Engine, Normally Aspirated
			3.071	0.059	0.059		0.157		
F4CZ 6108 A	X		83.00	1.50	1.50		3.00		MAZDA Engine, 16 VALVE
F4CZ 6108 A	X		3.268	0.059	0.059		0.118		MAZDA Engine, 16 VALVE
E7FZ 6108 DB	X		81.94	1.50	1.50		3.00		TBI, RED, 8 VALVE
E7FZ 6108 DB	X		3.226	0.059	0.059		0.118		TBI, RED, 8 VALVE
E7FZ 6108 DB	X								TBI, RED, 8 VALVE
E7FZ 6108 DB	X								TBI, RED, 8 VALVE
E7FZ 6108 DB	X								TBI, RED, 8 VALVE
E7FZ 6108 DB	X								TBI, RED, 8 VALVE
E7FZ 6108 DB	X								TBI, RED, 8 VALVE
E7FZ 6108 DB	X								TBI, RED, 8 VALVE
E7FZ 6108 DB	X								TBI, RED, 8 VALVE
E7FZ 6108 DB	X								TBI, RED, 8 VALVE
E7FZ 6108 DB	X								TBI, RED, 8 VALVE
FORD, LINCOLN, MERCURY, MERKER - CONTINUED									

U.S. APPLICATIONS

PISTON RINGS

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ENGINE SIZE			MODEL NAME	YEAR	C Y L	ENGINE CODE NUMBER	F.I. CARB DIESEL	O.H.V. S.O.H.C. D.O.H.C.	RING REFERENCE NUMBER	NOA PISTON RING #
cc	L	ci								
FORD, LINCOLN, MERCURY, MERKER										
1901	1.9L	116	COUGER	1987 ONLY	4	CVH 1.9	F.I.	S.O.H.C.	FOCZ 6148 A	SWF30010
1901	1.9L	116	ESCORT	1987 - 1996	4	CVH 1.9	F.I.	S.O.H.C.	FOCZ 6148 A	SWF30010
1901	1.9L	116	ESCORT EXP	1987 - 1988	4	CVH 1.9	F.I.	S.O.H.C.	FOCZ 6148 A	SWF30010
1901	1.9L	116	LYNX	1987 ONLY	4	CVH 1.9	F.I.	S.O.H.C.	FOCZ 6148 A	SWF30010
1901	1.9L	116	TEMPO	1987 ONLY	4	CVH 1.9	F.I.	S.O.H.C.	FOCZ 6148 A	SWF30010
1901	1.9L	116	THUNDERBIRD	1987 ONLY	4	CVH 1.9	F.I.	S.O.H.C.	FOCZ 6148 A	SWF30010
1901	1.9L	116	TOPAZ	1987 ONLY	4	CVH 1.9	F.I.	S.O.H.C.	FOCZ 6148 A	SWF30010
1901	1.9L	116	TRACER	1991 - 1996	4	CVH 1.9	F.I.	S.O.H.C.	FOCZ 6148 A	SWF30010
1970	2.0L	120	COURIER PICKUP	1979 - 1982	4	MA	CARB	S.O.H.C.	-	SWT20031
1986	2.0L	121	ESCORT	1997 - 2002	4	CVH 2.0	F.I.	S.O.H.C.	F7CZ 6148 AA	SWF30005
1986	2.0L	121	TRACER	1997 - 1999	4	CVH 2.0	F.I.	S.O.H.C.	F7CZ 6148 AA	SWF30005
1986	2.0L	121	FOCUS	2000 - 2005	4	CVH 2.0	F.I.	S.O.H.C.	F7CZ 6148 AA	SWF30005
1986	2.0L	121	FOCUS	2003 - 2008	4	CVH 2.0	F.I.	S.O.H.C.	2MGZ 6135 AA	NA
1991	2.0L	121	PROBE	1993 - 1997	4	FS	F.I.	D.O.H.C.	E62Z 6149 AA	SWF30001
1991	2.0L	121	CONTOUR	1995 - 1997	4	ZETEC-E 2.0	F.I.	D.O.H.C.	F5RZ 6148 A	SWF30007
1991	2.0L	121	MYSTIQUE	1995 - 1997	4	ZETEC-E 2.0	F.I.	D.O.H.C.	F5RZ 6148 A	SWF30007
1991	2.0L	121	CONTOUR	1998 - 2000	4	ZETEC-R 2.0	F.I.	D.O.H.C.	F8CZ 6148 AA	SWF30002
1991	2.0L	121	COUGER	1999 ONLY	4	ZETEC-R 2.0	F.I.	D.O.H.C.	F8CZ 6148 AA	SWF30002
1991	2.0L	121	ESCORT	1998 - 1999	4	ZETEC-R 2.0	F.I.	D.O.H.C.	F8CZ 6148 AA	SWF30002
1991	2.0L	121	MYSTIQUE	1998 - 2000	4	ZETEC-R 2.0	F.I.	D.O.H.C.	F8CZ 6148 AA	SWF30002
1991	2.0L	121	COUGER	2001 - 2002	4	ZETEC-R 2.0	F.I.	D.O.H.C.	F8CZ 6148 AA	SWF30002
1991	2.0L	121	ESCAPE	2001 - 2004	4	ZETEC-R 2.0	F.I.	D.O.H.C.	F8CZ 6148 AA	SWF30002
1991	2.0L	121	FOCUS	2000 - 2004	4	ZETEC-R 2.0	F.I.	D.O.H.C.	F8CZ 6148 AA	SWF30002
1991	2.0L	121	FOCUS	2003 - 2005	4	ZETEC-R 2.0	F.I.	D.O.H.C.	YS4Z 6135 AA	SWF30002
1991	2.0L	121	ZX2	2000 - 2003	4	ZETEC-R 2.0	F.I.	D.O.H.C.	F8CZ 6148 AA	SWF30002
1999	2.0L	122	FOCUS	2005 - 2010	4	DURATEC 20 LF	F.I.	D.O.H.C.	8S7Z 6312 A	SWT20090
1999	2.0L	122	TRANSIT CONNECT	2010 - 2013	4	DURATEC 20 LF	F.I.	D.O.H.C.	3S4Z 6148 BA	SWT20090
1999	2.0L	122	FOCUS	2011 - 2015	4	DURATEC 20 HE	F.I.	D.O.H.C.	CM5Z 6148 AB	SWF30023
1999	2.0L	122	C-MAX ENERGI	2013 - 2015	4	DURATEC 20H	F.I.	D.O.H.C.	CM5Z 6148 AB	SWF30023
1999	2.0L	122	C-MAX HYBRID	2013 - 2015	4	DURATEC 20H	F.I.	D.O.H.C.	CM5Z 6148 AB	SWF30023
1999	2.0L	122	FUSION HYBRID	2013 - 2015	4	DURATEC 20H	F.I.	D.O.H.C.	CM5Z 6148 AB	SWF30023
1999	2.0L	122	MKZ HYBRID	2013 - 2015	4	DURATEC 20H	F.I.	D.O.H.C.	CM5Z 6148 AB	SWF30023

PISTONS

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PISTON REFERENCE NUMBER	NOA PISTON #	HEAD PAGE #	DIA. mm	1 S T	2 N D	3 R D	O 1	O 2	REMARK
FORD, LINCOLN, MERCURY, MERKER									
F1CZ 6108 A	X		81.94	1.50	1.50		3.00		TBI, RED, 8 VALVE
F1CZ 6108 A	X		3.226	0.059	0.059		0.118		TBI, RED, 8 VALVE
F1CZ 6108 A	X								TBI, RED, 8 VALVE
F1CZ 6108 A	X								TBI, RED, 8 VALVE
F1CZ 6108 A	X								TBI, RED, 8 VALVE
F1CZ 6108 A	X								TBI, RED, 8 VALVE
F1CZ 6108 A	X								TBI, RED, 8 VALVE
F1CZ 6108 A	X								TBI, RED, 8 VALVE
-	DISC. 11-130		80.00	1.20	1.50		4.00		MAZDA Engine, 8 VALVE
			3.150	0.047	0.059		0.157		
1S4Z 6100 AA	11-822	331	84.86	1.50	1.50		3.00		VIN-P, 8 VALVE
1S4Z 6100 AB	11-822	331	3.341	0.059	0.059		0.118		VIN-P, 8 VALVE
2M5Z 6100 AAA	X		84.86	1.50	1.50		3.00		LX, SE Models, VIN-P, 8 VALVE
			3.341	0.059	0.059		0.118		
2M50 6100 AA	X		84.86	1.20	1.50		3.00		LX, SE Models, VIN-5, 8 VALVE
			3.341	0.047	0.059		0.118		
F72Z 6108 AA	11-706	310	83.00	1.20	1.50		3.00		MAZDA Engine, 16 VALVE
			3.268	0.047	0.059		0.118		
F5RZ 6108 A	X		84.86	1.50	1.75		3.00		VIN-Z, 16 VALVE
F5RZ 6108 A	X		3.341	0.059	0.069		0.118		VIN-Z, 16 VALVE
F8CZ 6108 AA	X		84.80	1.50	1.75		3.00		16 VALVE
F8CZ 6108 AA	X		3.339	0.059	0.069		0.118		RED, 16 VALVE
F8CZ 6108 AA	X								16 VALVE
F8CZ 6108 AA	X								16 VALVE
XS7Z 6100 AA	11-865	341	84.80	1.50	1.75		3.00		16 VALVE
XS7Z 6100 AA	11-865	341	3.339	0.059	0.069		0.118		16 VALVE
XS7Z 6100 AA	11-865	341							ZX3, ZX5, ZTS Models, 16 VALVE
XS7Z 6100 AA	11-865	341							SVT Model, 16 VALVE
XS7Z 6100 AA	11-865	341							16 VALVE
4S4Z 6108 A	X		87.50	1.20	1.20		2.50		Mk.I, 16 VALVE
4S4Z 6108 A	X		3.445	0.047	0.047		0.098		16 VALVE
CP9Z 6108 A	X		87.50	1.20	1.20		2.00		Mk.II, 16 VALVE
			3.445	0.047	0.047		0.079		
DS7Z 6108 A	X		87.50	1.20	1.20		2.00		Atkinson Cycle, HYBRID, 16 VALVE
DS7Z 6108 A	X		3.445	0.047	0.047		0.079		Atkinson Cycle, 16 VALVE
DS7Z 6108 A	X								Atkinson Cycle, 16 VALVE
DS7Z 6108 A	X								Atkinson Cycle, 16 VALVE

U.S. APPLICATIONS

PISTON RINGS

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ENGINE SIZE			MODEL NAME	YEAR	CYL	ENGINE CODE NUMBER	F.I. CARB DIESEL	O.H.V. S.O.H.C. D.O.H.C.	RING REFERENCE NUMBER	NOA PISTON RING #
cc	L	ci								

FORD, LINCOLN, MERCURY, MERKER

1999	2.0L	122	EDGE	2011 - 2012	4	EcoBoost 20T	F.I.	D.O.H.C.	AG9Z 6148 A	SWF30023
1999	2.0L	122	EXPLORER	2011 - 2014	4	EcoBoost 20T	F.I.	D.O.H.C.	AG9Z 6148 A	SWF30023
1999	2.0L	122	EDGE	2013 - 2014	4	EcoBoost 20T	F.I.	D.O.H.C.	AG9Z 6148 A	SWF30023
1999	2.0L	122	ESCAPE	2013 - 2014	4	EcoBoost 20T	F.I.	D.O.H.C.	AG9Z 6148 A	SWF30023
1999	2.0L	122	FOCUS	2010 - 2013	4	EcoBoost 20T	F.I.	D.O.H.C.	AG9Z 6148 A	SWF30023
1999	2.0L	122	FUSION	2013 - 2014	4	EcoBoost 20T	F.I.	D.O.H.C.	AG9Z 6148 A	SWF30023
1999	2.0L	122	MKC	2015 - 2016	4	EcoBoost 20T	F.I.	D.O.H.C.	AG9Z 6148 A	SWF30023
1999	2.0L	122	MKZ	2010 - 2013	4	EcoBoost 20T	F.I.	D.O.H.C.	AG9Z 6148 A	SWF30023
1999	2.0L	122	TAURUS	2013 - 2014	4	EcoBoost 20T	F.I.	D.O.H.C.	AG9Z 6148 A	SWF30023
1999	2.0L	122	EDGE	2015 - 2016	4	EcoBoost 20T	F.I.	D.O.H.C.	EJ7E 6148 AA	SWF30023
1999	2.0L	122	ESCAPE	2015 - 2016	4	EcoBoost 20T	F.I.	D.O.H.C.	EJ7E 6148 AA	SWF30023
1999	2.0L	122	EXPLORER	2015 - 2016	4	EcoBoost 20T	F.I.	D.O.H.C.	EJ7E 6148 AA	SWF30023
1999	2.0L	122	FOCUS	2014 - 2015	4	EcoBoost 20T	F.I.	D.O.H.C.	EJ7E 6148 AA	SWF30023
1999	2.0L	122	FUSION	2015 - 2016	4	EcoBoost 20T	F.I.	D.O.H.C.	EJ7E 6148 AA	SWF30023
1999	2.0L	122	MKZ	2014 - 2015	4	EcoBoost 20T	F.I.	D.O.H.C.	EJ7E 6148 AA	SWF30023
1999	2.0L	122	TAURUS	2015 - 2016	4	EcoBoost 20T	F.I.	D.O.H.C.	EJ7E 6148 AA	SWF30023
2184	2.2L	133	PROBE	1988 - 1992	4	F2	F.I.	S.O.H.C.	E92Z 6149 A	SWT20048
2184	2.2L	133	PROBE	1988 - 1992	4	F2	F.I.	S.O.H.C.	E92Z 6149 A	SWT20048
2184	2.2L	133	PROBE	1988 - 1992	4	F2	F.I.	S.O.H.C.	E92Z 6149 A	SWT20048
2261	2.3L	138	ESCAPE	2005 - 2008	4	DURATEC 23EW	F.I.	D.O.H.C.	-	SWT20090
2261	2.3L	138	FOCUS	2004 - 2008	4	DURATEC 23EW	F.I.	D.O.H.C.	-	SWT20090
2261	2.3L	138	FUSION	2006 - 2009	4	DURATEC 23EW	F.I.	D.O.H.C.	-	SWT20090
2261	2.3L	138	MARINER	2005 - 2008	4	DURATEC 23EW	F.I.	D.O.H.C.	-	SWT20090
2261	2.3L	138	MILAN	2006 - 2008	4	DURATEC 23EW	F.I.	D.O.H.C.	-	SWT20090
2261	2.3L	138	ESCAPE HYBRID	2005 - 2008	4	DURATEC 23H	F.I.	D.O.H.C.	-	SWT20090
2261	2.3L	138	MARINER HYBRID	2006 - 2008	4	DURATEC 23H	F.I.	D.O.H.C.	-	SWT20090
2261	2.3L	138	RANGER	2001 - 2011	4	DURATEC 23NS	F.I.	D.O.H.C.	-	SWT20090
2295	2.3L	140	ESCORT EXP	1986 - 1988	4	OHC 2.3	F.I.	S.O.H.C.	F1ZZ 6148 A	SWT20071
2295	2.3L	140	MARQUIS	1984 - 1986	4	OHC 2.3	CARB	S.O.H.C.	F1ZZ 6148 A	SWT20071
2295	2.3L	140	MUSTANG	1984 - 1988	4	OHC 2.3	F.I.	S.O.H.C.	F1ZZ 6148 A	SWT20071
2295	2.3L	140	TEMPO	1985 - 1988	4	OHC 2.3	F.I.	S.O.H.C.	F1ZZ 6148 A	SWT20071
2295	2.3L	140	THUNDERBIRD	1984 - 1988	4	OHC 2.3	F.I.	S.O.H.C.	F1ZZ 6148 A	SWT20071
2295	2.3L	140	AEROSTAR	1986 - 1987	4	OHC 2.3	F.I.	S.O.H.C.	F1ZZ 6148 A	SWT20071
2295	2.3L	140	RANGER	1985 - 1988	4	OHC 2.3	F.I.	S.O.H.C.	F1ZZ 6148 A	SWT20071

PISTONS

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PISTON REFERENCE NUMBER	NOA PISTON #	HEAD PAGE #	DIA. mm	1 S T	2 N D	3 R D	O 1	O 2	REMARK
FORD, LINCOLN, MERCURY, MERKER									
AG9Z 6108 D	X		87.50	1.20	1.20		2.00		w/ TURBO, 16 VALVE
AG9Z 6108 D	X		3.445	0.047	0.047		0.079		w/ TURBO, 16 VALVE
AG9Z 6108 L	X		87.50	1.20	1.20		2.00		w/ TURBO, 16 VALVE
AG9Z 6108 L	X		3.445	0.047	0.047		0.079		w/ TURBO, 16 VALVE
AG9Z 6108 L	X								ST, w/ TURBO, 16 VALVE
AG9Z 6108 L	X								w/ TURBO, 16 VALVE
AG9Z 6108 L	X								w/ TURBO, 16 VALVE
AG9Z 6108 L	X								ST, w/ TURBO, 16 VALVE
AG9Z 6108 L	X								w/ TURBO, 16 VALVE
-	X		87.50	1.20	1.00		2.00		w/ TURBO, 16 VALVE
-	X		3.445	0.047	0.039		0.079		w/ TURBO, 16 VALVE
-	X								w/ TURBO, 16 VALVE
-	X								ST, w/ TURBO, 16 VALVE
-	X								w/ TURBO, 16 VALVE
-	X								ST, w/ TURBO, 16 VALVE
-	X								
E92Z 6108 D	11-573	294	86.00	1.50	1.50		4.00		MAZDA Engine, w/ TURBO, 12 VALVE
			3.386	0.059	0.059		0.157		
E92Z 6108 G	11-582	295	86.00	1.50	1.50		4.00		MAZDA Engine, 16 VALVE
			3.386	0.059	0.059		0.157		
-	11-583	295	86.00	1.50	1.50		4.00		MAZDA Engine, 12 VALVE
			3.386	0.059	0.059		0.157		
-	11-843	336	87.50	1.20	1.20		2.50		16 VALVE
-	11-843	336	3.445	0.047	0.047		0.098		16 VALVE
-	11-843	336							16 VALVE
-	11-843	336							16 VALVE
-	11-843	336							16 VALVE
-	11-843	336	87.50	1.20	1.20		2.50		Atkinson Cycle, 16 VALVE
-	11-843	336	3.445	0.047	0.047		0.098		16 VALVE
-	X		87.50	1.20	1.20		2.50		16 VALVE
			3.445	0.047	0.047		0.098		
E3ZZ 6108 A	X		96.00	1.50	1.50		4.00		
E3ZZ 6108 A	X		3.780	0.059	0.059		0.157		RED
E3ZZ 6108 A	X								
E3ZZ 6108 A	X								
E3ZZ 6108 A	X								
E9TZ 6108 BB	X		96.00	1.50	1.50		4.00		
E9TZ 6108 BB	X		3.780	0.059	0.059		0.157		

U.S. APPLICATIONS

PISTON RINGS

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ENGINE SIZE			MODEL NAME	YEAR	C Y L	ENGINE CODE NUMBER	F.I. CARB DIESEL	O.H.V. S.O.H.C. D.O.H.C.	RING REFERENCE NUMBER	NOA PISTON RING #
cc	L	ci								

FORD, LINCOLN, MERCURY, MERKER

2295	2.3L	140	CAPRI	1985 ONLY	4	OHC 2.3	CARB	S.O.H.C.	F1ZZ 6148 A	SWT20071
2295	2.3L	140	MUSTANG	1989 - 1993	4	OHC 2.3	C & F	S.O.H.C.	F1ZZ 6148 A	SWT20071
2295	2.3L	140	RANGER	1989 - 1994	4	OHC 2.3	F.I.	S.O.H.C.	F1ZZ 6148 A	SWT20071
2295	2.3L	140	TEMPO	1986 - 1987	4	OHC 2.3	F.I.	S.O.H.C.	F1ZZ 6148 A	SWT20071
2298	2.3L	140	RANGER	1995 - 1997	4	OHC 2.3	F.I.	S.O.H.C.	F67Z 6148 AA	SWT20076
2300	2.3L	140	MKC	2015 - 2016	4	EcoBoost 23T	F.I.	D.O.H.C.	-	NA
2300	2.3L	140	MUSTANG	2015 - 2016	4	EcoBoost 23T	F.I.	D.O.H.C.	-	NA
2311	2.3L	141	TEMPO	1984 - 1988	4	HSC 2.3	F.I.	O.H.V.	E63Z 6148 A*	SWF30011
2311	2.3L	141	TEMPO	1989 - 1994	4	HSC 2.3	F.I.	O.H.V.	E63Z 6148 A*	SWF30011
2311	2.3L	141	TOPAZ	1984 - 1988	4	HSC 2.3	CARB	O.H.V.	E63Z 6148 A*	SWF30011
2311	2.3L	141	TOPAZ	1989 - 1994	4	HSC 2.3	F.I.	O.H.V.	E63Z 6148 A*	SWF30011
2346	2.3L	143	BRONCO II	1985 ONLY	4	4D55	DIESEL	S.O.H.C.	E5TZ 6149 A	SDM31038
2346	2.3L	143	RANGER	1985 - 1987	4	4D55	DIESEL	S.O.H.C.	E5TZ 6149 A	SDM31038
2488	2.5L	152	ESCAPE	2009 - 2015	4	DURATEC 25	F.I.	D.O.H.C.	9E5Z 6148 A	SWF30025
2488	2.5L	152	FUSION	2010 - 2015	4	DURATEC 25	F.I.	D.O.H.C.	9E5Z 6148 A	SWF30025
2488	2.5L	152	MARINER	2009 - 2010	4	DURATEC 25	F.I.	D.O.H.C.	9E5Z 6148 A	SWF30025
2488	2.5L	152	MILAN	2010 - 2010	4	DURATEC 25	F.I.	D.O.H.C.	9E5Z 6148 A	SWF30025
2488	2.5L	152	TRANSIT CONNECT	2014 - 2015	4	DURATEC 25	F.I.	D.O.H.C.	9E5Z 6148 A	SWF30025
2488	2.5L	152	ESCAPE HYBRID	2009 - 2012	4	DURATEC 25H	F.I.	D.O.H.C.	9E5Z 6148 A	SWF30025
2488	2.5L	152	FUSION HYBRID	2010 - 2012	4	DURATEC 25H	F.I.	D.O.H.C.	9E5Z 6148 A	SWF30025
2488	2.5L	152	MARINER HYBRID	2009 - 2010	4	DURATEC 25H	F.I.	D.O.H.C.	9E5Z 6148 A	SWF30025
2488	2.5L	152	MILAN HYBRID	2010 ONLY	4	DURATEC 25H	F.I.	D.O.H.C.	9E5Z 6148 A	SWF30025
2488	2.5L	152	MKZ HYBRID	2011 - 2012	4	DURATEC 25H	F.I.	D.O.H.C.	9E5Z 6148 A	SWF30025
2496	2.5L	152	SABLE	1986 ONLY	4	HSC 2.5	CARB	O.H.V.	E63Z 6148 A*	SWF30011
2496	2.5L	152	TAURUS	1986 - 1988	4	HSC 2.5	CARB	O.H.V.	E63Z 6148 A*	SWF30011
2496	2.5L	152	TAURUS	1989 - 1991	4	HSC 2.5	F.I.	O.H.V.	E63Z 6148 A*	SWF30011
2507	2.5L	153	PROBE	1993 ONLY	V6	KL	F.I.	D.O.H.C.	E32Z 6149 D	SWT20073
2507	2.5L	153	PROBE	1993 ONLY	V6	KL	F.I.	D.O.H.C.	E32Z 6149 D	SWT20073
2507	2.5L	153	PROBE	1994 - 1997	V6	KL	F.I.	D.O.H.C.	E42Z 6149 D	SWT20073
2507	2.5L	153	PROBE	1994 - 1997	V6	KL	F.I.	D.O.H.C.	E42Z 6149 D	SWT20073
2507	2.5L	153	RANGER	1998 ONLY	4	OHC 2.5	F.I.	S.O.H.C.	F87Z 6148 AA	SWT20076
2507	2.5L	153	RANGER	2000 - 2001	4	OHC 2.5	F.I.	S.O.H.C.	F87Z 6148 AA	SWT20076
2507	2.5L	153	RANGER	1999 ONLY	4	OHC 2.5	F.I.	S.O.H.C.	F87Z 6148 AA	SWT20076
2540	2.5L	155	CONTOUR	1995 ONLY	V6	DURATEC VE	F.I.	D.O.H.C.	F5RZ 6148 E	SWF30003
2540	2.5L	155	MYSTIQUE	1995 ONLY	V6	DURATEC VE	F.I.	D.O.H.C.	F5RZ 6148 E	SWF30003

FORD, LINCOLN, MERCURY, MERKER - CONTINUED

PISTONS

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PISTON REFERENCE NUMBER	NOA PISTON #	HEAD PAGE #	DIA. mm	1 S T	2 N D	3 R D	O 1	O 2	REMARK
FORD, LINCOLN, MERCURY, MERKER									
E9TZ 6108 AB	X		96.00	1.50	1.50		4.00		RED
E9TZ 6108 AB	X		3.780	0.059	0.059		0.157		
E9TZ 6108 AB	X								
E9TZ 6108 AB	X								
F57Z 6108 AA	X		96.00	1.50	1.50		3.00		VIN-A
			3.780	0.059	0.059		0.118		
-	X		87.50						w/ TURBO, 16 VALVE
-	X		3.445	0.000	0.000		0.000		w/ TURBO, 16 VALVE
F23Z 6108 AB	X		93.47	2.00	2.00		4.76		
F23Z 6108 AB	X		3.680	0.079	0.079		0.187		
F23Z 6108 AB	X								RED
F23Z 6108 AB	X								
E5TZ 6108 A	X		91.10	2.50	2.00		4.00		mitsubishi Engine, include TURBO
E5TZ 6108 A	X		3.587	0.098	0.079		0.157		mitsubishi Engine, include TURBO
8E5Z 6108 AA	X		89.00	1.20	1.20		2.50		16 VALVE
8E5Z 6108 AA	X		3.504	0.047	0.047		0.098		16 VALVE
8E5Z 6108 AA	X								16 VALVE
8E5Z 6108 AA	X								16 VALVE
8E5Z 6108 AA	X								16 VALVE
9E5Z 6108 A	X		89.00	1.20	1.20		2.50		VVT, 16 VALVE
9E5Z 6108 A	X		3.504	0.047	0.047		0.098		VVT, 16 VALVE
9E5Z 6108 A	X								VVT, 16 VALVE
9E5Z 6108 A	X								VVT, 16 VALVE
9E5Z 6108 A	X								VVT, 16 VALVE
E7DZ 6108 GB	X		93.47	2.00	2.00		4.76		
E7DZ 6108 GB	X		3.680	0.079	0.079		0.187		
E7DZ 6108 GB	X								
E32Z 6108 D	11-716	312	84.50	1.50	1.50		3.00		MAZDA Engine, RIGHT, 24 VALVE
E32Z 6108 G	11-716	312	84.50	1.50	1.50		3.00		MAZDA Engine, LEFT, 24 VALVE
F42Z 6108 D	11-716	312	3.327	0.059	0.059		0.118		MAZDA Engine, LEFT, 24 VALVE
F52Z 6108 A	11-716	312	3.327	0.059	0.059		0.118		MAZDA Engine, RIGHT, 24 VALVE
F87Z 6108 JA	X		96.00	1.50	1.50		3.00		GRADE 1, 2, VIN-C, 8 VALVE
F87Z 6108 JA	X		3.780	0.059	0.059		0.118		VIN-C, 8 VALVE
F87Z 6148 JA	X								VIN-C, 8 VALVE
F5RZ 6108 E	X		82.42	1.20	1.50		3.00		VIN-L, 24 VALVE
F5RZ 6108 E	X		3.245	0.047	0.059		0.118		VIN-L, 24 VALVE
FORD, LINCOLN, MERCURY, MERKER - CONTINUED									

U.S. APPLICATIONS

PISTON RINGS

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ENGINE SIZE			MODEL NAME	YEAR	CYL	ENGINE CODE NUMBER	F.I. CARB DIESEL	O.H.V. S.O.H.C. D.O.H.C.	RING REFERENCE NUMBER	NOA PISTON RING #
cc	L	ci								
FORD, LINCOLN, MERCURY, MERKER										
2540	2.5L	155	MYSTIQUE	1998 - 1999	V6	DURATEC VE	F.I.	D.O.H.C.	F5RZ 6148 E	SWF30003
2540	2.5L	155	CONTOUR	1996 - 1999	V6	DURATEC VE	F.I.	D.O.H.C.	F5RZ 6148 E	SWF30003
2540	2.5L	155	COUGER	1999 ONLY	V6	DURATEC VE	F.I.	D.O.H.C.	F5RZ 6148 E	SWF30003
2540	2.5L	155	MYSTIQUE	1996 - 1997	V6	DURATEC VE	F.I.	D.O.H.C.	F5RZ 6148 E	SWF30003
2540	2.5L	155	CONTOUR	1999 - 2000	V6	DURATEC 25SVT	F.I.	D.O.H.C.	XS2Z 6148 AA	SWF30003
2540	2.5L	155	COUGER	1999 - 2002	V6	DURATEC 25SVT	F.I.	D.O.H.C.	XS2Z 6148 AA	SWF30003
2540	2.5L	155	MYSTIQUE	1999 - 2000	V6	DURATEC 25SVT	F.I.	D.O.H.C.	XS2Z 6148 AA	SWF30003
2687	2.7L	164	F150	2015 - 2016	V6	EcoBoost 27T	F.I.	D.O.H.C.	-	NA
2901	2.9L	177	BRONCO II	1986 - 1989	V6	COLOGNE 29	F.I.	O.H.V.	E7RY 6148 A	SWF30014
2901	2.9L	177	RANGER	1986 - 1989	V6	COLOGNE 29	F.I.	O.H.V.	E7RY 6148 A	SWF30014
2901	2.9L	177	BRONCO II	1990 ONLY	V6	COLOGNE 29	F.I.	O.H.V.	E7RY 6148 A	SWF30014
2901	2.9L	177	RANGER	1990 - 1992	V6	COLOGNE 29	F.I.	O.H.V.	E7RY 6148 A	SWF30014
2901	2.9L	177	SCORPIO	1988 - 1989	V6	COLOGNE 29	F.I.	O.H.V.	E7RY 6148 A	SWF30014
2901	2.9L	177	BRONCO II	1990 ONLY	V6	COLOGNE 29	F.I.	O.H.V.	E7RY 6148 A	SWF30014
2901	2.9L	177	RANGER	1990 - 1992	V6	COLOGNE 29	F.I.	O.H.V.	E7RY 6148 A	SWF30014
2960	3.0L	181	VILLAGER	1993 - 1998	V6	VG30E	F.I.	S.O.H.C.	F6XZ 6148 AA	SWN30058
2967	3.0L	181	ESCAPE	2001 - 2006	V6	DURATEC 30	F.I.	D.O.H.C.	XW4Z 6148 A	SWF30021
2967	3.0L	181	ESCAPE	2007 - 2010	V6	DURATEC 30	F.I.	D.O.H.C.	YF1Z 6148 BA	SWF30021
2967	3.0L	181	FIVE HUNDRED	2004 - 2008	V6	DURATEC 30	F.I.	D.O.H.C.	YF1Z 6148 BA	SWF30021
2967	3.0L	181	FREESTYLE	2004 - 2008	V6	DURATEC 30	F.I.	D.O.H.C.	YF1Z 6148 BA	SWF30021
2967	3.0L	181	FUSION	2006 - 2010	V6	DURATEC 30	F.I.	D.O.H.C.	YF1Z 6148 BA	SWF30021
2967	3.0L	181	LS	2002 - 2005	V6	DURATEC 30	F.I.	D.O.H.C.	YF1Z 6148 BA	SWF30021
2967	3.0L	181	MARINER	2005 - 2010	V6	DURATEC 30	F.I.	D.O.H.C.	YF1Z 6148 BA	SWF30021
2967	3.0L	181	MILAN	2006 - 2010	V6	DURATEC 30	F.I.	D.O.H.C.	YF1Z 6148 BA	SWF30021
2967	3.0L	181	MONTEGO	2005 - 2008	V6	DURATEC 30	F.I.	D.O.H.C.	YF1Z 6148 BA	SWF30021
2967	3.0L	181	SABLE	2001 - 2005	V6	DURATEC 30	F.I.	D.O.H.C.	YF1Z 6148 BA	SWF30021
2967	3.0L	181	TAURUS	2001 - 2005	V6	DURATEC 30	F.I.	D.O.H.C.	YF1Z 6148 BA	SWF30021
2967	3.0L	181	FUSION	2011 - 2012	V6	DURATEC 30	F.I.	D.O.H.C.	AL8Z 6148 A	SWF30021
2967	3.0L	181	ESCAPE	2011 - 2012	V6	DURATEC 30	F.I.	D.O.H.C.	AL8Z 6148 A	SWF30021
FORD, LINCOLN, MERCURY, MERKER - CONTINUED										

PISTONS

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PISTON REFERENCE NUMBER	NOA PISTON #	HEAD PAGE #	DIA. mm	1 S T	2 N D	3 R D	O 1	O 2	REMARK
FORD, LINCOLN, MERCURY, MERKER									
F8CZ 6108 AA	X		82.42	1.20	1.50		3.00		VIN-L, 24 VALVE
			3.245	0.047	0.059		0.118		
F5RZ 6100 BA	X		82.42	1.20	1.50		3.00		VIN-L, 24 VALVE
F5RZ 6100 BA	X		3.245	0.047	0.059		0.118		VIN-L, 24 VALVE
F5RZ 6100 BA	X								VIN-L, 24 VALVE
1U2Z 6100 AA	X		82.42	1.20	1.50		3.00		24 VALVE
1U2Z 6100 AA	X		3.245	0.047	0.059		0.118		24 VALVE
1U2Z 6100 AA	X								24 VALVE
-	X		83.00						w/ TURBO, 24 VALVE
			3.268	0.000	0.000		0.000		
E6TZ 6100 A	X		93.00	1.60	1.75		3.50		
E6TZ 6100 A	X		3.661	0.063	0.069		0.138		
FORY 6102 A	X		93.00	1.60	1.75		3.50		
FORY 6102 A	X		3.661	0.063	0.069		0.138		
FORY 6102 A	X								
FOTZ 6100 E	X		93.00	1.60	1.75		3.50		
FOTZ 6100 E	X		3.661	0.063	0.069		0.138		
F7XZ 6108 AA	11-603	297	87.00	1.50	1.50		2.80		NISSAN Engine, 12 VALVE
			3.425	0.059	0.059		0.110		
8E5Z 6100 A	X		89.00	1.20	1.50		2.50		REF, V, 24 VALVE
			3.504	0.047	0.059		0.098		
6E5Z 6100 BA	11-868	341	89.00	1.20	1.50		2.50		REF, V, 24 VALVE
6E5Z 6100 BA	11-868	341	3.504	0.047	0.059		0.098		REF, 24 VALVE
6E5Z 6100 BA	11-868	341							REF, 24 VALVE
6E5Z 6100 BA	11-868	341							VVT, 24 VALVE
6E5Z 6100 BA	11-868	341							DAMB, 24 VALVE
6E5Z 6100 BA	11-868	341							REF, 24 VALVE
6E5Z 6100 BA	11-868	341							VVT, 24 VALVE
6E5Z 6100 BA	11-868	341							REF, 24 VALVE
6E5Z 6100 BA	11-868	341							REF, VIN-S, 24 VALVE
6E5Z 6100 BA	11-868	341							REF, VIN-S, 24 VALVE
3W4Z 6108 A	X		89.00	1.20	1.50		2.50		VVT, 24 VALVE
			3.504	0.047	0.059		0.098		
9L8Z 6108 A	X		89.00	1.20	1.50		2.50		REF, V, 24 VALVE
			3.504	0.047	0.059		0.098		
FORD, LINCOLN, MERCURY, MERKER - CONTINUED									

U.S. APPLICATIONS

PISTON RINGS

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ENGINE SIZE			MODEL NAME	YEAR	CYL	ENGINE CODE NUMBER	F.I. CARB DIESEL	O.H.V. S.O.H.C. D.O.H.C.	RING REFERENCE NUMBER	NOA PISTON RING #
cc	L	ci								
2982	3.0L	182	LS	2000 - 2001	V6	DURATEC 30	F.I.	D.O.H.C.	XW4Z 6148 CA	SWG10004
2982	3.0L	182	SABLE	1996 - 2000	V6	DURATEC 30	F.I.	D.O.H.C.	XW4Z 6148 CA	SWG10004
2982	3.0L	182	TAURUS	1996 - 2000	V6	DURATEC 30	F.I.	D.O.H.C.	XW4Z 6148 CA	SWG10004
2983	3.0L	182	AEROSTAR	1986 - 1994	V6	VULCAN V6	F.I.	O.H.V.	F6DZ 6148 RA*	SWI10155
2983	3.0L	182	PROBE	1990 - 1992	V6	VULCAN V6	F.I.	O.H.V.	F6DZ 6148 RA*	SWI10155
2983	3.0L	182	RANGER	1991 - 1994	V6	VULCAN V6	F.I.	O.H.V.	F6DZ 6148 RA*	SWI10155
2983	3.0L	182	SABLE	1986 - 1995	V6	VULCAN V6	F.I.	O.H.V.	F6DZ 6148 RA	SWI10155
2983	3.0L	182	TAURUS	1986 - 1994	V6	VULCAN V6	F.I.	O.H.V.	F6DZ 6148 RA*	SWI10155
2983	3.0L	182	TEMPO	1992 - 1994	V6	VULCAN V6	F.I.	O.H.V.	F6DZ 6148 RA*	SWI10155
2983	3.0L	182	TOPAZ	1992 - 1994	V6	VULCAN V6	F.I.	O.H.V.	F6DZ 6148 RA	SWI10155
2983	3.0L	182	AEROSTAR	1995 - 1997	V6	VULCAN V6	F.I.	O.H.V.	F6DZ 6148 RA*	SWT20075
2983	3.0L	182	RANGER	1995 - 1998	V6	VULCAN V6	F.I.	O.H.V.	F6DZ 6148 RA*	SWT20075
2983	3.0L	182	SABLE	1996 - 1998	V6	VULCAN V6	F.I.	O.H.V.	F6DZ 6148 RA	SWT20075
2983	3.0L	182	TAURUS	1995 - 1998	V6	VULCAN V6	F.I.	O.H.V.	F6DZ 6148 RA*	SWT20075
2983	3.0L	182	WINDSTAR	1995 - 2000	V6	VULCAN V6	F.I.	O.H.V.	F6DZ 6148 RA*	SWT20075
2997	3.0L	183	RANGER	1999 - 2008	V6	VULCAN V6	F.I.	O.H.V.	4F1Z 6148 CA	SWF30016
2997	3.0L	183	SABLE	1999 - 2001	V6	VULCAN V6	F.I.	O.H.V.	2F1Z 6148 AA	SWF30016
2997	3.0L	183	SABLE	2002 - 2005	V6	VULCAN V6	F.I.	O.H.V.	2F1Z 6148 AA	SWF30016
2997	3.0L	183	TAURUS	1999 - 2001	V6	VULCAN V6	F.I.	O.H.V.	2F1Z 6148 AA	SWF30016
2997	3.0L	183	TAURUS	2002 - 2005	V6	VULCAN V6	F.I.	O.H.V.	2F1Z 6148 AA	SWF30016
3272	3.3L	200	VILLAGER	1998 - 2002	V6	VG33E	F.I.	S.O.H.C.	XF5Z 6148 AA	SWN30120
3496	3.5L	213	EDGE	2007 - 2010	V6	DURATEC 35	F.I.	D.O.H.C.	AT4Z 6148 C	SWF30026
3496	3.5L	213	FLEX	2009 - 2015	V6	DURATEC 35	F.I.	D.O.H.C.	AT4Z 6148 C	SWF30026
3496	3.5L	213	FUSION	2010 - 2012	V6	DURATEC 35	F.I.	D.O.H.C.	AT4Z 6148 C	SWF30026
3496	3.5L	213	MKX	2007 - 2010	V6	DURATEC 35	F.I.	D.O.H.C.	AT4Z 6148 C	SWF30026
3496	3.5L	213	MKZ	2007 - 2012	V6	DURATEC 35	F.I.	D.O.H.C.	AT4Z 6148 C	SWF30026
3496	3.5L	213	SABLE	2008 - 2009	V6	DURATEC 35	F.I.	D.O.H.C.	AT4Z 6148 C	SWF30026
3496	3.5L	213	TAURUS	2008 - 2012	V6	DURATEC 35	F.I.	D.O.H.C.	AT4Z 6148 C	SWF30026
3496	3.5L	213	TAURUS X	2008 - 2012	V6	DURATEC 35	F.I.	D.O.H.C.	AT4Z 6148 C	SWF30026
3496	3.5L	213	EDGE	2011 - 2015	V6	DURATEC 35	F.I.	D.O.H.C.	AT4Z 6148 C	SWF30026
3496	3.5L	213	EXPLORER	2011 - 2015	V6	DURATEC 35	F.I.	D.O.H.C.	AT4Z 6148 C	SWF30026
3496	3.5L	213	TAURUS	2013 - 2015	V6	DURATEC 35	F.I.	D.O.H.C.	AT4Z 6148 C	SWF30026
3496	3.5L	213	TAURUS X	2013 - 2015	V6	DURATEC 35	F.I.	D.O.H.C.	AT4Z 6148 C	SWF30026
3496	3.5L	213	MKS	2010 - 2012	V6	EcoBoost 35T	F.I.	D.O.H.C.	AT4Z 6148 C	SWF30026
3496	3.5L	213	MKS	2010 - 2012	V6	EcoBoost 35T	F.I.	D.O.H.C.	AT4Z 6148 C	SWF30026
3496	3.5L	213	MKT	2010 - 2012	V6	EcoBoost 35T	F.I.	D.O.H.C.	AT4Z 6148 C	SWF30026
3496	3.5L	213	MKT	2010 - 2012	V6	EcoBoost 35T	F.I.	D.O.H.C.	AT4Z 6148 C	SWF30026
3496	3.5L	213	TAURUS SHO	2010 - 2015	V6	EcoBoost 35T	F.I.	D.O.H.C.	AT4Z 6148 C	SWF30026
3496	3.5L	213	TAURUS SHO	2010 - 2015	V6	EcoBoost 35T	F.I.	D.O.H.C.	AT4Z 6148 C	SWF30026

PISTONS

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PISTON REFERENCE NUMBER	NOA PISTON #	HEAD PAGE #	DIA. mm	1 S T	2 N D	3 R D	O 1	O 2	REMARK
FORD, LINCOLN, MERCURY, MERKER									
XW4Z 6100 CA	X		89.00	1.20	1.50		3.00		DAMB, VIN-S, 24 VALVE
XW4Z 6100 CA	X		3.504	0.047	0.059		0.118		REF, VIN-S, 24 VALVE
XW4Z 6100 CA	X								REF. VIN-S, 24 VALVE
F5DZ 6108 EA	11-825	332	89.00	1.50	1.50		4.00		VIN-U, 12 VALVE
F5DZ 6108 EA	11-825	332	3.504	0.059	0.059		0.157		MAZDA Engine, VIN-U, 12 VALVE
F5DZ 6108 EA	11-825	332							VIN-U, 12 VALVE
F5DZ 6108 EA	11-825	332							VIN-U, 12 VALVE
F5DZ 6108 EA	11-825	332							VIN-U, 12 VALVE
F5DZ 6108 EA	11-825	332							VIN-U, 12 VALVE
F5DZ 6108 EA	11-825	332							VIN-U, 12 VALVE
F5DZ 6108 EA	11-825	332							VIN-U, 12 VALVE
F5DZ 6108 EB	11-825	332	89.00	1.50	1.50		4.00		VIN-S, 12 VALVE
F5DZ 6108 EB	11-825	332	3.504	0.059	0.059		0.157		VIN-S, 12 VALVE
F5DZ 6108 EB	11-825	332							VIN-S, 12 VALVE
F5DZ 6108 EB	11-825	332							VIN-S, 12 VALVE
F5DZ 6108 EB	11-825	332							VIN-S, 12 VALVE
1U2Z 6108 CA	11-874	343	89.00	1.50	1.50		3.00		VIN-U, 12 VALVE
1U2Z 6108 CA	11-874	343	3.504	0.059	0.059		0.118		VIN-U, 12 VALVE
2F1Z 6108 AA	11-874	343							VIN-U, 12 VALVE
1U2Z 6108 CA	11-874	343							VIN-U, 12 VALVE
2F1Z 6108 AA	11-874	343							VIN-U, 12 VALVE
XF5Z 6108 AA	X		91.50	1.50	1.50		2.80		NISSAN Engine, 12 VALVE
			3.602	0.059	0.059		0.110		
9T4Z 6108 B*	X		92.50	1.20	1.50		2.50		24 VALVE
9T4Z 6108 B	X		3.642	0.047	0.059		0.098		24 VALVE
9T4Z 6108 B	X								24 VALVE
9T4Z 6108 B*	X								24 VALVE
9T4Z 6108 B*	X								24 VALVE
9T4Z 6108 B*	X								24 VALVE
9T4Z 6108 B	X								Cyclone, 24 VALVE
9T4Z 6108 B	X								Cyclone, 24 VALVE
AT4Z 6108 C	X		92.50	1.20	1.50		2.50		24 VALVE
AT4Z 6108 C	X		3.642	0.047	0.059		0.098		24 VALVE
AT4Z 6108 C	X								Cyclone, 24 VALVE
AT4Z 6108 C	X								Cyclone, 24 VALVE
AA5Z 6108 P	X		92.50	1.20	1.50		2.50		RIGHT, DAMB, w/ TURBO, 24 VALVE
AA5Z 6108 N	X		92.50	1.20	1.50		2.50		LEFT, DAMB, w/ TURBO, 24 VALVE
AA5Z 6108 P	X		3.642	0.047	0.059		0.098		RIGHT, DAMB, w/ TURBO, 24 VALVE
AA5Z 6108 N	X		3.642	0.047	0.059		0.098		LEFT, DAMB, w/ TURBO, 24 VALVE
AA5Z 6108 P	X								RIGHT, DAMB, w/ TURBO, 24 VALVE
AA5Z 6108 N	X								LEFT, DAMB, w/ TURBO, 24 VALVE

U.S. APPLICATIONS

PISTON RINGS

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ENGINE SIZE			MODEL NAME	YEAR	CYL	ENGINE CODE NUMBER	F.I. CARB DIESEL	O.H.V. S.O.H.C. D.O.H.C.	RING REFERENCE NUMBER	NOA PISTON RING #
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FORD, LINCOLN, MERCURY, MERKER

3496	3.5L	213	EXPLORER	2011 - 2015	V6	EcoBoost 35T	F.I.	D.O.H.C.	AT4Z 6148 C	SWF30026
3496	3.5L	213	F150	2015 - 2016	V6	EcoBoost 35T	F.I.	D.O.H.C.	AT4Z 6148 C	SWF30026
3496	3.5L	213	FLEX	2010 - 2015	V6	EcoBoost 35T	F.I.	D.O.H.C.	AT4Z 6148 C	SWF30026
3496	3.5L	213	MKS	2012 - 2015	V6	EcoBoost 35T	F.I.	D.O.H.C.	BL3Z 6148 C	NA
3496	3.5L	213	MKS	2012 - 2015	V6	EcoBoost 35T	F.I.	D.O.H.C.	BL3Z 6148 C	NA
3496	3.5L	213	MKT	2013 - 2015	V6	EcoBoost 35T	F.I.	D.O.H.C.	BL3Z 6148 C	NA
3496	3.5L	213	MKT	2013 - 2015	V6	EcoBoost 35T	F.I.	D.O.H.C.	BL3Z 6148 C	NA
3496	3.5L	213	F150	2011 - 2014	V6	EcoBoost 35T	F.I.	D.O.H.C.	BL3Z 6148 A	NA
3496	3.5L	213	F150	2011 - 2014	V6	EcoBoost 35T	F.I.	D.O.H.C.	BL3Z 6148 A	NA
3721	3.7L	227	MKS	2008 - 2012	V6	DURATEC 37	F.I.	D.O.H.C.	BA5Z 6148 C	NA
3721	3.7L	227	MKT	2010 - 2011	V6	DURATEC 37	F.I.	D.O.H.C.	BA5Z 6148 C	NA
3721	3.7L	227	MKS	2013 - 2015	V6	DURATEC 37	F.I.	D.O.H.C.	BA5Z 6148 C	NA
3721	3.7L	227	MKT	2011 - 2015	V6	DURATEC 37	F.I.	D.O.H.C.	BA5Z 6148 C	NA
3721	3.7L	227	EDGE SPORT	2011 - 2015	V6	DURATEC 37	F.I.	D.O.H.C.	BA5Z 6148 C	NA
3721	3.7L	227	F150	2011 - 2014	V6	DURATEC 37	F.I.	D.O.H.C.	BA5Z 6148 C	NA
3721	3.7L	227	MKX	2010 - 2015	V6	DURATEC 37	F.I.	D.O.H.C.	BA5Z 6148 C	NA
3721	3.7L	227	MKZ	2011 - 2015	V6	DURATEC 37	F.I.	D.O.H.C.	BA5Z 6148 C	NA
3721	3.7L	227	MUSTANG	2010 - 2015	V6	DURATEC 37	F.I.	D.O.H.C.	BA5Z 8148 C	NA
3802	3.8L	232	CAPRI	1983 ONLY	V6	ESSEX V6 38	CARB	O.H.V.	E2DZ 6148 A	SWF30015
3802	3.8L	232	CONTINENTAL	1982 ONLY	V6	ESSEX V6 38	CARB	O.H.V.	E2DZ 6148 A	SWF30015
3802	3.8L	232	COUGER	1982 - 1983	V6	ESSEX V6 38	CARB	O.H.V.	E2DZ 6148 A	SWF30015
3802	3.8L	232	COUGER XR7	1981 - 1982	V6	ESSEX V6 38	CARB	O.H.V.	E2DZ 6148 A	SWF30015
3802	3.8L	232	GRANADA	1982 ONLY	V6	ESSEX V6 38	CARB	O.H.V.	E2DZ 6148 A	SWF30015
3802	3.8L	232	LTD	1983 ONLY	V6	ESSEX V6 38	CARB	O.H.V.	E2DZ 6148 A	SWF30015
3802	3.8L	232	MARQUIS	1983 ONLY	V6	ESSEX V6 38	CARB	O.H.V.	E2DZ 6148 A	SWF30015
3802	3.8L	232	MUSTANG	1983 ONLY	V6	ESSEX V6 38	CARB	O.H.V.	E2DZ 6148 A	SWF30015
3802	3.8L	232	PICKUP	1982 - 1983	V6	ESSEX V6 38	CARB	O.H.V.	E2DZ 6148 A	SWF30015
3802	3.8L	232	THUNDERBIRD	1982 - 1983	V6	ESSEX V6 38	CARB	O.H.V.	E2DZ 6148 A	SWF30015
3802	3.8L	232	CAPRI	1984 - 1986	V6	ESSEX V6 38	CARB	O.H.V.	E2DZ 6148 A	SWF30015
3802	3.8L	232	COUGER	1984 - 1987	V6	ESSEX V6 38	CARB	O.H.V.	E2DZ 6148 A	SWF30015
3802	3.8L	232	LTD	1984 - 1986	V6	ESSEX V6 38	CARB	O.H.V.	E2DZ 6148 A	SWF30015
3802	3.8L	232	MARQUIS	1984 - 1986	V6	ESSEX V6 38	CARB	O.H.V.	E2DZ 6148 A	SWF30015
3802	3.8L	232	MUSTANG	1984 - 1986	V6	ESSEX V6 38	CARB	O.H.V.	E2DZ 6148 A	SWF30015
3802	3.8L	232	THUNDERBIRD	1984 - 1987	V6	ESSEX V6 38	CARB	O.H.V.	E2DZ 6148 A	SWF30015
FORD, LINCOLN, MERCURY, MERKER - CONTINUED										

PISTONS

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PISTON REFERENCE NUMBER	NOA PISTON #	HEAD PAGE #	DIA. mm	1 S T	2 N D	3 R D	O 1	O 2	REMARK
FORD, LINCOLN, MERCURY, MERKER									
AT4Z 6108 C	X		92.50	1.20	1.50		2.50		DAMB (DURATEC 35 block), w/ TURBO, 24 VALVE
AT4Z 6108 C	X		3.642	0.047	0.059		0.098		DAMB (DURATEC 35 block), w/ TURBO, 24 VALVE
AT4Z 6108 C	X								DAMB (DURATEC 35 block), w/ TURBO, 24 VALVE
AA5Z 6108 P	X		92.50						RIGHT, DAMB, w/ TURBO, 24 VALVE
AA5Z 6108 N	X		92.50						LEFT, DAMB, w/ TURBO, 24 VALVE
AA5Z 6108 P	X		3.642	0.000	0.000		0.000		RIGHT, DAMB, w/ TURBO, 24 VALVE
AA5Z 6108 N	X		3.642	0.000	0.000		0.000		LEFT, DAMB, w/ TURBO, 24 VALVE
BL3Z 6108 F	X		92.50						RIGHT, DAMB, w/ TURBO, 24 VALVE
BL3Z 6108 G	X		92.50						LEFT, DAMB, w/ TURBO, 24 VALVE
			3.642	0.000	0.000		0.000		
			3.642	0.000	0.000		0.000		
9A5Z 6108 A	X		95.50						24 VALVE
9A5Z 6108 A	X		3.760	0.000	0.000		0.000		24 VALVE
9A5Z 6108 J	X		95.50						24 VALVE
9A5Z 6108 J	X		3.760	0.000	0.000		0.000		24 VALVE
BA5Z 6108 L	X		95.50						SPORT, 24 VALVE
BA5Z 6108 L	X		3.760	0.000	0.000		0.000		24 VALVE
BA5Z 6108 L	X								24 VALVE
BA5Z 6108 L	X								24 VALVE
BA5Z 6108 L	X								24 VALVE
E2DZ 6108 AB	X		96.80	2.00	2.00		4.00		RED, 12 VALVE
E2DZ 6108 AB	X		3.811	0.079	0.079		0.157		RED, 12 VALVE
E2DZ 6108 AB	X								RED, 12 VALVE
E2DZ 6108 AB	X								RED, 12 VALVE
E2DZ 6108 AB	X								RED, 12 VALVE
E2DZ 6108 AB	X								RED, 12 VALVE
E2DZ 6108 AB	X								RED, 12 VALVE
E2DZ 6108 AB	X								RED, 12 VALVE
E2DZ 6108 AB	X								RED, 12 VALVE
E2DZ 6108 AB	X								RED, 12 VALVE
E4DZ 6108 A	X		96.80	2.00	2.00		4.00		RED, 12 VALVE
E4DZ 6108 A	X		3.811	0.079	0.079		0.157		RED, 12 VALVE
E4DZ 6108 A	X								RED, 12 VALVE
E4DZ 6108 A	X								RED, 12 VALVE
E4DZ 6108 A	X								RED, 12 VALVE
E4DZ 6108 A	X								RED, 12 VALVE
FORD, LINCOLN, MERCURY, MERKER - CONTINUED									

U.S. APPLICATIONS

PISTON RINGS

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ENGINE SIZE			MODEL NAME	YEAR	C Y L	ENGINE CODE NUMBER	F.I. CARB DIESEL	O.H.V. S.O.H.C. D.O.H.C.	RING REFERENCE NUMBER	NOA PISTON RING #
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FORD, LINCOLN, MERCURY, MERKER

3802	3.8L	232	CONTINENTAL	1988 - 1993	V6	ESSEX V6 38	F.I.	O.H.V.	F4DZ 6148 A	SWF30013
3802	3.8L	232	CONTINENTAL	1994 ONLY	V6	ESSEX V6 38	F.I.	O.H.V.	F4DZ 6148 A	SWF30013
3802	3.8L	232	COUGER	1988 - 1993	V6	ESSEX V6 38	F.I.	O.H.V.	E8DZ 6148 A	SWF30013
3802	3.8L	232	COUGER	1994 - 1995	V6	ESSEX V6 38	F.I.	O.H.V.	F4DZ 6148 A	SWF30013
3802	3.8L	232	FREESTAR	1995 - 2006	V6	ESSEX V6 38	F.I.	O.H.V.	F4DZ 6148 A	SWF30013
3802	3.8L	232	MUSTANG	1994 - 1995	V6	ESSEX V6 38	F.I.	O.H.V.	F4DZ 6148 A	SWF30013
3802	3.8L	232	SABLE	1988 - 1991	V6	ESSEX V6 38	F.I.	O.H.V.	E8DZ 6148 A	SWF30013
3802	3.8L	232	SABLE	1992 - 1995	V6	ESSEX V6 38	F.I.	O.H.V.	F4DZ 6148 A	SWF30013
3802	3.8L	232	TAURUS	1988 - 1993	V6	ESSEX V6 38	F.I.	O.H.V.	E8DZ 6148 A	SWF30013
3802	3.8L	232	TAURUS	1994 - 1995	V6	ESSEX V6 38	F.I.	O.H.V.	F4DZ 6148 A	SWF30013
3802	3.8L	232	THUNDERBIRD	1988 - 1993	V6	ESSEX V6 38	F.I.	O.H.V.	E8DZ 6148 A	SWF30013
3802	3.8L	232	THUNDERBIRD	1994 - 1995	V6	ESSEX V6 38	F.I.	O.H.V.	F4DZ 6148 A	SWF30013
3802	3.8L	232	WINDSTAR	1995 ONLY	V6	ESSEX V6 38	F.I.	O.H.V.	F4DZ 6148 A	SWF30013
3802	3.8L	232	COUGER	1989 - 1990	V6	ESSEX V6 38	F.I.	O.H.V.	E9SZ 6148 B	SWF30013
3802	3.8L	232	THUNDERBIRD	1989 - 1993	V6	ESSEX V6 38	F.I.	O.H.V.	E9SZ 6148 B	SWF30013
3802	3.8L	232	THUNDERBIRD	1994 - 1995	V6	ESSEX V6 38	F.I.	O.H.V.	F4DZ 6148 A	SWF30013
3802	3.8L	232	COUGER	1996 - 1997	V6	ESSEX V6 38	F.I.	O.H.V.	F6ZZ 6148 A	SWF30004
3802	3.8L	232	THUNDERBIRD	1996 - 1997	V6	ESSEX V6 38	F.I.	O.H.V.	F6ZZ 6148 A	SWF30004
3802	3.8L	232	MUSTANG	1996 - 1998	V6	ESSEX V6 38	F.I.	O.H.V.	F6ZZ 6148 A	SWF30004
3802	3.8L	232	WINDSTAR	1996 - 2005	V6	ESSEX V6 38	F.I.	O.H.V.	F6ZZ 6148 A	SWF30004
3802	3.8L	232	MUSTANG	1999 - 2004	V6	ESSEX V6 38	F.I.	O.H.V.	2L3Z 6148 KA	SWF30004
3887	3.9L	237	FREESTAR	2004 - 2006	V6	ESSEX V6 39	F.I.	O.H.V.	-	NA
3887	3.9L	237	WINDSTAR	2004 - 2005	V6	ESSEX V6 39	F.I.	O.H.V.	-	NA
3933	3.9L	240	CLUB WAGON	1974 ONLY	6	240 CDI	CARB	O.H.V.	C3AZ 6148 F	SWF80017
3933	3.9L	240	ECONOLINE E100	1974 ONLY	6	240 CDI	CARB	O.H.V.	C3AZ 6148 F	SWF80017
3933	3.9L	240	ECONOLINE E200	1974 ONLY	6	240 CDI	CARB	O.H.V.	C3AZ 6148 F	SWF80017
3933	3.9L	240	PICKUP	1974 ONLY	6	240 CDI	CARB	O.H.V.	C3AZ 6148 F	SWF80017
3934	3.9L	240	LS	2000 - 2006	V8	AJ35	F.I.	D.O.H.C.	XW4Z 6148 BA	NA
3934	3.9L	240	THUNDERBIRD	2002 - 2006	V8	AJ35	F.I.	D.O.H.C.	XW4Z 6148 AA	NA
4015	4.0L	245	EXPLORER	1997 - 1998	V6	COLOGNE 40	F.I.	S.O.H.C.	F7TZ 6148 BA	SWT20072
4015	4.0L	245	MOUNTAINEER	1998 ONLY	V6	COLOGNE 40	F.I.	S.O.H.C.	F7TZ 6148 BA	SWT20072
4015	4.0L	245	RANGER	1998 ONLY	V6	COLOGNE 40	F.I.	S.O.H.C.	F7TZ 6148 BA	SWT20072
4015	4.0L	245	MOUNTAINEER	2000 - 2001	V6	COLOGNE 40	F.I.	S.O.H.C.	F7TZ 6148 BA	SWT20072
FORD, LINCOLN, MERCURY, MERKER - CONTINUED										

PISTONS

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PISTON REFERENCE NUMBER	NOA PISTON #	HEAD PAGE #	DIA. mm	1 S T	2 N D	3 R D	O 1	O 2	REMARK
FORD, LINCOLN, MERCURY, MERKER									
E9DZ 6108 GB	X		96.80	1.50	1.50		4.00		
E9DZ 6108 GB	X		3.811	0.059	0.059		0.157		
E9DZ 6108 GB	X								Normally Aspirated, RED
E9DZ 6108 GB	X								RED
E9DZ 6108 GB	X								12 VALVE
E9DZ 6108 GB	X								12 VALVE
E9DZ 6108 GB	X								Normally Aspirated
E9DZ 6108 GB	X								
E9DZ 6108 GB	X								WAGON
E9DZ 6108 GB	X								WAGON
E9DZ 6108 GB	X								Normally Aspirated
E9DZ 6108 GB	X								Normally Aspirated, 12 VALVE
E9DZ 6108 GB	X								12 VALVE
F6SZ 6108 BA	X		96.80	1.50	1.50		4.00		Supercharger
F6SZ 6108 BA	X		3.811	0.059	0.059		0.157		Supercharger
F4SZ 6108 A	X		96.80	1.50	1.50		4.00		Supercharger
			3.811	0.059	0.059		0.157		
F6ZZ 6108 A	X		96.80	1.50	1.50		3.00		RED, 12 VALVE
F6ZZ 6108 A	X		3.811	0.059	0.059		0.118		RED, 12 VALVE
F6ZZ 6108 AA	X		96.80	1.50	1.50		3.00		RED, 12 VALVE
F6ZZ 6108 AA	X		3.811	0.059	0.059		0.118		RED, 12 VALVE
XR3Z 6108 AA	X		96.80	1.50	1.50		3.00		12 VALVE
			3.811	0.059	0.059		0.118		
-	X		96.80	1.50	1.50		3.00		12 VALVE
-	X		3.811	0.059	0.059		0.118		12 VALVE
C8AZ 6108 CB	X		101.60	1.98	1.98		4.76		
C8AZ 6108 CB	X		4.000	0.078	0.078		0.188		
C8AZ 6108 CB	X								
C8AZ 6108 CB	X								
XW4Z 6200 CA	X		86.00	1.20	1.50		2.50		32 VALVE
XW4Z 6200 CA	X		3.386	0.047	0.059		0.098		32 VALVE
F7TZ 6100 AA	X		100.40	1.60	1.75		3.50		VIN-E, 12 VALVE
F7TZ 6100 AA	X		3.953	0.063	0.069		0.138		VIN-E, 12 VALVE
F7TZ 6100 AA	X								VIN-E, 12 VALVE
F7TZ 6108 UA	X								VIN-E, 12 VALVE
FORD, LINCOLN, MERCURY, MERKER - CONTINUED									

U.S. APPLICATIONS

PISTON RINGS

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ENGINE SIZE			MODEL NAME	YEAR	CYL	ENGINE CODE NUMBER	F.I. CARB DIESEL	O.H.V. S.O.H.C. D.O.H.C.	RING REFERENCE NUMBER	NOA PISTON RING #
cc	L	ci								
4015	4.0L	245	EXPLORER	1999 ONLY	V6	COLOGNE 40	F.I.	S.O.H.C.	F7TZ 6148 BA	SWT20072
4015	4.0L	245	MOUNTAINEER	1999 ONLY	V6	COLOGNE 40	F.I.	S.O.H.C.	F7TZ 6148 BA	SWT20072
4015	4.0L	245	RANGER	1999 - 2000	V6	COLOGNE 40	F.I.	S.O.H.C.	F7TZ 6148 BA	SWT20072
4015	4.0L	245	EXPLORER	2001 - 2010	V6	COLOGNE 40	F.I.	S.O.H.C.	2U3Z 6148 AA	SWF30012
4015	4.0L	245	Explorer Sports	2001 - 2010	V6	COLOGNE 40	F.I.	S.O.H.C.	2U3Z 6148 AA	SWF30012
4015	4.0L	245	MUSTANG	2005 - 2009	V6	COLOGNE 40	F.I.	S.O.H.C.	2U3Z 6148 AA	SWF30012
4015	4.0L	245	MOUNTAINEER	2002 - 2010	V6	COLOGNE 40	F.I.	S.O.H.C.	2U3Z 6148 AA	SWF30012
4015	4.0L	245	RANGER	2001 - 2011	V6	COLOGNE 40	F.I.	S.O.H.C.	2U3Z 6148 AA	SWF30012
4025	4.0L	246	AEROSTAR	1990 - 1994	V6	COLOGNE 40	F.I.	O.H.V.	FOTZ 6148 M	SWT20072
4025	4.0L	246	RANGER	1990 - 1994	V6	COLOGNE 40	F.I.	O.H.V.	FOTZ 6148 M	SWT20072
4025	4.0L	246	EXPLORER	1991 - 1994	V6	COLOGNE 40	F.I.	O.H.V.	FOTZ 6148 M	SWT20072
4025	4.0L	246	AEROSTAR	1995 - 1997	V6	COLOGNE 40	F.I.	O.H.V.	FOTZ 6148 M	SWT20072
4025	4.0L	246	EXPLORER	1995 - 1999	V6	COLOGNE 40	F.I.	O.H.V.	FOTZ 6148 M	SWT20072
4025	4.0L	246	RANGER	1995 - 1997	V6	COLOGNE 40	F.I.	O.H.V.	FOTZ 6148 M	SWT20072
4025	4.0L	246	EXPLORER	2000 - 2001	V6	COLOGNE 40	F.I.	O.H.V.	FOTZ 6148 M	SWT20072
4195	4.2L	256	CLUB WAGON	1997 - 1998	V6	ESSEX V6 42	F.I.	O.H.V.	F6ZZ 6148 A	SWF30004
4195	4.2L	256	ECONOLINE E150	1997 - 2002	V6	ESSEX V6 42	F.I.	O.H.V.	F6ZZ 6148 A	SWF30004
4195	4.2L	256	ECONOLINE E250	1997 - 2002	V6	ESSEX V6 42	F.I.	O.H.V.	F6ZZ 6148 A	SWF30004
4195	4.2L	256	F150	1997 - 2008	V6	ESSEX V6 42	F.I.	O.H.V.	F6ZZ 6148 A	SWF30004
4195	4.2L	256	FREESTAR	2004 - 2008	V6	ESSEX V6 42	F.I.	O.H.V.	F6ZZ 6148 A	SWF30004
4195	4.2L	256	MONTEREY	2004 - 2008	V6	ESSEX V6 42	F.I.	O.H.V.	F6ZZ 6148 A	SWF30004
4195	4.2L	256	WINDSTAR	2004 - 2005	V6	ESSEX V6 42	F.I.	O.H.V.	F6ZZ 6148 A	SWF30004
4506	4.5L	275	LCF	2005 - 2010	V6	PowerStroke 4.5T	DIESEL	O.H.V.	3C3Z 6148 AA	TBA 4CYL
4605	4.6L	281	CONTINENTAL	1995 - 1997	V8	INTECH 46	F.I.	D.O.H.C.	F5LY 6148 A	SWF30006
4605	4.6L	281	MARK VIII	1993 - 1994	V8	INTECH 46	F.I.	D.O.H.C.	F3LY 6148 A	SWF30006
4605	4.6L	281	MARK VIII	1995 - 1997	V8	INTECH 46	F.I.	D.O.H.C.	F5LY 6148 A	SWF30006
4605	4.6L	281	MUSTANG	1996 - 1998	V8	TRITON 46C	F.I.	D.O.H.C.	F5LY 6148 A	SWF30006
4605	4.6L	281	COUGER	1994 - 1995	V8	TRITON 46GT	F.I.	S.O.H.C.	F2AZ 6148 A	SWF30006*
4605	4.6L	281	COUGER	1996 - 1997	V8	TRITON 46GT	F.I.	S.O.H.C.	F7AZ 6148 AA	SWF30006
4605	4.6L	281	Crown Victoria	1992 - 1994	V8	TRITON 46GT	F.I.	S.O.H.C.	F2AZ 6148 A	SWF30006*
4605	4.6L	281	Crown Victoria	1995 - 2000	V8	TRITON 46GT	F.I.	S.O.H.C.	F7AZ 6148 AA	SWF30006
4605	4.6L	281	ECONOLINE E150	2000 - 2002	V8	TRITON 46GT	F.I.	S.O.H.C.	2L3Z 6148 AA	SWF30006
4605	4.6L	281	EXPEDITON	1997 - 2004	V8	TRITON 46GT	F.I.	S.O.H.C.	F7AZ 6148 AA	SWF30006
4605	4.6L	281	F150	1997 - 2002	V8	TRITON 46GT	F.I.	S,O,H,C	2L3Z 6148 AA	SWF30006
4605	4.6L	281	Grand Marquis	1992 - 1995	V8	TRITON 46GT	F.I.	S.O.H.C.	F2AZ 6148 A	SWF30006*
FORD, LINCOLN, MERCURY, MERKER - CONTINUED										

PISTONS

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PISTON REFERENCE NUMBER	NOA PISTON #	HEAD PAGE #	DIA. mm	1 S T	2 N D	3 R D	O 1	O 2	REMARK
FORD, LINCOLN, MERCURY, MERKER									
XL2Z 6100 AA	X		100.40	1.60	1.75		3.50		VIN-E, 12 VALVE
XL2Z 6100 AA	X		3.953	0.063	0.069		0.138		VIN-E, 12 VALVE
XL2Z 6100 AA	X								VIN-E, 12 VALVE
XL2Z 6108 AA	11-914	354	100.40	1.20	1.50		3.00		12 VALVE
XL2Z 6108 AA	11-914	354	3.953	0.047	0.059		0.118		Incl. TRUCK, 12 VALVE
2U3Z 6108 AA	11-914	354							12 VALVE
XL2Z 6108 AA	11-914	354							12 VALVE
XL2Z 6108 AA	11-914	354							12 VALVE
F2TZ 6108 EB	X		100.40	1.60	1.75		3.50		VIN-X, 12 VALVE
F2TZ 6108 EB	X		3.953	0.063	0.069		0.138		VIN-X, 12 VALVE
FOTZ 6100 B	X		100.40	1.60	1.75		3.50		12 VALVE
			3.953	0.063	0.069		0.138		
F5TZ 6100 A	X		100.40	1.60	1.75		3.50		VIN-X, 12 VALVE
F5TZ 6100 A	X		3.953	0.063	0.069		0.138		VIN-X, 12 VALVE
F5TZ 6100 A	X								VIN-X, 12 VALVE
F8TZ 6100 AA	X		100.40	1.60	1.75		3.50		VIN-X, 12 VALVE
			3.953	0.063	0.069		0.138		
XL3Z 6108 AA	11-826	332	96.80	1.50	1.50		3.00		12 VALVE
XL3Z 6108 AA	11-826	332	3.811	0.059	0.059		0.118		12 VALVE
XL3Z 6108 AA	11-826	332							12 VALVE
XL3Z 6108 AA	11-826	332							VIN-2, 12 VALVE
XL3Z 6108 AA	11-826	332							12 VALVE
XL3Z 6108 AA	11-826	332							12 VALVE
XL3Z 6108 AA	11-826	332							12 VALVE
3C3Z 6108 AA	11-918	354	95.00	2.25	2.00		3.50		24 VALVE
F3LZ 6108 DA	X		90.20	1.50	1.50		3.00		MODULAR COBRA, 32 VALVE
F3LZ 6108 DA	X		3.551	0.059	0.059		0.118		MODULAR COBRA, 32 VALVE
F3LZ 6108 DA	X								MODULAR COBRA, 32 VALVE
F3LZ 6108 DA	X								MODULAR COBRA, VIN-V, 32 VALVE
F8AZ 6108 AA	11-820	331	90.20	1.50	1.50		3.00		MODULAR GT, RED, 16 VALVE
F8AZ 6108 AA	11-820	331	3.551	0.059	0.059		0.118		MODULAR GT, RED, 16 VALVE
F8AZ 6108 AA	11-820	331							MODULAR GT, 16 VALVE
F8AZ 6108 AA	11-820	331							MODULAR GT, 16 VALVE
F8AZ 6108 AA	11-820	331							MODULAR GT, Code W, 16 VALVE
F8AZ 6108 AA	11-820	331							MODULAR GT, VIN-W, 16 VALVE
F8AZ 6108 AA	11-820	331							MODULAR GT, VIN-W, 16 VALVE
F8AZ 6108 AA	11-820	331							MODULAR GT, 16 VALVE
	11-820 CONTINUED								
FORD, LINCOLN, MERCURY, MERKER - CONTINUED									

U.S. APPLICATIONS

PISTON RINGS

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ENGINE SIZE			MODEL NAME	YEAR	C Y L	ENGINE CODE NUMBER	F.I. CARB DIESEL	O.H.V. S.O.H.C. D.O.H.C.	RING REFERENCE NUMBER	NOA PISTON RING #
cc	L	ci								

FORD, LINCOLN, MERCURY, MERKER

4605	4.6L	281	Grand Marquis	1996 - 2000	V8	TRITON 46GT	F.I.	S.O.H.C.	2L3Z 6148 GA	SWF30006
4605	4.6L	281	MUSTANG	1996 - 1997	V8	TRITON 46GT	F.I.	S.O.H.C.	F7AZ 6148 AA	SWF30006
4605	4.6L	281	MUSTANG	1996 - 2000	V8	TRITON 46GT	F.I.	S.O.H.C.	F7AZ 6148 AA	SWF30006
4605	4.6L	281	THUNDERBIRD	1994 - 1997	V8	TRITON 46GT	F.I.	S.O.H.C.	F7AZ 6148 AA	SWF30006
4605	4.6L	281	TOWN CAR	1991 - 1994	V8	TRITON 46GT	F.I.	S.O.H.C.	F2AZ 6148 A	SWF30006*
4605	4.6L	281	TOWN CAR	1995 - 1997	V8	TRITON 46GT	F.I.	S.O.H.C.	F7AZ 6148 AA	SWF30006
4605	4.6L	281	ECONOLINE E150	1997 - 1999	V8	TRITON 46GT	F.I.	S.O.H.C.	2L3Z 6148 AA	SWF30006
4605	4.6L	281	EXPEDITON	1997 - 2004	V8	TRITON 46GT	F.I.	S.O.H.C.	2L3Z 6148 AA	SWF30006
4605	4.6L	281	F150	2001 - 2004	V8	TRITON 46GT	F.I.	S.O.H.C.	2L3Z 6148 AA	SWF30006
4605	4.6L	281	Grand Marquis	1996 ONLY	V8	TRITON 46GT	F.I.	S.O.H.C.	2L3Z 6148 AA	SWF30006
4605	4.6L	281	PICKUP	1997 - 1999	V8	TRITON 46GT	F.I.	S.O.H.C.	2L3Z 6148 AA	SWF30006
4605	4.6L	281	CLUB WAGON	1997 - 1998	V8	TRITON 46GT	F.I.	S.O.H.C.	2L3Z 6148 AA	SWF30006
4605	4.6L	281	Crown Victoria	2001 - 2002	V8	TRITON 46GT	F.I.	S.O.H.C.	F7AZ 6148 AA	SWF30006
4605	4.6L	281	Crown Victoria	2003 - 2008	V8	TRITON 46GT	F.I.	S.O.H.C.	1L2Z 6148 AA	SWF30006
4605	4.6L	281	ECONOLINE E150	2003 - 2004	V8	TRITON 46GT	F.I.	S.O.H.C.	2L3Z 6148 AA	SWF30006
4605	4.6L	281	ECONOLINE E250	2003 - 2004	V8	TRITON 46GT	F.I.	S.O.H.C.	2L3Z 6148 AA	SWF30006
4605	4.6L	281	EXPLORER	2002 - 2005	V8	TRITON 46GT	F.I.	S.O.H.C.	1L2Z 6148 AA	SWF30006
4605	4.6L	281	F150	2003 - 2004	V8	TRITON 46GT	F.I.	S.O.H.C.	2L3Z 6148 AA	SWF30006
4605	4.6L	281	Grand Marquis	2001 - 2011	V8	TRITON 46GT	F.I.	S.O.H.C.	2L3Z 6148 GA	SWF30006
4605	4.6L	281	MOUNTAINEER	2002 - 2005	V8	TRITON 46GT	F.I.	S.O.H.C.	2L3Z 6148 DA	SWF30006
4605	4.6L	281	MUSTANG	2000 - 2004	V8	TRITON 46GT	F.I.	S.O.H.C.	2L3Z 6148 DA	SWF30006
4605	4.6L	281	TOWN CAR	2002 - 2011	V8	TRITON 46GT	F.I.	S.O.H.C.	2L3Z 6148 GA	SWF30006
4605	4.6L	281	ECONOLINE E150	2005 - 2008	V8	TRITON 46GT	F.I.	S.O.H.C.	2L3Z 6148 AA	SWF30006
4605	4.6L	281	ECONOLINE E250	2005 - 2008	V8	TRITON 46GT	F.I.	S.O.H.C.	2L3Z 6148 AA	SWF30006
4605	4.6L	281	F150	2005 - 2008	V8	TRITON 46GT	F.I.	S.O.H.C.	2L3Z 6148 AA	SWF30006
4605	4.6L	281	ECONOLINE E150	2009 - 2015	V8	TRITON 46GT	F.I.	S.O.H.C.	6L3Z 6148 A	SWF30006
4605	4.6L	281	ECONOLINE E250	2009 - 2015	V8	TRITON 46GT	F.I.	S.O.H.C.	6L3Z 6148 A	SWF30006
4605	4.6L	281	F150	2009 - 2010	V8	TRITON 46GT	F.I.	S.O.H.C.	6L3Z 6148 A	SWF30006
4605	4.6L	281	EXPLORER	2006 - 2010	V8	TRITON 46V	F.I.	S.O.H.C.	2L3Z 6148 DA	SWF30006
4605	4.6L	281	Explorer Sports	2007 - 2010	V8	TRITON 46V	F.I.	S.O.H.C.	2L3Z 6148 DA	SWF30006
4605	4.6L	281	MOUNTAINEER	2006 - 2010	V8	TRITON 46V	F.I.	S.O.H.C.	2L3Z 6148 DA	SWF30006
4605	4.6L	281	MUSTANG	2005 - 2009	V8	TRITON 46V	F.I.	S.O.H.C.	2L3Z 6148 DA	SWF30006
4605	4.6L	281	CONTINENTAL	1998 - 1999	V8	INTECH 46	F.I.	D.O.H.C.	F8LZ 6148 AA	SWF30008
4605	4.6L	281	MARK VIII	1998 ONLY	V8	INTECH 46	F.I.	D.O.H.C.	F8LZ 6148 AA	SWF30008
4605	4.6L	281	TOWN CAR	1998 - 2001	V8	INTECH 46	F.I.	D.O.H.C.	F8LZ 6148 AA	SWF30008
4605	4.6L	281	MUSTANG	1999 - 2002	V8	TRITON 46C	F.I.	D.O.H.C.	F8LZ 6148 AA	SWF30008

FORD, LINCOLN, MERCURY, MERKER - CONTINUED

PISTONS

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PISTON REFERENCE NUMBER	NOA PISTON #	HEAD PAGE #	DIA. mm	1 S T	2 N D	3 R D	O 1	O 2	REMARK
FORD, LINCOLN, MERCURY, MERKER									
F8AZ 6108 AA	11-820	331	90.20	1.50	1.50		3.00		MODULAR GT, VIN-W, 16 VALVE
F8AZ 6108 AA	11-820	331	3.551	0.059	0.059		0.118		MODULAR GT, VIN-W, 16 VALVE
F8AZ 6108 AA	11-820	331							MODULAR GT, VIN-X, 16 VALVE
F8AZ 6108 AA	11-820	331							MODULAR GT, 16 VALVE
F8AZ 6108 AA	11-820	331							MODULAR GT, 16 VALVE
F8AZ 6108 AA	11-820	331							MODULAR GT, 16 VALVE
XC2Z 6108 CA	X		90.20	1.50	1.50		3.00		MODULAR GT, Code 6, 16 VALVE
XC2Z 6108 CA	X		3.551	0.059	0.059		0.118		MODULAR GT, VIN-6, 16 VALVE
XC2Z 6108 CA	X								MODULAR GT, VIN-6, 16 VALVE
XC2Z 6108 CA	X								MODULAR GT, VIN-6, 16 VALVE
XC2Z 6108 CA	X								MODULAR GT, VIN-6, 16 VALVE
F5DZ 6108A	X		90.20	1.50	1.50		3.00		MODULAR GT, 16 VALVE
			3.551	0.059	0.059		0.118		
1L2Z 6108 AA	X		90.20	1.50	1.50		3.00		MODULAR GT, 16 VALVE
1L2Z 6108 AA	X		3.551	0.059	0.059		0.118		MODULAR GT, 16 VALVE
1L2Z 6108 AA	X								MODULAR GT, Code W, 16 VALVE
1L2Z 6108 AA	X								MODULAR GT, Code W, 16 VALVE
1L2Z 6108 AA	X								MODULAR GT, 16 VALVE
1L2Z 6108 AA	X								MODULAR GT, VIN-W, 16 VALVE
1L2Z 6108 AA	X								MODULAR GT, 16 VALVE
1L2Z 6108 AA	X								MODULAR GT, 16 VALVE
1L2Z 6108 AA	X								MODULAR GT, 16 VALVE
2L2Z 6108 MA	X		90.20	1.50	1.50		3.00		MODULAR GT, Code W, 16 VALVE
2L2Z 6108 MA	X		3.551	0.059	0.059		0.118		MODULAR GT, Code W, 16 VALVE
2L2Z 6108 MA	X								MODULAR GT, VIN-W, 16 VALVE
8L2Z 6108 H	X		90.20	1.50	1.50		3.00		MODULAR GT, Code W, 16 VALVE
8L2Z 6108 H	X		3.551	0.059	0.059		0.118		MODULAR GT, Code W, 16 VALVE
8L2Z 6108 H	X								MODULAR GT, VIN-W, 16 VALVE
8R3Z 6100 G	11-903	350	90.20	1.50	1.50		3.00		MODULAR VCT, 24 VALVE
8R3Z 6100 G	11-903	350	3.551	0.059	0.059		0.118		MODULAR VCT, 24 VALVE
8R3Z 6100 G	11-903	350							MODULAR VCT, 24 VALVE
8R3Z 6100 G	11-903	350							MODULAR VCT, 24 VALVE
XR3Z 6108 HA	X		90.20	1.20	1.50		3.00		MODULAR COBRA, 32 VALVE
XR3Z 6108 HA	X		3.551	0.047	0.059		0.118		MODULAR COBRA, 32 VALVE
XR3Z 6108 HA	X								MODULAR COBRA, 32 VALVE
XL3Z 6108 HA	X		90.20	1.20	1.50		3.00		MODULAR COBRA, 32 VALVE
			3.551	0.047	0.059		0.118		
FORD, LINCOLN, MERCURY, MERKER - CONTINUED									

U.S. APPLICATIONS

PISTON RINGS

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ENGINE SIZE			MODEL NAME	YEAR	CYL	ENGINE CODE NUMBER	F.I. CARB DIESEL	O.H.V. S.O.H.C. D.O.H.C.	RING REFERENCE NUMBER	NOA PISTON RING #
cc	L	ci								

FORD, LINCOLN, MERCURY, MERKER

4605	4.6L	281	CONTINENTAL	2000 - 2002	V8	INTECH 46	F.I.	D.O.H.C.	F8LZ 6148 AA	SWF30008
4605	4.6L	281	AVIATOR	2003 - 2006	V8	TRITON 46C	F.I.	D.O.H.C.	-	NA
4605	4.6L	281	MARAUDER	2003 - 2005	V8	TRITON 46C	F.I.	D.O.H.C.	-	NA
4916	4.9L	300	CLUB WAGON	1975 - 1976	6	straight-6 300	CARB	O.H.V.	C3AZ 6148 F	SWF80017
4916	4.9L	300	ECONOLINE E100	1975 - 1976	6	straight-6 300	CARB	O.H.V.	C3AZ 6148 F	SWF80017
4916	4.9L	300	F100	1975 - 1976	6	straight-6 300	CARB	O.H.V.	C3AZ 6148 F	SWF80017
4916	4.9L	300	CLUB WAGON	1977 - 1978	6	straight-6 300	CARB	O.H.V.	C3AZ 6148 F	SWF80017
4916	4.9L	300	ECONOLINE E100	1977 - 1978	6	straight-6 300	CARB	O.H.V.	C3AZ 6148 F	SWF80017
4916	4.9L	300	ECONOLINE E150	1977 - 1978	6	straight-6 300	CARB	O.H.V.	C3AZ 6148 F	SWF80017
4916	4.9L	300	ECONOLINE E250	1977 - 1978	6	straight-6 300	CARB	O.H.V.	C3AZ 6148 F	SWF80017
4916	4.9L	300	ECONOLINE E350	1977 - 1981	6	straight-6 300	CARB	O.H.V.	C3AZ 6148 F	SWF80017
4916	4.9L	300	F100	1977 - 1978	6	straight-6 300	CARB	O.H.V.	C3AZ 6148 F	SWF80017
4916	4.9L	300	F150	1977 - 1978	6	straight-6 300	CARB	O.H.V.	C3AZ 6148 F	SWF80017
4916	4.9L	300	F250	1977 - 1978	6	straight-6 300	CARB	O.H.V.	C3AZ 6148 F	SWF80017
4916	4.9L	300	F350	1977 - 1981	6	straight-6 300	CARB	O.H.V.	C3AZ 6148 F	SWF80017
4916	4.9L	300	CLUB WAGON	1974 - 1986	6	straight-6 300	CARB	O.H.V.	C3AZ 6148 F	SWF80017
4916	4.9L	300	ECONOLINE E100	1974 ONLY	6	straight-6 300	CARB	O.H.V.	C3AZ 6148 F	SWF80017
4916	4.9L	300	ECONOLINE E150	1975 - 1978	6	straight-6 300	CARB	O.H.V.	C3AZ 6148 F	SWF80017
4916	4.9L	300	ECONOLINE E200	1974 ONLY	6	straight-6 300	CARB	O.H.V.	C3AZ 6148 F	SWF80017
4916	4.9L	300	ECONOLINE E250	1975 - 1978	6	straight-6 300	CARB	O.H.V.	C3AZ 6148 F	SWF80017
4916	4.9L	300	ECONOLINE E250	1982 - 1986	6	straight-6 300	CARB	O.H.V.	C3AZ 6148 F	SWF80017
4916	4.9L	300	ECONOLINE E300	1974 ONLY	6	straight-6 300	CARB	O.H.V.	C3AZ 6148 F	SWF80017
4916	4.9L	300	ECONOLINE E350	1975 - 1984	6	straight-6 300	CARB	O.H.V.	C3AZ 6148 F	SWF80017
4916	4.9L	300	F150	1975 - 1978	6	straight-6 300	CARB	O.H.V.	C3AZ 6148 F	SWF80017
4916	4.9L	300	F250	1975 - 1978	6	straight-6 300	CARB	O.H.V.	C3AZ 6148 F	SWF80017
4916	4.9L	300	F250	1982 - 1986	6	straight-6 300	CARB	O.H.V.	C3AZ 6148 F	SWF80017
4916	4.9L	300	F350	1975 - 1985	6	straight-6 300	CARB	O.H.V.	C3AZ 6148 F	SWF80017
4916	4.9L	300	PICKUP	1974 ONLY	6	straight-6 300	CARB	O.H.V.	C3AZ 6148 F	SWF80017
4916	4.9L	300	BRONCO	1980 - 1982	6	straight-6 300	CARB	O.H.V.	C3AZ 6148 F	SWF80017
4916	4.9L	300	CLUB WAGON	1977 - 1984	6	straight-6 300	CARB	O.H.V.	C3AZ 6148 F	SWF80017
4916	4.9L	300	ECONOLINE E100	1977 - 1983	6	straight-6 300	CARB	O.H.V.	C3AZ 6148 F	SWF80017
4916	4.9L	300	ECONOLINE E150	1979 - 1984	6	straight-6 300	CARB	O.H.V.	C3AZ 6148 F	SWF80017
4916	4.9L	300	ECONOLINE E250	1979 - 1984	6	straight-6 300	CARB	O.H.V.	C3AZ 6148 F	SWF80017
4916	4.9L	300	F100	1977 - 1983	6	straight-6 300	CARB	O.H.V.	C3AZ 6148 F	SWF80017
4916	4.9L	300	F150	1979 - 1984	6	straight-6 300	CARB	O.H.V.	C3AZ 6148 F	SWF80017
4916	4.9L	300	F250	1979 - 1984	6	straight-6 300	CARB	O.H.V.	C3AZ 6148 F	SWF80017
4916	4.9L	300	BRONCO	1983 - 1989	6	straight-6 300	C & F	O.H.V.	F6DZ 6148 RA	SWF80017
4916	4.9L	300	CLUB WAGON	1987 - 1989	6	straight-6 300	F.I.	O.H.V.	C3AZ 6148 F	SWF80017
4916	4.9L	300	F150	1985 - 1989	6	straight-6 300	C & F	O.H.V.	C3AZ 6148 F	SWF80017
4916	4.9L	300	F250	1985 - 1989	6	straight-6 300	C & F	O.H.V.	C3AZ 6148 F	SWF80017

FORD, LINCOLN, MERCURY, MERKER - CONTINUED

PISTONS

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PISTON REFERENCE NUMBER	NOA PISTON #	HEAD PAGE #	DIA. mm	1 S T	2 N D	3 R D	O 1	O 2	REMARK
FORD, LINCOLN, MERCURY, MERKER									
XR3Z 6108 GA	X		90.20	1.20	1.50		3.00		MODULAR COBRA, 32 VALVE
			3.551	0.047	0.059		0.118		
2C5Z 6108 AB	X		90.20						MODULAR COBRA, 32 VALVE
2C5Z 6108 AB	X		3.551	0.000	0.000		0.000		MODULAR COBRA, 32 VALVE
C8AZ 6108 CB	X		101.60	1.98	1.98		4.76		E100
C8AZ 6108 CB	X		4.000	0.078	0.078		0.188		
C8AZ 6108 CB	X								
D3TZ 6108 GB	X		101.60	1.98	1.98		4.76		E100, E150, E250, E350, Code K
D3TZ 6108 GB	X		4.000	0.078	0.078		0.188		Code K
D3TZ 6108 GB	X								Code K
D3TZ 6108 GB	X								Code K
D3TZ 6108 GB	X								Code K
D3TZ 6108 GB	X								Code K
D3TZ 6108 GB	X								Code K
D3TZ 6108 GB	X								Code K
D3TZ 6108 GB	X								Code K
E4TZ 6108 P	X		101.60	1.98	1.98		4.76		E150, E250, E350, Code B & C
E4TZ 6108 P	X		4.000	0.078	0.078		0.188		Code B & C
E4TZ 6108 P	X								Code B & C
E4TZ 6108 P	X								Code B & C
E4TZ 6108 P	X								Code B & C
E4TZ 6108 P	X								Code B & C
E4TZ 6108 P	X								Code B & C
E4TZ 6108 P	X								Code B & C
E4TZ 6108 P	X								Code B & C
E4TZ 6108 P	X								Code B & C
E4TZ 6108 P	X								Code B & C
E4TZ 6108 P	X								Code B & C
E4TZ 6108 P	X								Code B & C
E2TZ 6108 AB	X		101.60	1.98	1.98		4.76		
E2TZ 6108 AB	X		4.000	0.078	0.078		0.188		E100, E150, E250, Code B & C
E2TZ 6108 AB	X								Code B & C
E2TZ 6108 AB	X								Code B & C
E2TZ 6108 AB	X								Code B & C
E2TZ 6108 AB	X								Code B & C
E2TZ 6108 AB	X								
E2TZ 6108 AB	X								
F5DZ 6108 A	X		101.60	1.98	1.98		4.76		VIN-Y
F5DZ 6108 A	X		4.000	0.078	0.078		0.188		E150, E250, E350
F5DZ 6108 A	X								
F5DZ 6108 A	X								
FORD, LINCOLN, MERCURY, MERKER - CONTINUED									

PISTONS

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PISTON REFERENCE NUMBER	NOA PISTON #	HEAD PAGE #	DIA. mm	1 S T	2 N D	3 R D	O 1	O 2	REMARK
FORD, LINCOLN, MERCURY, MERKER									
D3OZ 6108 A	X		101.60	1.98	1.98		4.76		
D3OZ 6108 A	X		4.000	0.078	0.078		0.188		
D3OZ 6108 A	X								
D3OZ 6108 A	X								
D3OZ 6108 A	X								
D3OZ 6108 A	X								
E6TZ 6108 AB	X		101.60	1.98	1.98		4.76		
E6TZ 6108 AB	X		4.000	0.078	0.078		0.188		Steel Valve Cover, RED
E6TZ 6108 AB	X								
E6TZ 6108 AB	X								
E6TZ 6108 AB	X								
E6TZ 6108 AB	X								RED
E6TZ 6108 AB	X								RED
E6TZ 6108 AB	X								
E6TZ 6108 AB	X								
E6TZ 6108 AB	X								
E6TZ 6108 AB	X								Steel Valve Cover
E6TZ 6108 AB	X								
E6TZ 6108 AB	X								w/ VTECH, Steel Valve Cover
E6TZ 6108 AB	X								
E6TZ 6108 AB	X								Steel Valve Cover
E6TZ 6108 AB	X								
E6TZ 6108 AB	X								RED
E6TZ 6108 AB	X								RED
E6TZ 6108 AB	X								w/ VTECH, Steel Valve Cover
E6TZ 6108 AB	X								
E6TZ 6108 AB	X								
E6TZ 6108 AB	X								Steel Valve Cover
E6TZ 6108 AB	X								
E6TZ 6108 AB	X								
E6TZ 6108 AB	X		101.60	1.98	1.98		4.76		Aluminum Valve Cover, RED
E6TZ 6108 AB	X		4.000	0.078	0.078		0.188		Aluminum Valve Cover, RED
E6TZ 6108 AB	X								Aluminum Valve Cover
E6TZ 6108 AB	X								w/ VTECH, Aluminum Valve Cover
E6TZ 6108 AB	X								Aluminum Valve Cover
E6TZ 6108 AB	X								w/ VTECH, Aluminum Valve Cover
E6TZ 6108 AB	X								Aluminum Valve Cover
FORD, LINCOLN, MERCURY, MERKER - CONTINUED									

U.S. APPLICATIONS

PISTON RINGS

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ENGINE SIZE			MODEL NAME	YEAR	C Y L	ENGINE CODE NUMBER	F.I. CARB DIESEL	O.H.V. S.O.H.C. D.O.H.C.	RING REFERENCE NUMBER	NOA PISTON RING #
cc	L	ci								

FORD, LINCOLN, MERCURY, MERKER

4949	4.9L	302	BRONCO	1986 ONLY	V8	WINDSOR 302	F.I.	O.H.V.	E6TZ 6148 A	SWF80016
4949	4.9L	302	CLUB WAGON	1982 - 1989	V8	WINDSOR 302	F.I.	O.H.V.	E6TZ 6148 A	SWF80016
4949	4.9L	302	ECONOLINE E150	1986 - 1989	V8	WINDSOR 302	F.I.	O.H.V.	E6TZ 6148 A	SWF80016
4949	4.9L	302	ECONOLINE E250	1987 - 1989	V8	WINDSOR 302	F.I.	O.H.V.	E6TZ 6148 A	SWF80016
4949	4.9L	302	F150	1986 ONLY	V8	WINDSOR 302	F.I.	O.H.V.	E6TZ 6148 A	SWF80016
4949	4.9L	302	F250	1985 - 1986	V8	WINDSOR 302	C & F	O.H.V.	E6TZ 6148 A	SWF80016
4951	5.0L	302	F150	2011 - 2015	V8	COYOTE 50	F.I.	D.O.H.C.	CU7Z 6148 A	SWF30027
4951	5.0L	302	MUSTANG	2010 - 2015	V8	COYOTE 50	F.I.	D.O.H.C.	CU7Z 6148 A	SWF30027
4951	5.0L	302	SHELBY GT500	2014 - 2017	V8	COYOTE 50	F.I.	D.O.H.C.	CU7Z 6148 A	SWF30027
5408	5.4L	330	EXCURSION	1999 - 2006	V8	TRITON 54	F.I.	S.O.H.C.	2L3Z 6148 AA	SWF30006
5408	5.4L	330	EXPEDITON	1999 - 2004	V8	TRITON 54	F.I.	S.O.H.C.	2L3Z 6148 AA	SWF30006
5408	5.4L	330	F150	1999 - 2003	V8	TRITON 54	F.I.	S,O,H,C,	2L3Z 6148 AA	SWF30006
5408	5.4L	330	F250	1999 - 2003	V8	TRITON 54	F.I.	S,O,H,C,	2L3Z 6148 AA	SWF30006
5408	5.4L	330	F350	1999 - 2003	V8	TRITON 54	F.I.	S,O,H,C,	2L3Z 6148 AA	SWF30006
5408	5.4L	330	NAVIGATOR	1999 ONLY	V8	INTECH 54	F.I.	S.O.H.C.	2L3Z 6148 AA	SWF30006
5408	5.4L	330	CLUB WAGON	1997 - 1998	V8	TRITON 54	F.I.	S.O.H.C.	2L3Z 6148 AA	SWF30006
5408	5.4L	330	ECONOLINE E150	1997 - 2010	V8	TRITON 54	F.I.	S.O.H.C.	2L3Z 6148 AA	SWF30006
5408	5.4L	330	ECONOLINE E250	1997 - 2010	V8	TRITON 54	F.I.	S.O.H.C.	2L3Z 6148 AA	SWF30006
5408	5.4L	330	ECONOLINE E350	1997 - 2010	V8	TRITON 54	F.I.	S.O.H.C.	2L3Z 6148 AA	SWF30006
5408	5.4L	330	ECONOLINE E450	1997 - 2010	V8	TRITON 54	F.I.	S.O.H.C.	2L3Z 6148 AA	SWF30006
5408	5.4L	330	EXCURSION	2000 ONLY	V8	TRITON 54	F.I.	S.O.H.C.	2L3Z 6148 AA	SWF30006
5408	5.4L	330	EXPEDITON	1997 - 2000	V8	TRITON 54	F.I.	S.O.H.C.	2L3Z 6148 AA	SWF30006
5408	5.4L	330	F150	1997 - 2000	V8	TRITON 54	F.I.	S,O,H,C,	2L3Z 6148 AA	SWF30006
5408	5.4L	330	F250	1997 - 2000	V8	TRITON 54	F.I.	S,O,H,C,	2L3Z 6148 AA	SWF30006
5408	5.4L	330	F350	1997 - 2000	V8	TRITON 54	F.I.	S,O,H,C,	2L3Z 6148 AA	SWF30006
5408	5.4L	330	F450	1997 - 2010	V8	TRITON 54	F.I.	S.O.H.C.	2L3Z 6148 AA	SWF30006
5408	5.4L	330	NAVIGATOR	1998 - 1999	V8	INTECH 54	F.I.	S.O.H.C.	2L3Z 6148 AA	SWF30006
5408	5.4L	330	ECONOLINE E150	2011 - 2015	V8	TRITON 54	F.I.	S.O.H.C.	6L3Z 6148 A	SWF30006
5408	5.4L	330	ECONOLINE E250	2011 - 2015	V8	TRITON 54	F.I.	S.O.H.C.	6L3Z 6148 A	SWF30006
5408	5.4L	330	ECONOLINE E350	2011 - 2015	V8	TRITON 54	F.I.	S.O.H.C.	6L3Z 6148 A	SWF30006
5408	5.4L	330	ECONOLINE E450	2011 - 2015	V8	TRITON 54	F.I.	S.O.H.C.	6L3Z 6148 A	SWF30006
5408	5.4L	330	F450	2011 - 2015	V8	TRITON 54	F.I.	S.O.H.C.	6L3Z 6148 A	SWF30006
5409	5.4L	330	BLACKWOOD	2002 ONLY	V8	TRITON 54	F.I.	D.O.H.C.	6L3Z 6148 A	SWF30006
5409	5.4L	330	NAVIGATOR	1999 - 2004	V8	INTECH 54	F.I.	D.O.H.C.	2L3Z 6148 AA	SWF30006
5409	5.4L	330	GT	2004 - 2006	V8	TRITON 54	F.I.	D.O.H.C.	6L3Z 6148 A*	SWF30006

FORD, LINCOLN, MERCURY, MERKER - CONTINUED

PISTONS

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PISTON REFERENCE NUMBER	NOA PISTON #	HEAD PAGE #	DIA. mm	1 S T	2 N D	3 R D	O 1	O 2	REMARK
FORD, LINCOLN, MERCURY, MERKER									
E6TZ 6108 AB	X		101.60	1.98	1.98		4.76		
E6TZ 6108 AB	X		4.000	0.078	0.078		0.188		
E6TZ 6108 AB	X								
E6TZ 6108 AB	X								
E6TZ 6108 AB	X								
E6TZ 6108 AB	X								
BL3Z 6108 N	X		92.20	1.20	1.20		2.50		MODULAR, 32 VALVE
			3.630	0.047	0.047		0.098		
BR3Z 6108 FB	X		92.20	1.20	1.20		2.50		MODULAR, 32 VALVE
BR3Z 6108 FB	X		3.630	0.047	0.047		0.098		MODULAR, 32 VALVE
XL3Z 6148 KA	11-809	330	90.20	1.50	1.50		3.00		MODULAR, 16 VALVE
XL3Z 6148 KA	11-809	330	3.551	0.059	0.059		0.118		MODULAR, 16 VALVE
XL3Z 6148 KA	11-809	330							MODULAR, 16 VALVE
XL3Z 6148 KA	11-809	330							MODULAR, 16 VALVE
XL3Z 6148 KA	11-809	330							MODULAR, 16 VALVE
XL3Z 6148 KA	11-809	330							MODULAR, 16 VALVE
XC3Z 6108 CA	11-810	330	90.20	1.50	1.50		3.00		MODULAR, 16 VALVE
XC3Z 6108 CA	11-810	330	3.551	0.059	0.059		0.118		MODULAR, 16 VALVE
XC3Z 6108 CA	11-810	330							MODULAR, 16 VALVE
XC3Z 6108 CA	11-810	330							MODULAR, 16 VALVE
XC3Z 6108 CA	11-810	330							MODULAR, 16 VALVE
XC3Z 6108 CA	11-810	330							MODULAR, 16 VALVE
XC3Z 6108 CA	11-810	330							MODULAR, 16 VALVE
XC3Z 6108 CA	11-810	330							MODULAR, 16 VALVE
XC3Z 6108 CA	11-810	330							MODULAR, 16 VALVE
XC3Z 6108 CA	11-810	330							MODULAR, 16 VALVE
XC3Z 6108 CA	11-810	330							MODULAR, 16 VALVE
XC3Z 6108 CA	11-810	330							MODULAR, 16 VALVE
XC3Z 6108 CA	11-810	330							MODULAR, 16 VALVE
2L3Z 6108 AA	X		90.20	1.50	1.50		3.00		MODULAR, 16 VALVE
2L3Z 6108 AA	X		3.551	0.059	0.059		0.118		MODULAR, 16 VALVE
2L3Z 6108 AA	X								MODULAR, 16 VALVE
2L3Z 6108 AA	X								MODULAR, 16 VALVE
2L3Z 6108 AA	X								MODULAR, 16 VALVE
XL7Z 6108 CA	X		90.20	1.50	1.50		3.00		MODULAR, 32 VALVE
XL7Z 6108 CA	X		3.551	0.059	0.059		0.118		MODULAR, 32 VALVE
-	X		90.20	1.50	1.50		3.00		MODULAR, 32 VALVE
			3.551	0.059	0.059		0.118		
FORD, LINCOLN, MERCURY, MERKER - CONTINUED									

U.S. APPLICATIONS

PISTON RINGS

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ENGINE SIZE			MODEL NAME	YEAR	C Y L	ENGINE CODE NUMBER	F.I. CARB DIESEL	O.H.V. S.O.H.C. D.O.H.C.	RING REFERENCE NUMBER	NOA PISTON RING #
cc	L	ci								

FORD, LINCOLN, MERCURY, MERKER

5409	5.4L	330	EXPEDITON	2005 - 2015	V8	TRITON 54V	F.I.	S.O.H.C.	6L3Z 6148 A	SWF30006
5409	5.4L	330	F150	2004 - 2010	V8	TRITON 54V	F.I.	S,O,H,C,	2L3Z 6148 AA	SWF30006
5409	5.4L	330	F250	2004 - 2010	V8	TRITON 54V	F.I.	S,O,H,C,	2L3Z 6148 AA	SWF30006
5409	5.4L	330	F350	2004 - 2010	V8	TRITON 54V	F.I.	S,O,H,C,	2L3Z 6148 AA	SWF30006
5409	5.4L	330	MARK LT	2005 - 2008	V8	INTECH 54	F.I.	S.O.H.C.	2L3Z 6148 AA	SWF30006
5409	5.4L	330	NAVIGATOR	2005 - 2015	V8	TRITON 54V	F.I.	S.O.H.C.	6L3Z 6148 A	SWF30006
5409	5.4L	330	SHELBY GT500	2007 - 2012	V8	TRITON 54	F.I.	D.O.H.C.	4G7Z 6148 AA	SWF30006
5752	5.8L	351	BRONCO	1978 - 1981	V8	351M Cleveland	CARB	O.H.V.	C3AZ 6148 F	SWF80016
5752	5.8L	351	CLUB WAGON	1977 - 1981	V8	351M Cleveland	CARB	O.H.V.	C3AZ 6148 F	SWF80016
5752	5.8L	351	ECONOLINE E100	1977 - 1983	V8	351M Cleveland	CARB	O.H.V.	C3AZ 6148 F	SWF80016
5752	5.8L	351	ECONOLINE E150	1977 - 1981	V8	351M Cleveland	CARB	O.H.V.	C3AZ 6148 F	SWF80016
5752	5.8L	351	ECONOLINE E250	1977 - 1981	V8	351M Cleveland	CARB	O.H.V.	C3AZ 6148 F	SWF80016
5752	5.8L	351	ECONOLINE E350	1977 - 1981	V8	351M Cleveland	CARB	O.H.V.	C3AZ 6148 F	SWF80016
5752	5.8L	351	PICKUP	1977 - 1981	V8	351M Cleveland	CARB	O.H.V.	C3AZ 6148 F	SWF80016
5752	5.8L	351	BRONCO	1978 - 1993	V8	WINDSOR 351	C & F	O.H.V.	C3AZ 6148 F	SWF80016
5752	5.8L	351	CLUB WAGON	1975 - 1981	V8	WINDSOR 351	CARB	O.H.V.	C3AZ 6148 F	SWF80016
5752	5.8L	351	CLUB WAGON	1985 - 1996	V8	WINDSOR 351	C & F	O.H.V.	C3AZ 6148 F	SWF80016
5752	5.8L	351	CONTINENTAL	1980 ONLY	V8	WINDSOR 351	CARB	O.H.V.	C3AZ 6148 F	SWF80016
5752	5.8L	351	ECONOLINE E100	1975 - 1981	V8	WINDSOR 351	CARB	O.H.V.	C3AZ 6148 F	SWF80016
5752	5.8L	351	ECONOLINE E150	1975 - 1981	V8	WINDSOR 351	CARB	O.H.V.	C3AZ 6148 F	SWF80016
5752	5.8L	351	ECONOLINE E150	1985 - 1993	V8	WINDSOR 351	C & F	O.H.V.	C3AZ 6148 F	SWF80016
5752	5.8L	351	ECONOLINE E250	1975 - 1981	V8	WINDSOR 351	CARB	O.H.V.	C3AZ 6148 F	SWF80016
5752	5.8L	351	ECONOLINE E250	1985 - 1993	V8	WINDSOR 351	C & F	O.H.V.	C3AZ 6148 F	SWF80016
5752	5.8L	351	ECONOLINE E350	1975 - 1981	V8	WINDSOR 351	CARB	O.H.V.	C3AZ 6148 F	SWF80016
5752	5.8L	351	ECONOLINE E350	1985 - 1993	V8	WINDSOR 351	CARB	O.H.V.	C3AZ 6148 F	SWF80016
5752	5.8L	351	Grand Marquis	1980 - 1981	V8	WINDSOR 351	CARB	O.H.V.	C3AZ 6148 F	SWF80016
5752	5.8L	351	LTD	1980 - 1981	V8	WINDSOR 351	CARB	O.H.V.	C3AZ 6148 F	SWF80016
5752	5.8L	351	LTD Crown Victoria	1980 - 1981	V8	WINDSOR 351	CARB	O.H.V.	C3AZ 6148 F	SWF80016
5752	5.8L	351	MARK VI	1980 ONLY	V8	WINDSOR 351	CARB	O.H.V.	C3AZ 6148 F	SWF80016
5752	5.8L	351	MARQUIS	1980 - 1981	V8	WINDSOR 351	CARB	O.H.V.	C3AZ 6148 F	SWF80016
5752	5.8L	351	PICKUP	1976 - 1981	V8	WINDSOR 351	CARB	O.H.V.	C3AZ 6148 F	SWF80016
5752	5.8L	351	BRONCO	1987 - 1989	V8	WINDSOR 351	F.I.	O.H.V.	C3AZ 6148 F	SWF80016
5752	5.8L	351	CONTINENTAL	1987 ONLY	V8	WINDSOR 351	F.I.	O.H.V.	C3AZ 6148 F	SWF80016
5752	5.8L	351	COUGER	1984 - 1985	V8	WINDSOR 351	CARB	O.H.V.	C3AZ 6148 F	SWF80016
5752	5.8L	351	COUGER	1991 ONLY	V8	WINDSOR 351	F.I.	O.H.V.	C3AZ 6148 F	SWF80016
5752	5.8L	351	BRONCO	1982 - 1984	V8	351M Cleveland	CARB	O.H.V.	C3AZ 6148 F	SWF80016
5752	5.8L	351	CLUB WAGON	1982 - 1984	V8	351M Cleveland	CARB	O.H.V.	C3AZ 6148 F	SWF80016
5752	5.8L	351	ECONOLINE E150	1982 - 1984	V8	351M Cleveland	CARB	O.H.V.	C3AZ 6148 F	SWF80016
5752	5.8L	351	ECONOLINE E250	1982 - 1984	V8	351M Cleveland	CARB	O.H.V.	C3AZ 6148 F	SWF80016
SWF80016 CONTINUED										
FORD, LINCOLN, MERCURY, MERKER - CONTINUED										

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PISTON REFERENCE NUMBER	NOA PISTON #	HEAD PAGE #	DIA. mm	1	2	3	O	O	REMARK
				S	N	R	1	2	
FORD, LINCOLN, MERCURY, MERKER									
3L3Z 6108 CC	11-853	338	90.20	1.50	1.50		3.00		MODULAR VCT, 24 VALVE
3L3Z 6108 CC	11-853	338	3.551	0.059	0.059		0.118		MODULAR VCT, 24 VALVE
3L3Z 6108 CC	11-853	338							MODULAR VCT, 24 VALVE
3L3Z 6108 CC	11-853	338							MODULAR VCT, 24 VALVE
3L3Z 6108 CC	11-853	338							MODULAR VCT, 24 VALVE
3L3Z 6108 CC	11-853	338							MODULAR VCT, 24 VALVE
BR3Z 6100 B	X		90.20	1.50	1.50		3.00		MODULAR, 32 VALVE
			3.551	0.059	0.059		0.118		
D5AZ 6108 A	X		101.60	1.98	1.98		4.76		
D5AZ 6108 A	X		4.000	0.078	0.078		0.188		Modified
D5AZ 6108 A	X								Modified
D5AZ 6108 A	X								Modified
D5AZ 6108 A	X								Modified
D5AZ 6108 A	X								Modified
D5AZ 6108 A	X								Modified
D9AZ 6108 GB	X		101.60	1.98	1.98		4.76		
D9AZ 6108 GB	X		4.000	0.078	0.078		0.188		Windsor
D9AZ 6108 GB	X								E150, E250, E350
D9AZ 6108 GB	X								
D9AZ 6108 GB	X								Windsor
D9AZ 6108 GB	X								Windsor
D9AZ 6108 GB	X								
D9AZ 6108 GB	X								Windsor
D9AZ 6108 GB	X								
D9AZ 6108 GB	X								Windsor
D9AZ 6108 GB	X								Windsor
D9AZ 6108 GB	X								
D9AZ 6108 GB	X								
D9AZ 6108 GB	X								RED
D9AZ 6108 GB	X								Windsor
E6TZ 6108 AB	X		101.60	1.98	1.98		4.76		
E6TZ 6108 AB	X		4.000	0.078	0.078		0.188		
E6TZ 6108 AB	X								Steel Valve Cover, RED
E6TZ 6108 AB	X								
F5DZ 6108 A	X		101.60	1.98	1.98		4.76		
F5DZ 6108 A	X		4.000	0.078	0.078		0.188		
F5DZ 6108 A	X								
F5DZ 6108 A	X								
FORD, LINCOLN, MERCURY, MERKER - CONTINUED									

U.S. APPLICATIONS

PISTON RINGS

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ENGINE SIZE			MODEL NAME	YEAR	C Y L	ENGINE CODE NUMBER	F.I. CARB DIESEL	O.H.V. S.O.H.C. D.O.H.C.	RING REFERENCE NUMBER	NOA PISTON RING #
cc	L	ci								

FORD, LINCOLN, MERCURY, MERKER

5752	5.8L	351	ECONOLINE E350	1982 - 1987	V8	351M Cleveland	CARB	O.H.V.	C3AZ 6148 F	SWF80016
5752	5.8L	351	F150	1985 - 1989	V8	351M Cleveland	C & F	O.H.V.	C3AZ 6148 F	SWF80016
5752	5.8L	351	F250	1985 - 1994	V8	351M Cleveland	C & F	O.H.V.	C3AZ 6148 F	SWF80016
5752	5.8L	351	F350	1985 - 1994	V8	351M Cleveland	C & F	O.H.V.	C3AZ 6148 F	SWF80016
5752	5.8L	351	PICKUP	1982 - 1984	V8	351M Cleveland	CARB	O.H.V.	C3AZ 6148 F	SWF80016
5808	5.8L	354	SHELBY GT500	2013 - 2015	V8	TRITON 58	F.I.	D.O.H.C.	-	NA
5889	5.9L	359	F650	2004 - 2007	6	ISB 5.9	DIESEL	O.H.V.	4089258	SDC10022
5889	5.9L	359	F750	2004 - 2007	6	ISB 5.9	DIESEL	O.H.V.	4089258	SDC10022
5954	6.0L	363	ECONOLINE E350	2004 - 2010	V8	PowerStroke 6.0	DIESEL	O.H.V.	3C3Z 6148 AA	TBA
5954	6.0L	363	ECONOLINE E450	2003 - 2008	V8	PowerStroke 6.0	DIESEL	O.H.V.	3C3Z 6148 AA	TBA
5954	6.0L	363	ECONOLINE E550	2003 - 2008	V8	PowerStroke 6.0	DIESEL	O.H.V.	3C3Z 6148 AA	TBA
5954	6.0L	363	EXCURSION	2003 - 2008	V8	PowerStroke 6.0	DIESEL	O.H.V.	3C3Z 6148 AA	TBA
5954	6.0L	363	F250	2003 - 2008	V8	PowerStroke 6.0	DIESEL	O.H.V.	3C3Z 6148 AA	TBA
5954	6.0L	363	F350	2003 - 2008	V8	PowerStroke 6.0	DIESEL	O.H.V.	3C3Z 6148 AA	TBA
5954	6.0L	363	F450	2003 - 2008	V8	PowerStroke 6.0	DIESEL	O.H.V.	3C3Z 6148 AA	TBA
5954	6.0L	363	F550	2003 - 2008	V8	PowerStroke 6.0	DIESEL	O.H.V.	3C3Z 6148 AA	TBA
5981	6.0L	365	F650	2004 - 2007	6	VT365	DIESEL		-	NA
5981	6.0L	365	F750	2004 - 2007	6	VT365	DIESEL		-	NA
6211	6.2L	379	F150	2011 - 2014	V8	BOSS 62	F.I.	S.O.H.C	AU7Z 6148 D	NA
6211	6.2L	379	F250	2011 - 2015	V8	BOSS 62	F.I.	S.O.H.C	AU7Z 3148 D	NA
6211	6.2L	379	F350	2011 - 2015	V8	BOSS 62	F.I.	S.O.H.C	AU7Z 3148 D	NA
6400	6.4L	391	ECONOLINE E450	2008 - 2010	V8	PowerStroke 6.4	DIESEL	O.H.V.	4C3Z 6148 AA	SDF30022
6400	6.4L	391	ECONOLINE E550	2008 - 2010	V8	PowerStroke 6.4	DIESEL	O.H.V.	4C3Z 6148 AA	SDF30022
6400	6.4L	391	F250	2008 - 2010	V8	PowerStroke 6.4	DIESEL	O.H.V.	4C3Z 6148 AA	SDF30022
6400	6.4L	391	F350	2008 - 2010	V8	PowerStroke 6.4	DIESEL	O.H.V.	4C3Z 6148 AA	SDF30022
6400	6.4L	391	F450	2008 - 2010	V8	PowerStroke 6.4	DIESEL	O.H.V.	4C3Z 6148 AA	SDF30022
6400	6.4L	391	F550	2008 - 2010	V8	PowerStroke 6.4	DIESEL	O.H.V.	4C3Z 6148 AA	SDF30022
6555	6.6L	400	BRONCO	1978 - 1979	V8	Modified 400	CARB	O.H.V.	C3AZ 6148 F	SWF80016
6555	6.6L	400	CLUB WAGON	1980 - 1982	V8	Modified 400	CARB	O.H.V.	C3AZ 6148 F	SWF80016
6555	6.6L	400	ECONOLINE E350	1981 - 1982	V8	Modified 400	CARB	O.H.V.	C3AZ 6148 F	SWF80016
6555	6.6L	400	PICKUP	1977 - 1982	V8	Modified 400	CARB	O.H.V.	C3AZ 6148 F	SWF80016
6651	6.7L	406	ECONOLINE E450	2011 - 2015	V8	PowerStroke 6.7T	DIESEL	O.H.V.	BC3Z 6148 A	SDF30025
6651	6.7L	406	ECONOLINE E550	2011 - 2015	V8	PowerStroke 6.7T	DIESEL	O.H.V.	BC3Z 6148 A	SDF30025
6651	6.7L	406	F250	2011 - 2015	V8	PowerStroke 6.7T	DIESEL	O.H.V.	BC3Z 6148 A	SDF30025
6651	6.7L	406	F350	2011 - 2015	V8	PowerStroke 6.7T	DIESEL	O.H.V.	BC3Z 6148 A	SDF30025
6651	6.7L	406	F450	2011 - 2015	V8	PowerStroke 6.7T	DIESEL	O.H.V.	BC3Z 6148 A	SDF30025
6651	6.7L	406	F550	2011 - 2015	V8	PowerStroke 6.7T	DIESEL	O.H.V.	BC3Z 6148 A	SDF30025

FORD, LINCOLN, MERCURY, MERKER - CONTINUED

PISTONS

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PISTON REFERENCE NUMBER	NOA PISTON #	HEAD PAGE #	DIA. mm	1 S T	2 N D	3 R D	O 1	O 2	REMARK
FORD, LINCOLN, MERCURY, MERKER									
F5DZ 6108 A	X		101.60	1.98	1.98		4.76		
F5DZ 6108 A	X		4.000	0.078	0.078		0.188		
F5DZ 6108 A	X								
F5DZ 6108 A	X								
F5DZ 6108 A	X								
DR3Z 6108 A	X		93.50						MODULAR, 32 VALVE
			3.681	0.000	0.000		0.000		
3970192	11-856	339	102.00	3.0K	2.35		4.00		CUMMINS Engine, 24 VAVLE
3970192	11-856	339	4.016	0.118K	0.093		0.157		CUMMINS Engine, 24 VAVLE
3C3Z 6108 AA	11-857	339	95.00	2.25	2.00		3.50		32 VALVE
3C3Z 6108 AA	11-857	339	3.740	0.089	0.079		0.138		32 VALVE
3C3Z 6108 AA	11-857	339							32 VALVE
3C3Z 6108 AA	11-857	339							32 VALVE
3C3Z 6108 AA	11-857	339							32 VALVE
3C3Z 6108 AA	11-857	339							32 VALVE
3C3Z 6108 AA	11-857	339							32 VALVE
3C3Z 6108 AA	11-857	339							32 VALVE
-	X		95.00						INTERNATIONAL Engine, w/ TURBO
-	X		3.740	0.000	0.000		0.000		INTERNATIONAL Engine, w/ TURBO
AL3Z 6108 F	X		102.00						16 VALVE
AL3Z 6108 F	X		4.016	0.000	0.000		0.000		16 VALVE
AL3Z 6108 F	X								16 VALVE
8C3Z-6108-EB	11-886	346	98.20	2.5K	2.00		3.00		32 VALVE
8C3Z-6108-EB	11-886	346	3.866	0.098K	0.079		0.118		32 VALVE
8C3Z-6108-EB	11-886	346							32 VALVE
8C3Z-6108-EB	11-886	346							32 VALVE
8C3Z-6108-EB	11-886	346							32 VALVE
8C3Z-6108-EB	11-886	346							32 VALVE
D3AZ 6108 GB	X		101.60	1.98	1.98		4.76		
D3AZ 6108 GB	X		4.000	0.078	0.078		0.188		
D3AZ 6108 GB	X								
D3AZ 6108 GB	X								
BC3Z 6108 D	11-915	354	99.00	2.89	2.00		2.50		32 VALVE
BC3Z 6108 D	11-915	354	3.898	0.114	0.079		0.098		32 VALVE
BC3Z 6108 D	11-915	354							32 VALVE
BC3Z 6108 D	11-915	354							32 VALVE
BC3Z 6108 D	11-915	354							32 VALVE
BC3Z 6108 D	11-915	354							32 VALVE
FORD, LINCOLN, MERCURY, MERKER - CONTINUED									

U.S. APPLICATIONS

PISTON RINGS

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ENGINE SIZE			MODEL NAME	YEAR	CYL	ENGINE CODE NUMBER	F.I. CARB DIESEL	O.H.V. S.O.H.C. D.O.H.C.	RING REFERENCE NUMBER	NOA PISTON RING #
cc	L	ci								

FORD, LINCOLN, MERCURY, MERKER

6690	6.7L	408	F650	2008 - 2015	V8	ISB 6.7	DIESEL	O.H.V.	4955366	SDC10023
6690	6.7L	408	F750	2008 - 2015	V8	ISB 6.7	DIESEL	O.H.V.	4955366	SDC10023
6801	6.8L	415	CLUB WAGON	1997 - 1998	V10	TRITON 68	F.I.	S.O.H.C.	2L3Z 6148 AA	SWF30019
6801	6.8L	415	ECONOLINE E350	1997 - 1998	V10	TRITON 68	F.I.	S.O.H.C.	2L3Z 6148 AA	SWF30019
6801	6.8L	415	ECONOLINE E350	1999 - 2010	V10	TRITON 68	F.I.	S.O.H.C.	6L3Z 6148 A	SWF30019
6801	6.8L	415	ECONOLINE E450	1999 - 2010	V10	TRITON 68	F.I.	S.O.H.C.	6L3Z 6148 A	SWF30019
6801	6.8L	415	EXCURSION	2000 - 2006	V10	TRITON 68	F.I.	S.O.H.C.	2L3Z 6148 AA	SWF30019
6801	6.8L	415	F250	2000 - 2004	V10	TRITON 68	F.I.	S.O.H.C.	2L3Z 6148 AA	SWF30019
6801	6.8L	415	F350	2000 - 2004	V10	TRITON 68	F.I.	S.O.H.C.	2L3Z 6148 AA	SWF30019
6801	6.8L	415	F450	1999 - 2010	V10	TRITON 68	F.I.	S.O.H.C.	6L3Z 6148 A	SWF30019
6801	6.8L	415	F250	2005 - 2010	V10	TRITON 68V	F.I.	S.O.H.C.	2L3Z 6148 AA	SWF30019
6801	6.8L	415	F350	2005 - 2010	V10	TRITON 68V	F.I.	S.O.H.C.	2L3Z 6148 AA	SWF30019
6801	6.8L	415	ECONOLINE E350	2011 - 2015	V10	TRITON 68	F.I.	S.O.H.C.	6L3Z 6148 A	SWF30019
6801	6.8L	415	ECONOLINE E450	2011 - 2015	V10	TRITON 68	F.I.	S.O.H.C.	6L3Z 6148 A	SWF30019
6801	6.8L	415	F450	2011 - 2015	V10	TRITON 68	F.I.	S.O.H.C.	6L3Z 6148 A	SWF30019
6801	6.8L	415	F650	2015 - 2016	V10	TRITON 68	F.I.	S.O.H.C.	6L3Z 6148 A	SWF30019
6801	6.8L	415	F750	2015 - 2016	V10	TRITON 68	F.I.	S.O.H.C.	6L3Z 6148 A	SWF30019
6801	6.8L	415	ECONOLINE E550	2005 - 2015	V10	TRITON 68V	F.I.	S.O.H.C.	2L3Z 6148 AA	SWF30019
6801	6.8L	415	F550	2005 - 2015	V10	TRITON 68V	F.I.	S.O.H.C.	2L3Z 6148 AA	SWF30019
7200	7.2L	439	F650	2001 - 2007	6	C7	DIESEL		-	TBA
7200	7.2L	439	F750	2000 - 2007	6	C7	DIESEL		-	TBA
7276	7.3L	444	ECONOLINE E350	1999 - 2003	V8	PowerStroke 7.3T	DIESEL	O.H.V.	F81Z 6148 AA	SDF30020
7276	7.3L	444	ECONOLINE E450	1999 - 2002	V8	PowerStroke 7.3T	DIESEL	O.H.V.	F81Z 6148 AA	SDF30020
7276	7.3L	444	ECONOLINE E550	1999 - 2002	V8	PowerStroke 7.3T	DIESEL	O.H.V.	F81Z 6148 AA	SDF30020
7276	7.3L	444	EXCURSION	2000 - 2003	V8	PowerStroke 7.3T	DIESEL	O.H.V.	F81Z 6148 AA	SDF30020
7276	7.3L	444	F250	1999 - 2006	V8	PowerStroke 7.3T	DIESEL	O.H.V.	F81Z 6148 AA	SDF30020
7276	7.3L	444	F350	1999 - 2006	V8	PowerStroke 7.3T	DIESEL	O.H.V.	F81Z 6148 AA	SDF30020
7276	7.3L	444	F450	1999 - 2002	V8	PowerStroke 7.3T	DIESEL	O.H.V.	F81Z 6148 AA	SDF30020
7276	7.3L	444	F550	1999 - 2002	V8	PowerStroke 7.3T	DIESEL	O.H.V.	F81Z 6148 AA	SDF30020
7276	7.3L	444	F650	1999 - 2002	V8	PowerStroke 7.3T	DIESEL	O.H.V.	F81Z 6148 AA	SDF30020
7538	7.5L	460	CLUB WAGON	1975 - 1987	V8	FORD 385	C & F	O.H.V.	C8SZ 6148 A	SWF80032
7538	7.5L	460	ECONOLINE E250	1975 - 1979	V8	FORD 385	C & F	O.H.V.	C8SZ 6148 A	SWF80032
7538	7.5L	460	ECONOLINE E350	1975 - 1987	V8	FORD 385	C & F	O.H.V.	C8SZ 6148 A	SWF80032
7538	7.5L	460	PICKUP	1974 - 1987	V8	FORD 385	C & F	O.H.V.	C8SZ 6148 A	SWF80032
7538	7.5L	460	CLUB WAGON	1988 - 1992	V8	FORD 385	F.I.	O.H.V.	C8SZ 6148 A	SWF80032
7538	7.5L	460	ECONOLINE E350	1988 - 1994	V8	FORD 385	F.I.	O.H.V.	C8SZ 6148 A	SWF80032
7538	7.5L	460	F250	1988 - 1992	V8	FORD 385	F.I.	O.H.V.	C8SZ 6148 A	SWF80032
7538	7.5L	460	F350	1988 - 1992	V8	FORD 385	F.I.	O.H.V.	C8SZ 6148 A	SWF80032

FORD, LINCOLN, MERCURY, MERKER - CONTINUED

PISTONS

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PISTON REFERENCE NUMBER	NOA PISTON #	HEAD PAGE #	DIA. mm	1 S T	2 N D	3 R D	O 1	O 2	REMARK
FORD, LINCOLN, MERCURY, MERKER									
4955365	11-885	345	107.00	3.0K	2.50		3.50		CUMMINS Engine, 24 VAVLE
4955365	11-885	345	4.213	0.118K	0.098		0.138		CUMMINS Engine, 24 VAVLE
XC3Z 6108 CA	DISC. 11-812		90.20	1.50	1.50		3.00		MODULAR, 20 VALVE
XC3Z 6108 CA	DISC. 11-812		3.551	0.059	0.059		0.118		MODULAR, 20 VALVE
XL3Z 6148 KA	11-811	330	90.20	1.50	1.50		3.00		MODULAR, 20 VALVE
XL3Z 6148 KA	11-811	330	3.551	0.059	0.059		0.118		MODULAR, 20 VALVE
XL3Z 6148 KA	11-811	330							MODULAR, 20 VALVE
XL3Z 6148 KA	11-811	330							MODULAR, 20 VALVE
XL3Z 6148 KA	11-811	330							MODULAR, 20 VALVE
XL3Z 6148 KA	11-811	330							MODULAR, 20 VALVE
-	X		90.20	1.50	1.50		3.00		MODULAR VCT, 30 VALVE
-	X		3.551	0.059	0.059		0.118		MODULAR VCT, 30 VALVE
2L3Z 6108 AA	X		90.20	1.50	1.50		3.00		MODULAR, 20 VALVE
2L3Z 6108 AA	X		3.551	0.059	0.059		0.118		MODULAR, 20 VALVE
2L3Z 6108 AA	X								MODULAR, 20 VALVE
2L3Z 6108 AA	X								MODULAR, 20 VALVE
2L3Z 6108 AA	X								MODULAR, 20 VALVE
5C3Z 6108 A	X		90.20	1.50	1.50		3.00		MODULAR VCT, 30 VALVE
5C3Z 6108 A	X		3.551	0.059	0.059		0.118		MODULAR VCT, 30 VALVE
-	X		110.00						CATERPILLAR Engine
-	X		4.331	0.000	0.000		0.000		CATERPILLAR Engine
F81Z 6102 AA	DISC. 11-858		104.40	3.0K	2.00		3.50		w/ TURBO, 16 VALVE
F81Z 6102 AA	DISC. 11-858		4.110	0.118K	0.079		0.138		w/ TURBO, 16 VALVE
F81Z 6102 AA	DISC. 11-858								w/ TURBO, 16 VALVE
F81Z 6102 AA	DISC. 11-858								w/ TURBO, 16 VALVE
F81Z 6102 AA	DISC. 11-858								w/ TURBO, 16 VALVE
F81Z 6102 AA	DISC. 11-858								w/ TURBO, 16 VALVE
F81Z 6102 AA	DISC. 11-858								w/ TURBO, 16 VALVE
F81Z 6102 AA	DISC. 11-858								w/ TURBO, 16 VALVE
F81Z 6102 AA	DISC. 11-858								w/ TURBO, 16 VALVE
E7TZ 6108 BA	X		110.74	1.98	1.98		4.76		
E7TZ 6108 BA	X		4.360	0.078	0.078		0.188		
E7TZ 6108 BA	X								VIN-L
E7TZ 6108 BA	X								
F3TZ 6108 AB	X		110.74	1.98	1.98		4.76		E250, E350
F3TZ 6108 AB	X		4.360	0.078	0.078		0.188		
F3TZ 6108 AB	X								16 VALVE
F3TZ 6108 AB	X								16 VALVE

FORD, LINCOLN, MERCURY, MERKER - CONTINUED

U.S. APPLICATIONS

PISTON RINGS

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ENGINE SIZE			MODEL NAME	YEAR	C Y L	ENGINE CODE NUMBER	F.I. CARB DIESEL	O.H.V. S.O.H.C. D.O.H.C.	RING REFERENCE NUMBER	NOA PISTON RING #
cc	L	ci								

GMC, BUICK, CADILLAC, CHEVROLET, GEO

993	1.0L	61	SPRINT	1985 - 1988	3	G10	CARB	S.O.H.C.	96068389	SWS20144
993	1.0L	61	METRO	1987 - 1988	3	G10T	F.I.	S.O.H.C.	96055394	SWS20144
993	1.0L	61	SPRINT	1986 - 1988	3	G10T	F.I.	S.O.H.C.	96068389	SWS20144
993	1.0L	61	METRO	1989 - 1998	3	G10	F.I.	S.O.H.C.	96057087	SWS20144
993	1.0L	61	METRO	1989 - 1991	3	G10T	F.I.	S.O.H.C.	96057087	SWS20144
993	1.0L	61	METRO	1999 - 2000	3	G10	F.I.	S.O.H.C.	96068389	SWS20144
993	1.0L	61	SPRINT	1986 - 1987	3	G10	F.I.	S.O.H.C.	96061652	SWS20145
993	1.0L	61	METRO	1989 - 1994	3	G10	F.I.	S.O.H.C.	96061652	SWS20145
1249	1.2L	76	SPARK	2013 - 2015	4	ECOTEC LL0	F.I.	D.O.H.C.	-	NA
1298	1.3L	79	METRO	1995 - 1997	4	G13BA	F.I.	S.O.H.C.	96068389	SWS20143
1298	1.3L	79	METRO	1998 - 2001	4	G13BA	F.I.	S.O.H.C.	91173873	SWS20143
1364	1.4L	83	CRUZE	2011 - 2015	4	ECOTEC LUJ	F.I.	D.O.H.C.	55571045	NA
1364	1.4L	83	ENCORE	2013 - 2015	4	ECOTEC LUJ	F.I.	D.O.H.C.	55571045	NA
1364	1.4L	83	SONIC	2012 - 2015	4	ECOTEC LUJ	F.I.	D.O.H.C.	55571045	NA
1364	1.4L	83	TRAX	2015 - 2016	4	ECOTEC LUJ	F.I.	D.O.H.C.	55571045	NA
1398	1.4L	85	ELR	2014 - 2015	4	EcoFlex LUU	F.I.	D.O.H.C.	55571028	NA
1398	1.4L	85	VOLT HYBRID	2011 - 2015	4	EcoFlex LUU	F.I.	D.O.H.C.	55571028	NA
1471	1.5L	90	SPECTRUM	1985 - 1986	4	4XC1	CARB	S.O.H.C.	94141947	SWI10151
1471	1.5L	90	SPECTRUM	1987 - 1989	4	4XC1	CARB	S.O.H.C.	94141947	SWI10151
1471	1.5L	90	SPECTRUM	1987 - 1989	4	4XC1T	F.I.	S.O.H.C.	94109650	SWI10153
1559	1.6L	95	LeMans	1988 - 1993	4	NP960	F.I.	S.O.H.C.	90273451	SWD20003

GMC, BUICK, CADILLAC, CHEVROLET, GEO, HUMMER, OLDSMOBILE, PONTIAC, SATURN - CONTINUED

PISTONS

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PISTON REFERENCE NUMBER	NOA PISTON #	HEAD PAGE #	DIA. mm	1	2	3	O	O	REMARK
				S	N	R	1	2	
HUMMER, OLDSMOBILE, PONTIAC, SATURN									
96053321	DISC. 11-668		74.00	1.20	1.50		2.80		6 VALVE
			2.913	0.047	0.059		0.110		
96055390	DISC. 11-666		74.00	1.20	1.50		2.80		w/ TURBO, 6 VALVE
96067799	DISC. 11-666		2.913	0.047	0.059		0.110		w/ TURBO
96060039	11-665	305	74.00	1.20	1.50		2.80		BASE MODEL, 6 VALVE
			2.913	0.047	0.059		0.110		
96062030	X		74.00	1.20	1.50		2.80		w/ TURBO, 6 VALVE
			2.913	0.047	0.059		0.110		
91174382	X		74.00	1.20	1.50		2.80		6 VALVE
			2.913	0.047	0.059		0.110		
96056901	X		74.00	1.20	1.50		2.80		ER, 6 VALVE
			2.913	0.047	0.059		0.110		
96060043	X		74.00	1.20	-		2.80		XFI MODEL, 6 VALVE, (NO 2nd Ring)
			2.913	0.047	#####		0.110		
-	X		70.50						16 VALVE
			2.776	0.000	0.000		0.000		
96066387	11-625	298	74.00	1.20	1.50		2.80		BASE MODEL, 8 VALVE
			2.913	0.047	0.059		0.110		
91173869	X		74.00	1.20	1.50		2.80		16 VALVE
			2.913	0.047	0.059		0.110		
55580184	X		72.50						OPEL Engine, w/ TURBO, 16 VALVE
55580184	X		2.854	0.000	0.000		0.000		OPEL Engine, w/ TURBO, 16 VALVE
55580184	X								OPEL Engine, w/ TURBO, 16 VALVE
55580184	X								OPEL Engine, w/ TURBO, 16 VALVE
55571102	X		73.40						OPEL Engine, 16 VALVE
55571102	X		2.890	0.000	0.000		0.000		OPEL Engine, 16 VALVE
94251076	DISC. 11-565		77.00	1.50	-		2.80		8 VALVE
94460838	DISC. 11-565		3.031	0.059	#####		0.110		8 VALVE
94109616	X		77.00	1.20	1.20		2.80		w/ TURBO
			3.031	0.047	0.047		0.110		
-	X		76.50	1.50	1.50		3.00		DAEWOO Engine
			3.012	0.059	0.059		0.118		
GMC, BUICK, CADILLAC, CHEVROLET, GEO, HUMMER, OLDSMOBILE, PONTIAC, SATURN - CONTINUED									

U.S. APPLICATIONS

PISTON RINGS

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ENGINE SIZE			MODEL NAME	YEAR	C Y L	ENGINE CODE NUMBER	F.I. CARB DIESEL	O.H.V. S.O.H.C. D.O.H.C.	RING REFERENCE NUMBER	NOA PISTON RING #
cc	L	ci								
GMC, BUICK, CADILLAC, CHEVROLET, GEO										
1587	1.6L	97	NOVA	1985 - 1988	4	4A-LC	CARB	S.O.H.C.	94840036	SWT10108
1587	1.6L	97	TRACKER	1989 - 1995	4	G16K	F.I.	S.O.H.C.	96067669	SWS20142
1587	1.6L	97	TRACKER	1995 - 2000	4	G16KV	F.I.	S.O.H.C.	96067669	SWS20142
1587	1.6L	97	PRIZM	1989 - 1992	4	4A-FE	F.I.	D.O.H.C.	94847305	SWT10142
1587	1.6L	97	NOVA	1988 ONLY	4	4A-GE	F.I.	D.O.H.C.	94845462	SWT10108
1587	1.6L	97	PRIZM	1989 ONLY	4	4A-GE	F.I.	D.O.H.C.	94845462	SWT10108
1587	1.6L	97	PRIZM	1993 - 1997	4	4A-FE	F.I.	D.O.H.C.	94854159	SWT10156
1587	1.6L	97	TRACKER	1996 - 2000	4	G16KV	F.I.	S.O.H.C.	91173290	SWS20142
1587	1.6L	97	STORM	1990 - 1991	4	4XE1W	F.I.	D.O.H.C.	94370434	SWI10149
1587	1.6L	97	STORM	1990 - 1993	4	4XE1	F.I.	S.O.H.C.	94331660	SWI10149
1587	1.6L	97	PRIZM	1990 - 1992	4	4A-GE	F.I.	D.O.H.C.	94847635	SWT10150
1598	1.6L	98	AVEO	2004 - 2011	4	ECOTEC II 1.6L	F.I.	D.O.H.C.	93740225	SWD20004
1598	1.6L	98	AVEO5	2007 - 2011	4	ECOTEC II 1.6L	F.I.	D.O.H.C.	93740225	SWD20004
1598	1.6L	98	G3	2009 ONLY	4	ECOTEC II 1.6L	F.I.	D.O.H.C.	93740225	SWD20004
1762	1.8L	108	PRIZM	1992 - 1997	4	7A-FE	F.I.	D.O.H.C.	94855500	SWT10156
1794	1.8L	109	PRIZM	1998 - 2000	4	1ZZ-FE	F.I.	D.O.H.C.	94856686	SWT10183
1794	1.8L	109	VIBE	2003 - 2008	4	1ZZ-FE	F.I.	D.O.H.C.	88972331	SWT10183
1794	1.8L	109	VIBE	2003 - 2008	4	1ZZ-FE	F.I.	D.O.H.C.	94859421	SWT10183
1794	1.8L	109	PRIZM	2001 - 2002	4	1ZZ-FE	F.I.	D.O.H.C.	94859421	SWT10183
1796	1.8L	110	ASTRA	2008 - 2010	4	ECOTEC LUW	F.I.	D.O.H.C.	95507585	NA
1796	1.8L	110	CRUZE LS	2011 - 2015	4	ECOTEC LUW	F.I.	D.O.H.C.	95507585	NA
1796	1.8L	110	SONIC	2012 - 2015	4	ECOTEC LUW	F.I.	D.O.H.C.	95507585	NA

PISTONS

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PISTON REFERENCE NUMBER	NOA PISTON #	HEAD PAGE #	DIA. mm	1 S T	2 N D	3 R D	O 1	O 2	REMARK
HUMMER, OLDSMOBILE, PONTIAC, SATURN									
94850643	11-144	284	81.00	1.50	1.50		2.80		S MODEL V.I.N. 4
			3.189	0.059	0.059		0.110		
96067795	11-629	299	75.00	1.20	1.50		2.80		8 VALVE
			2.953	0.047	0.059		0.110		
96068583	11-630	299	75.00	1.20	1.50		2.80		16 VALVE
			2.953	0.047	0.059		0.110		
94847306	11-649	302	81.00	1.50	1.50		3.00		16 VALVE
			3.189	0.059	0.059		0.118		
94844692	11-660	304	81.00	1.50	1.50		2.80		S MODEL V.I.N. 5, 16 VALVE
94844692	11-660	304	3.189	0.059	0.059		0.110		Gsi, 16 VALVE
94853590	11-714	311	81.00	1.20	1.50		3.00		16 VALVE
			3.189	0.047	0.059		0.118		
91173286	X		75.00	1.20	1.50		2.80		16 VALVE
			2.953	0.047	0.059		0.110		
94361830	X		80.00	1.20	1.20		3.00		Gsi, 16 VALVE
			3.150	0.047	0.047		0.118		
94455400	X		80.00	1.20	1.20		3.00		12 VALVE
			3.150	0.047	0.047		0.118		
94847635	X		81.00	1.20	1.50		2.80		Gsi, 16 VALVE
			3.189	0.047	0.059		0.110		
96389106	X		79.00	1.20	1.50		3.00		16 VALVE
96389106	X		3.110	0.047	0.059		0.118		16 VALVE
96389106	X								16 VALVE
94853591	11-713	311	81.00	1.20	1.50		3.00		TOYOTA Engine, Gsi, 16 VALVE
			3.189	0.047	0.059		0.118		
94856684	11-756	320	79.00	1.20	1.20		3.00		TOYOTA Engine, 16 VALVE
			3.110	0.047	0.047		0.118		
88969051	11-777	324	79.00	1.20	1.20		3.00		TOYOTA Engine, AWD, 16 VALVE
88972330	11-777	324	3.110	0.047	0.047		0.118		TOYOTA Engine, FWD, 16 VALVE
94859420	11-777	324							TOYOTA Engine, 16 VALVE
55576441	X		80.50						16 VALVE
55576441	X		3.169	0.000	0.000		0.000		16 VALVE
55576441	X								16 VALVE

U.S. APPLICATIONS

PISTON RINGS

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ENGINE SIZE			MODEL NAME	YEAR	CYL	ENGINE CODE NUMBER	F.I. CARB DIESEL	O.H.V. S.O.H.C. D.O.H.C.	RING REFERENCE NUMBER	NOA PISTON RING #
cc	L	ci								
1796	1.8L	110	VIBE	2003 - 2006	4	2ZZ-FE	F.I.	D.O.H.C.	88969557	SWT10196
1798	1.8L	110	VIBE	2009 - 2010	4	2ZR-FE	F.I.	D.O.H.C.	19185554	SWT10232
1809	1.8L	110	STORM	1992 - 1993	4	4XF1	F.I.	D.O.H.C.	94342124	SWI10149
1817	1.8L	111	LUV	1972 - 1975	4	G180Z	CARB	S.O.H.C.	-	SWI10056
1817	1.8L	111	LUV	1976 - 1979	4	G180Z	CARB	S.O.H.C.	-	SWI10056
1817	1.8L	111	LUV	1980 ONLY	4	G180Z	CARB	S.O.H.C.	-	SWI10056
1817	1.8L	111	LUV	1981 - 1985	4	G180Z	CARB	S.O.H.C.	-	SWI10098
1817	1.8L	111	S-10 PICKUP	1982 ONLY	4	G180Z	CARB	S.O.H.C.	94216641	SWI10056
1817	1.8L	111	S-15 PICKUP	1982 ONLY	4	G200Z	CARB	S.O.H.C.	94216641	SWI10056
1817	1.8L	111	1000	1983 - 1984	4	4FB1	DIESEL		94224221	SDI10086
1817	1.8L	111	CHEVETTE	1981 - 1986	4	4FB1	DIESEL		94224221	SDI10086
1817	1.8L	111	EL CAMINO	1983 - 1984	4	4FB1	DIESEL		94224221	SDI10086
1901	1.9L	116	SC	1991 - 1992	4	SATURN I4 LL0	F.I.	D.O.H.C.	21006721	SWG10020
1901	1.9L	116	SC2	1993 - 1994	4	SATURN I4 LL0	F.I.	D.O.H.C.	21006721	SWG10020
1901	1.9L	116	SL2	1991 - 1994	4	SATURN I4 LL0	F.I.	D.O.H.C.	21006721	SWG10020
1901	1.9L	116	SW2	1993 - 1994	4	SATURN I4 LL0	F.I.	D.O.H.C.	21006721	SWG10020
1901	1.9L	116	SC1	1993 - 1994	4	SATURN I4 LK0	F.I.	S.O.H.C.	21006715	SWG10020
1901	1.9L	116	SL	1991 - 1994	4	SATURN I4 LK0	F.I.	S.O.H.C.	21006715	SWG10020
1901	1.9L	116	SL1	1991 - 1994	4	SATURN I4 LK0	F.I.	S.O.H.C.	21006715	SWG10020
1901	1.9L	116	SW1	1993 - 1994	4	SATURN I4 LK0	F.I.	S.O.H.C.	21006715	SWG10020
1901	1.9L	116	SC1	1995 - 1998	4	SATURN I4 L24	F.I.	S.O.H.C.	21007180	SWG10021
1901	1.9L	116	SL	1995 - 1998	4	SATURN I4 L24	F.I.	S.O.H.C.	21007180	SWG10021
1901	1.9L	116	SL1	1995 - 1998	4	SATURN I4 L24	F.I.	S.O.H.C.	21007180	SWG10021
1901	1.9L	116	SW1	1995 - 1998	4	SATURN I4 L24	F.I.	S.O.H.C.	21007180	SWG10021
1901	1.9L	116	SC2	1995 - 1998	4	SATURN I4 LL0	F.I.	D.O.H.C.	21007180	SWG10021
1901	1.9L	116	SL2	1995 - 1998	4	SATURN I4 LL0	F.I.	D.O.H.C.	21007180	SWG10021
1901	1.9L	116	SW2	1995 - 1998	4	SATURN I4 LL0	F.I.	D.O.H.C.	21007180	SWG10021

GMC, BUICK, CADILLAC, CHEVROLET, GEO, HUMMER, OLDSMOBILE, PONTIAC, SATURN - CONTINUED

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PISTON REFERENCE NUMBER	NOA PISTON #	HEAD PAGE #	DIA. mm	1 S T	2 N D	3 R D	O 1	O 2	REMARK
HUMMER, OLDSMOBILE, PONTIAC, SATURN									
88969556	X		82.00	1.20	1.20		3.00		TOYOTA Engine, GT, 16 VALVE
			3.228	0.047	0.047		0.118		
19185553	NA		80.50	1.00	1.00		1.50		TOYOTA Engine, 16 VALVE
			3.169	0.039	0.039		0.059		
97067000	X		80.00	1.20	1.20		3.00		Gsi, 16 VALVE
			3.150	0.047	0.047		0.118		
-	DISC. 11-010		84.00	2.00	2.00		4.00		ISUZU Engine, 8 VALVE
			3.307	0.079	0.079		0.157		
-	DISC. 11-011		84.00	2.00	2.00		4.00		ISUZU Engine, 8 VALVE
			3.307	0.079	0.079		0.157		
-	11-012	276	84.00	2.00	2.00		4.00		ISUZU Engine, 8 VALVE
			3.307	0.079	0.079		0.157		
-	DISC. 11-013		84.00	1.50	1.50		4.00		ISUZU Engine, 8 VALVE
			3.307	0.059	0.059		0.157		
94213831	X		84.00	2.00	2.00		4.00		ISUZU Engine, 8 VALVE
94213831	X		3.307	0.079	0.079		0.157		ISUZU Engine, 8 VALVE
94228886	X		84.00	2.50	2.00		4.00		ISUZU Engine
94228886	X		3.307	0.098	0.079		0.157		ISUZU Engine
94228886	X								ISUZU Engine
21006718	X		82.00	1.50	1.50		3.00		16 VALVE
21006718	X		3.228	0.059	0.059		0.118		16 VALVE
21006718	X								16 VALVE
21006718	X								16 VALVE
21007100	X		82.00	1.50	1.50		3.00		8 VALVE
21007100	X		3.228	0.059	0.059		0.118		8 VALVE
21007100	X								8 VALVE
21007100	X								8 VALVE
21007103	X		82.00	1.20	1.50		3.00		8 VALVE
21007103	X		3.228	0.047	0.059		0.118		8 VALVE
21007103	X								8 VALVE
21007103	X								8 VALVE
21008575*	X		82.00	1.20	1.50		3.00		16 VALVE
21008575*	X		3.228	0.047	0.059		0.118		16 VALVE
21008575*	X								16 VALVE
GMC, BUICK, CADILLAC, CHEVROLET, GEO, HUMMER, OLDSMOBILE, PONTIAC, SATURN - CONTINUED									

U.S. APPLICATIONS

PISTON RINGS

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ENGINE SIZE			MODEL NAME	YEAR	C Y L	ENGINE CODE NUMBER	F.I. CARB DIESEL	O.H.V. S.O.H.C. D.O.H.C.	RING REFERENCE NUMBER	NOA PISTON RING #
cc	L	ci								
GMC, BUICK, CADILLAC, CHEVROLET, GEO										
1949	1.9L	119	S-10 BLAZER	1982 - 1985	4	G200Z	C & F	S.O.H.C.	94438086	SWI10096
1949	1.9L	119	S-10 PICKUP	1983 - 1985	4	G200Z	C & F	S.O.H.C.	94438086	SWI10096
1949	1.9L	119	S-15 JIMMY	1983 - 1984	4	G200Z	C & F	S.O.H.C.	94438086	SWI10096
1949	1.9L	119	S-15 PICKUP	1983 - 1985	4	G200Z	C & F	S.O.H.C.	94438086	SWI10096
1956	2.0L	119	CRUZE LUZ	2011 - 2015	4	JTD LUZ	DIESEL	D.O.H.C.	-	NA
1983	2.0L	121	FIRENZA	1987 - 1988	4	CID 121	F.I.	S.O.H.C.	52273305	SWG10010
1983	2.0L	121	LeMans	1989 - 1990	4	CID 121	F.I.	S.O.H.C.	52273305	SWG10010
1983	2.0L	121	SKYHAWK	1987 - 1988	4	CID 121	F.I.	S.O.H.C.	52273305	SWG10010
1983	2.0L	121	SUNBIRD	1987 - 1991	4	CID 121	F.I.	S.O.H.C.	52273305	SWG10010
1983	2.0L	121	SUNBIRD	1992 - 1994	4	CID 121	F.I.	S.O.H.C.	52273305	SWG10010
1983	2.0L	121	TRACKER	1999 - 2002	4	G20K	F.I.	D.O.H.C.	91174392	SWS20178
1998	2.0L	122	COBALT	2005 - 2007	4	ECOTEC LSJ	F.I.	D.O.H.C.	96180138	SWG10019
1998	2.0L	122	ION	2005 - 2008	4	ECOTEC LSJ	F.I.	D.O.H.C.	96180138	SWG10019
1998	2.0L	122	COBALT	2008 - 2010	4	ECOTEC LNF	F.I.	D.O.H.C.	89018107	SWG10032
1998	2.0L	122	HHR	2008 - 2010	4	ECOTEC LNF	F.I.	D.O.H.C.	89018107	SWG10032
1998	2.0L	122	REGAL	2011 - 2013	4	ECOTEC LHU	F.I.	D.O.H.C.	89018107	SWG10032
1998	2.0L	122	SKY	2007 - 2010	4	ECOTEC LNF	F.I.	D.O.H.C.	89018107	SWG10032
1998	2.0L	122	SOLSTICE	2006 - 2010	4	ECOTEC LNF	F.I.	D.O.H.C.	89018107	SWG10032
1998	2.0L	122	VERANO	2012 - 2015	4	ECOTEC LHU	F.I.	D.O.H.C.	89018107	SWG10032
1998	2.0L	122	ATS	2013 - 2015	4	ECOTEC LTG	F.I.	D.O.H.C.	89018107	SWG10032
1998	2.0L	122	MALIBU	2013 - 2015	4	ECOTEC LTG	F.I.	D.O.H.C.	89018107	SWG10032
1998	2.0L	122	REGAL	2014 - 2015	4	ECOTEC LTG	F.I.	D.O.H.C.	89018107	SWG10032
1999	2.0L	122	CITY EXPRESS	2014 - 2015	4	MR20DE	F.I.	D.O.H.C.	-	NA
1999	2.0L	122	BERETTA	1987 - 1989	4	GM122 2.0L	CARB	S.O.H.C.	12363179	SWI10195
1999	2.0L	122	CAVALIER	1987 - 1989	4	GM122 2.0L	CARB	S.O.H.C.	12363179	SWI10195
1999	2.0L	122	CORSICA	1987 - 1989	4	GM122 2.0L	CARB	S.O.H.C.	12363179	SWI10195
1999	2.0L	122	FIRENZA	1987 - 1988	4	GM122 2.0L	CARB	S.O.H.C.	12363179	SWI10195
1999	2.0L	122	SKYHAWK	1987 ONLY	4	GM122 2.0L	CARB	S.O.H.C.	12363179	SWI10195
1999	2.0L	122	SKYHAWK	1988 - 1989	4	GM122 2.0L	CARB	S.O.H.C.	12363179	SWI10195
1999	2.0L	122	GRAND AM	1987 - 1989	4	GM122 2.0L	F.I.	S.O.H.C.	52273308	SWG10010
1999	2.0L	122	SKYHAWK	1987 ONLY	4	GM122 2.0L	F.I.	S.O.H.C.	52273308	SWG10010
1999	2.0L	122	SUNBIRD	1987 - 1990	4	GM122 2.0L	F.I.	S.O.H.C.	52273308	SWG10010
GMC, BUICK, CADILLAC, CHEVROLET, GEO, HUMMER, OLDSMOBILE, PONTIAC, SATURN - CONTINUED										

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PISTON REFERENCE NUMBER	NOA PISTON #	HEAD PAGE #	DIA. mm	1 S T	2 N D	3 R D	O 1	O 2	REMARK
HUMMER, OLDSMOBILE, PONTIAC, SATURN									
94237469	11-016	276	87.00	1.50	1.50		4.00		8 VALVE
94237469	11-016	276	3.425	0.059	0.059		0.157		8 VALVE
94237469	11-016	276							8 VALVE
94237469	11-016	276							8 VALVE
-	X		83.00						w/ TURBO, 16 VALVE
			3.268	0.000	0.000		0.000		
52250913	X		86.00	1.50	1.50		3.00		Normally Aspirated
52250913	X		3.386	0.059	0.059		0.118		Normally Aspirated
52250913	X								Normally Aspirated
52250913	X								Normally Aspirated
52269890	X		86.00	1.50	1.50		3.00		Normally Aspirated, 8 VALVE
			3.386	0.059	0.059		0.118		
91174386	X		84.00	1.20	1.50		2.80		16 VALVE
			3.307	0.047	0.059		0.110		
12791210	X		86.00	1.20	1.50		2.50		16 VALVE
12791210	X		3.386	0.047	0.059		0.098		16 VALVE
89018108	X		86.00	1.20	1.50		2.00		w/ TURBO, 16 VALVE
89018108	X		3.386	0.047	0.059		0.079		w/ TURBO, 16 VALVE
89018108	X								w/ TURBO, 16 VALVE
89018108	X								w/ TURBO, 16 VALVE
89018108	X								w/ TURBO, 16 VALVE
89018108	X								w/ TURBO, 16 VALVE
12652809	X		86.00	1.20	1.50		2.00		w/ TURBO, 16 VALVE
12652809	X		3.386	0.047	0.059		0.079		w/ TURBO, 16 VALVE
12652809	X								w/ TURBO, 16 VALVE
-	NA		84.00						NISSAN Engine, 16 VALVE
			3.307	0.000	0.000		0.000		
10112366	X		89.00	1.50	1.50		3.00		
10112366	X		3.504	0.059	0.059		0.118		
10112366	X								
10112366	X								
10112366	X								
10112366	X								
52273302	X		86.00	1.50	1.50		3.00		w/ TURBO
52273302	X		3.386	0.059	0.059		0.118		w/ TURBO
52273302	X								w/ TURBO
GMC, BUICK, CADILLAC, CHEVROLET, GEO, HUMMER, OLDSMOBILE, PONTIAC, SATURN - CONTINUED									

U.S. APPLICATIONS

PISTON RINGS

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ENGINE SIZE			MODEL NAME	YEAR	C Y L	ENGINE CODE NUMBER	F.I. CARB DIESEL	O.H.V. S.O.H.C. D.O.H.C.	RING REFERENCE NUMBER	NOA PISTON RING #
cc	L	ci								
GMC, BUICK, CADILLAC, CHEVROLET, GEO										
2196	2.2L	134	L100	2000 - 2002	4	ECOTEC 2.2 L61	F.I.	D.O.H.C.	21018813	SWG10019
2196	2.2L	134	L200	2000 - 2002	4	ECOTEC 2.2 L61	F.I.	D.O.H.C.	21018813	SWG10019
2196	2.2L	134	L300	2000 - 2004	4	ECOTEC 2.2 L61	F.I.	D.O.H.C.	21018813	SWG10019
2196	2.2L	134	LS	2000 - 2002	4	ECOTEC 2.2 L61	F.I.	D.O.H.C.	21018813	SWG10019
2196	2.2L	134	LS1	2000 - 2002	4	ECOTEC 2.2 L61	F.I.	D.O.H.C.	21018813	SWG10019
2196	2.2L	134	LW1	2000 - 2002	4	ECOTEC 2.2 L61	F.I.	D.O.H.C.	21018813	SWG10019
2196	2.2L	134	LW200	2000 - 2002	4	ECOTEC 2.2 L61	F.I.	D.O.H.C.	21018813	SWG10019
2196	2.2L	134	ALERO	2000 - 2004	4	ECOTEC 2.2 L61	F.I.	D.O.H.C.	21018813	SWG10019
2196	2.2L	134	CAVALIER	2002 - 2006	4	ECOTEC 2.2 L61	F.I.	D.O.H.C.	21018813	SWG10019
2196	2.2L	134	COBALT	2005 - 2008	4	ECOTEC 2.2 L61	F.I.	D.O.H.C.	21018813	SWG10019
2196	2.2L	134	G5	2005 - 2008	4	ECOTEC 2.2 L61	F.I.	D.O.H.C.	21018813	SWG10019
2196	2.2L	134	GRAND AM	2002 - 2004	4	ECOTEC 2.2 L61	F.I.	D.O.H.C.	21018813	SWG10019
2196	2.2L	134	HHR	2006 - 2011	4	ECOTEC 2.2 L61	F.I.	D.O.H.C.	21018813	SWG10019
2196	2.2L	134	ION	2003 - 2008	4	ECOTEC 2.2 L61	F.I.	D.O.H.C.	21018813	SWG10019
2196	2.2L	134	MALIBU	2004 - 2008	4	ECOTEC 2.2 L61	F.I.	D.O.H.C.	21018813	SWG10019
2196	2.2L	134	SUNFIRE	2002 - 2006	4	ECOTEC 2.2 L61	F.I.	D.O.H.C.	21018813	SWG10019
2196	2.2L	134	VUE	2002 - 2007	4	ECOTEC 2.2 L61	F.I.	D.O.H.C.	9118853	SWG10016 4CYL
2197	2.2L	134	BERETTA	1990 - 1991	4	GM122 2.2L	F.I.	S.O.H.C.	12363179	SWI10195
2197	2.2L	134	CAVALIER	1990 - 1991	4	GM122 2.2L	F.I.	S.O.H.C.	12363179	SWI10195
2197	2.2L	134	CORSICA	1990 - 1991	4	GM122 2.2L	F.I.	S.O.H.C.	12363179	SWI10195
2197	2.2L	134	BERETTA	1992 - 1993	4	GM122 2.2L	F.I.	O.H.V.	12363179	SWI10195
2197	2.2L	134	CAVALIER	1992 - 1993	4	GM122 2.2L	F.I.	O.H.V.	12363179	SWI10195
2197	2.2L	134	CENTURY	1993 ONLY	4	GM122 2.2L	F.I.	O.H.V.	12363179	SWI10195
2197	2.2L	134	CORSICA	1992 - 1993	4	GM122 2.2L	F.I.	O.H.V.	12363179	SWI10195
2197	2.2L	134	Cutlass CIERA	1993 ONLY	4	GM122 2.2L	F.I.	O.H.V.	12363179	SWI10195
2197	2.2L	134	Cutlass CRUISER	1993 ONLY	4	GM122 2.2L	F.I.	O.H.V.	12363179	SWI10195
2197	2.2L	134	BERETTA	1994 - 1996	4	GM122 2.2L	F.I.	O.H.V.	12363179	SWI10195
2197	2.2L	134	CAVALIER	1994 - 2002	4	GM122 2.2L	F.I.	O.H.V.	12363179	SWI10195
2197	2.2L	134	CENTURY	1994 - 1996	4	GM122 2.2L	F.I.	O.H.V.	12363179	SWI10195
2197	2.2L	134	CIERA	1996 ONLY	4	GM122 2.2L	F.I.	O.H.V.	12363179	SWI10195
2197	2.2L	134	CORSICA	1994 - 1996	4	GM122 2.2L	F.I.	O.H.V.	12363179	SWI10195
2197	2.2L	134	Cutlass CIERA	1994 - 1995	4	GM122 2.2L	F.I.	O.H.V.	12363179	SWI10195
2197	2.2L	134	Cutlass CRUISER	1994 ONLY	4	GM122 2.2L	F.I.	O.H.V.	12363179	SWI10195
2197	2.2L	134	S-10 PICKUP	1994 - 1997	4	GM122 2.2L	F.I.	O.H.V.	12363179	SWI10195
2197	2.2L	134	S-10 PICKUP	1999 - 2003	4	GM122 2.2L	F.I.	O.H.V.	12363179	SWI10195
2197	2.2L	134	SONOMA	1994 - 1997	4	GM122 2.2L	F.I.	O.H.V.	12363179	SWI10195
2197	2.2L	134	SUNFIRE	1995 - 2002	4	GM122 2.2L	F.I.	O.H.V.	12363179	SWI10195
2197	2.2L	134	S-10 PICKUP	1998 ONLY	4	GM122 2.2L	F.I.	O.H.V.	12363179	SWI10195
2197	2.2L	134	SONOMA	1998 - 2002	4	GM122 2.2L	F.I.	O.H.V.	12363179	SWI10195

PISTONS

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PISTON REFERENCE NUMBER	NOA PISTON #	HEAD PAGE #	DIA. mm	1 S T	2 N D	3 R D	O 1	O 2	REMARK
HUMMER, OLDSMOBILE, PONTIAC, SATURN									
21018815	X		86.00	1.20	1.50		2.50		16 VALVE
21018815	X		3.386	0.047	0.059		0.098		16 VALVE
21018815	X								16 VALVE
21018815	X								16 VALVE
21018815	X								16 VALVE
21018815	X								16 VALVE
21018815	X								16 VALVE
24577471	X		86.00	1.20	1.50		2.50		16 VALVE
			3.386	0.047	0.059		0.098		
12572796	X		86.00	1.20	1.50		2.50		16 VALVE
12572796	X		3.386	0.047	0.059		0.098		16 VALVE
12572796	X								16 VALVE
12572796	X								16 VALVE
12572796	X								16 VALVE
12572796	X								16 VALVE
12572796	X								16 VALVE
12572796	X								16 VALVE
90571284	X		86.00	1.20	1.50		3.00		16 VALVE
			3.386	0.047	0.059		0.118		
10184907	X		89.00	1.50	1.50		3.00		VIN-4, 8 VALVE
10184907	X		3.504	0.059	0.059		0.118		VIN-4, 8 VALVE
10184907	X								VIN-4, 8 VALVE
10103688	X		89.00	1.50	1.50		3.00		VIN-4, 8 VALVE
10103688	X		3.504	0.059	0.059		0.118		VIN-4, 8 VALVE
10103688	X								VIN-4, 8 VALVE
10103688	X								VIN-4, 8 VALVE
10103688	X								VIN-4, 8 VALVE
10103688	X								VIN-4, 8 VALVE
24576691	X		89.00	1.50	1.50		3.00		VIN-4, 8 VALVE
24576691	X		3.504	0.059	0.059		0.118		VIN-4, 8 VALVE
24576691	X								VIN-4, 8 VALVE
24576691	X								VIN-4, 8 VALVE
24576691	X								VIN-4, 8 VALVE
24576691	X								VIN-4, 8 VALVE
24576691	X								VIN-4, 8 VALVE
24576691	X								VIN-4, 8 VALVE
24576691	X								VIN-4, 8 VALVE
24576691	X								VIN-4, 8 VALVE
24576691	X								VIN-4, 8 VALVE
24576691	X								VIN-4, 8 VALVE
24577467	X								VIN-4, 8 VALVE
24577467	X								VIN-4, 8 VALVE

U.S. APPLICATIONS

PISTON RINGS

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ENGINE SIZE			MODEL NAME	YEAR	CYL	ENGINE CODE NUMBER	F.I. CARB DIESEL	O.H.V. S.O.H.C. D.O.H.C.	RING REFERENCE NUMBER	NOA PISTON RING #
cc	L	ci								
2201	2.2L	134	COBALT	2009 - 2010	4	ECOTEC 2.2 LAP	F.I.	D.O.H.C.	19180831	SWG10032
2201	2.2L	134	G5	2009 ONLY	4	ECOTEC 2.2 LAP	F.I.	D.O.H.C.	19180831	SWG10032
2238	2.2L	137	S-10 BLAZER	1984 - 1985	4	C223	DIESEL		94250730	SJ110089
2238	2.2L	137	S-10 PICKUP	1984 - 1985	4	C223	DIESEL		94250730	SJ110089
2238	2.2L	137	S-15 PICKUP	1984 - 1985	4	C223	DIESEL		94250730	SJ110089
2254	2.3L	138	ACHIEVA	1992 - 1994	4	QUAD-4 LG0	F.I.	S.O.H.C.	22548439	SWG10014
2254	2.3L	138	Cutlass Calais	1988 - 1989	4	QUAD-4 LG0	F.I.	S.O.H.C.	22548439	SWG10014
2254	2.3L	138	GRAND AM	1988 ONLY	4	QUAD-4 LG0	F.I.	S.O.H.C.	22548439	SWG10014
2254	2.3L	138	SKYLARK	1988 - 1989	4	QUAD-4 LG0	F.I.	S.O.H.C.	22548439	SWG10014
2254	2.3L	138	ACHIEVA	1992 - 1995	4	QUAD-4 LG0	F.I.	D.O.H.C.	22548439	SWG10014
2254	2.3L	138	CAVALIER	1995 ONLY	4	QUAD-4 LG0	F.I.	D.O.H.C.	22548439	SWG10014
2254	2.3L	138	Cutlass Calais	1990 ONLY	4	QUAD-4 LG0	F.I.	D.O.H.C.	22548439	SWG10014
2254	2.3L	138	Cutlass Supreme	1990 - 1991	4	QUAD-4 LG0	F.I.	D.O.H.C.	22548439	SWG10014
2254	2.3L	138	GRAND AM	1989 - 1995	4	QUAD-4 LG0	F.I.	D.O.H.C.	22548439	SWG10014
2254	2.3L	138	GRAND PRIX	1990 - 1991	4	QUAD-4 LG0	F.I.	D.O.H.C.	22548439	SWG10014
2254	2.3L	138	SKYLARK	1990 - 1995	4	QUAD-4 LG0	F.I.	D.O.H.C.	22548439	SWG10014
2254	2.3L	138	SUNFIRE	1995 ONLY	4	QUAD-4 LG0	F.I.	D.O.H.C.	22548439	SWG10014
2254	2.3L	138	ACHIEVA	1992 - 1994	4	QUAD-4 LG0	F.I.	D.O.H.C.	22548439	SWG10014
2254	2.3L	138	BERETTA	1990 - 1994	4	QUAD-4 LG0	F.I.	D.O.H.C.	22548439	SWG10014
2254	2.3L	138	Cutlass Calais	1989 - 1990	4	QUAD-4 LG0	F.I.	D.O.H.C.	22548439	SWG10014
2254	2.3L	138	Cutlass Supreme	1990 ONLY	4	QUAD-4 LG0	F.I.	D.O.H.C.	22548439	SWG10014
2254	2.3L	138	GRAND AM	1989 - 1994	4	QUAD-4 LG0	F.I.	D.O.H.C.	22548439	SWG10014
2254	2.3L	138	ACHIEVA	1992 - 1994	4	QUAD-4 LG0	F.I.	D.O.H.C.	22548439	SWG10014
2376	2.4L	145	AURA HYBRID	2007 - 2009	4	BAS-H 2.4 LAT	F.I.	D.O.H.C.	19180836	NA
2376	2.4L	145	MALIBU HYBRID	2008 - 2009	4	ECOTEC 2.4 LAT	F.I.	D.O.H.C.	19180836	NA
2376	2.4L	145	VUE HYBRID	2007 - 2009	4	ECOTEC 2.4 LAT	F.I.	D.O.H.C.	19180836	NA
2384	2.4L	145	AURA	2007 - 2009	4	ECOTEC 2.4 LE5	F.I.	D.O.H.C.	19180836	NA
2384	2.4L	145	COBALT	2006 - 2008	4	ECOTEC 2.4 LE5	F.I.	D.O.H.C.	19180836	NA
2384	2.4L	145	G5	2006 - 2008	4	ECOTEC 2.4 LE5	F.I.	D.O.H.C.	19180836	NA
2384	2.4L	145	G6	2006 - 2009	4	ECOTEC 2.4 LE5	F.I.	D.O.H.C.	19180836	NA
2384	2.4L	145	HHR	2006 - 2009	4	ECOTEC 2.4 LE5	F.I.	D.O.H.C.	19180836	NA
2384	2.4L	145	ION	2006 - 2008	4	ECOTEC 2.4 LE5	F.I.	D.O.H.C.	19180836	NA
2384	2.4L	145	MALIBU	2009 ONLY	4	ECOTEC 2.4 LE5	F.I.	D.O.H.C.	19180836	NA
2384	2.4L	145	SKY	2007 - 2009	4	ECOTEC 2.4 LE5	F.I.	D.O.H.C.	19180836	NA
2384	2.4L	145	SOLSTICE	2006 - 2009	4	ECOTEC 2.4 LE5	F.I.	D.O.H.C.	19180836	NA
2384	2.4L	145	EQUINOX	2010 - 2011	4	ECOTEC 2.4 LAF	F.I.	D.O.H.C.	12659419	SWG10048
2384	2.4L	145	LaCrosse	2010 - 2011	4	ECOTEC 2.4 LAF	F.I.	D.O.H.C.	12659419	SWG10048
2384	2.4L	145	REGAL	2011 ONLY	4	ECOTEC 2.4 LAF	F.I.	D.O.H.C.	12659419	SWG10048
2384	2.4L	145	TERRAIN	2010 - 2011	4	ECOTEC 2.4 LAF	F.I.	D.O.H.C.	12659419	SWG10048

PISTONS

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PISTON REFERENCE NUMBER	NOA PISTON #	HEAD PAGE #	DIA. mm	1 S T	2 N D	3 R D	O 1	O 2	REMARK
HUMMER, OLDSMOBILE, PONTIAC, SATURN									
19180242	X		86.00	1.20	1.50		2.00		16 VALVE
19180242	X		3.386	0.047	0.059		0.079		16 VALVE
94250729	DISC. 11-014		88.00	2.50	2.00		4.50		
94250729	DISC. 11-014		3.465	0.098	0.079		0.177		
94250729	DISC. 11-014								
22539861	X		92.00	1.50	1.50		3.00		VIN-D
22539861	X		3.622	0.059	0.059		0.118		VIN-D
22539861	X								VIN-D
22539861	X								VIN-D
22548435	X		92.00	1.50	1.50		3.00		VIN-D, 16 VALVE
22548435	X		3.622	0.059	0.059		0.118		VIN-D, 16 VALVE
22548435	X								VIN-D, 16 VALVE
22548435	X								VIN-D, 16 VALVE
22548435	X								VIN-D, 16 VALVE
22548435	X								VIN-D, 16 VALVE
22548435	X								VIN-D, 16 VALVE
22548435	X								VIN-D, 16 VALVE
22548437	X		92.00	1.50	1.50		3.00		VIN-A
22548437	X		3.622	0.059	0.059		0.118		VIN-A
22548437	X								VIN-A
22548437	X								VIN-A
22548437	X								VIN-A
24573576	X		92.00	1.50	1.50		3.00		VIN-A, w/ H.O.
			3.622	0.059	0.059		0.118		
-	X		88.00	1.20	1.50		2.50		16 VALVE
-	X		3.465	0.047	0.059		0.098		16 VALVE
-	X								16 VALVE
19180835	X		88.00	1.20	1.50		2.50		16 VALVE
19180835	X		3.465	0.047	0.059		0.098		16 VALVE
19180835	X								16 VALVE
19180835	X								16 VALVE
19180835	X								16 VALVE
19180835	X								16 VALVE
19180835	X								16 VALVE
19180835	X								16 VALVE
12646457	X		88.00	1.20	1.50		2.00		16 VALVE
12646457	X		3.465	0.047	0.059		0.079		16 VALVE
12646457	X								16 VALVE
12646457	X								16 VALVE

U.S. APPLICATIONS

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ENGINE SIZE			MODEL NAME	YEAR	CYL	ENGINE CODE NUMBER	F.I. CARB DIESEL	O.H.V. S.O.H.C. D.O.H.C.	RING REFERENCE NUMBER	NOA PISTON RING #
cc	L	ci								
GMC, BUICK, CADILLAC, CHEVROLET, GEO										
2384	2.4L	145	HHR	2010 - 2011	4	ECOTEC 2.4 LE9	F.I.	D.O.H.C.	12659419	SWG10048
2384	2.4L	145	MALIBU	2010 - 2012	4	ECOTEC 2.4 LE9	F.I.	D.O.H.C.	12659419	SWG10048
2384	2.4L	145	EQUINOX	2012 - 2015	4	ECOTEC 2.4 LEA	F.I.	D.O.H.C.	12659419	SWG10048
2384	2.4L	145	LaCrosse	2012 - 2015	4	ECOTEC 2.4 LEA	F.I.	D.O.H.C.	12659419	SWG10048
2384	2.4L	145	REGAL	2012 - 2015	4	ECOTEC 2.4 LEA	F.I.	D.O.H.C.	12659419	SWG10048
2384	2.4L	145	TERRAIN	2012 - 2015	4	ECOTEC 2.4 LEA	F.I.	D.O.H.C.	12659419	SWG10048
2384	2.4L	145	TERRAIN DENALI	2013 - 2015	4	ECOTEC 2.4 LEA	F.I.	D.O.H.C.	12659419	SWG10048
2384	2.4L	145	VERANO	2012 - 2015	4	ECOTEC 2.4 LEA	F.I.	D.O.H.C.	12659419	SWG10048
2384	2.4L	145	IMPALA HYBRID	2013 - 2015	4	ECOTEC 2.4 LUK	F.I.	D.O.H.C.	12659419	SWG10048
2384	2.4L	145	MALIBU HYBRID	2013 - 2015	4	ECOTEC 2.4 LUK	F.I.	D.O.H.C.	12659419	SWG10048
2384	2.4L	145	REGAL HYBRID	2012 - 2015	4	ECOTEC 2.4 LUK	F.I.	D.O.H.C.	12659419	SWG10048
2392	2.4L	146	ACHIEVA	1997 - 1998	4	QUAD-4 LD9	F.I.	D.O.H.C.	24575965	SWG10022
2392	2.4L	146	CAVALIER	1996 - 1998	4	QUAD-4 LD9	F.I.	D.O.H.C.	24575965	SWG10022
2392	2.4L	146	GRAND AM	1996 - 1999	4	QUAD-4 LD9	F.I.	D.O.H.C.	24575965	SWG10022
2392	2.4L	146	MALIBU	1997 - 1998	4	QUAD-4 LD9	F.I.	D.O.H.C.	24575965	SWG10022
2392	2.4L	146	SKYLARK	1996 - 1997	4	QUAD-4 LD9	F.I.	D.O.H.C.	24575965	SWG10022
2392	2.4L	146	SUNFIRE	1996 - 1998	4	QUAD-4 LD9	F.I.	D.O.H.C.	24575965	SWG10022
2392	2.4L	146	ALERO	1999 - 2001	4	QUAD-4 LD9	F.I.	D.O.H.C.	24575965	SWG10022
2392	2.4L	146	CAVALIER	1999 - 2002	4	QUAD-4 LD9	F.I.	D.O.H.C.	24575965	SWG10022
2392	2.4L	146	GRAND AM	2000 - 2001	4	QUAD-4 LD9	F.I.	D.O.H.C.	24575965	SWG10022
2392	2.4L	146	MALIBU	1999 ONLY	4	QUAD-4 LD9	F.I.	D.O.H.C.	24575965	SWG10022
2392	2.4L	146	SUNFIRE	1999 - 2002	4	QUAD-4 LD9	F.I.	D.O.H.C.	24575965	SWG10022
2401	2.4L	147	VIBE	2009 - 2010	4	2AZ-FE	F.I.	D.O.H.C.	13011-28102	SWT10182
2457	2.5L	150	ATS	2013 - 2015	4	ECOTEC 2.5 LCV	F.I.	D.O.H.C.	12659419*	SWG10048
2457	2.5L	150	CANYON	2015 - 2016	4	ECOTEC 2.5 LKW	F.I.	D.O.H.C.	12659419	SWG10048
2457	2.5L	150	IMPALA	2013 - 2015	4	ECOTEC 2.5 LKW	F.I.	D.O.H.C.	12659419	SWG10048
2457	2.5L	150	MALIBU LS	2013 - 2015	4	ECOTEC 2.5 LKW	F.I.	D.O.H.C.	12659419	SWG10048
2494	2.5L	152	TRACKER	2001 ONLY	6	H25A	F.I.	D.O.H.C.	12140-86FA0	SWS20207
2736	2.7L	167	VUE	2008 - 2010	4	ECOTEC 2.8 LE5	F.I.	D.O.H.C.	12593744	NA
2766	2.8L	169	COLORADO	2015 - 2016	4	Duramax A428	DIESEL	D.O.H.C.	-	NA
2770	2.8L	169	CANYON	2004 - 2006	4	Vortec 2800 LK5	F.I.	D.O.H.C.	89060378	NA
2770	2.8L	169	COLORADO	2004 - 2006	4	ATLAS LK5	F.I.	D.O.H.C.	89060378	NA
GMC, BUICK, CADILLAC, CHEVROLET, GEO, HUMMER, OLDSMOBILE, PONTIAC, SATURN - CONTINUED										

PISTONS

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PISTON REFERENCE NUMBER	NOA PISTON #	HEAD PAGE #	DIA. mm	1 S T	2 N D	3 R D	O 1	O 2	REMARK
HUMMER, OLDSMOBILE, PONTIAC, SATURN									
12646457	X		88.00	1.20	1.50		2.00		16 VALVE
12646457	X		3.465	0.047	0.059		0.079		16 VALVE
12646457	X		88.00	1.20	1.50		2.00		16 VALVE
12646457	X		3.465	0.047	0.059		0.079		16 VALVE
12646457	X								16 VALVE
12646457	X								16 VALVE
12646457	X								16 VALVE
12646457	X		88.00	1.20	1.50		2.00		eAssist System, 16 VALVE
12646457	X		3.465	0.047	0.059		0.079		eAssist System, 16 VALVE
12646457	X								eAssist System, 16 VALVE
24575963	X		90.00	1.20	1.50		3.00		VIN-T, 16 VALVE
24575963	X		3.543	0.047	0.059		0.118		VIN-T, 16 VALVE
24575963	X								VIN-T, 16 VALVE
24575963	X								VIN-T, 16 VALVE
24575963	X								VIN-T, 16 VALVE
24577471	X		90.00	1.20	1.50		3.00		VIN-T, 16 VALVE
24577471	X		3.543	0.047	0.059		0.118		VIN-T, 16 VALVE
24577471	X								VIN-T, 16 VALVE
24577471	X								VIN-T, 16 VALVE
24577471	X								VIN-T, 16 VALVE
13211-28030-A0	11-792	326	88.50	1.20	1.20		2.00		16 VALVE
			3.484	0.047	0.047		0.079		
12652807*	X		88.00	1.20	1.50		2.00		16 VALVE
12652807	X		3.465	0.047	0.059		0.079		16 VALVE
12652807	X								16 VALVE
12652807	X								16 VALVE
91176085	X		84.00	1.20	1.50		2.50		SUZUKI Engine, 24 VALVE
			3.307	0.047	0.059		0.098		
19180835	X		88.00						16 VALVE
			3.465	0.000	0.000		0.000		
-	X		94.00						w/ TURBO, 16 VALVE
			3.701	0.000	0.000		0.000		
12585784	X		93.00						16 VALVE
12585784	X		3.661	0.000	0.000		0.000		16 VALVE
GMC, BUICK, CADILLAC, CHEVROLET, GEO, HUMMER, OLDSMOBILE, PONTIAC, SATURN - CONTINUED									

U.S. APPLICATIONS

PISTON RINGS

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ENGINE SIZE			MODEL NAME	YEAR	C Y L	ENGINE CODE NUMBER	F.I. CARB DIESEL	O.H.V. S.O.H.C. D.O.H.C.	RING REFERENCE NUMBER	NOA PISTON RING #
cc	L	ci								

GMC, BUICK, CADILLAC, CHEVROLET, GEO

2792	2.8L	170	CTS	2005 - 2008	V6	Alloytec LP1	F.I.	D.O.H.C.	12596025	NA
2792	2.8L	170	SRX	2010 - 2012	V6	Alloytec LAU	F.I.	D.O.H.C.	-	NA
2827	2.8L	173	S-10 BLAZER	1986 ONLY	V6	GM 60° L44	F.I.	O.H.V.	14089059	SWI10154
2827	2.8L	173	S-10 PICKUP	1986 ONLY	V6	GM 60° L44	F.I.	O.H.V.	14089059	SWI10154
2827	2.8L	173	CAMARO	1985 - 1989	V6	GM 60° L44	F.I.	O.H.V.	14089059	SWI10154
2827	2.8L	173	CAVALIER	1985 - 1986	V6	GM 60° L44	F.I.	O.H.V.	14089059	SWI10154
2827	2.8L	173	CELEBRITY	1985 - 1986	V6	GM 60° L44	F.I.	O.H.V.	14089059	SWI10154
2827	2.8L	173	CIMARRON	1985 ONLY	V6	GM 60° L44	F.I.	O.H.V.	14089059	SWI10154
2827	2.8L	173	CITATION II	1985 ONLY	V6	GM 60° L44	F.I.	O.H.V.	14089059	SWI10154
2827	2.8L	173	FIERO	1985 - 1988	V6	GM 60° L44	F.I.	O.H.V.	14089059	SWI10154
2827	2.8L	173	FIREBIRD	1987 - 1989	V6	GM 60° L44	F.I.	O.H.V.	14089059	SWI10154
2827	2.8L	173	FIRENZA	1985 ONLY	V6	GM 60° L44	F.I.	O.H.V.	14089059	SWI10154
2827	2.8L	173	S-10 BLAZER	1987 - 1989	V6	GM 60° L44	F.I.	O.H.V.	14089059	SWI10154
2827	2.8L	173	S-10 PICKUP	1987 - 1993	V6	GM 60° L44	F.I.	O.H.V.	14089059	SWI10154
2827	2.8L	173	S-15 JIMMY	1986 - 1989	V6	GM 60° L44	F.I.	O.H.V.	14089059	SWI10154
2827	2.8L	173	S-15 PICKUP	1986 - 1990	V6	GM 60° L44	F.I.	O.H.V.	14089059	SWI10154
2827	2.8L	173	SKYLARK	1985 ONLY	V6	GM 60° L44	F.I.	O.H.V.	14089059	SWI10154
2827	2.8L	173	6000	1984 - 1986	V6	GM 60° L44	F.I.	O.H.V.	14089059	SWI10154
2827	2.8L	173	CELEBRITY	1985 - 1986	V6	GM 60° L44	F.I.	O.H.V.	14089059	SWI10154
2827	2.8L	173	CENTURY	1986 ONLY	V6	GM 60° L44	F.I.	O.H.V.	14089059	SWI10154
2827	2.8L	173	CIMARRON	1986 ONLY	V6	GM 60° L44	F.I.	O.H.V.	14089059	SWI10154
2827	2.8L	173	CITATION II	1985 ONLY	V6	GM 60° L44	F.I.	O.H.V.	14089059	SWI10154
2827	2.8L	173	Cutlass CIERA	1986 ONLY	V6	GM 60° L44	F.I.	O.H.V.	14089059	SWI10154
2827	2.8L	173	Cutlass CRUISER	1986 ONLY	V6	GM 60° L44	F.I.	O.H.V.	14089059	SWI10154
2827	2.8L	173	FIREBIRD	1984 - 1986	V6	GM 60° L44	F.I.	O.H.V.	14089059	SWI10154
2827	2.8L	173	FIRENZA	1986 ONLY	V6	GM 60° L44	F.I.	O.H.V.	14089059	SWI10154
2827	2.8L	173	SKYLARK	1985 ONLY	V6	GM 60° L44	F.I.	O.H.V.	14089059	SWI10154
2827	2.8L	173	SONOMA	1991 - 1993	V6	GM 60° L44	F.I.	O.H.V.	14089059	SWI10154
2835	2.8L	173	CITATION	1981 - 1983	V6	GM 60° LE2	CARB	O.H.V.	14034969	SWL03235
2835	2.8L	173	CITATION II	1984 ONLY	V6	GM 60° LE2	CARB	O.H.V.	14034969	SWL03235
2835	2.8L	173	OMEGA	1981 - 1983	V6	GM 60° LE2	CARB	O.H.V.	14034969	SWL03235
2835	2.8L	173	SKYLARK	1982 - 1984	V6	GM 60° LE2	CARB	O.H.V.	14034969	SWL03235
2835	2.8L	173	6000	1982 - 1984	V6	GM 60° LE2	CARB	O.H.V.	14034969	SWL03235
2835	2.8L	173	CELEBRITY	1982 - 1984	V6	GM 60° LE2	CARB	O.H.V.	14034969	SWL03235
2835	2.8L	173	CITATION II	1984 ONLY	V6	GM 60° LE2	CARB	O.H.V.	14034969	SWL03235
2835	2.8L	173	FIREBIRD	1982 - 1984	V6	GM 60° LE2	CARB	O.H.V.	14034969	SWL03235
2835	2.8L	173	S-15 JIMMY	1983 - 1984	V6	GM 60° LE2	CARB	O.H.V.	14034969	SWL03235
2835	2.8L	173	S-15 PICKUP	1982 - 1984	V6	GM 60° LE2	CARB	O.H.V.	14034969	SWL03235

GMC, BUICK, CADILLAC, CHEVROLET, GEO, HUMMER, OLDSMOBILE, PONTIAC, SATURN - CONTINUED

PISTONS

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PISTON REFERENCE NUMBER	NOA PISTON #	HEAD PAGE #	DIA. mm	1 S T	2 N D	3 R D	O 1	O 2	REMARK
HUMMER, OLDSMOBILE, PONTIAC, SATURN									
12596024	X		89.00						24 VALVE
			3.504	0.000	0.000		0.000		
-	X		89.00						w/ TURBO, 24 VALVE
			3.504	0.000	0.000		0.000		
14092310	X		89.00	1.50	2.00		4.76		VIN-W
14092310	X		3.504	0.059	0.079		0.187		VIN-W
14092910	X		89.00	1.50	2.00		4.76		VIN-W
14092910	X		3.504	0.059	0.079		0.187		VIN-W
14092910	X								VIN-W
14092910	X								VIN-W
14092910	X								VIN-W
14092910	X								VIN-W
14092910	X								VIN-W
14092910	X								VIN-W
14092910	X								VIN-W
14092910	X								VIN-W
14092910	X								VIN-W
14092910	X								VIN-W
14092910	X								VIN-W
14094101	X		89.00	1.50	2.00		4.76		VIN-W
14094101	X		3.504	0.059	0.079		0.187		VIN-W
14094101	X								VIN-W
14094101	X								VIN-W
14094101	X								VIN-W
14094101	X								VIN-W
14094101	X								VIN-W
14094101	X								VIN-W
14094101	X								VIN-W
14094101	X								VIN-W
14094101	X								VIN-W
14094101	X								VIN-W
14094101	X								VIN-W
14033129	X		89.00	1.50	2.00		4.76		VIN-Z, Deep Oil
14033129	X		3.504	0.059	0.079		0.187		VIN-Z, Deep Oil
14033129	X								VIN-Z, Deep Oil
14033129	X								VIN-Z, Deep Oil
14033250	X		89.00	1.50	2.00		4.76		VIN-X, Deep Oil
14033250	X		3.504	0.059	0.079		0.187		VIN-X, Deep Oil
14033250	X								VIN-X, Deep Oil
14033250	X								VIN-X, Deep Oil
14033250	X								VIN-X, Deep Oil
14033250	X								VIN-X, Deep Oil
GMC, BUICK, CADILLAC, CHEVROLET, GEO, HUMMER, OLDSMOBILE, PONTIAC, SATURN - CONTINUED									

U.S. APPLICATIONS

PISTON RINGS

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ENGINE SIZE			MODEL NAME	YEAR	C Y L	ENGINE CODE NUMBER	F.I. CARB DIESEL	O.H.V. S.O.H.C. D.O.H.C.	RING REFERENCE NUMBER	NOA PISTON RING #
cc	L	ci								

GMC, BUICK, CADILLAC, CHEVROLET, GEO

2835	2.8L	173	S-10 BLAZER	1983 - 1985	V6	GM 60° LE2	CARB	O.H.V.	14034969	SWL03235
2835	2.8L	173	S-10 PICKUP	1982 - 1985	V6	GM 60° LE2	CARB	O.H.V.	14034969	SWL03235
2835	2.8L	173	S-15 JIMMY	1985 ONLY	V6	GM 60° LE2	CARB	O.H.V.	14034969	SWL03235
2835	2.8L	173	S-15 PICKUP	1985 ONLY	V6	GM 60° LE2	CARB	O.H.V.	14034969	SWL03235
2835	2.8L	173	CITATION	1981 - 1983	V6	GM 60° LH7	CARB	O.H.V.	14059051	SWI10154
2835	2.8L	173	Cutlass CIERA	1982 ONLY	V6	GM 60° LH7	CARB	O.H.V.	14059051	SWI10154
2835	2.8L	173	OMEGA	1981 - 1983	V6	GM 60° LH7	CARB	O.H.V.	14059051	SWI10154
2835	2.8L	173	PHOENIX	1981 - 1984	V6	GM 60° LH7	CARB	O.H.V.	14059051	SWI10154
2835	2.8L	173	SKYLARK	1981 - 1984	V6	GM 60° LH7	CARB	O.H.V.	14059051	SWI10154
2835	2.8L	173	BERETTA	1987 ONLY	V6	GM 60° G-II	F.I.	O.H.V.	10181330	SWI10155
2835	2.8L	173	CAVALIER	1987 ONLY	V6	GM 60° G-II	F.I.	O.H.V.	10181330	SWI10155
2835	2.8L	173	CELEBRITY	1987 ONLY	V6	GM 60° G-II	F.I.	O.H.V.	10181330	SWI10155
2835	2.8L	173	CENTURY	1987 ONLY	V6	GM 60° G-II	F.I.	O.H.V.	10181330	SWI10155
2835	2.8L	173	CIMARRON	1987 ONLY	V6	GM 60° G-II	F.I.	O.H.V.	10181330	SWI10155
2835	2.8L	173	CORSICA	1987 ONLY	V6	GM 60° G-II	F.I.	O.H.V.	10181330	SWI10155
2835	2.8L	173	Cutlass CIERA	1987 ONLY	V6	GM 60° G-II	F.I.	O.H.V.	10181330	SWI10155
2835	2.8L	173	Cutlass CRUISER	1987 ONLY	V6	GM 60° G-II	F.I.	O.H.V.	10181330	SWI10155
2835	2.8L	173	FIRENZA	1987 ONLY	V6	GM 60° G-II	F.I.	O.H.V.	10181330	SWI10155
2835	2.8L	173	6000	1987 - 1989	V6	GM 60° G-II	F.I.	O.H.V.	10181330	SWI10155
2835	2.8L	173	BERETTA	1988 ONLY	V6	GM 60° G-II	F.I.	O.H.V.	10181330	SWI10155
2835	2.8L	173	CAVALIER	1988 - 1989	V6	GM 60° G-II	F.I.	O.H.V.	10181330	SWI10155
2835	2.8L	173	CELEBRITY	1988 - 1989	V6	GM 60° G-II	F.I.	O.H.V.	10181330	SWI10155
2835	2.8L	173	CENTURY	1988 - 1989	V6	GM 60° G-II	F.I.	O.H.V.	10181330	SWI10155
2835	2.8L	173	CIMARRON	1988 ONLY	V6	GM 60° G-II	F.I.	O.H.V.	10181330	SWI10155
2835	2.8L	173	CORSICA	1988 ONLY	V6	GM 60° G-II	F.I.	O.H.V.	10181330	SWI10155
2835	2.8L	173	Cutlass CIERA	1988 - 1989	V6	GM 60° G-II	F.I.	O.H.V.	10181330	SWI10155
2835	2.8L	173	Cutlass CRUISER	1988 - 1989	V6	GM 60° G-II	F.I.	O.H.V.	10181330	SWI10155
2835	2.8L	173	Cutlass Supreme	1988 - 1989	V6	GM 60° G-II	F.I.	O.H.V.	10181330	SWI10155
2835	2.8L	173	REGAL	1988 - 1989	V6	GM 60° G-II	F.I.	O.H.V.	10181330	SWI10155
2835	2.8L	173	6000	1988 - 1991	V6	GM 60° G-II	F.I.	O.H.V.	10181330	SWI10155
2835	2.8L	173	CAVALIER	1990 - 1994	V6	GM 60° G-II	F.I.	O.H.V.	10181330	SWI10155
2835	2.8L	173	CELEBRITY	1990 ONLY	V6	GM 60° G-II	F.I.	O.H.V.	10181330	SWI10155
2921	2.9L	178	CANYON	2007 - 2012	4	Vortec 2900 LLV	F.I.	D.O.H.C.	89018219	SWG10037
2921	2.9L	178	COLORADO	2007 - 2012	4	ATLAS LLV	F.I.	D.O.H.C.	89018219	SWG10037
2962	3.0L	181	CATERA	1997 - 1998	V6	ELLESME L81	F.I.	S.O.H.C	90509740	SWC10001
GMC, BUICK, CADILLAC, CHEVROLET, GEO, HUMMER, OLDSMOBILE, PONTIAC, SATURN - CONTINUED										

PISTONS

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PISTON REFERENCE NUMBER	NOA PISTON #	HEAD PAGE #	DIA. mm	1 S T	2 N D	3 R D	O 1	O 2	REMARK
HUMMER, OLDSMOBILE, PONTIAC, SATURN									
14094101	X		89.00	1.50	2.00		4.76		Deep Oil
14094101	X		3.504	0.059	0.079		0.187		Deep Oil
14094101	X								Deep Oil
14094101	X								Deep Oil
14033250	X		89.00	1.50	2.00		4.76		VIN-X
14033250	X		3.504	0.059	0.079		0.187		VIN-X
14033250	X								VIN-X
14033250	X								VIN-X
14033250	X								VIN-X
14100521	X		89.00	1.50	1.50		4.00		
14100521	X		3.504	0.059	0.059		0.157		
14100521	X								
14100521	X								
14100521	X								
14100521	X								
14100521	X								
14100521	X								
14102688	X		89.00	1.50	1.50		4.00		
14102688	X		3.504	0.059	0.059		0.157		
14102688	X								
14102688	X								
14102688	X								
14102688	X								
14102688	X								
14102688	X								
14102688	X								
14102688	X								
10070183	X		89.00	1.50	1.50		4.00		12 VALVE
10070183	X		3.504	0.059	0.059		0.157		12 VALVE
10070183	X								12 VALVE
89018218	X		95.50	1.20	1.50		2.50		16 VALVE
89018218	X		3.760	0.047	0.059		0.098		16 VALVE
90528577	X		86.00	1.50	1.50		3.00		VIN-R, 24 VALVE
			3.386	0.059	0.059		0.118		
GMC, BUICK, CADILLAC, CHEVROLET, GEO, HUMMER, OLDSMOBILE, PONTIAC, SATURN - CONTINUED									

U.S. APPLICATIONS

PISTON RINGS

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ENGINE SIZE			MODEL NAME	YEAR	C Y L	ENGINE CODE NUMBER	F.I. CARB DIESEL	O.H.V. S.O.H.C. D.O.H.C.	RING REFERENCE NUMBER	NOA PISTON RING #
cc	L	ci								

GMC, BUICK, CADILLAC, CHEVROLET, GEO

2962	3.0L	181	CATERA	1999 - 2001	V6	ELLESME L81	F.I.	D.O.H.C.	9118853	SWG10016
2962	3.0L	181	L300	2000 - 2006	V6	ELLESME L81	F.I.	D.O.H.C.	9118853	SWG10016
2962	3.0L	181	LS2	2000 - 2002	V6	ELLESME L81	F.I.	D.O.H.C.	9118853	SWG10016
2962	3.0L	181	LW200	2000 - 2002	V6	ELLESME L81	F.I.	D.O.H.C.	9118853	SWG10016
2962	3.0L	181	LW300	2000 - 2002	V6	ELLESME L81	F.I.	D.O.H.C.	9118853	SWG10016
2962	3.0L	181	VUE	2002 - 2003	V6	ELLESME L81	F.I.	D.O.H.C.	9118853	SWG10016
2999	3.0L	183	CTS	2011 - 2012	V6	Alloytec LF1	F.I.	D.O.H.C.	12631194	NA
2999	3.0L	183	CTS	2011 - 2012	V6	Alloytec LF1	F.I.	D.O.H.C.	12631194	NA
2999	3.0L	183	CTS SPORT WAGON	2010 - 2012	V6	Alloytec LF1	F.I.	D.O.H.C.	12631194	NA
2999	3.0L	183	CTS SPORT WAGON	2010 - 2012	V6	Alloytec LF1	F.I.	D.O.H.C.	12631194	NA
2999	3.0L	183	EQUINOX	2010 - 2011	V6	Alloytec LF1	F.I.	D.O.H.C.	12631194	NA
2999	3.0L	183	EQUINOX	2010 - 2011	V6	Alloytec LF1	F.I.	D.O.H.C.	12631194	NA
2999	3.0L	183	LaCrosse	2010 ONLY	V6	Alloytec LF1	F.I.	D.O.H.C.	12631194	NA
2999	3.0L	183	LaCrosse	2010 ONLY	V6	Alloytec LF1	F.I.	D.O.H.C.	12631194	NA
2999	3.0L	183	SRX	2010 - 2012	V6	Alloytec LF1	F.I.	D.O.H.C.	12631194	NA
2999	3.0L	183	SRX	2010 - 2012	V6	Alloytec LF1	F.I.	D.O.H.C.	12631194	NA
2999	3.0L	183	TERRAIN	2010 - 2012	V6	Alloytec LF1	F.I.	D.O.H.C.	12631194	NA
2999	3.0L	183	TERRAIN	2010 - 2012	V6	Alloytec LF1	F.I.	D.O.H.C.	12631194	NA
3130	3.1L	191	CAMARO	1990 - 1992	V6	CPC	F.I.	O.H.V.	10181330	SWI10155
3130	3.1L	191	FIREBIRD	1990 - 1992	V6	CPC	F.I.	O.H.V.	10181330	SWI10155
3130	3.1L	191	BERETTA	1989 - 1993	V6	GM 60° LH0	F.I.	O.H.V.	10181330	SWI10155
3130	3.1L	191	CORSICA	1989 - 1992	V6	GM 60° LH0	F.I.	O.H.V.	10181330	SWI10155
3130	3.1L	191	CORSICA	1993 ONLY	V6	GM 60° LH0	F.I.	O.H.V.	10181330	SWI10155
3130	3.1L	191	Cutlass Supreme	1989 - 1993	V6	GM 60° LH0	F.I.	O.H.V.	10181330	SWI10155
3130	3.1L	191	GRAND PRIX	1989 - 1993	V6	GM 60° LH0	F.I.	O.H.V.	10181330	SWI10155
3130	3.1L	191	LUMINA	1990 - 1994	V6	GM 60° LH0	F.I.	O.H.V.	10181330	SWI10155
3130	3.1L	191	REGAL	1989 - 1993	V6	GM 60° LH0	F.I.	O.H.V.	10181330	SWI10155
3130	3.1L	191	SUNBIRD	1991 - 1994	V6	GM 60° LH0	F.I.	O.H.V.	10181330	SWI10155
3137	3.1L	191	APV	1990 - 1993	V6	GM 60° LG6	F.I.	O.H.V.	10181330	SWI10155
3137	3.1L	191	LUMINA APV	1990 - 1995	V6	GM 60° LG6	F.I.	O.H.V.	10181330	SWI10155
3137	3.1L	191	SILHOUETTE	1990 - 1991	V6	GM 60° LG6	F.I.	O.H.V.	10181330	SWI10155
3137	3.1L	191	SILHOUETTE	1992 - 1994	V6	GM 60° LG6	F.I.	O.H.V.	10181330	SWI10155
3137	3.1L	191	TRANS SPORT	1990 - 1991	V6	GM 60° LG6	F.I.	O.H.V.	10181330	SWI10155
3137	3.1L	191	TRANS SPORT	1992 - 1995	V6	GM 60° LG6	F.I.	O.H.V.	10181330	SWI10155
3130	3.1L	191	ACHIEVA	1994 - 1995	V6	GM 60° L82	F.I.	O.H.V.	10181330	SWI10155
3130	3.1L	191	BERETTA	1994 - 1995	V6	GM 60° L82	F.I.	O.H.V.	10181330	SWI10155
3130	3.1L	191	GENTURY	1994 - 1995	V6	GM 60° L82	F.I.	O.H.V.	10181330	SWI10155
3130	3.1L	191	CORSICA	1994 - 1995	V6	GM 60° L82	F.I.	O.H.V.	10181330	SWI10155
3130	3.1L	191	Cutlass Supreme	1994 - 1995	V6	GM 60° L82	F.I.	O.H.V.	10181330	SWI10155
3130	3.1L	191	GRAND AM	1994 - 1995	V6	GM 60° L82	F.I.	O.H.V.	10181330	SWI10155
										SWI10155 CONTINUED

GMC, BUICK, CADILLAC, CHEVROLET, GEO, HUMMER, OLDSMOBILE, PONTIAC, SATURN - CONTINUED

PISTONS

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PISTON REFERENCE NUMBER	NOA PISTON #	HEAD PAGE #	DIA. mm	1 S T	2 N D	3 R D	O 1	O 2	REMARK
HUMMER, OLDSMOBILE, PONTIAC, SATURN									
90571284	X		86.00	1.20	1.50		3.00		VIN-R, 24 VALVE
90571284	X		3.386	0.047	0.059		0.118		24 VALVE
90571284	X								24 VALVE
90571284	X								24 VALVE
90571284	X								24 VALVE
90571284	X								24 VALVE
12631196	X		89.00						LEFT, 24 VALVE
12631195	X		89.00						RIGHT, 24 VALVE
12631196	X		3.504	0.000	0.000		0.000		LEFT, 24 VALVE
12631195	X		3.504	0.000	0.000		0.000		RIGHT, 24 VALVE
12631196	X								LEFT, 24 VALVE
12631195	X								RIGHT, 24 VALVE
12631196	X								LEFT, 24 VALVE
12631195	X								RIGHT, 24 VALVE
12631196	X								LEFT, 24 VALVE
12631195	X								RIGHT, 24 VALVE
12631196	X								LEFT, 24 VALVE
12631195	X								RIGHT, 24 VALVE
10070145	<i>DISC. 11-569</i>		89.00	1.50	1.50		4.00		ISUZU Engine
10070145	<i>DISC. 11-569</i>		3.504	0.059	0.059		0.157		ISUZU Engine
10070183	X		89.00	1.50	1.50		4.00		12 VALVE
10070183	X		3.504	0.059	0.059		0.157		12 VALVE
10070183	X								12 VALVE
10070183	X								12 VALVE
10070183	X								12 VALVE
10070183	X								12 VALVE
10070183	X								12 VALVE
10070183	X								12 VALVE
10087699	X		89.00	1.50	1.50		4.00		12 VALVE
10087699	X		3.504	0.059	0.059		0.157		12 VALVE
10087699	X								12 VALVE
10087699	X								12 VALVE
10087699	X								12 VALVE
10087699	X								12 VALVE
24505806	X		89.00	1.50	1.50		4.00		12 VALVE
24505806	X		3.504	0.059	0.059		0.157		12 VALVE
24505806	X								12 VALVE
24505806	X								12 VALVE
24505806	X								12 VALVE
24505806	X								12 VALVE
GMC, BUICK, CADILLAC, CHEVROLET, GEO, HUMMER, OLDSMOBILE, PONTIAC, SATURN - CONTINUED									

U.S. APPLICATIONS

PISTON RINGS

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ENGINE SIZE			MODEL NAME	YEAR	C Y L	ENGINE CODE NUMBER	F.I. CARB DIESEL	O.H.V. S.O.H.C. D.O.H.C.	RING REFERENCE NUMBER	NOA PISTON RING #
cc	L	ci								
GMC, BUICK, CADILLAC, CHEVROLET, GEO										
3130	3.1L	191	GRAND PRIX	1994 - 1995	V6	GM 60° L82	F.I.	O.H.V.	10181330	SWI10155
3130	3.1L	191	LUMINA	1995 ONLY	V6	GM 60° L82	F.I.	O.H.V.	10181330	SWI10155
3130	3.1L	191	MONTE CARLO	1995 ONLY	V6	GM 60° L82	F.I.	O.H.V.	10181330	SWI10155
3130	3.1L	191	REGAL	1994 - 1995	V6	GM 60° L82	F.I.	O.H.V.	10181330	SWI10155
3130	3.1L	191	SKYLARK	1994 - 1995	V6	GM 60° L82	F.I.	O.H.V.	10181330	SWI10155
3137	3.1L	191	LUMINA	1996 ONLY	V6	GM 60° L82	F.I.	O.H.V.	12538683	SWG10004
3137	3.1L	191	MONTE CARLO	1996 ONLY	V6	GM 60° L82	F.I.	O.H.V.	12538683	SWG10004
3137	3.1L	191	ACHIEVA	1996 - 1998	V6	GM 60° L82	F.I.	O.H.V.	12538683	SWG10004
3137	3.1L	191	BERETTA	1996 ONLY	V6	GM 60° L82	F.I.	O.H.V.	12538683	SWG10004
3137	3.1L	191	CENTURY	1996 - 1999	V6	GM 60° L82	F.I.	O.H.V.	12538683	SWG10004
3137	3.1L	191	CORSICA	1996 ONLY	V6	GM 60° L82	F.I.	O.H.V.	12538683	SWG10004
3137	3.1L	191	CUTLASS	1997 - 1999	V6	GM 60° L82	F.I.	O.H.V.	12538683	SWG10004
3137	3.1L	191	Cutlass Supreme	1996 - 1997	V6	GM 60° L82	F.I.	O.H.V.	12538683	SWG10004
3137	3.1L	191	GRAND AM	1996 - 1998	V6	GM 60° L82	F.I.	O.H.V.	12538683	SWG10004
3137	3.1L	191	GRAND PRIX	1996 - 1999	V6	GM 60° L82	F.I.	O.H.V.	12538683	SWG10004
3137	3.1L	191	LUMINA	1997 - 1999	V6	GM 60° L82	F.I.	O.H.V.	12538683	SWG10004
3137	3.1L	191	MALIBU	1997 - 1999	V6	GM 60° L82	F.I.	O.H.V.	12538683	SWG10004
3137	3.1L	191	MONTE CARLO	1997 - 1999	V6	GM 60° L82	F.I.	O.H.V.	12538683	SWG10004
3137	3.1L	191	REGAL	1996 ONLY	V6	GM 60° L82	F.I.	O.H.V.	12538683	SWG10004
3137	3.1L	191	SKYLARK	1996 - 1998	V6	GM 60° L82	F.I.	O.H.V.	12538683	SWG10004
3137	3.1L	191	CENTURY	2000 - 2005	V6	GM 60° LG8	F.I.	O.H.V.	12481987	SWG10004
3137	3.1L	191	CUTLASS	1999 ONLY	V6	GM 60° LG8	F.I.	O.H.V.	12481987	SWG10004
3137	3.1L	191	GRAND PRIX	2000 - 2003	V6	GM 60° LG8	F.I.	O.H.V.	12481987	SWG10004
3137	3.1L	191	LUMINA	2000 - 2001	V6	GM 60° LG8	F.I.	O.H.V.	12481987	SWG10004
3137	3.1L	191	MALIBU	1999 - 2003	V6	GM 60° LG8	F.I.	O.H.V.	12481987	SWG10004
3175	3.2L	194	CTS	2003 - 2004	V6	ELLESMERE LA3	F.I.	D.O.H.C	88894292	NA
3343	3.3L	204	ACHIEVA	1992 - 1993	V6	BUICK 3300	F.I.	O.H.V.	24501330	SWG10012
3343	3.3L	204	CENTURY	1989 - 1993	V6	BUICK 3300	F.I.	O.H.V.	24501330	SWG10012
3343	3.3L	204	CIERA	1996 ONLY	V6	BUICK 3300	F.I.	O.H.V.	24501330	SWG10012
3343	3.3L	204	Cutlass Calais	1989 - 1991	V6	BUICK 3300	F.I.	O.H.V.	24501330	SWG10012
3343	3.3L	204	Cutlass CIERA	1989 - 1990	V6	BUICK 3300	F.I.	O.H.V.	24501065	SWG10012
3343	3.3L	204	Cutlass CIERA	1991 - 1995	V6	BUICK 3300	F.I.	O.H.V.	24501330	SWG10012
3343	3.3L	204	Cutlass CRUISER	1989 - 1990	V6	BUICK 3300	F.I.	O.H.V.	24501065	SWG10012
3343	3.3L	204	Cutlass CRUISER	1991 - 1995	V6	BUICK 3300	F.I.	O.H.V.	24501330	SWG10012
3343	3.3L	204	GRAND AM	1993 ONLY	V6	BUICK 3300	F.I.	O.H.V.	24501330	SWG10012
3343	3.3L	204	SKYLARK	1989 - 1993	V6	BUICK 3300	F.I.	O.H.V.	24501330	SWG10012
3350	3.4L	204	EQUINOX	2005 - 2008	V6	GM 60° LNJ	F.I.	O.H.V.	12481322	SWG10009
3350	3.4L	204	TORRENT	2005 - 2008	V6	GM 60° LNJ	F.I.	O.H.V.	12481322	SWG10009
3392	3.4L	207	CAMARO	1993 - 1995	V6	GM 60° L32	F.I.	O.H.V.	12520260	SWG80011
3392	3.4L	207	FIREBIRD	1993 - 1995	V6	GM 60° L32	F.I.	O.H.V.	12520260	SWG80011

PISTONS

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PISTON REFERENCE NUMBER	NOA PISTON #	HEAD PAGE #	DIA. mm	1 S T	2 N D	3 R D	O 1	O 2	REMARK
HUMMER, OLDSMOBILE, PONTIAC, SATURN									
24505806	X								12 VALVE
24505806	X								12 VALVE
24505806	X								12 VALVE
24505806	X								12 VALVE
24505806	X								12 VALVE
24504503	X		89.00	1.20	1.50		3.00		12 VALVE
24504503	X		3.504	0.047	0.059		0.118		12 VALVE
24508726	X		89.00	1.20	1.50		3.00		12 VALVE
24508726	X		3.504	0.047	0.059		0.118		12 VALVE
24508726	X								12 VALVE
24508726	X								12 VALVE
24508726	X								12 VALVE
24508726	X								12 VALVE
24508726	X								12 VALVE
24508726	X								12 VALVE
24508726	X								12 VALVE
24508726	X								12 VALVE
24508726	X								12 VALVE
24508726	X								12 VALVE
24508726	X								12 VALVE
24508726	X								12 VALVE
12564009	X		89.00	1.20	1.50		3.00		VIN-J, 12 VALVE
12564009	X		3.504	0.047	0.059		0.118		VIN-J, w/ CALIF E.C.S., 12 VALVE
12564009	X								VIN-J, 12 VALVE
12564009	X								VIN-J, 12 VALVE
12564009	X								VIN-J, w/ CALIF E.C.S., 12 VALVE
2405799	X		87.50	1.20	1.50		2.50		24 VALVE
			3.445	0.047	0.059		0.098		
24501065	X		94.00	1.50	1.50		3.00		VIN-N, 12 VALVE
24501065	X		3.701	0.059	0.059		0.118		VIN-N, 12 VALVE
24501065	X								12 VALVE
24501065	X								VIN-N, 12 VALVE
24501065	X								12 VALVE
24501065	X								VIN-N, 12 VALVE
24501065	X								12 VALVE
24501065	X								VIN-N, 12 VALVE
24501065	X								VIN-N, 12 VALVE
24501065	X								VIN-N, 12 VALVE
12575630	X		92.00	1.20	1.50		3.00		12 VALVE
12575630	X		3.622	0.047	0.059		0.118		12 VALVE
10146858	X		92.00	1.50	1.50		4.00		12 VALVE
10146858	X		3.622	0.059	0.059		0.157		12 VALVE

U.S. APPLICATIONS

PISTON RINGS

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ENGINE SIZE			MODEL NAME	YEAR	CYL	ENGINE CODE NUMBER	F.I. CARB DIESEL	O.H.V. S.O.H.C. D.O.H.C.	RING REFERENCE NUMBER	NOA PISTON RING #
cc	L	ci								
GMC, BUICK, CADILLAC, CHEVROLET, GEO										
3392	3.4L	207	LUMINA	1991 - 1994	V6	GM 60° LQ1	F.I.	D.O.H.C.	10181263	SWG80011
3392	3.4L	207	LUMINA	1991 - 1994	V6	GM 60° LQ1	F.I.	D.O.H.C.	10181263	SWG80011
3392	3.4L	207	Cutlass Supreme	1991 - 1995	V6	GM 60° LQ1	F.I.	D.O.H.C.	12520260	SWG80011
3392	3.4L	207	Cutlass Supreme	1996 ONLY	V6	GM 60° LQ1	F.I.	D.O.H.C.	12536891	SWG80011
3392	3.4L	207	GRAND PRIX	1991 - 1996	V6	GM 60° LQ1	F.I.	D.O.H.C.	12520260	SWG80011
3392	3.4L	207	LUMINA	1995 ONLY	V6	GM 60° LQ1	F.I.	D.O.H.C.	12520260	SWG80011
3392	3.4L	207	LUMINA	1996 - 1997	V6	GM 60° LQ1	F.I.	D.O.H.C.	12538691	SWG80011
3392	3.4L	207	MONTE CARLO	1995 ONLY	V6	GM 60° LQ1	F.I.	D.O.H.C.	12520260	SWG80011
3392	3.4L	207	MONTE CARLO	1996 - 1997	V6	GM 60° LQ1	F.I.	D.O.H.C.	12538691	SWG80011
3392	3.4L	207	ALERO	2000 - 2004	V6	GM 60° LA1	F.I.	O.H.V.	12481322	SWG10009
3392	3.4L	207	AZTEK	2001 - 2006	V6	GM 60° LA1	F.I.	O.H.V.	12481322	SWG10009
3392	3.4L	207	GRAND AM	2000 - 2006	V6	GM 60° LA1	F.I.	O.H.V.	12481322	SWG10009
3392	3.4L	207	IMPALA	2000 - 2006	V6	GM 60° LA1	F.I.	O.H.V.	12481322	SWG10009
3392	3.4L	207	MONTANA	2000 - 2006	V6	GM 60° LA1	F.I.	O.H.V.	12481322	SWG10009
3392	3.4L	207	MONTE CARLO	2000 - 2005	V6	GM 60° LA1	F.I.	O.H.V.	12481322	SWG10009
3392	3.4L	207	RENDEZVOUS	2002 - 2005	V6	GM 60° LA1	F.I.	O.H.V.	12481322	SWG10009
3392	3.4L	207	SILHOUETTE	2000 - 2004	V6	GM 60° LA1	F.I.	O.H.V.	12481322	SWG10009
3392	3.4L	207	VENTURE	2000 - 2006	V6	GM 60° LA1	F.I.	O.H.V.	12481322	SWG10009
3392	3.4L	207	ALERO	1999 ONLY	V6	GM 60° LA1	F.I.	O.H.V.	12537866	SWG10001
3392	3.4L	207	GRAND AM	1999 ONLY	V6	GM 60° LA1	F.I.	O.H.V.	12537866	SWG10001
3392	3.4L	207	LUMINA APV	1996 ONLY	V6	GM 60° LA1	F.I.	O.H.V.	12537866	SWG10001
3392	3.4L	207	MONTANA	1999 ONLY	V6	GM 60° LA1	F.I.	O.H.V.	12537866	SWG10001
3392	3.4L	207	SILHOUETTE	1996 - 1999	V6	GM 60° LA1	F.I.	O.H.V.	12537866	SWG10001
3392	3.4L	207	TRANS SPORT	1996 - 1998	V6	GM 60° LA1	F.I.	O.H.V.	12537866	SWG10001
3392	3.4L	207	VENTURE	1997 - 1999	V6	GM 60° LA1	F.I.	O.H.V.	12537866	SWG10001
3460	3.5L	211	CANYON	2004 - 2006	5	Vortec 3500 L52	F.I.	D.O.H.C.	89060378	NA
3460	3.5L	211	COLORADO	2004 - 2006	5	ATLAS L52	F.I.	D.O.H.C.	89060378	NA
3460	3.5L	211	H3	2006 ONLY	5	Vortec 3500 L52	F.I.	D.O.H.C.	89060378	NA
3471	3.5L	212	VUE	2004 - 2007	V6	J35A3	F.I.	S.O.H.C.	13011-PGE-A01	SWH30438
3498	3.5L	213	G6	2005 - 2006	V6	High Value LX9	F.I.	O.H.V.	12584525	SWG10038
3498	3.5L	213	MALIBU	2004 - 2008	V6	High Value LX9	F.I.	O.H.V.	12584525	SWG10038
3498	3.5L	213	MALIBU MAXX	2004 - 2006	V6	High Value LX9	F.I.	O.H.V.	12584525	SWG10038
3498	3.5L	213	MONTANA SV6	2005 - 2006	V6	High Value LX9	F.I.	O.H.V.	12584525	SWG10038
3498	3.5L	213	RELAY	2005 - 2006	V6	High Value LX9	F.I.	O.H.V.	12584525	SWG10038
3498	3.5L	213	RENDEZVOUS	2006 - 2008	V6	High Value LX9	F.I.	O.H.V.	12584525	SWG10038
3498	3.5L	213	TERRAZA	2005 - 2006	V6	High Value LX9	F.I.	O.H.V.	12584525	SWG10038
3498	3.5L	213	UPLANDER	2005 - 2009	V6	High Value LX9	F.I.	O.H.V.	12584525	SWG10038

PISTONS

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PISTON REFERENCE NUMBER	NOA PISTON #	HEAD PAGE #	DIA. mm	1 S T	2 N D	3 R D	O 1	O 2	REMARK
HUMMER, OLDSMOBILE, PONTIAC, SATURN									
10162022	X		92.00	1.50	1.50		4.00		24 VALVE
			3.622	0.059	0.059		0.157		
10162023	X		92.00	1.50	1.50		4.00		24 VALVE
			3.622	0.059	0.059		0.157		
24505686	X		92.00	1.50	1.50		4.00		24 VALVE
24505686	X		3.622	0.059	0.059		0.157		24 VALVE
24505686	X								24 VALVE
24505686	X								24 VALVE
24505686	X								24 VALVE
24505686	X								24 VALVE
24505686	X								24 VALVE
12564669	X		92.00	1.20	1.50		3.00		12 VALVE
12564669	X		3.622	0.047	0.059		0.118		12 VALVE
12564669	X								12 VALVE
12564669	X								12 VALVE
12564669	X								12 VALVE
12564669	X								12 VALVE
12564669	X								12 VALVE
12564669	X								12 VALVE
24508727	11-887	346	92.00	1.20	1.50		4.00		12 VALVE
24508727	11-887	346							12 VALVE
24508727	11-887	346							12 VALVE
24508727	11-887	346							12 VALVE
24508727	11-887	346							12 VALVE
24508727	11-887	346							12 VALVE
24508727	11-887	346							12 VALVE
12585784	X		93.00						20 VALVE
12585784	X		3.661	0.000	0.000		0.000		20 VALVE
12585784	X								20 VALVE
13010-RDA-A00	11-836*	334	89.00	1.20	1.20		2.80		HONDA Engine, 24 VALVE
			3.504	0.047	0.047		0.110		
12577586	X		94.00	1.20	1.50		2.50		12 VALVE
12577586	X		3.701	0.047	0.059		0.098		12 VALVE
12577586	X								12 VALVE
12577586	X								12 VALVE
12577586	X								12 VALVE
12577586	X								12 VALVE
12577586	X								12 VALVE
12577586	X								12 VALVE

U.S. APPLICATIONS

PISTON RINGS

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RED = NEW INFORMATION

ENGINE SIZE			MODEL NAME	YEAR	CYL	ENGINE CODE NUMBER	F.I. CARB DIESEL	O.H.V. S.O.H.C. D.O.H.C.	RING REFERENCE NUMBER	NOA PISTON RING #
cc	L	ci								
GMC, BUICK, CADILLAC, CHEVROLET, GEO										
3510	3.5L	214	AURA	2007 - 2008	V6	High Value LZ4	F.I.	O.H.V.	89060428	SWG80056
3510	3.5L	214	G6	2007 - 2009	V6	High Value LZ4	F.I.	O.H.V.	89060428	SWG80056
3510	3.5L	214	IMPALA	2007 - 2011	V6	High Value LZE	F.I.	O.H.V.	89018067	SWG80056
3510	3.5L	214	MONTE CARLO	2006 - 2008	V6	High Value LZ4	F.I.	O.H.V.	89060428	SWG80056
3510	3.5L	214	VUE	2008 - 2010	V6	High Value LZ4	F.I.	O.H.V.	89060428	SWG80056
3564	3.6L	217	ACADIA	2007 - 2008	V6	Alloytec LY7	F.I.	D.O.H.C.	12608615	SWG10039
3564	3.6L	217	AURA	2007 - 2009	V6	Alloytec LY7	F.I.	D.O.H.C.	12608615	SWG10039
3564	3.6L	217	CTS	2004 - 2009	V6	Alloytec LY7	F.I.	D.O.H.C.	12608615	SWG10039
3564	3.6L	217	ENLCLAVE	2007 - 2008	V6	Alloytec LY7	F.I.	D.O.H.C.	12608615	SWG10039
3564	3.6L	217	EQUINOX	2008 - 2009	V6	Alloytec LY7	F.I.	D.O.H.C.	12608615	SWG10039
3564	3.6L	217	G6	2007 - 2009	V6	Alloytec LY7	F.I.	D.O.H.C.	12608615	SWG10039
3564	3.6L	217	G8	2008 - 2009	V6	Alloytec LY7	F.I.	D.O.H.C.	12608615	SWG10039
3564	3.6L	217	LaCrosse	2005 - 2008	V6	Alloytec LY7	F.I.	D.O.H.C.	12608615	SWG10039
3564	3.6L	217	MALIBU	2009 - 2012	V6	Alloytec LY7	F.I.	D.O.H.C.	12608615	SWG10039
3564	3.6L	217	OUTLOOK	2007 - 2010	V6	Alloytec LY7	F.I.	D.O.H.C.	12608615	SWG10039
3564	3.6L	217	RENDEZVOUS	2004 - 2006	V6	Alloytec LY7	F.I.	D.O.H.C.	12608615	SWG10039
3564	3.6L	217	SRX	2004 - 2009	V6	Alloytec LY7	F.I.	D.O.H.C.	12608615	SWG10039
3564	3.6L	217	STS	2005 - 2011	V6	Alloytec LY7	F.I.	D.O.H.C.	12608615	SWG10039
3564	3.6L	217	TORRENT	2008 - 2010	V6	Alloytec LY7	F.I.	D.O.H.C.	12608615	SWG10039
3564	3.6L	217	VUE	2008 ONLY	V6	Alloytec LY7	F.I.	D.O.H.C.	12608615	SWG10039
3564	3.6L	217	ACADIA	2009 - 2015	V6	Alloytec LLT	F.I.	D.O.H.C.	12616973	SWG10052
3564	3.6L	217	ACADIA	2009 - 2015	V6	Alloytec LLT	F.I.	D.O.H.C.	12616973	SWG10052
3564	3.6L	217	ACADIA DENALI	2011 - 2015	V6	Alloytec LLT	F.I.	D.O.H.C.	12616973	SWG10052
3564	3.6L	217	ACADIA DENALI	2011 - 2015	V6	Alloytec LLT	F.I.	D.O.H.C.	12616973	SWG10052
3564	3.6L	217	CAMARO	2010 - 2011	V6	Alloytec LLE	F.I.	D.O.H.C.	12616973	SWG10052
3564	3.6L	217	CAMARO	2010 - 2011	V6	Alloytec LLE	F.I.	D.O.H.C.	12616973	SWG10052
3564	3.6L	217	CTS	2008 - 2011	V6	Alloytec LLT	F.I.	D.O.H.C.	12616973	SWG10052
3564	3.6L	217	CTS	2008 - 2011	V6	Alloytec LLT	F.I.	D.O.H.C.	12616973	SWG10052
3564	3.6L	217	CTS SPORT WAGON	2010 - 2011	V6	Alloytec LLT	F.I.	D.O.H.C.	12616973	SWG10052
3564	3.6L	217	CTS SPORT WAGON	2010 - 2011	V6	Alloytec LLT	F.I.	D.O.H.C.	12616973	SWG10052
3564	3.6L	217	ENLCLAVE	2007 - 2011	V6	Alloytec LLT	F.I.	D.O.H.C.	12616973	SWG10052
3564	3.6L	217	ENLCLAVE	2007 - 2011	V6	Alloytec LLT	F.I.	D.O.H.C.	12616973	SWG10052
3564	3.6L	217	LaCrosse	2010 - 2011	V6	Alloytec LLT	F.I.	D.O.H.C.	12616973	SWG10052
3564	3.6L	217	LaCrosse	2010 - 2011	V6	Alloytec LLT	F.I.	D.O.H.C.	12616973	SWG10052
3564	3.6L	217	TRAVERSE	2009 - 2015	V6	Alloytec LLT	F.I.	D.O.H.C.	12616973	SWG10052
3564	3.6L	217	TRAVERSE	2009 - 2015	V6	Alloytec LLT	F.I.	D.O.H.C.	12616973	SWG10052
3564	3.6L	217	ATS	2013 - 2015	V6	Alloytec LFX	F.I.	D.O.H.C.	12644928	NA
3564	3.6L	217	ATS	2013 - 2015	V6	Alloytec LFX	F.I.	D.O.H.C.	12644928	NA
3564	3.6L	217	CAMARO	2012 - 2015	V6	Alloytec LFX	F.I.	D.O.H.C.	12644928	NA
3564	3.6L	217	CAMARO	2012 - 2015	V6	Alloytec LFX	F.I.	D.O.H.C.	12644928	NA
3564	3.6L	217	CANYON	2015 - 2016	V6	Alloytec LFX	F.I.	D.O.H.C.	12644928	NA
3564	3.6L	217	CANYON	2015 - 2016	V6	Alloytec LFX	F.I.	D.O.H.C.	12644928	NA
3564	3.6L	217	COLORADO	2015 - 2016	V6	Alloytec LFX	F.I.	D.O.H.C.	12644928	NA
3564	3.6L	217	COLORADO	2015 - 2016	V6	Alloytec LFX	F.I.	D.O.H.C.	12644928	NA

PISTONS

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PISTON REFERENCE NUMBER	NOA PISTON #	HEAD PAGE #	DIA. mm	1 S T	2 N D	3 R D	O 1	O 2	REMARK
HUMMER, OLDSMOBILE, PONTIAC, SATURN									
89018065	X		99.00	1.20	1.50		2.50		12 VALVE
89018065	X		3.898	0.047	0.059		0.098		12 VALVE
89018065	X								12 VALVE
89018065	X								12 VALVE
89018065	X								12 VALVE
12590866	11-917	354	94.00	1.20	1.50		2.50		24 VALVE
12590866	11-917	354	3.701	0.047	0.059		0.098		24 VALVE
12590866	11-917	354							VIN 7, 24 VALVE
12590866	11-917	354							24 VALVE
12590866	11-917	354							24 VALVE
12590866	11-917	354							24 VALVE
12590866	11-917	354							24 VALVE
12590866	11-917	354							24 VALVE
12590866	11-917	354							24 VALVE
12590866	11-917	354							24 VALVE
12590866	11-917	354							24 VALVE
12590866	11-917	354							24 VALVE
12590866	11-917	354							24 VALVE
12590866	11-917	354							24 VALVE
12590866	11-917	354							24 VALVE
12590866	11-917	354							24 VALVE
12590866	11-917	354							24 VALVE
12616971	X		94.00	1.20	1.50		2.50		LEFT, 24 VALVE
12616972	X		94.00	1.20	1.50		2.50		RIGHT, 24 VALVE
12616971	X		3.701	0.047	0.059		0.098		LEFT, 24 VALVE
12616972	X		3.701	0.047	0.059		0.098		RIGHT, 24 VALVE
12616971	X								LEFT, 24 VALVE
12616972	X								RIGHT, 24 VALVE
12616971	X								VIN V, LEFT, 24 VALVE
12616972	X								VIN V, RIGHT, 24 VALVE
12616971	X								VIN V, LEFT, 24 VALVE
12616972	X								VIN V, RIGHT, 24 VALVE
12616971	X								LEFT, 24 VALVE
12616972	X								RIGHT, 24 VALVE
12616971	X								LEFT, 24 VALVE
12616972	X								RIGHT, 24 VALVE
12616971	X								LEFT, 24 VALVE
12616972	X								RIGHT, 24 VALVE
12624949	X		94.00						LEFT, 24 VALVE
12624950	X		94.00						RIGHT, 24 VALVE
12624949	X		3.701	0.000	0.000		0.000		LEFT, 24 VALVE
12624950	X		3.701	0.000	0.000		0.000		RIGHT, 24 VALVE
12624949	X								LEFT, 24 VALVE
12624950	X								RIGHT, 24 VALVE
12624949	X								LEFT, 24 VALVE
12624950	X								RIGHT, 24 VALVE

U.S. APPLICATIONS

PISTON RINGS

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ENGINE SIZE			MODEL NAME	YEAR	C Y L	ENGINE CODE NUMBER	F.I. CARB DIESEL	O.H.V. S.O.H.C. D.O.H.C.	RING REFERENCE NUMBER	NOA PISTON RING #
cc	L	ci								

GMC, BUICK, CADILLAC, CHEVROLET, GEO

3564	3.6L	217	CTS	2012 - 2015	V6	Alloytec LFX	F.I.	D.O.H.C.	12644928	NA
3564	3.6L	217	CTS	2012 - 2015	V6	Alloytec LFX	F.I.	D.O.H.C.	12644928	NA
3564	3.6L	217	CTS SPORT WAGON	2012 - 2015	V6	Alloytec LFX	F.I.	D.O.H.C.	12644928	NA
3564	3.6L	217	CTS SPORT WAGON	2012 - 2015	V6	Alloytec LFX	F.I.	D.O.H.C.	12644928	NA
3564	3.6L	217	ENLCLAVE	2012 - 2015	V6	Alloytec LFX	F.I.	D.O.H.C.	12644928	NA
3564	3.6L	217	ENLCLAVE	2012 - 2015	V6	Alloytec LFX	F.I.	D.O.H.C.	12644928	NA
3564	3.6L	217	EQUINOX	2013 - 2015	V6	Alloytec LFX	F.I.	D.O.H.C.	12644928	NA
3564	3.6L	217	EQUINOX	2013 - 2015	V6	Alloytec LFX	F.I.	D.O.H.C.	12644928	NA
3564	3.6L	217	IMPALA	2012 - 2015	V6	Alloytec LFX	F.I.	D.O.H.C.	12644928	NA
3564	3.6L	217	IMPALA	2012 - 2015	V6	Alloytec LFX	F.I.	D.O.H.C.	12644928	NA
3564	3.6L	217	LaCrosse	2012 - 2015	V6	Alloytec LFX	F.I.	D.O.H.C.	12644928	NA
3564	3.6L	217	LaCrosse	2012 - 2015	V6	Alloytec LFX	F.I.	D.O.H.C.	12644928	NA
3564	3.6L	217	SRX	2013 - 2015	V6	Alloytec LFX	F.I.	D.O.H.C.	12644928	NA
3564	3.6L	217	SRX	2013 - 2015	V6	Alloytec LFX	F.I.	D.O.H.C.	12644928	NA
3564	3.6L	217	TERRAIN	2013 - 2015	V6	Alloytec LFX	F.I.	D.O.H.C.	12644928	NA
3564	3.6L	217	TERRAIN	2013 - 2015	V6	Alloytec LFX	F.I.	D.O.H.C.	12644928	NA
3564	3.6L	217	TERRAIN DENALI	2013 - 2015	V6	Alloytec LFX	F.I.	D.O.H.C.	12644928	NA
3564	3.6L	217	TERRAIN DENALI	2013 - 2015	V6	Alloytec LFX	F.I.	D.O.H.C.	12644928	NA
3564	3.6L	217	XTS	2013 - 2015	V6	Alloytec LFX	F.I.	D.O.H.C.	12644928	NA
3564	3.6L	217	XTS	2013 - 2015	V6	Alloytec LFX	F.I.	D.O.H.C.	12644928	NA
3564	3.6L	217	VUE HYBRID	2009 - 2010	V6	Alloytec LCS	F.I.	D.O.H.C.	12608615	SWG10039
3564	3.6L	217	XTS	2014 - 2015	V6	Alloytec LF3	F.I.	D.O.H.C.	12644928	NA
3564	3.6L	217	XTS	2014 - 2015	V6	Alloytec LF3	F.I.	D.O.H.C.	12644928	NA
3653	3.7L	223	CANYON	2007 - 2012	5	Vortec 3700 LLR	F.I.	D.O.H.C.	89018219	SWG10036
3653	3.7L	223	COLORADO	2007 - 2012	5	ATLAS LLR	F.I.	D.O.H.C.	89018219	SWG10036
3653	3.7L	223	H3	2007 - 2009	5	Vortec 3700 LLR	F.I.	D.O.H.C.	89018219	SWG10036
3653	3.7L	223	H3T	2007 - 2009	5	Vortec 3700 LLR	F.I.	D.O.H.C.	89018219	SWG10036
3753	3.8L	229	CABALLERO	1980 - 1984	V6	BUICK V6 LD5	CARB	O.H.V.	12518282	SWG10007
3753	3.8L	229	CAMARO	1980 - 1981	V6	BUICK V6 LD5	CARB	O.H.V.	12518282	SWG10007
3753	3.8L	229	CAPRICE	1980 - 1984	V6	BUICK V6 LD5	CARB	O.H.V.	12518282	SWG10007
3753	3.8L	229	EL CAMINO	1980 - 1982	V6	BUICK V6 LD5	CARB	O.H.V.	12518282	SWG10007
3753	3.8L	229	EL CAMINO	1983 - 1984	V6	BUICK V6 LD5	CARB	O.H.V.	12818282	SWG10007
3753	3.8L	229	IMPALA	1980 - 1982	V6	BUICK V6 LD5	CARB	O.H.V.	12518282	SWG10007
3753	3.8L	229	IMPALA	1983 - 1984	V6	BUICK V6 LD5	CARB	O.H.V.	12818282	SWG10007
3753	3.8L	229	MALIBU	1980 - 1983	V6	BUICK V6 LD5	CARB	O.H.V.	12518282	SWG10007
3753	3.8L	229	MONTE CARLO	1980 - 1984	V6	BUICK V6 LD5	CARB	O.H.V.	12518282	SWG10007
GMC, BUICK, CADILLAC, CHEVROLET, GEO, HUMMER, OLDSMOBILE, PONTIAC, SATURN - CONTINUED										

PISTONS

RED = NEW INFORMATION

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PISTON REFERENCE NUMBER	NOA PISTON #	HEAD PAGE #	DIA. mm	1 S T	2 N D	3 R D	O 1	O 2	REMARK
HUMMER, OLDSMOBILE, PONTIAC, SATURN									
12624949	X		94.00						VIN V, LEFT, 24 VALVE
12624950	X		94.00						VIN V, RIGHT, 24 VALVE
12624949	X		3.701	0.000	0.000		0.000		VIN V, LEFT, 24 VALVE
12624950	X		3.701	0.000	0.000		0.000		VIN V, RIGHT, 24 VALVE
12624949	X								LEFT, 24 VALVE
12624950	X								RIGHT, 24 VALVE
12624949	X								LEFT, 24 VALVE
12624950	X								RIGHT, 24 VALVE
12624949	X								LEFT, 24 VALVE
12624950	X								RIGHT, 24 VALVE
12624949	X								LEFT, 24 VALVE
12624950	X								RIGHT, 24 VALVE
12624949	X								LEFT, 24 VALVE
12624950	X								RIGHT, 24 VALVE
12624949	X								LEFT, 24 VALVE
12624950	X								RIGHT, 24 VALVE
12624949	X								LEFT, 24 VALVE
12624950	X								RIGHT, 24 VALVE
-	X		94.00	1.20	1.50		2.50		24 VALVE
			3.701	0.047	0.059		0.098		
-	X		94.00						w/ TWIN TURBO, LEFT, 24 VALVE
-	X		94.00						w/ TWIN TURBO, RIGHT, 24 VALVE
			3.701	0.000	0.000		0.000		
			3.701	0.000	0.000		0.000		
89018218	X		95.50	1.20	1.50		2.50		20 VALVE
89018218	X		3.760	0.047	0.059		0.098		20 VALVE
89018218	X								20 VALVE
89018218	X								20 VALVE
14019883	X		94.89	1.98	1.98		4.76		VIN-K
14019883	X		3.736	0.078	0.078		0.188		VIN-K
14019883	X								VIN-9
14019883	X								VIN-K
14019883	X								VIN-9
14019883	X								VIN-K
14019883	X								VIN-9
14019883	X								VIN-K
14019883	X								VIN-K
GMC, BUICK, CADILLAC, CHEVROLET, GEO, HUMMER, OLDSMOBILE, PONTIAC, SATURN - CONTINUED									

U.S. APPLICATIONS

PISTON RINGS

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ENGINE SIZE			MODEL NAME	YEAR	C Y L	ENGINE CODE NUMBER	F.I. CARB DIESEL	O.H.V. S.O.H.C. D.O.H.C.	RING REFERENCE NUMBER	NOA PISTON RING #
cc	L	ci								
GMC, BUICK, CADILLAC, CHEVROLET, GEO										
3785	3.8L	231	BONNEVILLE	1993 - 1994	V6	BUICK V6 L27	F.I.	O.H.V.	24502947	SWG10006
3785	3.8L	231	EIGHTY EIGHT	1993 - 1994	V6	BUICK V6 L27	F.I.	O.H.V.	24502947	SWG10006
3785	3.8L	231	LeSabre	1994 - 1995	V6	BUICK V6 L27	F.I.	O.H.V.	24502947	SWG10006
3785	3.8L	231	LUMINA APV	1994 - 1995	V6	BUICK V6 L27	F.I.	O.H.V.	24502947	SWG10006
3785	3.8L	231	NINETY EIGHT	1993 - 1994	V6	BUICK V6 L27	F.I.	O.H.V.	24502947	SWG10006
3785	3.8L	231	PARK AVENUE	1994 ONLY	V6	BUICK V6 L27	F.I.	O.H.V.	24502947	SWG10006
3785	3.8L	231	REGAL	1994 - 1995	V6	BUICK V6 L27	F.I.	O.H.V.	24502947	SWG10006
3785	3.8L	231	SILHOUETTE	1994 - 1995	V6	BUICK V6 L27	F.I.	O.H.V.	24502947	SWG10006
3785	3.8L	231	TRANS SPORT	1994 - 1995	V6	BUICK V6 L27	F.I.	O.H.V.	24502947	SWG10006
3785	3.8L	231	LaCrosse	2005 - 2009	V6	BUICK V6 L26	F.I.	O.H.V.	12480825	SWG10003
3785	3.8L	231	LUCERNE	2006 - 2008	V6	BUICK V6 L26	F.I.	O.H.V.	12480825	SWG10003
3791	3.8L	231	BONNEVILLE	1995 - 1998	V6	BUICK V6 L36	F.I.	O.H.V.	12537410	SWG10003
3791	3.8L	231	BONNEVILLE	1999 - 2003	V6	BUICK V6 L36	F.I.	O.H.V.	12480825	SWG10003
3791	3.8L	231	CAMARO	1995 - 2002	V6	BUICK V6 L36	F.I.	O.H.V.	12480825	SWG10003
3791	3.8L	231	EIGHTY EIGHT	1995 - 1998	V6	BUICK V6 L36	F.I.	O.H.V.	12537410	SWG10003
3791	3.8L	231	EIGHTY EIGHT	1999 ONLY	V6	BUICK V6 L36	F.I.	O.H.V.	12480825	SWG10003
3791	3.8L	231	FIREBIRD	1995 - 1998	V6	BUICK V6 L36	F.I.	O.H.V.	12537410	SWG10003
3791	3.8L	231	FIREBIRD	1999 - 2002	V6	BUICK V6 L36	F.I.	O.H.V.	12480825	SWG10003
3791	3.8L	231	GRAND PRIX	1997 - 2008	V6	BUICK V6 L36	F.I.	O.H.V.	12480825	SWG10003
3791	3.8L	231	IMPALA	2000 - 2006	V6	BUICK V6 L36	F.I.	O.H.V.	12480825	SWG10003
3791	3.8L	231	INTRIGUE	1998 ONLY	V6	BUICK V6 L36	F.I.	O.H.V.	12537410	SWG10003
3791	3.8L	231	INTRIGUE	1999 ONLY	V6	BUICK V6 L36	F.I.	O.H.V.	12480825	SWG10003
3791	3.8L	231	LeSabre	1996 - 1998	V6	BUICK V6 L36	F.I.	O.H.V.	12537410	SWG10003
3791	3.8L	231	LeSabre	1999 - 2006	V6	BUICK V6 L36	F.I.	O.H.V.	12480825	SWG10003
3791	3.8L	231	LSS	1996 - 1998	V6	BUICK V6 L36	F.I.	O.H.V.	12537410	SWG10003
3791	3.8L	231	LSS	1999 ONLY	V6	BUICK V6 L36	F.I.	O.H.V.	12480825	SWG10003
3791	3.8L	231	LUMINA	1998 ONLY	V6	BUICK V6 L36	F.I.	O.H.V.	12537410	SWG10003
3791	3.8L	231	LUMINA	1999 ONLY	V6	BUICK V6 L36	F.I.	O.H.V.	12480825	SWG10003
3791	3.8L	231	MONTE CARLO	1998 ONLY	V6	BUICK V6 L36	F.I.	O.H.V.	12537410	SWG10003
3791	3.8L	231	MONTE CARLO	1999 - 2005	V6	BUICK V6 L36	F.I.	O.H.V.	12480825	SWG10003
3791	3.8L	231	NINETY EIGHT	1995 - 1996	V6	BUICK V6 L36	F.I.	O.H.V.	12537410	SWG10003
3791	3.8L	231	PARK AVENUE	1995 - 1998	V6	BUICK V6 L36	F.I.	O.H.V.	12537410	SWG10003
3791	3.8L	231	PARK AVENUE	1999 - 2005	V6	BUICK V6 L36	F.I.	O.H.V.	12480825	SWG10003
3791	3.8L	231	REGAL	1996 - 1998	V6	BUICK V6 L36	F.I.	O.H.V.	12537410	SWG10003
3791	3.8L	231	REGAL	1999 - 2004	V6	BUICK V6 L36	F.I.	O.H.V.	12480825	SWG10003
3791	3.8L	231	REGENCY	1997 - 1998	V6	BUICK V6 L36	F.I.	O.H.V.	12537410	SWG10003
3791	3.8L	231	RIVIERA	1996 ONLY	V6	BUICK V6 L36	F.I.	O.H.V.	12537410	SWG10003
3791	3.8L	231	ROYALE	1995 ONLY	V6	BUICK V6 L36	F.I.	O.H.V.	12537410	SWG10003
3791	3.8L	231	BONNEVILLE	1996 - 1998	V6	BUICK V6 L67	F.I.	O.H.V.	12537410	SWG10003
3791	3.8L	231	BONNEVILLE	1999 - 2006	V6	BUICK V6 L67	F.I.	O.H.V.	12480825	SWG10003
3791	3.8L	231	GRAND PRIX	1997 - 2008	V6	BUICK V6 L67	F.I.	O.H.V.	12537410	SWG10003
3791	3.8L	231	IMPALA	2004 - 2005	V6	BUICK V6 L67	F.I.	O.H.V.	12480825	SWG10003
									SWG10003 CONTINUED	
GMC, BUICK, CADILLAC, CHEVROLET, GEO, HUMMER, OLDSMOBILE, PONTIAC, SATURN - CONTINUED										

PISTONS

RED = NEW INFORMATION

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PISTON REFERENCE NUMBER	NOA PISTON #	HEAD PAGE #	DIA. mm	1	2	3	O	O	REMARK
				S	N	R	1	2	
HUMMER, OLDSMOBILE, PONTIAC, SATURN									
12537200	X		96.50	1.20	1.50		3.00		Normally Aspirated, 12 VALVE
12537200	X		3.799	0.047	0.059		0.118		Normally Aspirated, 12 VALVE
12537200	X								Normally Aspirated, 12 VALVE
12537200	X								Normally Aspirated, 12 VALVE
12537200	X								Normally Aspirated, 12 VALVE
12537200	X								Normally Aspirated, 12 VALVE
12537200	X								Normally Aspirated, 12 VALVE
12537200	X								Normally Aspirated, 12 VALVE
89017810	X		96.52	1.20	1.50		2.00		Normally Aspirated, 12 VALVE
89017810	X		3.800	0.047	0.059		0.079		Normally Aspirated, 12 VALVE
12537408	11-888	346	96.52	1.20	1.50		2.00		Normally Aspirated, 12 VALVE
12537408	11-888	346	3.800	0.047	0.059		0.079		Normally Aspirated, 12 VALVE
12537408	11-888	346							Normally Aspirated, 12 VALVE
12537408	11-888	346							Normally Aspirated, 12 VALVE
12537408	11-888	346							Normally Aspirated, 12 VALVE
12537408	11-888	346							Normally Aspirated, 12 VALVE
12537408	11-888	346							Normally Aspirated, 12 VALVE
12537408	11-888	346							Normally Aspirated, 12 VALVE
12537408	11-888	346							Normally Aspirated, 12 VALVE
12537408	11-888	346							Normally Aspirated, 12 VALVE
12537408	11-888	346							Normally Aspirated, 12 VALVE
12537408	11-888	346							Normally Aspirated, 12 VALVE
12537408	11-888	346							Normally Aspirated, 12 VALVE
12537408	11-888	346							Normally Aspirated, 12 VALVE
12537408	11-888	346							Normally Aspirated, 12 VALVE
12537408	11-888	346							Normally Aspirated, 12 VALVE
12537408	11-888	346							Normally Aspirated, 12 VALVE
12537408	11-888	346							Normally Aspirated, 12 VALVE
12537408	11-888	346							Normally Aspirated, 12 VALVE
12537408	11-888	346							Normally Aspirated, 12 VALVE
12537408	11-888	346							Normally Aspirated, 12 VALVE
12537408	11-888	346							Normally Aspirated, 12 VALVE
12537408	11-888	346							Normally Aspirated, 12 VALVE
12537408	11-888	346							Normally Aspirated, 12 VALVE
12537408	11-888	346							Normally Aspirated, 12 VALVE
12539085	11-888	346	96.52	1.20	1.50		2.00		Supercharger, 12 VALVE
12539085	11-888	346	3.800	0.047	0.059		0.079		Supercharger, 12 VALVE
12539085	11-888	346							Supercharger, 12 VALVE
12539085	11-888	346							Supercharger, 12 VALVE
11-888 CONTINUED									
GMC, BUICK, CADILLAC, CHEVROLET, GEO, HUMMER, OLDSMOBILE, PONTIAC, SATURN - CONTINUED									

U.S. APPLICATIONS

PISTON RINGS

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RED = NEW INFORMATION

ENGINE SIZE			MODEL NAME	YEAR	CYL	ENGINE CODE NUMBER	F.I. CARB DIESEL	O.H.V. S.O.H.C. D.O.H.C.	RING REFERENCE NUMBER	NOA PISTON RING #
cc	L	ci								
GMC, BUICK, CADILLAC, CHEVROLET, GEO										
3791	3.8L	231	LSS	1996 - 1998	V6	BUICK V6 L67	F.I.	O.H.V.	12537410	SWG10003
3791	3.8L	231	LSS	1999 ONLY	V6	BUICK V6 L67	F.I.	O.H.V.	12480825	SWG10003
3791	3.8L	231	PARK AVENUE	1996 - 1998	V6	BUICK V6 L67	F.I.	O.H.V.	12537410	SWG10003
3791	3.8L	231	PARK AVENUE	1999 - 2005	V6	BUICK V6 L67	F.I.	O.H.V.	12480825	SWG10003
3791	3.8L	231	REGAL	1997 - 1998	V6	BUICK V6 L67	F.I.	O.H.V.	12537410	SWG10003
3791	3.8L	231	REGAL	1999 - 2004	V6	BUICK V6 L67	F.I.	O.H.V.	12480825	SWG10003
3791	3.8L	231	RIVIERA	1996 - 1998	V6	BUICK V6 L67	F.I.	O.H.V.	12537410	SWG10003
3791	3.8L	231	RIVIERA	1999 ONLY	V6	BUICK V6 L67	F.I.	O.H.V.	12480825	SWG10003
3791	3.8L	231	BONNEVILLE	1994 - 1995	V6	BUICK V6 L67	F.I.	O.H.V.	24502947	SWG10006
3791	3.8L	231	EIGHTY EIGHT	1995 ONLY	V6	BUICK V6 L67	F.I.	O.H.V.	24502947	SWG10006
3791	3.8L	231	NINETY EIGHT	1994 - 1995	V6	BUICK V6 L67	F.I.	O.H.V.	24502947	SWG10006
3791	3.8L	231	PARK AVENUE	1994 - 1995	V6	BUICK V6 L67	F.I.	O.H.V.	24502947	SWG10006
3791	3.8L	231	RIVIERA	1995 ONLY	V6	BUICK V6 L67	F.I.	O.H.V.	24502947	SWG10006
3880	3.9L	237	G6	2006 - 2009	V6	High Value LZ9	F.I.	O.H.V.	89018067	SWG80056
3880	3.9L	237	IMPALA	2007 - 2011	V6	High Value LZ8	F.I.	O.H.V.	89018067	SWG80056
3880	3.9L	237	LUCERNE	2009 - 2011	V6	High Value LZ9	F.I.	O.H.V.	89018067	SWG80056
3880	3.9L	237	MALIBU	2007 - 2008	V6	High Value LZ9	F.I.	O.H.V.	89018067	SWG80056
3880	3.9L	237	MALIBU MAXX	2007 - 2008	V6	High Value LZ9	F.I.	O.H.V.	89018067	SWG80056
3880	3.9L	237	MONTE CARLO	2006 ONLY	V6	High Value LZ9	F.I.	O.H.V.	89018067	SWG80056
3880	3.9L	237	RELAY	2006 - 2008	V6	High Value LZ9	F.I.	O.H.V.	89018067	SWG80056
3880	3.9L	237	UPLANDER	2006 - 2009	V6	High Value LZ9	F.I.	O.H.V.	89018067	SWG80056
3880	3.9L	237	TERRAZA	2006 - 2008	V6	High Value LGD	F.I.	O.H.V.	89018067	SWG80056
3880	3.9L	237	UPLANDER	2007 - 2009	V6	High Value LGD	F.I.	O.H.V.	89018067	SWG80056
3995	4.0L	244	AURORA	1995 ONLY	V8	Northstar L47	F.I.	D.O.H.C.	3546717	SWG10017
3995	4.0L	244	AURORA	1996 - 1999	V8	Northstar L47	F.I.	D.O.H.C.	12555219	SWG10015
3995	4.0L	244	AURORA	2001 - 2003	V8	Northstar L47	F.I.	D.O.H.C.	12564802	SWG10015*
4294	4.3L	262	ASTRO	1995 - 2006	V6	Vortec 4300 LF6	F.I.	O.H.V.	12522848	SWI10196
4294	4.3L	262	BLAZER	1995 - 2006	V6	Vortec 4300 LF6	F.I.	O.H.V.	12522848	SWI10196
4294	4.3L	262	BRAVADA	1996 - 2001	V6	Vortec 4300 LF6	F.I.	O.H.V.	12522848	SWI10196
4294	4.3L	262	CHEVY Express	1996 - 2002	V6	Vortec 4300 LF6	F.I.	O.H.V.	12522848	SWI10196
4294	4.3L	262	CHEVY VAN	1995 - 1998	V6	Vortec 4300 LF6	F.I.	O.H.V.	12522848	SWI10196
4294	4.3L	262	EXPRESS G1500	1996 - 2005	V6	Vortec 4300 LF6	F.I.	O.H.V.	12522848	SWI10196
4294	4.3L	262	JIMMY	1995 - 2001	V6	Vortec 4300 LF6	F.I.	O.H.V.	12522848	SWI10196
4294	4.3L	262	PICKUP (Chev)	1995 - 1998	V6	Vortec 4300 LF6	F.I.	O.H.V.	12522848	SWI10196
4294	4.3L	262	PICKUP (GMC)	1995 - 1998	V6	Vortec 4300 LF6	F.I.	O.H.V.	12522848	SWI10196
SWG10196 CONTINUED										
GMC, BUICK, CADILLAC, CHEVROLET, GEO, HUMMER, OLDSMOBILE, PONTIAC, SATURN - CONTINUED										

PISTONS

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PISTON REFERENCE NUMBER	NOA PISTON #	HEAD PAGE #	DIA. mm	1 S T	2 N D	3 R D	O 1	O 2	REMARK
HUMMER, OLDSMOBILE, PONTIAC, SATURN									
12539085	11-888	346							Supercharger, 12 VALVE
12539085	11-888	346							Supercharger, 12 VALVE
12539085	11-888	346							Supercharger, 12 VALVE
12539085	11-888	346							Supercharger, 12 VALVE
12539085	11-888	346							Supercharger, 12 VALVE
12539085	11-888	346							Supercharger, 12 VALVE
12539085	11-888	346							Supercharger, 12 VALVE
12539085	11-888	346							Supercharger, 12 VALVE
24503974	X		96.50	1.20	1.50		3.00		Supercharger, 12 VALVE
24503974	X		3.799	0.047	0.059		0.118		Supercharger, 12 VALVE
24503974	X								Supercharger, 12 VALVE
24503974	X								Supercharger, 12 VALVE
24503974	X								Supercharger, 12 VALVE
89018066	X		99.00	1.20	1.50		2.50		12 VALVE
89018066	X		3.898	0.047	0.059		0.098		12 VALVE
89018066	X								12 VALVE
89018066	X								12 VALVE
89018066	X								12 VALVE
89018066	X								12 VALVE
89018066	X								12 VALVE
89018066	X								12 VALVE
-	X		99.00	1.20	1.50		2.50		12 VALVE
-	X		3.898	0.047	0.059		0.098		12 VALVE
12552632	X		87.00	1.50	1.50		3.00		32 VALVE
			3.425	0.059	0.059		0.118		
12555218	X		87.00	1.20	1.50		3.00		32 VALVE
			3.425	0.047	0.059		0.118		
12564800	X		87.00	1.20	1.50		3.00		32 VALVE
			3.425	0.047	0.059		0.118		
12522850	11-827	332	101.60	1.50	1.50		3.00		12 VALVE
12522850	11-827	332	4.000	0.059	0.059		0.118		12 VALVE
12522850	11-827	332							12 VALVE
12522850	11-827	332							12 VALVE
12522850	11-827	332							12 VALVE
12522850	11-827	332							12 VALVE
12522850	11-827	332							12 VALVE
12522850	11-827	332							12 VALVE
12522850	11-827	332							12 VALVE
12522850	11-827	332							12 VALVE
11-827 CONTINUED									
GMC, BUICK, CADILLAC, CHEVROLET, GEO, HUMMER, OLDSMOBILE, PONTIAC, SATURN - CONTINUED									

U.S. APPLICATIONS

PISTON RINGS

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RED = NEW INFORMATION

ENGINE SIZE			MODEL NAME	YEAR	CYL	ENGINE CODE NUMBER	F.I. CARB DIESEL	O.H.V. S.O.H.C. D.O.H.C.	RING REFERENCE NUMBER	NOA PISTON RING #
cc	L	ci								
GMC, BUICK, CADILLAC, CHEVROLET, GEO										
4294	4.3L	262	RALLY	1995 ONLY	V6	Vortec 4300 LF6	F.I.	O.H.V.	12522848	SWI10196
4294	4.3L	262	S-10 PICKUP	1995 - 2003	V6	Vortec 4300 LF6	F.I.	O.H.V.	12522848	SWI10196
4294	4.3L	262	SAFARI	1995 - 2005	V6	Vortec 4300 LF6	F.I.	O.H.V.	12522848	SWI10196
4294	4.3L	262	SAVANA G1500	1996 - 2005	V6	Vortec 4300 LF6	F.I.	O.H.V.	12522848	SWI10196
4294	4.3L	262	SONOMA	1995 - 2002	V6	Vortec 4300 LF6	F.I.	O.H.V.	12522848	SWI10196
4294	4.3L	262	SPORTVAN	1995 ONLY	V6	Vortec 4300 LF6	F.I.	O.H.V.	12522848	SWI10196
4294	4.3L	262	VANDURA	1995 ONLY	V6	Vortec 4300 LF6	F.I.	O.H.V.	12522848	SWI10196
4294	4.3L	262	SIERRA 1500	1999 - 2003	V6	Vortec 4300 L35	F.I.	O.H.V.	12522848	SWI10196
4294	4.3L	262	SILVERADO 1500	1999 - 2003	V6	Vortec 4300 L35	F.I.	O.H.V.	12522848	SWI10196
4294	4.3L	262	ENVOY	1998 - 2000	V6	Vortec 4300 LU3	F.I.	O.H.V.	12522848	SWI10196
4294	4.3L	262	EXPRESS G1500	2006 - 2013	V6	Vortec 4300 LU3	F.I.	O.H.V.	12522848	SWI10196
4294	4.3L	262	SAVANA G1500	2006 - 2013	V6	Vortec 4300 LU3	F.I.	O.H.V.	12522848	SWI10196
4294	4.3L	262	SIERRA 1500	2003 - 2006	V6	Vortec 4300 LU3	F.I.	O.H.V.	12522848	SWI10196
4294	4.3L	262	SILVERADO 1500	2003 - 2006	V6	Vortec 4300 LU3	F.I.	O.H.V.	12522848	SWI10196
4294	4.3L	262	S-10 BLAZER	1988 - 1993	V6	Vortec 4300 LB4	F.I.	O.H.V.	14059025	SWF80017
4294	4.3L	262	S-10 PICKUP	1988 - 1994	V6	Vortec 4300 LB4	F.I.	O.H.V.	14059025	SWF80017
4294	4.3L	262	S-15 JIMMY	1986 - 1991	V6	Vortec 4300 LB4	F.I.	O.H.V.	14059025	SWF80017
4294	4.3L	262	S-15 PICKUP	1986 - 1990	V6	Vortec 4300 LB4	F.I.	O.H.V.	14059025	SWF80017
4294	4.3L	262	ASTRO	1985 - 1991	V6	Vortec 4300 LB4	F.I.	O.H.V.	14089025	SWF80017
4294	4.3L	262	BONNEVILLE	1986 ONLY	V6	Vortec 4300 LB4	F.I.	O.H.V.	14089025	SWF80017
4294	4.3L	262	BRAVADA	1991 - 1992	V6	Vortec 4300 LB4	F.I.	O.H.V.	14089025	SWF80017
4294	4.3L	262	CABALLERO	1985 - 1987	V6	Vortec 4300 LB4	F.I.	O.H.V.	14089025	SWF80017
4294	4.3L	262	CAPRICE	1985 - 1988	V6	Vortec 4300 LB4	F.I.	O.H.V.	14089025	SWF80017
4294	4.3L	262	CAPRICE	1993 ONLY	V6	Vortec 4300 LB4	F.I.	O.H.V.	14089025	SWF80017
4294	4.3L	262	CHEVY VAN	1985 - 1991	V6	Vortec 4300 LB4	F.I.	O.H.V.	14089025	SWF80017
4294	4.3L	262	EL CAMINO	1985 - 1987	V6	Vortec 4300 LB4	F.I.	O.H.V.	14089025	SWF80017
4294	4.3L	262	GRAND PRIX	1986 - 1987	V6	Vortec 4300 LB4	F.I.	O.H.V.	14089025	SWF80017
4294	4.3L	262	IMPALA	1985 ONLY	V6	Vortec 4300 LB4	F.I.	O.H.V.	14089025	SWF80017
4294	4.3L	262	MONTE CARLO	1985 - 1988	V6	Vortec 4300 LB4	F.I.	O.H.V.	14089025	SWF80017
4294	4.3L	262	PARISIENNE	1984 - 1986	V6	Vortec 4300 LB4	F.I.	O.H.V.	14089025	SWF80017
4294	4.3L	262	SONOMA	1992 - 1993	V6	Vortec 4300 LB4	F.I.	O.H.V.	14089025	SWF80017
4294	4.3L	262	SYCLONE	1991 - 1992	V6	Vortec 4300 LB4	F.I.	O.H.V.	14089025	SWF80017
4294	4.3L	262	TYPHOON	1992 - 1993	V6	Vortec 4300 LB4	F.I.	O.H.V.	14089025	SWF80017
4294	4.3L	262	ASTRO	1992 - 1994	V6	Vortec 4300 LB4	F.I.	O.H.V.	12507985	SWF80017
4294	4.3L	262	JIMMY	1994 ONLY	V6	Vortec 4300 LB4	F.I.	O.H.V.	12507985	SWF80017
4294	4.3L	262	PICKUP (Chev)	1985 - 1994	V6	Vortec 4300 LB4	F.I.	O.H.V.	12507985	SWF80017
4294	4.3L	262	PICKUP (GMC)	1985 - 1991	V6	Vortec 4300 LB4	F.I.	O.H.V.	12507985	SWF80017
4294	4.3L	262	PICKUP (GMC)	1992 - 1993	V6	Vortec 4300 LB4	F.I.	O.H.V.	12507985	SWF80017
4294	4.3L	262	PICKUP (GMC)	1994 ONLY	V6	Vortec 4300 LB4	F.I.	O.H.V.	12507985	SWF80017
4294	4.3L	262	RALLY	1985 - 1991	V6	Vortec 4300 LB4	F.I.	O.H.V.	12507985	SWF80017
4294	4.3L	262	RALLY	1992 - 1994	V6	Vortec 4300 LB4	F.I.	O.H.V.	12507985	SWF80017
									SWF80017 CONTINUED	
GMC, BUICK, CADILLAC, CHEVROLET, GEO, HUMMER, OLDSMOBILE, PONTIAC, SATURN - CONTINUED										

PISTONS

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PISTON REFERENCE NUMBER	NOA PISTON #	HEAD PAGE #	DIA. mm	1 S T	2 N D	3 R D	O 1	O 2	REMARK
HUMMER, OLDSMOBILE, PONTIAC, SATURN									
12522850	11-827	332							12 VALVE
12522850	11-827	332							12 VALVE
12522850	11-827	332							12 VALVE
12522850	11-827	332							12 VALVE
12522850	11-827	332							12 VALVE
12522850	11-827	332							12 VALVE
12522850	11-827	332							12 VALVE
12522850	11-827	332	101.60	1.50	1.50		3.00		12 VALVE
12522850	11-827	332	4.000	0.059	0.059		0.118		12 VALVE
12522850	11-827	332	101.60	1.50	1.50		3.00		12 VALVE
88894280	11-827	332	4.000	0.059	0.059		0.118		12 VALVE
88894280	11-827	332							12 VALVE
88894280	11-827	332							12 VALVE
88894280	11-827	332							12 VALVE
12514101	X		101.60	1.98	1.98		4.76		VIN-Z, 12 VALVE
12514101	X		4.000	0.078	0.078		0.188		VIN-Z, 12 VALVE
12514101	X								VIN-Z, 12 VALVE
12514101	X								VIN-Z, 12 VALVE
12514101	X								VIN-B, Z, 12 VALVE
12514101	X								12 VALVE
12514101	X								VIN-Z, 12 VALVE
12514101	X								12 VALVE
12514101	X								12 VALVE
12514102	X								12 VALVE
12514101	X								12 VALVE
12514101	X								12 VALVE
12514101	X								12 VALVE
12514101	X								12 VALVE
12514101	X								12 VALVE
12514101	X								12 VALVE
12514101	X								12 VALVE
12514101	X								12 VALVE
12514101	X								12 VALVE
12514101	X								12 VALVE
12514101	X								12 VALVE
12514101	X								12 VALVE
12514101	X								12 VALVE
12514101	X		101.60	1.98	1.98		4.76		VIN-Z, 12 VALVE
12514101	X		4.000	0.078	0.078		0.188		VIN-Z, 12 VALVE
12514101	X								K10, 12 VALVE
12514101	X								12 VALVE
12514103	X								12 VALVE
12514101	X								12 VALVE
12514101	X								12 VALVE
12514103	X								12 VALVE
GMC, BUICK, CADILLAC, CHEVROLET, GEO, HUMMER, OLDSMOBILE, PONTIAC, SATURN - CONTINUED									

U.S. APPLICATIONS

PISTON RINGS

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ENGINE SIZE			MODEL NAME	YEAR	CYL	ENGINE CODE NUMBER	F.I. CARB DIESEL	O.H.V. S.O.H.C. D.O.H.C.	RING REFERENCE NUMBER	NOA PISTON RING #
cc	L	ci								

GMC, BUICK, CADILLAC, CHEVROLET, GEO

4294	4.3L	262	S-10 BLAZER	1994 ONLY	V6	Vortec 4300 LB4	F.I.	O.H.V.	12507985	SWF80017
4294	4.3L	262	SAFARI	1985 - 1994	V6	Vortec 4300 LB4	F.I.	O.H.V.	12507985	SWF80017
4294	4.3L	262	SONOMA	1994 ONLY	V6	Vortec 4300 LB4	F.I.	O.H.V.	12507985	SWF80017
4294	4.3L	262	SPORTVAN	1985 - 1994	V6	Vortec 4300 LB4	F.I.	O.H.V.	12507985	SWF80017
4294	4.3L	262	VANDURA	1985 - 1994	V6	Vortec 4300 LB4	F.I.	O.H.V.	12507985	SWF80017
4294	4.3L	262	VANDURA	1992 - 1993	V6	Vortec 4300 LB4	F.I.	O.H.V.	12507985	SWF80017
4294	4.3L	262	JIMMY	1992 - 1993	V6	Vortec 4300 LB4	F.I.	O.H.V.	88894219	SWF80017
4294	4.3L	262	SONOMA	1991 - 1993	V6	Vortec 4300 LB4	F.I.	O.H.V.	88894219	SWF80017
4294	4.3L	262	CHEVY VAN	1992 - 1995	V6	Vortec 4300 LG3*	F.I.	O.H.V.	88894219	SWF80017
4294	4.3L	262	PICKUP (Chev)	1992 - 1994	V6	Vortec 4300 LG3*	F.I.	O.H.V.	14089025	SWF80017
4294	4.3L	262	PICKUP (GMC)	1994 ONLY	V6	Vortec 4300 LG3*	F.I.	O.H.V.	12507985	SWF80017
4294	4.3L	262	RALLY	1994 ONLY	V6	Vortec 4300 LG3*	F.I.	O.H.V.	12507985	SWF80017
4294	4.3L	262	SPORTVAN	1992 - 1994	V6	Vortec 4300 LG3*	F.I.	O.H.V.	12507985	SWF80017
4294	4.3L	262	VANDURA	1994 ONLY	V6	Vortec 4300 LG3*	F.I.	O.H.V.	12507985	SWF80017
4294	4.3L	262	JIMMY	1992 - 1993	V6	Vortec 4300 LB4T	F.I.	O.H.V.	14089025	SWF80017
4294	4.3L	262	SONOMA	1992 - 1993	V6	Vortec 4300 LB4T	F.I.	O.H.V.	14089025	SWF80017
4301	4.3L	262	EXPRESS G1500	2014 - 2015	V6	ECOTEC3 LV3	F.I.	O.H.V.	-	NA
4301	4.3L	262	SAVANA G1500	2014 - 2015	V6	ECOTEC3 LV3	F.I.	O.H.V.	-	NA
4301	4.3L	262	SIERRA 1500	2013 - 2015	V6	ECOTEC3 LV3	F.I.	O.H.V.	-	NA
4301	4.3L	262	SILVERADO 1500	2013 - 2015	V6	ECOTEC3 LV3	F.I.	O.H.V.	-	NA
4343	4.3L	265	CAPRICE	1994 - 1996	V8	LT1 4.3 L99	F.I.	O.H.V.	12518282	SWG10007 8CYL
4371	4.4L	267	STS	2006 - 2009	V8	Northstar LC3	F.I.	D.O.H.C.	89017770	NA
4371	4.4L	267	XLR	2006 - 2009	V8	Northstar LC3	F.I.	D.O.H.C.	89017770	NA
4474	4.5L	273	DEVILLE	1988 - 1989	V8	HT-4500	F.I.	O.H.V.	1645491	SWG10002
4474	4.5L	273	ELDORADO	1988 - 1989	V8	HT-4500	F.I.	O.H.V.	1645491	SWG10002
4474	4.5L	273	FLEETWOOD	1988 - 1989	V8	HT-4500	F.I.	O.H.V.	1645491	SWG10002
4474	4.5L	273	SEVILLE	1988 - 1989	V8	HT-4500	F.I.	O.H.V.	1645491	SWG10002
4474	4.5L	273	ALLANTE	1989 - 1992	V8	HT-4500	F.I.	O.H.V.	1645491	SWG10002
4474	4.5L	273	DEVILLE	1990 - 1993	V8	HT-4500	F.I.	O.H.V.	1645491	SWG10002
4474	4.5L	273	ELDORADO	1990 - 1993	V8	HT-4500	F.I.	O.H.V.	1645491	SWG10002
4474	4.5L	273	FLEETWOOD	1990 - 1993	V8	HT-4500	F.I.	O.H.V.	1645491	SWG10002
4474	4.5L	273	SEVILLE	1990 - 1993	V8	HT-4500	F.I.	O.H.V.	1645491	SWG10002
4605	4.6L	281	ALLANTE	1993 ONLY	V8	Northstar L37	F.I.	D.O.H.C.	3543903	SWG10008
4605	4.6L	281	DEVILLE	1994 - 1995	V8	Northstar L37	F.I.	D.O.H.C.	3543903	SWG10008
4605	4.6L	281	ELDORADO	1994 - 1995	V8	Northstar L37	F.I.	D.O.H.C.	3543903	SWG10008
4605	4.6L	281	SEVILLE	1994 - 1995	V8	Northstar L37	F.I.	D.O.H.C.	3543903	SWG10008

GMC, BUICK, CADILLAC, CHEVROLET, GEO, HUMMER, OLDSMOBILE, PONTIAC, SATURN - CONTINUED

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PISTON REFERENCE NUMBER	NOA PISTON #	HEAD PAGE #	DIA. mm	1 S T	2 N D	3 R D	O 1	O 2	REMARK
HUMMER, OLDSMOBILE, PONTIAC, SATURN									
12514101	X		101.60	1.98	1.98		4.76		VIN-Z, 12 VALVE
12514101	X		4.000	0.078	0.078		0.188		VIN-Z, 12 VALVE
12514101	X								VIN-Z, 12 VALVE
12514101	X								K10, 12 VALVE
12514101	X								12 VALVE
12514103	X								12 VALVE
12514101	X		101.60	1.98	1.98		4.76		VIN-Z, 12 VALVE
12514101	X		4.000	0.078	0.078		0.188		VIN-Z, 12 VALVE
10159430	X		101.60	1.98	1.98		4.76		12 VALVE
10159430	X		4.000	0.078	0.078		0.188		12 VALVE
10159430	X								12 VALVE
10159430	X								12 VALVE
10159430	X								12 VALVE
10159430	X								12 VALVE
12508702	X		101.60	1.98	1.98		4.76		w/ TURBO, VIN-Z
12508702	X		4.000	0.078	0.078		0.188		w/ TURBO, VIN-Z
-	X		99.60						12 VALVE
-	X		3.921	0.000	0.000		0.000		12 VALVE
-	X								12 VALVE
-	X								12 VALVE
12528891	X		94.90	2.00	2.00		4.76		16 VALVE
			3.736	0.079	0.079		0.187		
89018063	X		90.93						Supercharger, 32 VALVE
89018063	X		3.580	0.000	0.000		0.000		Supercharger, 32 VALVE
1645490	X		92.00	1.50	1.50		3.00		16 VALVE
1645490	X		3.622	0.059	0.059		0.118		16 VALVE
1645490	X								16 VALVE
1645490	X								16 VALVE
3534204	X		92.00	1.50	1.50		3.00		16 VALVE
3534204	X		3.622	0.059	0.059		0.118		16 VALVE
3534204	X								16 VALVE
3534204	X								16 VALVE
3534204	X								16 VALVE
12553805	X		93.00	1.50	1.50		3.00		32 VALVE
12553805	X		3.661	0.059	0.059		0.118		32 VALVE
12553805	X								32 VALVE
12553805	X								32 VALVE
GMC, BUICK, CADILLAC, CHEVROLET, GEO, HUMMER, OLDSMOBILE, PONTIAC, SATURN - CONTINUED									

U.S. APPLICATIONS

PISTON RINGS

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ENGINE SIZE			MODEL NAME	YEAR	CYL	ENGINE CODE NUMBER	F.I. CARB DIESEL	O.H.V. S.O.H.C. D.O.H.C.	RING REFERENCE NUMBER	NOA PISTON RING #
cc	L	ci								
GMC, BUICK, CADILLAC, CHEVROLET, GEO										
4605	4.6L	281	DEVILLE	1996 - 1999	V8	Northstar L37	F.I.	D.O.H.C.	12555217	SWG10013
4605	4.6L	281	ELDORADO	1996 - 1999	V8	Northstar L37	F.I.	D.O.H.C.	12555217	SWG10013
4605	4.6L	281	SEVILLE	1996 - 1999	V8	Northstar L37	F.I.	D.O.H.C.	12555217	SWG10013
4605	4.6L	281	DEVILLE	2000 - 2004	V8	Northstar L37	F.I.	D.O.H.C.	12564801	SWG10011
4605	4.6L	281	ELDORADO	2000 - 2002	V8	Northstar L37	F.I.	D.O.H.C.	12564801	SWG10011
4605	4.6L	281	SEVILLE	2000 - 2005	V8	Northstar L37	F.I.	D.O.H.C.	12564801	SWG10011
4818	4.8L	294	CUTAWAY G3500	2005 - 2009	V8	Vortec 4800 LY2	F.I.	O.H.V.	12456338	SWG10005
4818	4.8L	294	EXPRESS G2500	2005 - 2009	V8	Vortec 4800 LY2	F.I.	O.H.V.	12456338	SWG10005
4818	4.8L	294	EXPRESS G3500	2005 - 2009	V8	Vortec 4800 LY2	F.I.	O.H.V.	12456338	SWG10005
4818	4.8L	294	SAVANA G2500	2005 - 2009	V8	Vortec 4800 LY2	F.I.	O.H.V.	12456338	SWG10005
4818	4.8L	294	SAVANA G3500	2005 - 2009	V8	Vortec 4800 LY2	F.I.	O.H.V.	12456338	SWG10005
4818	4.8L	294	SIERRA 1500	1999 - 2009	V8	Vortec 4800 LY2	F.I.	O.H.V.	12456338	SWG10005
4818	4.8L	294	SILVERADO 1500	1999 - 2009	V8	Vortec 4800 LY2	F.I.	O.H.V.	12456338	SWG10005
4818	4.8L	294	TAHOE	2000 - 2010	V8	Vortec 4800 LY2	F.I.	O.H.V.	12456338	SWG10005
4818	4.8L	294	YUKON	2000 - 2009	V8	Vortec 4800 LY2	F.I.	O.H.V.	12456338	SWG10005
4818	4.8L	294	SIERRA 1500	1999 - 2003	V8	Vortec 4800 LR4	F.I.	O.H.V.	12456338	SWG10005
4818	4.8L	294	SILVERADO 1500	1999 - 2003	V8	Vortec 4800 LR4	F.I.	O.H.V.	12456338	SWG10005
4818	4.8L	294	TAHOE	2000 - 2003	V8	Vortec 4800 LR4	F.I.	O.H.V.	12456338	SWG10005
4818	4.8L	294	YUKON	2000 - 2003	V8	Vortec 4800 LR4	F.I.	O.H.V.	12456338	SWG10005
4818	4.8L	294	CUTAWAY G3500	2010 - 2015	V8	Vortec 4800 L20	F.I.	O.H.V.	19208677	SWG10005
4818	4.8L	294	EXPRESS G2500	2010 - 2015	V8	Vortec 4800 L20	F.I.	O.H.V.	19208677	SWG10005
4818	4.8L	294	EXPRESS G3500	2010 - 2015	V8	Vortec 4800 L20	F.I.	O.H.V.	19208677	SWG10005
4818	4.8L	294	SAVANA G2500	2010 - 2015	V8	Vortec 4800 L20	F.I.	O.H.V.	19208677	SWG10005
4818	4.8L	294	SAVANA G3500	2010 - 2015	V8	Vortec 4800 L20	F.I.	O.H.V.	19208677	SWG10005
4818	4.8L	294	SIERRA 1500	2010 - 2013	V8	Vortec 4800 L20	F.I.	O.H.V.	19208677	SWG10005
4818	4.8L	294	SILVERADO 1500	2010 - 2013	V8	Vortec 4800 L20	F.I.	O.H.V.	19208677	SWG10005
4949	4.9L	302	DEVILLE	1994 - 1995	V8	HT-4900 L26	F.I.	O.H.V.	1645491	SWG10002
4949	4.9L	302	ELDORADO	1994 - 1995	V8	HT-4900 L26	F.I.	O.H.V.	1645491	SWG10002
4949	4.9L	302	FLEETWOOD	1994 - 1995	V8	HT-4900 L26	F.I.	O.H.V.	1645491	SWG10002
4949	4.9L	302	SEVILLE	1994 - 1995	V8	HT-4900 L26	F.I.	O.H.V.	1645491	SWG10002
4949	4.9L	302	Sixty Special	1993 ONLY	V8	HT-4900 L26	F.I.	O.H.V.	1645491	SWG10002
4998	5.0L	305	BLAZER	1977 - 1986	V8	Chevy S.B. 305	CARB	O.H.V.	12518282*	SWG10007 8CYL
4998	5.0L	305	BONNEVILLE	1983 - 1985	V8	Chevy S.B. 305	CARB	O.H.V.	12518282*	SWG10007 8CYL
4998	5.0L	305	CABALLERO	1978 - 1985	V8	Chevy S.B. 305	CARB	O.H.V.	12518282*	SWG10007 8CYL
4998	5.0L	305	CAMARO	1980 - 1984	V8	Chevy S.B. 305	CARB	O.H.V.	12518282*	SWG10007 8CYL
4998	5.0L	305	CAPRICE	1980 - 1984	V8	Chevy S.B. 305	CARB	O.H.V.	12518282*	SWG10007 8CYL
4998	5.0L	305	CENTURY	1980 ONLY	V8	Chevy S.B. 305	CARB	O.H.V.	12518282*	SWG10007 8CYL
4998	5.0L	305	CHEVY VAN	1977 - 1986	V8	Chevy S.B. 305	CARB	O.H.V.	12518282*	SWG10007 8CYL
4998	5.0L	305	CORVETTE	1980 ONLY	V8	LG4	CARB	O.H.V.	12518282*	SWG10007 8CYL
SWG10007 8CYL CONTINUED										
GMC, BUICK, CADILLAC, CHEVROLET, GEO, HUMMER, OLDSMOBILE, PONTIAC, SATURN - CONTINUED										

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PISTON REFERENCE NUMBER	NOA PISTON #	HEAD PAGE #	DIA. mm	1 S T	2 N D	3 R D	O 1	O 2	REMARK
HUMMER, OLDSMOBILE, PONTIAC, SATURN									
12555216	X		93.00	1.20	1.50		3.00		32 VALVE
12555216	X		3.661	0.047	0.059		0.118		32 VALVE
12555216	X								32 VALVE
12564799	X		93.00	1.20	1.50		2.50		32 VALVE
12564799	X		3.661	0.047	0.059		0.098		32 VALVE
12564799	X								32 VALVE
89017577	11-899	349	96.00	1.50	1.50		3.00		16 VALVE
89017577	11-899	349	3.780	0.059	0.059		0.118		16 VALVE
89017577	11-899	349							16 VALVE
89017577	11-899	349							16 VALVE
89017577	11-899	349							16 VALVE
89017577	11-899	349							16 VALVE
89017577	11-899	349							16 VALVE
89017577	11-899	349							16 VALVE
89017577	11-899	349							16 VALVE
88894404	11-900	349	96.00	1.50	1.50		3.00		16 VALVE
88894404	11-900	349	3.780	0.059	0.059		0.118		16 VALVE
88894404	11-900	349							16 VALVE
88894404	11-900	349							16 VALVE
19208675	11-920	354	96.00	1.50	1.50		3.00		16 VALVE
19208675	11-920	354	3.780	0.059	0.059		0.118		16 VALVE
19208675	11-920	354							16 VALVE
19208675	11-920	354							16 VALVE
19208675	11-920	354							16 VALVE
19208675	11-920	354							16 VALVE
3535204	X		92.00	1.50	1.50		3.00		16 VALVE
3535204	X		3.622	0.059	0.059		0.118		16 VALVE
3535204	X								16 VALVE
3535204	X								16 VALVE
3535204	X								16 VALVE
364702	X		94.89	1.98	1.98		4.76		VIN-H
364702	X		3.736	0.078	0.078		0.188		VIN-H
364702	X								VIN-H
364702	X								VIN-H
364702	X								VIN-H
364702	X								VIN-H
364702	X								VIN-H
364702	X								VIN-H
GMC, BUICK, CADILLAC, CHEVROLET, GEO, HUMMER, OLDSMOBILE, PONTIAC, SATURN - CONTINUED									

U.S. APPLICATIONS

PISTON RINGS

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ENGINE SIZE			MODEL NAME	YEAR	C Y L	ENGINE CODE NUMBER	F.I. CARB DIESEL	O.H.V. S.O.H.C. D.O.H.C.	RING REFERENCE NUMBER	NOA PISTON RING #
cc	L	ci								
GMC, BUICK, CADILLAC, CHEVROLET, GEO										
4998	5.0L	305	CUTLASS	1980 ONLY	V8	Chevy S.B. 305	CARB	O.H.V.	12518282*	SWG10007 8CYL
4998	5.0L	305	EL CAMINO	1980 - 1984	V8	Chevy S.B. 305	CARB	O.H.V.	12518282*	SWG10007 8CYL
4998	5.0L	305	FIREBIRD	1980 - 1984	V8	Chevy S.B. 305	CARB	O.H.V.	12518282*	SWG10007 8CYL
4998	5.0L	305	GRAND AM	1980 ONLY	V8	Chevy S.B. 305	CARB	O.H.V.	12518282*	SWG10007 8CYL
4998	5.0L	305	GRAND LeMans	1980 ONLY	V8	Chevy S.B. 305	CARB	O.H.V.	12518282*	SWG10007 8CYL
4998	5.0L	305	GRAND PRIX	1980 - 1985	V8	Chevy S.B. 305	CARB	O.H.V.	12518282*	SWG10007 8CYL
4998	5.0L	305	IMPALA	1980 - 1984	V8	Chevy S.B. 305	CARB	O.H.V.	12518282*	SWG10007 8CYL
4998	5.0L	305	JIMMY	1977 - 1986	V8	Chevy S.B. 305	CARB	O.H.V.	12518282*	SWG10007 8CYL
4998	5.0L	305	LeMans	1980 ONLY	V8	Chevy S.B. 305	CARB	O.H.V.	12518282*	SWG10007 8CYL
4998	5.0L	305	MALIBU	1980 - 1983	V8	Chevy S.B. 305	CARB	O.H.V.	12518282*	SWG10007 8CYL
4998	5.0L	305	MONTE CARLO	1980 - 1984	V8	Chevy S.B. 305	CARB	O.H.V.	12518282*	SWG10007 8CYL
4998	5.0L	305	PARISIENNE	1983 - 1984	V8	Chevy S.B. 305	CARB	O.H.V.	12518282*	SWG10007 8CYL
4998	5.0L	305	PICKUP (Chev)	1977 - 1986	V8	Chevy S.B. 305	CARB	O.H.V.	12518282*	SWG10007 8CYL
4998	5.0L	305	PICKUP (GMC)	1977 - 1986	V8	Chevy S.B. 305	CARB	O.H.V.	12518282*	SWG10007 8CYL
4998	5.0L	305	RALLY	1979 - 1986	V8	Chevy S.B. 305	CARB	O.H.V.	12518282*	SWG10007 8CYL
4998	5.0L	305	REGAL	1980 ONLY	V8	Chevy S.B. 305	CARB	O.H.V.	12518282*	SWG10007 8CYL
4998	5.0L	305	SPORTVAN	1977 - 1986	V8	Chevy S.B. 305	CARB	O.H.V.	12518282*	SWG10007 8CYL
4998	5.0L	305	SPRINT	1976 - 1977	V8	Chevy S.B. 305	CARB	O.H.V.	12518282*	SWG10007 8CYL
4998	5.0L	305	SUBURBAN (CH)	1977 - 1981	V8	Chevy S.B. 305	CARB	O.H.V.	12518282*	SWG10007 8CYL
4998	5.0L	305	SUBURBAN (GM)	1977 - 1986	V8	Chevy S.B. 305	CARB	O.H.V.	12518282*	SWG10007 8CYL
4998	5.0L	305	VANDURA	1977 - 1986	V8	Chevy S.B. 305	CARB	O.H.V.	12518282*	SWG10007 8CYL
4998	5.0L	305	BONNEVILLE	1985 - 1986	V8	Chevy S.B. 305	C & F	O.H.V.	12518282*	SWG10007 8CYL
4998	5.0L	305	CABALLERO	1986 - 1987	V8	Chevy S.B. 305	C & F	O.H.V.	12518282*	SWG10007 8CYL
4998	5.0L	305	CAMARO	1982 - 1987	V8	Chevy S.B. 305	C & F	O.H.V.	12518282*	SWG10007 8CYL
4998	5.0L	305	CAPRICE	1985 - 1987	V8	Chevy S.B. 305	C & F	O.H.V.	12518282*	SWG10007 8CYL
4998	5.0L	305	EL CAMINO	1985 - 1987	V8	Chevy S.B. 305	C & F	O.H.V.	12518282*	SWG10007 8CYL
4998	5.0L	305	FIREBIRD	1982 - 1985	V8	Chevy S.B. 305	C & F	O.H.V.	12518282*	SWG10007 8CYL
4998	5.0L	305	GRAND PRIX	1985 - 1986	V8	Chevy S.B. 305	C & F	O.H.V.	12518282*	SWG10007 8CYL
4998	5.0L	305	IMPALA	1985 ONLY	V8	Chevy S.B. 305	C & F	O.H.V.	12518282*	SWG10007 8CYL
4998	5.0L	305	MONTE CARLO	1983 - 1987	V8	Chevy S.B. 305	C & F	O.H.V.	12518282*	SWG10007 8CYL
4998	5.0L	305	PARISIENNE	1985 - 1986	V8	Chevy S.B. 305	C & F	O.H.V.	12518282*	SWG10007 8CYL
4998	5.0L	305	BLAZER	1987 ONLY	V8	Chevy S.B. 305	F.I.	O.H.V.	12518282*	SWG10007 8CYL
4998	5.0L	305	BROUGHAM	1992 ONLY	V8	Chevy S.B. 305	F.I.	O.H.V.	12518282*	SWG10007 8CYL
4998	5.0L	305	CAMARO	1988 - 1992	V8	Chevy S.B. 305	C & F	O.H.V.	12518282*	SWG10007 8CYL
4998	5.0L	305	CAPRICE	1989 - 1992	V8	Chevy S.B. 305	F.I.	O.H.V.	12518282*	SWG10007 8CYL
4998	5.0L	305	CAPRICE	1988 - 1993	V8	Chevy S.B. 305	C & F	O.H.V.	12518282*	SWG10007 8CYL
4998	5.0L	305	CHEVY VAN	1987 - 1994	V8	Chevy S.B. 305	F.I.	O.H.V.	12518282*	SWG10007 8CYL
4998	5.0L	305	Custom CRUISER	1991 - 1992	V8	Chevy S.B. 305	F.I.	O.H.V.	12518282*	SWG10007 8CYL
4998	5.0L	305	FIREBIRD	1987 - 1992	V8	Chevy S.B. 305	C & F	O.H.V.	12518282*	SWG10007 8CYL
4998	5.0L	305	GRAND PRIX	1987 ONLY	V8	Chevy S.B. 305	C & F	O.H.V.	12518282*	SWG10007 8CYL
4998	5.0L	305	JIMMY	1987 ONLY	V8	Chevy S.B. 305	F.I.	O.H.V.	12518282*	SWG10007 8CYL
4998	5.0L	305	MONTE CARLO	1988 ONLY	V8	Chevy S.B. 305	F.I.	O.H.V.	12518282*	SWG10007 8CYL
4998	5.0L	305	PICKUP (Chev)	1987 - 1994	V8	Chevy S.B. 305	F.I.	O.H.V.	12518282*	SWG10007 8CYL
									SWG10007 8CYL CONTINUED	
GMC, BUICK, CADILLAC, CHEVROLET, GEO, HUMMER, OLDSMOBILE, PONTIAC, SATURN - CONTINUED										

PISTONS**RED = NEW INFORMATION**

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PISTON REFERENCE NUMBER	NOA PISTON #	HEAD PAGE #	DIA. mm	1 S T	2 N D	3 R D	O 1	O 2	REMARK
HUMMER, OLDSMOBILE, PONTIAC, SATURN									
364702	X		94.89	1.98	1.98		4.76		VIN-H
364702	X		3.736	0.078	0.078		0.188		VIN-H
364702	X								VIN-H
364702	X								VIN-H
364702	X								VIN-H
364702	X								VIN-H
364702	X								VIN-H
364702	X								VIN-H
364702	X								VIN-H
364702	X								VIN-H
364702	X								VIN-H
364702	X								VIN-H
364702	X								VIN-H
364702	X								VIN-H
364702	X								VIN-H
364702	X								VIN-H
364702	X								VIN-H
14081291	X		94.89	1.98	1.98		4.76		
14081291	X		3.736	0.078	0.078		0.188		
14081291	X								VIN-F, G, H
14081291	X								VIN-H
14081291	X								
14081291	X								VIN-H
14081291	X								
14081291	X								VIN-H
14081291	X								
14081291	X								
12455573	X		94.89	1.98	1.98		4.76		
12455573	X		3.736	0.078	0.078		0.188		
12455573	X								
12455573	X								VIN-E
12455573	X								VIN-H
12455573	X								
12455573	X								
12455573	X								
12455573	X								
12455573	X								
12455573	X								
12455573	X								
12455573	X								
12455573	X								

GMC, BUICK, CADILLAC, CHEVROLET, GEO, HUMMER, OLDSMOBILE, PONTIAC, SATURN - CONTINUED

U.S. APPLICATIONS

PISTON RINGS

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RED = NEW INFORMATION

ENGINE SIZE			MODEL NAME	YEAR	C Y L	ENGINE CODE NUMBER	F.I. CARB DIESEL	O.H.V. S.O.H.C. D.O.H.C.	RING REFERENCE NUMBER	NOA PISTON RING #
cc	L	ci								
GMC, BUICK, CADILLAC, CHEVROLET, GEO										
4998	5.0L	305	PICKUP (GMC)	1987 - 1994	V8	Chevy S.B. 305	F.I.	O.H.V.	12518282*	SWG10007 8CYL
4998	5.0L	305	RALLY	1987 - 1993	V8	Chevy S.B. 305	F.I.	O.H.V.	12518282*	SWG10007 8CYL
4998	5.0L	305	ROADMASTER	1991 ONLY	V8	Chevy S.B. 305	C & F	O.H.V.	12518282*	SWG10007 8CYL
4998	5.0L	305	SPORTVAN	1987 - 1994	V8	Chevy S.B. 305	F.I.	O.H.V.	12518282*	SWG10007 8CYL
4998	5.0L	305	SUBURBAN (CH)	1987 ONLY	V8	Chevy S.B. 305	F.I.	O.H.V.	12518282*	SWG10007 8CYL
4998	5.0L	305	SUBURBAN (GM)	1987 ONLY	V8	Chevy S.B. 305	F.I.	O.H.V.	12518282*	SWG10007 8CYL
4998	5.0L	305	VANDURA	1987 - 1993	V8	Chevy S.B. 305	F.I.	O.H.V.	12518282*	SWG10007 8CYL
4998	5.0L	305	CHEVY VAN	1995 ONLY	V8	Chevy S.B. 305	F.I.	O.H.V.	12518282*	SWG10007 8CYL
4998	5.0L	305	PICKUP (Chev)	1995 ONLY	V8	Chevy S.B. 305	F.I.	O.H.V.	12518282*	SWG10007 8CYL
4998	5.0L	305	PICKUP (GMC)	1995 ONLY	V8	Chevy S.B. 305	F.I.	O.H.V.	12518282*	SWG10007 8CYL
4998	5.0L	305	RALLY	1995 ONLY	V8	Chevy S.B. 305	F.I.	O.H.V.	12518282*	SWG10007 8CYL
4998	5.0L	305	SPORTVAN	1995 ONLY	V8	Chevy S.B. 305	F.I.	O.H.V.	12518282*	SWG10007 8CYL
4998	5.0L	305	VANDURA	1995 ONLY	V8	Chevy S.B. 305	F.I.	O.H.V.	12518282*	SWG10007 8CYL
4998	5.0L	305	CHEVY Express	1996 - 2002	V8	Chevy S.B. 305	F.I.	O.H.V.	12518282	SWG10007 8CYL
4998	5.0L	305	CHEVY VAN	1996 - 1998	V8	Chevy S.B. 305	F.I.	O.H.V.	12518282	SWG10007 8CYL
4998	5.0L	305	EXPRESS G1500	1996 - 2002	V8	Chevy S.B. 305	F.I.	O.H.V.	12518282	SWG10007 8CYL
4998	5.0L	305	EXPRESS G2500	1996 - 2002	V8	Chevy S.B. 305	F.I.	O.H.V.	12518282	SWG10007 8CYL
4998	5.0L	305	EXPRESS G3500	1996 - 2002	V8	Chevy S.B. 305	F.I.	O.H.V.	12518282	SWG10007 8CYL
4998	5.0L	305	PICKUP (Chev)	1996 - 1999	V8	Chevy S.B. 305	F.I.	O.H.V.	12518282	SWG10007 8CYL
4998	5.0L	305	PICKUP (GMC)	1996 - 1999	V8	Chevy S.B. 305	F.I.	O.H.V.	12518282	SWG10007 8CYL
4998	5.0L	305	SAVANA G1500	1996 - 2002	V8	Chevy S.B. 305	F.I.	O.H.V.	12518282	SWG10007 8CYL
4998	5.0L	305	SAVANA G2500	1996 - 2002	V8	Chevy S.B. 305	F.I.	O.H.V.	12518282	SWG10007 8CYL
4998	5.0L	305	SAVANA G3500	1996 - 2002	V8	Chevy S.B. 305	F.I.	O.H.V.	12518282	SWG10007 8CYL
5031	5.0L	307	BONNEVILLE	1981 ONLY	V8	Oldsmobile V8 307	CARB		22529562	SWG10023
5031	5.0L	307	CATALINA	1981 ONLY	V8	Oldsmobile V8 307	CARB		22529562	SWG10023
5031	5.0L	307	Custom CRUISER	1980 - 1984	V8	Oldsmobile V8 307	CARB		22529562	SWG10023
5031	5.0L	307	CUTLASS	1981 - 1984	V8	Oldsmobile V8 307	CARB		22529562	SWG10023
5031	5.0L	307	DELTA 88	1980 - 1984	V8	Oldsmobile V8 307	CARB		22529562	SWG10023
5031	5.0L	307	ELECTRA	1981 - 1984	V8	Oldsmobile V8 307	CARB		22529562	SWG10023
5031	5.0L	307	LeSabre	1981 - 1984	V8	Oldsmobile V8 307	CARB		22529562	SWG10023
5031	5.0L	307	NINETY EIGHT	1980 - 1984	V8	Oldsmobile V8 307	CARB		22529562	SWG10023
5031	5.0L	307	RIVIERA	1980 - 1984	V8	Oldsmobile V8 307	CARB		22529562	SWG10023
5031	5.0L	307	TORONADO	1980 - 1984	V8	Oldsmobile V8 307	CARB		22529562	SWG10023
5031	5.0L	307	CUTLASS	1985 ONLY	V8	Oldsmobile V8 307	F.I.		22529562	SWG10023
5031	5.0L	307	BROUGHAM	1986 - 1987	V8	Oldsmobile V8 307	F.I.		22529562	SWG10023
5031	5.0L	307	BROUGHAM	1986 - 1987	V8	Oldsmobile V8 307	F.I.		22529562	SWG10023
5031	5.0L	307	FLEETWOOD	1986 ONLY	V8	Oldsmobile V8 307	F.I.		22529562	SWG10023
5031	5.0L	307	FLEETWOOD	1986 ONLY	V8	Oldsmobile V8 307	F.I.		22529562	SWG10023
GMC, BUICK, CADILLAC, CHEVROLET, GEO, HUMMER, OLDSMOBILE, PONTIAC, SATURN - CONTINUED										

PISTONS

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PISTON REFERENCE NUMBER	NOA PISTON #	HEAD PAGE #	DIA. mm	1 S T	2 N D	3 R D	O 1	O 2	REMARK
HUMMER, OLDSMOBILE, PONTIAC, SATURN									
12455573	X								
12455573	X								
12455573	X								
12455573	X								
12455573	X								
12455573	X								
12455573	X								
14094014	X		94.89	1.98	1.98		4.76		16 VALVE
14094014	X		3.736	0.078	0.078		0.188		16 VALVE
14094014	X								16 VALVE
14094014	X								16 VALVE
14094014	X								16 VALVE
14094014	X								16 VALVE
12528891	X		94.89	2.00	2.00		4.76		16 VALVE
12528891	X		3.736	0.079	0.079		0.187		16 VALVE
12528891	X								16 VALVE
12528891	X								16 VALVE
12528891	X								16 VALVE
12528891	X								16 VALVE
12528891	X								16 VALVE
12528891	X								16 VALVE
12528891	X								16 VALVE
22506658	X		96.50	1.98	1.98		4.76		
22506658	X		3.799	0.078	0.078		0.188		
22506658	X								
22506658	X								
22506658	X								
22506658	X								
22506658	X								
22506658	X								
22506658	X								
22531926	X		96.50	1.98	1.98		4.76		VIN-9
			3.799	0.078	0.078		0.188		
22527481	X		96.50	1.98	1.98		4.76		LEFT
22527482	X		96.50	1.98	1.98		4.76		RIGHT
22527481	X		3.799	0.078	0.078		0.188		LEFT
22527482	X		3.799	0.078	0.078		0.188		RIGHT
GMC, BUICK, CADILLAC, CHEVROLET, GEO, HUMMER, OLDSMOBILE, PONTIAC, SATURN - CONTINUED									

U.S. APPLICATIONS

PISTON RINGS

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ENGINE SIZE			MODEL NAME	YEAR	C Y L	ENGINE CODE NUMBER	F.I. CARB DIESEL	O.H.V. S.O.H.C. D.O.H.C.	RING REFERENCE NUMBER	NOA PISTON RING #
cc	L	ci								
GMC, BUICK, CADILLAC, CHEVROLET, GEO										
5031	5.0L	307	BROUGHAM	1988 - 1991	V8	Oldsmobile V8 307	F.I.		22529562	SWG10023
5031	5.0L	307	BROUGHAM	1988 - 1991	V8	Oldsmobile V8 307	F.I.		22529562	SWG10023
5031	5.0L	307	CAPRICE	1985 - 1990	V8	Oldsmobile V8 307	F.I.		22529562	SWG10023
5031	5.0L	307	CAPRICE	1985 - 1990	V8	Oldsmobile V8 307	F.I.		22529562	SWG10023
5031	5.0L	307	Custom CRUISER	1985 - 1990	V8	Oldsmobile V8 307	F.I.		22529562	SWG10023
5031	5.0L	307	Custom CRUISER	1980 - 1995	V8	Oldsmobile V8 307	F.I.		22529562	SWG10023
5031	5.0L	307	CUTLASS	1985 - 1988	V8	Oldsmobile V8 307	F.I.		22529562	SWG10023
5031	5.0L	307	CUTLASS	1985 - 1988	V8	Oldsmobile V8 307	F.I.		22529562	SWG10023
5031	5.0L	307	DELTA 88	1985 ONLY	V8	Oldsmobile V8 307	F.I.		22529562	SWG10023
5031	5.0L	307	DELTA 88	1985 ONLY	V8	Oldsmobile V8 307	F.I.		22529562	SWG10023
5031	5.0L	307	ELECTRA	1985 - 1989	V8	Oldsmobile V8 307	F.I.		22529562	SWG10023
5031	5.0L	307	ELECTRA	1985 - 1989	V8	Oldsmobile V8 307	F.I.		22529562	SWG10023
5031	5.0L	307	ESTATE WAGON	1990 ONLY	V8	Oldsmobile V8 307	F.I.		22529562	SWG10023
5031	5.0L	307	ESTATE WAGON	1990 ONLY	V8	Oldsmobile V8 307	F.I.		22529562	SWG10023
5031	5.0L	307	LeSabre	1985 - 1989	V8	Oldsmobile V8 307	F.I.		22529562	SWG10023
5031	5.0L	307	LeSabre	1985 - 1989	V8	Oldsmobile V8 307	F.I.		22529562	SWG10023
5031	5.0L	307	REGAL	1986 - 1987	V8	Oldsmobile V8 307	F.I.		22529562	SWG10023
5031	5.0L	307	REGAL	1986 - 1987	V8	Oldsmobile V8 307	F.I.		22529562	SWG10023
5031	5.0L	307	RIVIERA	1985 ONLY	V8	Oldsmobile V8 307	F.I.		22529562	SWG10023
5031	5.0L	307	RIVIERA	1985 ONLY	V8	Oldsmobile V8 307	F.I.		22529562	SWG10023
5031	5.0L	307	SAFARI	1987 - 1989	V8	Oldsmobile V8 307	F.I.		22529562	SWG10023
5031	5.0L	307	SAFARI	1987 - 1989	V8	Oldsmobile V8 307	F.I.		22529562	SWG10023
5031	5.0L	307	TORONADO	1985 ONLY	V8	Oldsmobile V8 307	F.I.		22529562	SWG10023
5031	5.0L	307	TORONADO	1985 ONLY	V8	Oldsmobile V8 307	F.I.		22529562	SWG10023
5328	5.3L	325	AVALANCHE	2002 - 2003	V8	Vortec 5300 III	F.I.	O.H.V.	12456338	SWG10005
5328	5.3L	325	ESCALADE	2002 - 2003	V8	Vortec 5300 III	F.I.	O.H.V.	12456338	SWG10005
5328	5.3L	325	EXPRESS G1500	2003 ONLY	V8	Vortec 5300 III	F.I.	O.H.V.	12456338	SWG10005
5328	5.3L	325	SAVANA G1500	2003 ONLY	V8	Vortec 5300 III	F.I.	O.H.V.	12456338	SWG10005
5328	5.3L	325	SIERRA 1500	1999 - 2003	V8	Vortec 5300 III	F.I.	O.H.V.	12456338	SWG10005
5328	5.3L	325	SIERRA 2500	1999 - 2000	V8	Vortec 5300 III	F.I.	O.H.V.	12456338	SWG10005
5328	5.3L	325	SILVERADO 1500	1999 - 2003	V8	Vortec 5300 III	F.I.	O.H.V.	12456338	SWG10005
5328	5.3L	325	SILVERADO 2500	1999 - 2000	V8	Vortec 5300 III	F.I.	O.H.V.	12456338	SWG10005
5328	5.3L	325	SSR	2003 ONLY	V8	Vortec 5300 III	F.I.	O.H.V.	12456338	SWG10005
5328	5.3L	325	SUBURBAN (CH)	1999 - 2003	V8	Vortec 5300 III	F.I.	O.H.V.	12456338	SWG10005
5328	5.3L	325	TAHOE	1999 - 2003	V8	Vortec 5300 III	F.I.	O.H.V.	12456338	SWG10005
5328	5.3L	325	TRAILBLAZER	2003 ONLY	V8	Vortec 5300 III	F.I.	O.H.V.	12456338	SWG10005
5328	5.3L	325	YUKON	1999 - 2003	V8	Vortec 5300 III	F.I.	O.H.V.	12456338	SWG10005
5328	5.3L	325	YUKON XL	2002 - 2003	V8	Vortec 5300 III	F.I.	O.H.V.	12456338	SWG10005
5328	5.3L	325	AVALANCHE	2004 - 2006	V8	Vortec 5300 III	F.I.	O.H.V.	12456338	SWG10005
5328	5.3L	325	ENVOY DENALI	2005 - 2009	V8	Vortec 5300 III	F.I.	O.H.V.	12456338	SWG10005
5328	5.3L	325	ENVOY XL	2004 - 2006	V8	Vortec 5300 III	F.I.	O.H.V.	12456338	SWG10005
5328	5.3L	325	ESCALADE	2004 - 2005	V8	Vortec 5300 III	F.I.	O.H.V.	12456338	SWG10005
5328	5.3L	325	EXPRESS G1500	2003 - 2007	V8	Vortec 5300 III	F.I.	O.H.V.	12456338	SWG10005
									SWG10005 CONTINUED	
GMC, BUICK, CADILLAC, CHEVROLET, GEO, HUMMER, OLDSMOBILE, PONTIAC, SATURN - CONTINUED										

PISTONS

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PISTON REFERENCE NUMBER	NOA PISTON #	HEAD PAGE #	DIA. mm	1	2	3	O	O	REMARK
				S	N	R	1	2	
HUMMER, OLDSMOBILE, PONTIAC, SATURN									
22527479	X		96.50	1.98	1.98		4.76		LEFT
22527480	X		96.50	1.98	1.98		4.76		RIGHT
22527479	X		3.799	0.078	0.078		0.188		LEFT, VIN-Y
22527480	X		3.799	0.078	0.078		0.188		RIGHT, VIN-Y
22527479	X								LEFT, VIN-Y
22527480	X								RIGHT, VIN-Y
22527479	X								LEFT, VIN-Y
22527480	X								RIGHT, VIN-Y
22527479	X								LEFT, VIN-Y
22527480	X								RIGHT, VIN-Y
22527479	X								LEFT
22527480	X								RIGHT
22527479	X								LEFT
22527480	X								RIGHT
22527479	X								LEFT
22527480	X								RIGHT
25527479	X								LEFT
25527480	X								RIGHT
25527479	X								LEFT
25527480	X								RIGHT
22527479	X								LEFT
22527480	X								RIGHT
22527479	X								LEFT, VIN-Y
22527480	X								RIGHT, VIN-Y
88894397	11-829	333	96.00	1.50	1.50		3.00		LM7, 16 VALVE
88894397	11-829	333	3.780	0.059	0.059		0.118		LM7, 16 VALVE
88894397	11-829	333							LM7, 16 VALVE
88894397	11-829	333							LM7, 16 VALVE
88894397	11-829	333							L59, LM7, 16 VALVE
88894397	11-829	333							L59, LM7, 16 VALVE
88894397	11-829	333							L59, LM7, 16 VALVE
88894397	11-829	333							LM7, 16 VALVE
88894397	11-829	333							LM4, 16 VALVE
88894397	11-829	333							L59, LM7, 16 VALVE
88894397	11-829	333							L59, LM7, 16 VALVE
88894397	11-829	333							LM4, 16 VALVE
88894397	11-829	333							L59, LM7, 16 VALVE
88894397	11-829	333							L59, LM7, 16 VALVE
89017579	11-900	349	96.00	1.50	1.50		3.00		LM7, 16 VALVE
89017579	11-900	349	3.780	0.059	0.059		0.118		LH6, 16 VALVE
89017579	11-900	349							LH6, LM4, 16 VALVE
89017579	11-900	349							LM7, 16 VALVE
89017579	11-900	349							LM7, 16 VALVE
GMC, BUICK, CADILLAC, CHEVROLET, GEO, HUMMER, OLDSMOBILE, PONTIAC, SATURN - CONTINUED									

U.S. APPLICATIONS

PISTON RINGS

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ENGINE SIZE			MODEL NAME	YEAR	C Y L	ENGINE CODE NUMBER	F.I. CARB DIESEL	O.H.V. S.O.H.C. D.O.H.C.	RING REFERENCE NUMBER	NOA PISTON RING #
cc	L	ci								

GMC, BUICK, CADILLAC, CHEVROLET, GEO

5328	5.3L	325	RAINIER	2004 ONLY	V8	Vortec 5300 III	F.I.	O.H.V.	12456338	SWG10005
5328	5.3L	325	SAVANA G1500	2003 - 2007	V8	Vortec 5300 III	F.I.	O.H.V.	12456338	SWG10005
5328	5.3L	325	SIERRA 1500	2004 - 2007	V8	Vortec 5300 III	F.I.	O.H.V.	12456338	SWG10005
5328	5.3L	325	SILVERADO 1500	2003 - 2007	V8	Vortec 5300 III	F.I.	O.H.V.	12456338	SWG10005
5328	5.3L	325	SSR	2004 ONLY	V8	Vortec 5300 III	F.I.	O.H.V.	12456338	SWG10005
5328	5.3L	325	SUBURBAN (CH)	2004 - 2006	V8	Vortec 5300 III	F.I.	O.H.V.	12456338	SWG10005
5328	5.3L	325	TAHOE	2004 - 2006	V8	Vortec 5300 III	F.I.	O.H.V.	12456338	SWG10005
5328	5.3L	325	TRAILBLAZER	2004 ONLY	V8	Vortec 5300 III	F.I.	O.H.V.	12456338	SWG10005
5328	5.3L	325	YUKON	2004 - 2006	V8	Vortec 5300 III	F.I.	O.H.V.	12456338	SWG10005
5328	5.3L	325	YUKON XL	2004 - 2006	V8	Vortec 5300 III	F.I.	O.H.V.	12456338	SWG10005
5328	5.3L	325	CANYON	2009 - 2012	V8	Vortec 5300 IV	F.I.	O.H.V.	12456338	SWG10005
5328	5.3L	325	COLORADO	2008 - 2012	V8	Vortec 5300 IV	F.I.	O.H.V.	12456338	SWG10005
5328	5.3L	325	ENVOY	2002 - 2009	V8	Vortec 5300 IV	F.I.	O.H.V.	12456338	SWG10005
5328	5.3L	325	EXPRESS G1500	2008 - 2013	V8	Vortec 5300 IV	F.I.	O.H.V.	12456338	SWG10005
5328	5.3L	325	GRAND PRIX	2006 ONLY	V8	Vortec 5300 IV	F.I.	O.H.V.	12456338	SWG10005
5328	5.3L	325	H3	2008 - 2009	V8	Vortec 5300 IV	F.I.	O.H.V.	12456338	SWG10005
5328	5.3L	325	H3T	2008 - 2009	V8	Vortec 5300 IV	F.I.	O.H.V.	12456338	SWG10005
5328	5.3L	325	IMPALA	2007 ONLY	V8	Vortec 5300 IV	F.I.	O.H.V.	12456338	SWG10005
5328	5.3L	325	LaCrosse	2009 ONLY	V8	Vortec 5300 IV	F.I.	O.H.V.	12456338	SWG10005
5328	5.3L	325	MONTE CARLO	2006 - 2008	V8	Vortec 5300 IV	F.I.	O.H.V.	12456338	SWG10005
5328	5.3L	325	RAINIER	2005 - 2008	V8	Vortec 5300 IV	F.I.	O.H.V.	12456338	SWG10005
5328	5.3L	325	SAVANA G1500	2008 - 2013	V8	Vortec 5300 IV	F.I.	O.H.V.	12456338	SWG10005
5328	5.3L	325	TAHOE	2007 - 2009	V8	Vortec 5300 IV	F.I.	O.H.V.	12456338	SWG10005
5328	5.3L	325	TRAILBLAZER	2004 - 2009	V8	Vortec 5300 IV	F.I.	O.H.V.	12456338	SWG10005
5328	5.3L	325	AVALANCHE	2007 - 2013	V8	Vortec 5300 IV	F.I.	O.H.V.	19208677	SWG10005
5328	5.3L	325	SIERRA 1500	2007 - 2013	V8	Vortec 5300 IV	F.I.	O.H.V.	19208677	SWG10005
5328	5.3L	325	SILVERADO 1500	2007 - 2013	V8	Vortec 5300 IV	F.I.	O.H.V.	19208677	SWG10005
5328	5.3L	325	SUBURBAN (CH)	2007 - 2014	V8	Vortec 5300 IV	F.I.	O.H.V.	19208677	SWG10005
5328	5.3L	325	TAHOE	2010 - 2014	V8	Vortec 5300 IV	F.I.	O.H.V.	19208677	SWG10005
5328	5.3L	325	YUKON	2007 - 2013	V8	Vortec 5300 IV	F.I.	O.H.V.	19208677	SWG10005
5328	5.3L	325	YUKON XL	2007 - 2013	V8	Vortec 5300 IV	F.I.	O.H.V.	19208677	SWG10005
5328	5.3L	325	SIERRA HYBRID	2005 - 2008	V8	Vortec 5300H	F.I.	O.H.V.	-	NA
5328	5.3L	325	SILVERADO HYBRID	2005 - 2007	V8	Vortec 5300H	F.I.	O.H.V.	-	NA
5328	5.3L	325	EXPRESS G1500	2014 - 2015	V8	ECOTEC3 L83	F.I.	O.H.V.	-	NA
5328	5.3L	325	SAVANA G1500	2014 - 2015	V8	ECOTEC3 L83	F.I.	O.H.V.	-	NA
5328	5.3L	325	SIERRA 1500	2014 - 2015	V8	ECOTEC3 L83	F.I.	O.H.V.	-	NA
5328	5.3L	325	SILVERADO 1500	2014 - 2015	V8	ECOTEC3 L83	F.I.	O.H.V.	-	NA
5328	5.3L	325	SUBURBAN (CH)	2015 - 2016	V8	ECOTEC3 L83	F.I.	O.H.V.	-	NA
5328	5.3L	325	TAHOE	2015 - 2016	V8	ECOTEC3 L83	F.I.	O.H.V.	-	NA
5328	5.3L	325	YUKON	2014 - 2015	V8	ECOTEC3 L83	F.I.	O.H.V.	-	NA
5328	5.3L	325	YUKON XL	2014 - 2015	V8	ECOTEC3 L83	F.I.	O.H.V.	-	NA

GMC, BUICK, CADILLAC, CHEVROLET, GEO, HUMMER, OLDSMOBILE, PONTIAC, SATURN - CONTINUED

PISTONS

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PISTON REFERENCE NUMBER	NOA PISTON #	HEAD PAGE #	DIA. mm	1 S T	2 N D	3 R D	O 1	O 2	REMARK
HUMMER, OLDSMOBILE, PONTIAC, SATURN									
89017579	11-900	349							LM4, 16 VALVE
89017579	11-900	349							LM7, 16 VALVE
89017579	11-900	349							L33, L59, LM7, 16 VALVE
89017579	11-900	349							L33, L59, LM7, 16 VALVE
89017579	11-900	349							LM4, 16 VALVE
89017579	11-900	349							L59, LM7, 16 VALVE
89017579	11-900	349							L59, LM7, 16 VALVE
89017579	11-900	349							LM4, 16 VALVE
89017579	11-900	349							L59, LM7, 16 VALVE
89017579	11-900	349							L59, LM7, 16 VALVE
89017577	11-899	349	96.00	1.50	1.50		3.00		LH8, 16 VALVE
89017577	11-899	349	3.780	0.059	0.059		0.118		LH8, 16 VALVE
89017577	11-899	349							LH6, 16 VALVE
89017577	11-899	349							LY5, 16 VALVE
89017577	11-899	349							LS4, 16 VALVE
89017577	11-899	349							LH8, 16 VALVE
89017577	11-899	349							LH8, 16 VALVE
89017577	11-899	349							LS4, 16 VALVE
89017577	11-899	349							LS4, 16 VALVE
89017577	11-899	349							LS4, 16 VALVE
89017577	11-899	349							LH6, 16 VALVE
89017577	11-899	349							LY5, 16 VALVE
89017577	11-899	349							LMG, LY5, 16 VALVE
89017577	11-899	349							LH6, 16 VALVE
19208675	11-920	354	96.00	1.50	1.50		3.00		LC9, LMG, LY5, 16 VALVE
19208675	11-920	354	3.780	0.059	0.059		0.118		LC9, LH6, LMG, LY5, 16 VALVE
19208675	11-920	354							LC9, LH6, LMG, LY5, 16 VALVE
19208675	11-920	354							LC9, LMG, LY5, 16 VALVE
19208675	11-920	354							LC9, LMG, LY5, 16 VALVE
19208675	11-920	354							LC9, LH6, LMG, LY5, 16 VALVE
19208675	11-920	354							LC9, LH6, LMG, LY5, 16 VALVE
-	X		96.00	1.50	1.50		3.00		16 VALVE
-	X		3.780	0.059	0.059		0.118		16 VALVE
-	X		96.00						16 VALVE
-	X		3.780	0.000	0.000		0.000		16 VALVE
-	X								16 VALVE
-	X								16 VALVE
-	X								16 VALVE
-	X								16 VALVE
-	X								16 VALVE
-	X								16 VALVE
-	X								16 VALVE
GMC, BUICK, CADILLAC, CHEVROLET, GEO, HUMMER, OLDSMOBILE, PONTIAC, SATURN - CONTINUED									

U.S. APPLICATIONS

PISTON RINGS

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ENGINE SIZE			MODEL NAME	YEAR	C Y L	ENGINE CODE NUMBER	F.I. CARB DIESEL	O.H.V. S.O.H.C. D.O.H.C.	RING REFERENCE NUMBER	NOA PISTON RING #
cc	L	ci								
GMC, BUICK, CADILLAC, CHEVROLET, GEO										
5670	5.7L	346	CTS	2004 - 2006	V8	Vortec 5700 LS6	F.I.	O.H.V.	88894299	SWG10018
5670	5.7L	346	FIREBIRD	1998 - 2002	V8	Vortec 5700 LS6	F.I.	O.H.V.	88894299	SWG10018
5670	5.7L	346	GRAND PRIX	2005 - 2008	V8	Vortec 5700 LS6	F.I.	O.H.V.	88894299	SWG10018
5670	5.7L	346	IMPALA	2008 - 2009	V8	Vortec 5700 LS6	F.I.	O.H.V.	88894299	SWG10018
5670	5.7L	346	CAMARO	1998 - 2002	V8	Vortec 5700 LS6	F.I.	O.H.V.	88894299	SWG10018
5670	5.7L	346	CORVETTE	1997 - 2004	V8	Vortec 5700 LS1	F.I.	O.H.V.	88984247	SWG10018
5670	5.7L	346	CORVETTE	2001 - 2004	V8	Vortec 5700 LS6	F.I.	O.H.V.	88984247	SWG10018
5670	5.7L	346	GTO	2004 ONLY	V8	Vortec 5700 LS6	F.I.	O.H.V.	88984247	SWG10018
5735	5.7L	350	BLAZER	1974 - 1985	V8	Chevy S.B. 350	C & F	O.H.V.	14089025	SWF80016
5735	5.7L	350	CHEVY VAN	1974 - 1986	V8	Chevy S.B. 350	C & F	O.H.V.	14089025	SWF80016
5735	5.7L	350	JIMMY	1975 - 1985	V8	Chevy S.B. 350	C & F	O.H.V.	14089025	SWF80016
5735	5.7L	350	MAGNAVAN	1974 - 1988	V8	Chevy S.B. 350	C & F	O.H.V.	14089025	SWF80016
5735	5.7L	350	PICKUP (Chev)	1974 - 1986	V8	Chevy S.B. 350	C & F	O.H.V.	14089025	SWF80016
5735	5.7L	350	PICKUP (GMC)	1974 - 1986	V8	Chevy S.B. 350	C & F	O.H.V.	14089025	SWF80016
5735	5.7L	350	RALLY	1974 - 1986	V8	Chevy S.B. 350	C & F	O.H.V.	14089025	SWF80016
5735	5.7L	350	SPORTVAN	1974 - 1986	V8	Chevy S.B. 350	C & F	O.H.V.	14089025	SWF80016
5735	5.7L	350	SPRINT	1974 - 1975	V8	Chevy S.B. 350	CARB	O.H.V.	14089025	SWF80016
5735	5.7L	350	SUBURBAN (CH)	1974 - 1986	V8	Chevy S.B. 350	C & F	O.H.V.	14089025	SWF80016
5735	5.7L	350	SUBURBAN (GM)	1974 - 1986	V8	Chevy S.B. 350	C & F	O.H.V.	14089025	SWF80016
5735	5.7L	350	VANDURA	1974 - 1988	V8	Chevy S.B. 350	C & F	O.H.V.	14089025	SWF80016
5735	5.7L	350	CAMARO	1988 ONLY	V8	Chevy S.B. 350 L98	F.I.	O.H.V.	12507985	SWF80016
5735	5.7L	350	CORVETTE	1986 - 1988	V8	Chevy S.B. 350 L98	F.I.	O.H.V.	12507985	SWF80016
5735	5.7L	350	CORVETTE	1986 ONLY	V8	Chevy S.B. 350 L98	F.I.	O.H.V.	12507985	SWF80016
5735	5.7L	350	CAMARO	1987 - 1989	V8	Chevy S.B. 350 L98	F.I.	O.H.V.	12507985	SWF80016
5735	5.7L	350	CORVETTE	1989 ONLY	V8	Chevy S.B. 350 L98	F.I.	O.H.V.	12507985	SWF80016
5735	5.7L	350	FIREBIRD	1987 - 1989	V8	Chevy S.B. 350 L98	F.I.	O.H.V.	12507985	SWF80016
5735	5.7L	350	BLAZER	1974 - 1994	V8	Chevy S.B. 350	C & F	O.H.V.	14089025	SWF80016
5735	5.7L	350	CABALLERO	1978 ONLY	V8	Chevy S.B. 350	CARB	O.H.V.	14089025	SWF80016
5735	5.7L	350	CABALLERO	1979 ONLY	V8	Chevy S.B. 350	CARB	O.H.V.	14089025	SWF80016
5735	5.7L	350	CAMARO	1980 - 1981	V8	Chevy S.B. 350	CARB	O.H.V.	14089025	SWF80016
5735	5.7L	350	CHEVY VAN	1974 - 1995	V8	Chevy S.B. 350	C & F	O.H.V.	14089025	SWF80016
5735	5.7L	350	CORVETTE	1980 - 1981	V8	Chevy S.B. 350	CARB	O.H.V.	14089025	SWF80016
5735	5.7L	350	MAGNAVAN	1975 - 1991	V8	Chevy S.B. 350	C & F	O.H.V.	14089025	SWF80016
5735	5.7L	350	MALIBU	1981 ONLY	V8	Chevy S.B. 350	CARB	O.H.V.	14089025	SWF80016
5735	5.7L	350	MONTE CARLO	1981 ONLY	V8	Chevy S.B. 350	CARB	O.H.V.	14089025	SWF80016
5735	5.7L	350	PICKUP (Chev)	1974 - 1994	V8	Chevy S.B. 350	C & F	O.H.V.	14089025	SWF80016
SWF80016 CONTINUED										
GMC, BUICK, CADILLAC, CHEVROLET, GEO, HUMMER, OLDSMOBILE, PONTIAC, SATURN - CONTINUED										

PISTONS

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PISTON REFERENCE NUMBER	NOA PISTON #	HEAD PAGE #	DIA. mm	1 S T	2 N D	3 R D	O 1	O 2	REMARK
HUMMER, OLDSMOBILE, PONTIAC, SATURN									
12456108	X		99.00	1.50	1.50		3.00		16 VALVE
12456108	X		3.898	0.059	0.059		0.118		16 VALVE
12456108	X								16 VALVE
12456108	X								16 VALVE
88894273	X		99.00	1.50	1.50		3.00		16 VALVE
			3.898	0.059	0.059		0.118		
88984245	X		99.00	1.50	1.50		3.00		16 VALVE
88984245	X		3.898	0.059	0.059		0.118		16 VALVE
88984245	X								16 VALVE
10049076	X		101.60	1.98	1.98		4.76		
10049076	X		4.000	0.078	0.078		0.188		VIN-M
10049076	X								
10049076	X								G3500, VIN-M
10049076	X								C3500, K2500, VIN-M
10049076	X								G3500, VIN-M
10049076	X								VIN-M
10049076	X								
10049076	X								VIN-M
10049076	X								K2500, VIN-M
10049076	X								G3500, VIN-M
10049079	X		101.60	1.98	1.98		4.76		
10049079	X		4.000	0.078	0.078		0.188		ALUMINUM HEAD
14093989	X		101.60	1.98	1.98		4.76		CAST IRON HEAD
			4.000	0.078	0.078		0.188		
12514101	X		101.60	1.98	1.98		4.76		
12514101	X		4.000	0.078	0.078		0.188		
12514101	X								
12514101	X		101.60	1.98	1.98		4.76		VIN-K, L
12514101	X		4.000	0.078	0.078		0.188		
12514101	X								
12514101	X								VIN-K, L
12514101	X								VIN-K, L
12514101	X								VIN-K, L
12514101	X								
12514101	X								VIN-K, L
12514101	X								
12514101	X								VIN-K, L
GMC, BUICK, CADILLAC, CHEVROLET, GEO, HUMMER, OLDSMOBILE, PONTIAC, SATURN - CONTINUED									

U.S. APPLICATIONS

PISTON RINGS

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ENGINE SIZE			MODEL NAME	YEAR	C Y L	ENGINE CODE NUMBER	F.I. CARB DIESEL	O.H.V. S.O.H.C. D.O.H.C.	RING REFERENCE NUMBER	NOA PISTON RING #
cc	L	ci								

GMC, BUICK, CADILLAC, CHEVROLET, GEO

5735	5.7L	350	PICKUP (GMC)	1974 - 1994	V8	Chevy S.B. 350	C & F	O.H.V.	14089025	SWF80016
5735	5.7L	350	RALLY	1974 - 1994	V8	Chevy S.B. 350	C & F	O.H.V.	14089025	SWF80016
5735	5.7L	350	SPORTVAN	1974 - 1994	V8	Chevy S.B. 350	C & F	O.H.V.	14089025	SWF80016
5735	5.7L	350	SPRINT	1975 - 1977	V8	Chevy S.B. 350	CARB	O.H.V.	14089025	SWF80016
5735	5.7L	350	SUBURBAN (CH)	1974 - 1994	V8	Chevy S.B. 350	C & F	O.H.V.	14089025	SWF80016
5735	5.7L	350	SUBURBAN (GM)	1974 - 1994	V8	Chevy S.B. 350	C & F	O.H.V.	14089025	SWF80016
5735	5.7L	350	VANDURA	1974 - 1994	V8	Chevy S.B. 350	C & F	O.H.V.	14089025	SWF80016
5735	5.7L	350	CORVETTE	1980 - 1985	V8	Chevy S.B. 350 L83	C & F	O.H.V.	14089025	SWF80016
5735	5.7L	350	BLAZER	1987 - 1993	V8	Chevy S.B. 350	F.I.	O.H.V.	14089025	SWF80016
5735	5.7L	350	CHEVY VAN	1987 - 1993	V8	Chevy S.B. 350	F.I.	O.H.V.	14089025	SWF80016
5735	5.7L	350	MAGNAVAN	1987 - 1993	V8	Chevy S.B. 350	F.I.	O.H.V.	14089025	SWF80016
5735	5.7L	350	PICKUP (Chev)	1987 - 1993	V8	Chevy S.B. 350	F.I.	O.H.V.	14089025	SWF80016
5735	5.7L	350	PICKUP (GMC)	1987 - 1993	V8	Chevy S.B. 350	F.I.	O.H.V.	14089025	SWF80016
5735	5.7L	350	SPORTVAN	1987 - 1993	V8	Chevy S.B. 350	F.I.	O.H.V.	14089025	SWF80016
5735	5.7L	350	SUBURBAN (CH)	1987 - 1993	V8	Chevy S.B. 350	F.I.	O.H.V.	14089025	SWF80016
5735	5.7L	350	SUBURBAN (GM)	1987 - 1993	V8	Chevy S.B. 350	F.I.	O.H.V.	14089025	SWF80016
5735	5.7L	350	VANDURA	1987 - 1993	V8	Chevy S.B. 350	F.I.	O.H.V.	14089025	SWF80016
5735	5.7L	350	PICKUP (Chev)	1995 ONLY	V8	Chevy S.B. 350	F.I.	O.H.V.	14089025	SWF80016
5735	5.7L	350	PICKUP (GMC)	1995 ONLY	V8	Chevy S.B. 350	F.I.	O.H.V.	14089025	SWF80016
5735	5.7L	350	SUBURBAN (GM)	1995 ONLY	V8	Chevy S.B. 350	F.I.	O.H.V.	14089025	SWF80016
5735	5.7L	350	PICKUP (Chev)	1995 ONLY	V8	Chevy S.B. 350	F.I.	O.H.V.	14089025	SWF80016
5735	5.7L	350	PICKUP (GMC)	1995 ONLY	V8	Chevy S.B. 350	F.I.	O.H.V.	14089025	SWF80016
5735	5.7L	350	SUBURBAN (GM)	1995 ONLY	V8	Chevy S.B. 350	F.I.	O.H.V.	14089025	SWF80016
5735	5.7L	350	C3500 HD	1991 - 1993	V8	Vortec 5700 L31	F.I.	O.H.V.	88894219	SWF80016
5735	5.7L	350	JIMMY	1987 - 1991	V8	Vortec 5700 L31	F.I.	O.H.V.	88894219	SWF80016
5735	5.7L	350	RALLY	1987 - 1993	V8	Vortec 5700 L31	F.I.	O.H.V.	88894219	SWF80016
5735	5.7L	350	C3500 HD	1994 ONLY	V8	Vortec 5700 L31	F.I.	O.H.V.	88894219	SWF80016
5735	5.7L	350	JIMMY	1974 - 1991	V8	Vortec 5700 L31	C & F	O.H.V.	88894219	SWF80016
5735	5.7L	350	TRANS AM	1992 - 1996	V8	Vortec 5700 L31	F.I.	O.H.V.	88894219	SWF80016
5735	5.7L	350	YUKON	1992 - 1998	V8	Vortec 5700 L31	F.I.	O.H.V.	88894219	SWF80016
5735	5.7L	350	CHEVY VAN	1995 ONLY	V8	Vortec 5700 L31	F.I.	O.H.V.	88894219	SWF80016
5735	5.7L	350	RALLY	1995 ONLY	V8	Vortec 5700 L31	F.I.	O.H.V.	88894219	SWF80016
5735	5.7L	350	SPORTVAN	1995 ONLY	V8	Vortec 5700 L31	F.I.	O.H.V.	88894219	SWF80016
5735	5.7L	350	SUBURBAN (CH)	1995 ONLY	V8	Vortec 5700 L31	F.I.	O.H.V.	88894219	SWF80016
5735	5.7L	350	VANDURA	1995 ONLY	V8	Vortec 5700 L31	F.I.	O.H.V.	88894219	SWF80016
GMC, BUICK, CADILLAC, CHEVROLET, GEO, HUMMER, OLDSMOBILE, PONTIAC, SATURN - CONTINUED										

PISTONS

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PISTON REFERENCE NUMBER	NOA PISTON #	HEAD PAGE #	DIA. mm	1 S T	2 N D	3 R D	O 1	O 2	REMARK
HUMMER, OLDSMOBILE, PONTIAC, SATURN									
12514101	X								C1500, K1500, VIN-K, L
12514101	X								G1500, G2500, VIN-K, L
12514101	X								VIN-K, L
12514101	X								
12514101	X								VIN-K, L
12514101	X								C1500, K1500, VIN-K, L
12514101	X								G1500, G2500. VIN-K, L
474190	X		101.60	1.98	1.98		4.76		
			4.000	0.078	0.078		0.188		
14093989	X		101.60	1.98	1.98		4.76		VIN-K
14093989	X		4.000	0.078	0.078		0.188		VIN-K
14093989	X								VIN-K
14093989	X								VIN-K
14093989	X								VIN-K
14093989	X								VIN-K
14093989	X								VIN-K
14093989	X								VIN-K
14093989	X								VIN-K
12514102	X		101.60	1.98	1.98		4.76		16 VALVE
12514102	X		4.000	0.078	0.078		0.188		16 VALVE
12514102	X								16 VALVE
10181280	X		101.60	1.98	1.98		4.76		16 VALVE
10181280	X		4.000	0.078	0.078		0.188		16 VALVE
10181280	X								16 VALVE
14093989	X		101.60	1.98	1.98		4.76		16 VALVE
14093989	X		4.000	0.078	0.078		0.188		VIN-K, 16 VALVE
14093989	X								VIN-K, 16 VALVE
12514101	X		101.60	1.98	1.98		4.76		16 VALVE
12514101	X		4.000	0.078	0.078		0.188		C1500, K1500, VIN-K, L, 16 VALVE
12514101	X								16 VALVE
12514101	X								16 VALVE
10181280	X		101.60	1.98	1.98		4.76		16 VALVE
10181280	X		4.000	0.078	0.078		0.188		16 VALVE
10181280	X								16 VALVE
10181280	X								16 VALVE
10181280	X								16 VALVE
GMC, BUICK, CADILLAC, CHEVROLET, GEO, HUMMER, OLDSMOBILE, PONTIAC, SATURN - CONTINUED									

U.S. APPLICATIONS

PISTON RINGS

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RED = NEW INFORMATION

ENGINE SIZE			MODEL NAME	YEAR	C Y L	ENGINE CODE NUMBER	F.I. CARB DIESEL	O.H.V. S.O.H.C. D.O.H.C.	RING REFERENCE NUMBER	NOA PISTON RING #
cc	L	ci								

GMC, BUICK, CADILLAC, CHEVROLET, GEO

5735	5.7L	350	CHEVY VAN	1995 ONLY	V8	Vortec 5700 L31	F.I.	O.H.V.	88894219	SWF80016
5735	5.7L	350	RALLY	1995 ONLY	V8	Vortec 5700 L31	F.I.	O.H.V.	88894219	SWF80016
5735	5.7L	350	SPORTVAN	1995 ONLY	V8	Vortec 5700 L31	F.I.	O.H.V.	88894219	SWF80016
5735	5.7L	350	SUBURBAN (CH)	1995 ONLY	V8	Vortec 5700 L31	F.I.	O.H.V.	88894219	SWF80016
5735	5.7L	350	VANDURA	1995 ONLY	V8	Vortec 5700 L31	F.I.	O.H.V.	88894219	SWF80016
5735	5.7L	350	CHEVY Express	1996 - 2002	V8	Vortec 5700 L31	F.I.	O.H.V.	12522848	SWI10197
5735	5.7L	350	CHEVY VAN	1996 - 1998	V8	Vortec 5700 L31	F.I.	O.H.V.	12522848	SWI10197
5735	5.7L	350	CUTAWAY G30	1996 ONLY	V8	Vortec 5700 L31	F.I.	O.H.V.	12522848	SWI10197
5735	5.7L	350	CUTAWAY G3500	1997 - 2002	V8	Vortec 5700 L31	F.I.	O.H.V.	12522848	SWI10197
5735	5.7L	350	ESCALADE	1999 - 2000	V8	Vortec 5700 L31	F.I.	O.H.V.	12522848	SWI10197
5735	5.7L	350	EXPRESS G1500	1996 - 2002	V8	Vortec 5700 L31	F.I.	O.H.V.	12522848	SWI10197
5735	5.7L	350	EXPRESS G2500	1996 - 2002	V8	Vortec 5700 L31	F.I.	O.H.V.	12522848	SWI10197
5735	5.7L	350	EXPRESS G3500	1996 - 2002	V8	Vortec 5700 L31	F.I.	O.H.V.	12522848	SWI10197
5735	5.7L	350	PICKUP (Chev)	1996 - 2000	V8	Vortec 5700 L31	F.I.	O.H.V.	12522848	SWI10197
5735	5.7L	350	PICKUP (GMC)	1996 - 2000	V8	Vortec 5700 L31	F.I.	O.H.V.	12522848	SWI10197
5735	5.7L	350	RV CUTAWAY	1996 - 2002	V8	Vortec 5700 L31	F.I.	O.H.V.	12522848	SWI10197
5735	5.7L	350	SAVANA G1500	1996 - 2002	V8	Vortec 5700 L31	F.I.	O.H.V.	12522848	SWI10197
5735	5.7L	350	SAVANA G2500	1996 - 2002	V8	Vortec 5700 L31	F.I.	O.H.V.	12522848	SWI10197
5735	5.7L	350	SAVANA G3500	1996 - 2002	V8	Vortec 5700 L31	F.I.	O.H.V.	12522848	SWI10197
5735	5.7L	350	SUBURBAN (CH)	1996 - 1999	V8	Vortec 5700 L31	F.I.	O.H.V.	12522848	SWI10197
5735	5.7L	350	SUBURBAN (GM)	1996 - 1999	V8	Vortec 5700 L31	F.I.	O.H.V.	12522848	SWI10197
5735	5.7L	350	TAHOE	1995 - 1999	V8	Vortec 5700 L31	F.I.	O.H.V.	12522848	SWI10197
5735	5.7L	350	YUKON	1999 - 2000	V8	Vortec 5700 L31	F.I.	O.H.V.	12522848	SWI10197
5735	5.7L	350	YUKON DENALI	2000 ONLY	V8	Vortec 5700 L31	F.I.	O.H.V.	12522848	SWI10197
5964	6.0L	364	CUTAWAY G3500	2001 - 2005	V8	Vortec 6000 LQ4	F.I.	O.H.V.	12456342	SWI10197
5964	6.0L	364	EXPRESS G2500	2001 - 2005	V8	Vortec 6000 LQ4	F.I.	O.H.V.	12456342	SWI10197
5964	6.0L	364	EXPRESS G3500	2001 - 2005	V8	Vortec 6000 LQ4	F.I.	O.H.V.	12456342	SWI10197
5964	6.0L	364	H2	2003 - 2004	V8	Vortec 6000 LQ4	F.I.	O.H.V.	12456342	SWI10197
5964	6.0L	364	SAVANA G2500	2001 - 2005	V8	Vortec 6000 LQ4	F.I.	O.H.V.	12456342	SWI10197
5964	6.0L	364	SAVANA G3500	2001 - 2005	V8	Vortec 6000 LQ4	F.I.	O.H.V.	12456342	SWI10197
5964	6.0L	364	SILVERADO 2500	1999 - 2004	V8	Vortec 6000 LQ4	F.I.	O.H.V.	12456342	SWI10197
5964	6.0L	364	SUBURBAN (CH)	2000 - 2006	V8	Vortec 6000 LQ4	F.I.	O.H.V.	12456342	SWI10197
5964	6.0L	364	YUKON DENALI	2001 - 2006	V8	Vortec 6000 LQ4	F.I.	O.H.V.	12456342	SWI10197
5967	6.0L	364	ESCALADE	2002 - 2006	V8	Vortec 6000 LQ9	F.I.	O.H.V.	88894243	SWI10197
5967	6.0L	364	ESCALADE EXT	2002 - 2006	V8	Vortec 6000 LQ9	F.I.	O.H.V.	88894243	SWI10197
5967	6.0L	364	SIERRA 1500	1999 - 2005	V8	Vortec 6000 LQ9	F.I.	O.H.V.	88894243	SWI10197
5967	6.0L	364	SIERRA 2500	1999 - 2004	V8	Vortec 6000 LQ9	F.I.	O.H.V.	88894243	SWI10197
5967	6.0L	364	SIERRA 2500 HD	2001 - 2005	V8	Vortec 6000 LQ9	F.I.	O.H.V.	88894243	SWI10197
5967	6.0L	364	SIERRA 3500	2001 - 2005	V8	Vortec 6000 LQ9	F.I.	O.H.V.	88894243	SWI10197
5967	6.0L	364	SILVERADO 1500	2001 - 2005	V8	Vortec 6000 LQ9	F.I.	O.H.V.	88894243	SWI10197
5967	6.0L	364	SILVERADO 2500HD	2001 - 2005	V8	Vortec 6000 LQ9	F.I.	O.H.V.	88894243	SWI10197
5967	6.0L	364	SILVERADO 3500HD	2001 - 2005	V8	Vortec 6000 LQ9	F.I.	O.H.V.	88894243	SWI10197
5967	6.0L	364	YUKON	2001 - 2005	V8	Vortec 6000 LQ9	F.I.	O.H.V.	88894243	SWI10197

GMC, BUICK, CADILLAC, CHEVROLET, GEO, HUMMER, OLDSMOBILE, PONTIAC, SATURN - CONTINUED

PISTONS

RED = NEW INFORMATION

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PISTON REFERENCE NUMBER	NOA PISTON #	HEAD PAGE #	DIA. mm	1 S T	2 N D	3 R D	O 1	O 2	REMARK
HUMMER, OLDSMOBILE, PONTIAC, SATURN									
12514102	X		101.60	1.98	1.98		4.76		16 VALVE
12514102	X		4.000	0.078	0.078		0.188		16 VALVE
12514102	X								16 VALVE
12514102	X								16 VALVE
12514102	X								16 VALVE
12522850	11-828	333	101.60	1.50	1.50		3.00		16 VALVE
12522850	11-828	333	4.000	0.059	0.059		0.118		16 VALVE
12522850	11-828	333							16 VALVE
12522850	11-828	333							16 VALVE
12522850	11-828	333							16 VALVE
12522850	11-828	333							16 VALVE
12522850	11-828	333							16 VALVE
12522850	11-828	333							16 VALVE
12522850	11-828	333							16 VALVE
12522850	11-828	333							16 VALVE
12522850	11-828	333							16 VALVE
12522850	11-828	333							16 VALVE
12522850	11-828	333							16 VALVE
12522850	11-828	333							16 VALVE
12522850	11-828	333							16 VALVE
12522850	11-828	333							16 VALVE
12522850	11-828	333							16 VALVE
88894003	11-823	332	101.60	1.50	1.50		3.00		16 VALVE
88894003	11-823	332	4.000	0.059	0.059		0.118		16 VALVE
88894003	11-823	332							16 VALVE
88894003	11-823	332							16 VALVE
88894003	11-823	332							16 VALVE
88894003	11-823	332							16 VALVE
88894003	11-823	332							16 VALVE
88894003	11-823	332							16 VALVE
88894003	11-823	332							16 VALVE
88894003	11-823	332							16 VALVE
88894003	11-823	332							16 VALVE
88894003	11-823	332							16 VALVE
88894003	11-823	332							16 VALVE
88894003	11-823	332							16 VALVE
88894003	11-823	332							16 VALVE
88894003	11-823	332							16 VALVE
88894003	11-823	332							16 VALVE
88894003	11-823	332							16 VALVE
88894003	11-823	332							16 VALVE
88894003	11-823	332							16 VALVE
GMC, BUICK, CADILLAC, CHEVROLET, GEO, HUMMER, OLDSMOBILE, PONTIAC, SATURN - CONTINUED									

U.S. APPLICATIONS

PISTON RINGS

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ENGINE SIZE			MODEL NAME	YEAR	C Y L	ENGINE CODE NUMBER	F.I. CARB DIESEL	O.H.V. S.O.H.C. D.O.H.C.	RING REFERENCE NUMBER	NOA PISTON RING #
cc	L	ci								
GMC, BUICK, CADILLAC, CHEVROLET, GEO										
5967	6.0L	364	AVALANCHE	2007 - 2012	V8	Vortec 6000 L76	F.I.	O.H.V.	19178307	SWG10031
5967	6.0L	364	CUTAWAY G3500	2006 - 2009	V8	Vortec 6000 L76	F.I.	O.H.V.	19178307	SWG10031
5967	6.0L	364	EXPRESS G2500	2006 - 2009	V8	Vortec 6000 L76	F.I.	O.H.V.	19178307	SWG10031
5967	6.0L	364	EXPRESS G3500	2006 - 2009	V8	Vortec 6000 L76	F.I.	O.H.V.	19178307	SWG10031
5967	6.0L	364	G8	2008 - 2009	V8	Vortec 6000 L76	F.I.	O.H.V.	19178307	SWG10031
5967	6.0L	364	SAVANA G2500	2006 - 2009	V8	Vortec 6000 L76	F.I.	O.H.V.	19178307	SWG10031
5967	6.0L	364	SAVANA G3500	2006 - 2009	V8	Vortec 6000 L76	F.I.	O.H.V.	19178307	SWG10031
5967	6.0L	364	SIERRA 1500	2006 - 2011	V8	Vortec 6000 L76	F.I.	O.H.V.	19178307	SWG10031
5967	6.0L	364	SILVERADO 1500	2006 - 2010	V8	Vortec 6000 L76	F.I.	O.H.V.	19178307	SWG10031
5967	6.0L	364	TRAILBLAZER	2006 - 2009	V8	Vortec 6000 L76	F.I.	O.H.V.	19178307	SWG10031
5967	6.0L	364	ESCALADE HYBRID	2009 - 2010	V8	Vortec 6000 LFA	F.I.	O.H.V.	19178307	SWG10031
5967	6.0L	364	SIERRA HYBRID	2008 - 2009	V8	Vortec 6000 LFA	F.I.	O.H.V.	19178307	SWG10031
5967	6.0L	364	SILVERADO HYBRID	2008 - 2009	V8	Vortec 6000 LFA	F.I.	O.H.V.	19178307	SWG10031
5967	6.0L	364	TAHOE HYBRID	2008 - 2009	V8	Vortec 6000 LFA	F.I.	O.H.V.	19178307	SWG10031
5967	6.0L	364	YUKON HYBRID	2008 - 2009	V8	Vortec 6000 LFA	F.I.	O.H.V.	19178307	SWG10031
5967	6.0L	364	YUKON HYBRID DENALI	2008 - 2009	V8	Vortec 6000 LFA	F.I.	O.H.V.	19178307	SWG10031
5967	6.0L	364	CORVETTE	2005 - 2008	V8	Vortec 6000 LS2	F.I.	O.H.V.	89017484	SWG10031
5967	6.0L	364	GTO	2005 - 2006	V8	Vortec 6000 LS2	F.I.	O.H.V.	89017484	SWG10031
5967	6.0L	364	SSR	2005 - 2006	V8	Vortec 6000 LS2	F.I.	O.H.V.	89017484	SWG10031
5967	6.0L	364	CTS	2007 - 2008	V8	Vortec 6000 LS2	F.I.	O.H.V.	89017484	SWG10031
5967	6.0L	364	H2	2005 - 2007	V8	Vortec 6000 LS2	F.I.	O.H.V.	89017484	SWG10031
5967	6.0L	364	SIERRA 2500	2005 - 2008	V8	Vortec 6000 LS2	F.I.	O.H.V.	89017484	SWG10031
5967	6.0L	364	SIERRA 2500 HD	2006 - 2015	V8	Vortec 6000 LY6	F.I.	O.H.V.	89017484	SWG10031
5967	6.0L	364	SIERRA 3500	2006 - 2015	V8	Vortec 6000 LY6	F.I.	O.H.V.	89017484	SWG10031
5967	6.0L	364	SILVERADO 2500HD	2006 - 2015	V8	Vortec 6000 LY6	F.I.	O.H.V.	89017484	SWG10031
5967	6.0L	364	SILVERADO 3500HD	2006 - 2015	V8	Vortec 6000 LY6	F.I.	O.H.V.	89017484	SWG10031
5967	6.0L	364	SUBURBAN (CH)	2007 - 2015	V8	Vortec 6000 LY6	F.I.	O.H.V.	89017484	SWG10031
5967	6.0L	364	YUKON XL	2006 - 2015	V8	Vortec 6000 LY6	F.I.	O.H.V.	89017484	SWG10031
5967	6.0L	364	SILVERADO 1500	2010 - 2012	V8	Vortec 6000 L77	F.I.	O.H.V.	19178307	SWG10031
5967	6.0L	364	CUTAWAY G3500	2010 - 2015	V8	Vortec 6000 L96	F.I.	O.H.V.	89017484	SWG10031
5967	6.0L	364	CUTAWAY G4500	2010 - 2015	V8	Vortec 6000 L96	F.I.	O.H.V.	89017484	SWG10031
5967	6.0L	364	EXPRESS G2500	2010 - 2015	V8	Vortec 6000 L96	F.I.	O.H.V.	89017484	SWG10031
5967	6.0L	364	EXPRESS G3500	2010 - 2015	V8	Vortec 6000 L96	F.I.	O.H.V.	89017484	SWG10031
5967	6.0L	364	SAVANA G2500	2010 - 2015	V8	Vortec 6000 L96	F.I.	O.H.V.	89017484	SWG10031
5967	6.0L	364	SAVANA G3500	2010 - 2015	V8	Vortec 6000 L96	F.I.	O.H.V.	89017484	SWG10031
GMC, BUICK, CADILLAC, CHEVROLET, GEO, HUMMER, OLDSMOBILE, PONTIAC, SATURN - CONTINUED										

PISTONS

RED = NEW INFORMATION

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PISTON REFERENCE NUMBER	NOA PISTON #	HEAD PAGE #	DIA. mm	1 S T	2 N D	3 R D	O 1	O 2	REMARK
HUMMER, OLDSMOBILE, PONTIAC, SATURN									
89017849	11-889	346	101.60	1.20	1.50		2.50		16 VALVE
89017849	11-889	346	4.000	0.047	0.059		0.098		16 VALVE
89017849	11-889	346							16 VALVE
89017849	11-889	346							16 VALVE
89017849	11-889	346							16 VALVE
89017849	11-889	346							16 VALVE
89017849	11-889	346							16 VALVE
89017849	11-889	346							16 VALVE
89017849	11-889	346							16 VALVE
19209286	X		101.60	1.20	1.50		2.50		16 VALVE
19209286	X		4.000	0.047	0.059		0.098		16 VALVE
19209286	X								16 VALVE
19209286	X								16 VALVE
19209286	X								16 VALVE
19209286	X								16 VALVE
89017478	X		101.60	1.20	1.50		2.50		16 VALVE
89017478	X		4.000	0.047	0.059		0.098		16 VALVE
89017478	X								16 VALVE
19178305	X		101.60	1.20	1.50		2.50		16 VALVE
19178305	X		4.000	0.047	0.059		0.098		16 VALVE
19178305	X								16 VALVE
89017582	X		101.60	1.20	1.50		2.50		16 VALVE
89017582	X		4.000	0.047	0.059		0.098		16 VALVE
89017582	X								16 VALVE
89017582	X								16 VALVE
89017582	X								3/4 Ton, 16 VALVE
89017582	X								16 VALVE
19209286	X		101.60	1.20	1.50		2.50		16 VALVE
			4.000	0.047	0.059		0.098		
89017849	11-889	346	101.60	1.20	1.50		2.50		16 VALVE
89017849	11-889	346	4.000	0.047	0.059		0.098		16 VALVE
89017849	11-889	346							16 VALVE
89017849	11-889	346							16 VALVE
89017849	11-889	346							16 VALVE
89017849	11-889	346							16 VALVE
GMC, BUICK, CADILLAC, CHEVROLET, GEO, HUMMER, OLDSMOBILE, PONTIAC, SATURN - CONTINUED									

U.S. APPLICATIONS

PISTON RINGS

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RED = NEW INFORMATION

ENGINE SIZE			MODEL NAME	YEAR	CYL	ENGINE CODE NUMBER	F.I. CARB DIESEL	O.H.V. S.O.H.C. D.O.H.C.	RING REFERENCE NUMBER	NOA PISTON RING #
cc	L	ci								
GMC, BUICK, CADILLAC, CHEVROLET, GEO										
5967	6.0L	364	ESCALADE HYBRID	2011 - 2013	V8	Vortec 6000 LZ1	F.I.	O.H.V.	19178307	SWG10031
5967	6.0L	364	SIERRA HYBRID	2010 - 2013	V8	Vortec 6000 LZ1	F.I.	O.H.V.	19178307	SWG10031
5967	6.0L	364	SILVERADO HYBRID	2010 - 2013	V8	Vortec 6000 LZ1	F.I.	O.H.V.	19178307	SWG10031
5967	6.0L	364	TAHOE HYBRID	2010 - 2013	V8	Vortec 6000 LZ1	F.I.	O.H.V.	19178307	SWG10031
5967	6.0L	364	YUKON HYBRID	2010 - 2013	V8	Vortec 6000 LZ1	F.I.	O.H.V.	19178307	SWG10031
5967	6.0L	364	YUKON HYBRID DENALI	2010 - 2013	V8	Vortec 6000 LZ1	F.I.	O.H.V.	19178307	SWG10031
6162	6.2L	376	ESCALADE	2007 - 2009	V8	Vortec 6200 L92	F.I.	O.H.V.	19168090	SWG10050
6162	6.2L	376	ESCALADE EXT	2007 - 2009	V8	Vortec 6200 L92	F.I.	O.H.V.	19168090	SWG10050
6162	6.2L	376	H2	2008 - 2009	V8	Vortec 6200 L92	F.I.	O.H.V.	19198090	SWG10050
6162	6.2L	376	SIERRA 1500 DENALI	2009 - 2015	V8	Vortec 6200 L92	F.I.	O.H.V.	19168090	SWG10050
6162	6.2L	376	SILVERADO 1500	2009 - 2013	V8	Vortec 6200 L92	F.I.	O.H.V.	19198090	SWG10050
6162	6.2L	376	YUKON DENALI	2007 - 2013	V8	Vortec 6200 L92	F.I.	O.H.V.	19168090	SWG10050
6162	6.2L	376	YUKON XL DENALI	2010 - 2013	V8	Vortec 6200 L92	F.I.	O.H.V.	19168090	SWG10050
6162	6.2L	376	CAMARO	2010 - 2015	V8	Vortec 6200 LS3	F.I.	O.H.V.	19168090	SWG10050
6162	6.2L	376	CORVETTE	2008 - 2013	V8	Vortec 6200 LS3	F.I.	O.H.V.	19168090	SWG10050
6162	6.2L	376	G8	2008 - 2009	V8	Vortec 6200 LS3	F.I.	O.H.V.	19168090	SWG10050
6162	6.2L	376	SS	2013 - 2015	V8	Vortec 6200 LS3	F.I.	O.H.V.	19168090	SWG10050
6162	6.2L	376	CORVETTE	2014 - 2015	V8	Vortec 6200 LT1	F.I.	O.H.V.	19168090	SWG10050
6162	6.2L	376	CTS SPORT WAGON	2008 - 2015	V8	Vortec 6200 LSA	F.I.	O.H.V.	19180423	NA
6162	6.2L	376	CTS-V	2008 - 2015	V8	Vortec 6200 LSA	F.I.	O.H.V.	19180423	NA
6162	6.2L	376	CORVETTE ZR1	2008 - 2013	V8	Vortec 6200 LS9	F.I.	O.H.V.	19180423	NA
6162	6.2L	376	CAMARO ZL1	2010 - 2015	V8	Vortec 6200 L99	F.I.	O.H.V.	19168090	SWG10050
6162	6.2L	376	ESCALADE	2010 - 2015	V8	Vortec 6200 L94	F.I.	O.H.V.	19168090	SWG10050
6162	6.2L	376	ESCALADE EXT	2010 - 2015	V8	Vortec 6200 L94	F.I.	O.H.V.	19168090	SWG10050
6162	6.2L	376	CORVETTE Z51	2014 - 2015	V8	Vortec 6200 LT4	F.I.	O.H.V.	19180423	NA
6162	6.2L	376	SILVERADO 1500	2014 - 2015	V8	ECOTEC3 L86	F.I.	O.H.V.	-	NA
6162	6.2L	376	YUKON DENALI	2014 - 2015	V8	ECOTEC3 L86	F.I.	O.H.V.	-	NA
6162	6.2L	376	YUKON XL DENALI	2014 - 2015	V8	ECOTEC3 L86	F.I.	O.H.V.	-	NA
6473	6.5L	395	BLAZER	1994 ONLY	V8	GM 6.5 Diesel	DIESEL	O.H.V.	12369198	SDG10024
6473	6.5L	395	C3500 HD	1992 - 1995	V8	GM 6.5 Diesel	DIESEL	O.H.V.	12369198	SDG10024
6473	6.5L	395	C3500 HD	1999 - 2002	V8	GM 6.5 Diesel	DIESEL	O.H.V.	12369198	SDG10024
6473	6.5L	395	CHEVY Express	1997 - 2002	V8	GM 6.5 Diesel	DIESEL	O.H.V.	12369198	SDG10024
6473	6.5L	395	CHEVY VAN	1994 - 1998	V8	GM 6.5 Diesel	DIESEL	O.H.V.	12369198	SDG10024
6473	6.5L	395	CUTAWAY G3500	1997 - 2002	V8	GM 6.5 Diesel	DIESEL	O.H.V.	12369198	SDG10024
6473	6.5L	395	EXPRESS G2500	1996 - 2002	V8	GM 6.5 Diesel	DIESEL	O.H.V.	12369198	SDG10024
SDG10024 CONTINUED										
GMC, BUICK, CADILLAC, CHEVROLET, GEO, HUMMER, OLDSMOBILE, PONTIAC, SATURN - CONTINUED										

PISTONS

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PISTON REFERENCE NUMBER	NOA PISTON #	HEAD PAGE #	DIA. mm	1 S T	2 N D	3 R D	O 1	O 2	REMARK
HUMMER, OLDSMOBILE, PONTIAC, SATURN									
19209286	X		101.60	1.20	1.50		2.50		16 VALVE
19209286	X		4.000	0.047	0.059		0.098		16 VALVE
19209286	X								16 VALVE
19209286	X								16 VALVE
19209286	X								16 VALVE
19209286	X								16 VALVE
19178597	11-904	350	103.25	1.50	1.50		2.50		16 VALVE
19178597	11-904	350	4.065	0.059	0.059		0.098		16 VALVE
19178597	11-904	350							16 VALVE
19178597	11-904	350							16 VALVE
19178597	11-904	350							16 VALVE
19178597	11-904	350							16 VALVE
19178597	11-904	350							16 VALVE
19207287	X		103.25	1.50	1.50		2.50		STD Trans., 16 VALVE
19207287	X		4.065	0.059	0.059		0.098		16 VALVE
19207287	X								16 VALVE
19207287	X								16 VALVE
19207287	X								16 VALVE
19180413	X		103.25						16 VALVE
19180413	X		4.065	0.000	0.000		0.000		16 VALVE
19180414	X		103.25						Supercharger, 16 VALVE
			4.065	0.000	0.000		0.000		
19208471	11-904	350	103.25	1.50	1.50		2.50		AUTO Trans., 16 VALVE
19208471	11-904	350	4.065	0.059	0.059		0.098		16 VALVE
19208471	11-904	350							16 VALVE
-	X		103.25						Supercharger, 16 VALVE
			4.065	0.000	0.000		0.000		
-	X		103.25						16 VALVE
-	X		4.065	0.000	0.000		0.000		16 VALVE
-	X								16 VALVE
12550059	11-830	333	103.00	3.0K	2.00		4.00		(Detroit Diesel), 16 VALVE
12550059	11-830	333	4.055	0.018K	0.079		0.157		(Detroit Diesel), 16 VALVE
12550059	11-830	333							(Detroit Diesel), 16 VALVE
12550059	11-830	333							(Detroit Diesel), 16 VALVE
12550059	11-830	333							(Detroit Diesel), 16 VALVE
12550059	11-830	333							(Detroit Diesel), 16 VALVE
12550059	11-830	333							(Detroit Diesel), 16 VALVE
11-830 CONTINUED									
GMC, BUICK, CADILLAC, CHEVROLET, GEO, HUMMER, OLDSMOBILE, PONTIAC, SATURN - CONTINUED									

U.S. APPLICATIONS

PISTON RINGS

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ENGINE SIZE			MODEL NAME	YEAR	CYL	ENGINE CODE NUMBER	F.I. CARB DIESEL	O.H.V. S.O.H.C. D.O.H.C.	RING REFERENCE NUMBER	NOA PISTON RING #
cc	L	ci								
GMC, BUICK, CADILLAC, CHEVROLET, GEO										
6473	6.5L	395	EXPRESS G3500	1996 - 2002	V8	GM 6.5 Diesel	DIESEL	O.H.V.	12369198	SDG10024
6473	6.5L	395	H1	2002 - 2004	V8	GM 6.5 Diesel	DIESEL	O.H.V.	12369198	SDG10024
6473	6.5L	395	H1 ALPHA	2002 - 2004	V8	GM 6.5 Diesel	DIESEL	O.H.V.	12369198	SDG10024
6473	6.5L	395	PICKUP (Chev)	1992 - 2000	V8	GM 6.5 Diesel	DIESEL	O.H.V.	12369198	SDG10024
6473	6.5L	395	PICKUP (GMC)	1994 - 2000	V8	GM 6.5 Diesel	DIESEL	O.H.V.	12369198	SDG10024
6473	6.5L	395	RALLY	1994 - 1995	V8	GM 6.5 Diesel	DIESEL	O.H.V.	12369198	SDG10024
6473	6.5L	395	RV CUTAWAY	1997 - 2002	V8	GM 6.5 Diesel	DIESEL	O.H.V.	12369198	SDG10024
6473	6.5L	395	SAVANA G2500	1996 - 2002	V8	GM 6.5 Diesel	DIESEL	O.H.V.	12369198	SDG10024
6473	6.5L	395	SAVANA G3500	1996 - 2002	V8	GM 6.5 Diesel	DIESEL	O.H.V.	12369198	SDG10024
6473	6.5L	395	SPORTVAN	1994 - 1995	V8	GM 6.5 Diesel	DIESEL	O.H.V.	12369198	SDG10024
6473	6.5L	395	SUBURBAN (CH)	1992 - 1998	V8	GM 6.5 Diesel	DIESEL	O.H.V.	12369198	SDG10024
6473	6.5L	395	SUBURBAN (GM)	1994 - 1999	V8	GM 6.5 Diesel	DIESEL	O.H.V.	12369198	SDG10024
6473	6.5L	395	VANDURA	1994 - 1995	V8	GM 6.5 Diesel	DIESEL	O.H.V.	12369198	SDG10024
6473	6.5L	395	YUKON	1994 - 1997	V8	GM 6.5 Diesel	DIESEL	O.H.V.	12369198	SDG10024
6473	6.5L	395	CHEVY Express	1996 ONLY	V8	GM 6.5 Diesel	DIESEL	O.H.V.	12369198	SDG10024
6473	6.5L	395	CHEVY VAN	1996 - 1998	V8	GM 6.5 Diesel	DIESEL	O.H.V.	12369198	SDG10024
6473	6.5L	395	CUTAWAY G30	1996 ONLY	V8	GM 6.5 Diesel	DIESEL	O.H.V.	12369198	SDG10024
6473	6.5L	395	PICKUP (Chev)	1996 ONLY	V8	GM 6.5 Diesel	DIESEL	O.H.V.	12369198	SDG10024
6473	6.5L	395	PICKUP (GMC)	1996 ONLY	V8	GM 6.5 Diesel	DIESEL	O.H.V.	12369198	SDG10024
6473	6.5L	395	RV CUTAWAY	1996 ONLY	V8	GM 6.5 Diesel	DIESEL	O.H.V.	12369198	SDG10024
6473	6.5L	395	SPORTVAN	1996 ONLY	V8	GM 6.5 Diesel	DIESEL	O.H.V.	12369198	SDG10024
6473	6.5L	395	SUBURBAN (CH)	1996 ONLY	V8	GM 6.5 Diesel	DIESEL	O.H.V.	12369198	SDG10024
6473	6.5L	395	SUBURBAN (GM)	1996 ONLY	V8	GM 6.5 Diesel	DIESEL	O.H.V.	12369198	SDG10024
6473	6.5L	395	TAHOE	1995 - 1999	V8	GM 6.5 Diesel	DIESEL	O.H.V.	12369198	SDG10024
6599	6.6L	403	CUTAWAY G3500	2001 - 2004	V8	Duramax LB7	DIESEL	O.H.V.	97386951	SDI10183
6599	6.6L	403	CUTAWAY G3500	2001 - 2004	V8	Duramax LB7	DIESEL	O.H.V.	97386951	SDI10183
6599	6.6L	403	EXPRESS G2500	2001 - 2004	V8	Duramax LB7	DIESEL	O.H.V.	97386951	SDI10183
6599	6.6L	403	EXPRESS G2500	2001 - 2004	V8	Duramax LB7	DIESEL	O.H.V.	97386951	SDI10183
6599	6.6L	403	EXPRESS G3500	2001 - 2004	V8	Duramax LB7	DIESEL	O.H.V.	97386951	SDI10183
6599	6.6L	403	EXPRESS G3500	2001 - 2004	V8	Duramax LB7	DIESEL	O.H.V.	97386951	SDI10183
6599	6.6L	403	SIERRA 2500 HD	2001 - 2004	V8	Duramax LB7	DIESEL	O.H.V.	97386951	SDI10183
6599	6.6L	403	SIERRA 2500 HD	2001 - 2004	V8	Duramax LB7	DIESEL	O.H.V.	97386951	SDI10183
6599	6.6L	403	SIERRA 3500	2001 - 2004	V8	Duramax LB7	DIESEL	O.H.V.	97386951	SDI10183
6599	6.6L	403	SIERRA 3500	2001 - 2004	V8	Duramax LB7	DIESEL	O.H.V.	97386951	SDI10183
6599	6.6L	403	SILVERADO 2500HD	2001 - 2004	V8	Duramax LB7	DIESEL	O.H.V.	97386951	SDI10183
6599	6.6L	403	SILVERADO 2500HD	2001 - 2004	V8	Duramax LB7	DIESEL	O.H.V.	97386951	SDI10183
6599	6.6L	403	SILVERADO 3500HD	2001 - 2004	V8	Duramax LB7	DIESEL	O.H.V.	97386951	SDI10183
6599	6.6L	403	SILVERADO 3500HD	2001 - 2004	V8	Duramax LB7	DIESEL	O.H.V.	97386951	SDI10183
6599	6.6L	403	TOPKICK	2002 - 2004	V8	Duramax LB7	DIESEL	O.H.V.	97386951	SDI10183
6599	6.6L	403	TOPKICK	2002 - 2004	V8	Duramax LB7	DIESEL	O.H.V.	97386951	SDI10183
GMC, BUICK, CADILLAC, CHEVROLET, GEO, HUMMER, OLDSMOBILE, PONTIAC, SATURN - CONTINUED										

PISTONS

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PISTON REFERENCE NUMBER	NOA PISTON #	HEAD PAGE #	DIA. mm	1 S T	2 N D	3 R D	O 1	O 2	REMARK
HUMMER, OLDSMOBILE, PONTIAC, SATURN									
12550059	11-830	333							(Detroit Diesel), 16 VALVE
12550059	11-830	333							(Detroit Diesel) 16 VALVE
12550059	11-830	333							(Detroit Diesel) 16 VALVE
12550059	11-830	333							(Detroit Diesel), 16 VALVE
12550059	11-830	333							(Detroit Diesel), 16 VALVE
12550059	11-830	333							(Detroit Diesel), 16 VALVE
12550059	11-830	333							(Detroit Diesel), 16 VALVE
12550059	11-830	333							(Detroit Diesel), 16 VALVE
12550059	11-830	333							(Detroit Diesel), 16 VALVE
12550059	11-830	333							(Detroit Diesel), 16 VALVE
12550059	11-830	333							(Detroit Diesel), 16 VALVE
12550059	11-830	333							(Detroit Diesel), 16 VALVE
12550059	11-830	333							(Detroit Diesel), 16 VALVE
12550061	11-830	333	103.00	3.0K	2.00		4.00		(Detroit Diesel), 16 VALVE
12550061	11-830	333	4.055	0.018K	0.079		0.157		(Detroit Diesel), 16 VALVE
12550061	11-830	333							(Detroit Diesel), 16 VALVE
12550061	11-830	333							(Detroit Diesel), 16 VALVE
12550061	11-830	333							(Detroit Diesel), 16 VALVE
12550061	11-830	333							(Detroit Diesel), 16 VALVE
12550061	11-830	333							(Detroit Diesel), 16 VALVE
12550061	11-830	333							(Detroit Diesel), 16 VALVE
12550061	11-830	333							(Detroit Diesel), 16 VALVE
97226117	11-884	345	103.00	2.95	2.00		3.00		LEFT, w/ TURBO, 32 VALVE
97226116	11-884	345	103.00	2.95	2.00		3.00		RIGHT, w/ TURBO, 32 VALVE
97226117	11-884	345	4.055	0.116	0.079		0.118		LEFT, w/ TURBO, 32 VALVE
97226116	11-884	345	4.055	0.116	0.079		0.118		RIGHT, w/ TURBO, 32 VALVE
97226117	11-884	345							LEFT, w/ TURBO, 32 VALVE
97226116	11-884	345							RIGHT, w/ TURBO, 32 VALVE
97226117	11-884	345							LEFT, w/ TURBO, 32 VALVE
97226116	11-884	345							RIGHT, w/ TURBO, 32 VALVE
97226117	11-884	345							LEFT, w/ TURBO, 32 VALVE
97226116	11-884	345							RIGHT, w/ TURBO, 32 VALVE
97226117	11-884	345							LEFT, w/ TURBO, 32 VALVE
97226116	11-884	345							RIGHT, w/ TURBO, 32 VALVE
97226117	11-884	345							LEFT, w/ TURBO, 32 VALVE
97226116	11-884	345							RIGHT, w/ TURBO, 32 VALVE
GMC, BUICK, CADILLAC, CHEVROLET, GEO, HUMMER, OLDSMOBILE, PONTIAC, SATURN - CONTINUED									

U.S. APPLICATIONS

PISTON RINGS

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ENGINE SIZE			MODEL NAME	YEAR	C Y L	ENGINE CODE NUMBER	F.I. CARB DIESEL	O.H.V. S.O.H.C. D.O.H.C.	RING REFERENCE NUMBER	NOA PISTON RING #
cc	L	ci								
6599	6.6L	403	CUTAWAY G3500	2004 - 2005	V8	Duramax LLY	DIESEL	O.H.V.	97386951	SDI10183
6599	6.6L	403	CUTAWAY G3500	2004 - 2005	V8	Duramax LLY	DIESEL	O.H.V.	97386951	SDI10183
6599	6.6L	403	EXPRESS G2500	2004 - 2005	V8	Duramax LLY	DIESEL	O.H.V.	97386951	SDI10183
6599	6.6L	403	EXPRESS G2500	2004 - 2005	V8	Duramax LLY	DIESEL	O.H.V.	97386951	SDI10183
6599	6.6L	403	EXPRESS G3500	2004 - 2005	V8	Duramax LLY	DIESEL	O.H.V.	97386951	SDI10183
6599	6.6L	403	EXPRESS G3500	2004 - 2005	V8	Duramax LLY	DIESEL	O.H.V.	97386951	SDI10183
6599	6.6L	403	SIERRA 2500 HD	2004 - 2005	V8	Duramax LLY	DIESEL	O.H.V.	97386951	SDI10183
6599	6.6L	403	SIERRA 2500 HD	2004 - 2005	V8	Duramax LLY	DIESEL	O.H.V.	97386951	SDI10183
6599	6.6L	403	SIERRA 3500	2004 - 2005	V8	Duramax LLY	DIESEL	O.H.V.	97386951	SDI10183
6599	6.6L	403	SIERRA 3500	2004 - 2005	V8	Duramax LLY	DIESEL	O.H.V.	97386951	SDI10183
6599	6.6L	403	SILVERADO 2500HD	2004 - 2005	V8	Duramax LLY	DIESEL	O.H.V.	97386951	SDI10183
6599	6.6L	403	SILVERADO 2500HD	2004 - 2005	V8	Duramax LLY	DIESEL	O.H.V.	97386951	SDI10183
6599	6.6L	403	SILVERADO 3500HD	2004 - 2005	V8	Duramax LLY	DIESEL	O.H.V.	97386951	SDI10183
6599	6.6L	403	SILVERADO 3500HD	2004 - 2005	V8	Duramax LLY	DIESEL	O.H.V.	97386951	SDI10183
6599	6.6L	403	TOPKICK	2004 - 2005	V8	Duramax LLY	DIESEL	O.H.V.	97386951	SDI10183
6599	6.6L	403	TOPKICK	2004 - 2005	V8	Duramax LLY	DIESEL	O.H.V.	97386951	SDI10183
6599	6.6L	403	CUTAWAY G3500	2006 - 2007	V8	Duramax LBZ	DIESEL	O.H.V.	97386951	SDI10183
6599	6.6L	403	CUTAWAY G3500	2006 - 2007	V8	Duramax LBZ	DIESEL	O.H.V.	97386951	SDI10183
6599	6.6L	403	EXPRESS G2500	2006 - 2007	V8	Duramax LBZ	DIESEL	O.H.V.	97386951	SDI10183
6599	6.6L	403	EXPRESS G2500	2006 - 2007	V8	Duramax LBZ	DIESEL	O.H.V.	97386951	SDI10183
6599	6.6L	403	EXPRESS G3500	2006 - 2007	V8	Duramax LBZ	DIESEL	O.H.V.	97386951	SDI10183
6599	6.6L	403	EXPRESS G3500	2006 - 2007	V8	Duramax LBZ	DIESEL	O.H.V.	97386951	SDI10183
6599	6.6L	403	H1 ALPHA	2006 ONLY	V8	Duramax LBZ	DIESEL	O.H.V.	97386951	SDI10183
6599	6.6L	403	H1 ALPHA	2006 ONLY	V8	Duramax LBZ	DIESEL	O.H.V.	97386951	SDI10183
6599	6.6L	403	SAVANA G2500	2006 - 2007	V8	Duramax LBZ	DIESEL	O.H.V.	97386951	SDI10183
6599	6.6L	403	SAVANA G2500	2006 - 2007	V8	Duramax LBZ	DIESEL	O.H.V.	97386951	SDI10183
6599	6.6L	403	SAVANA G3500	2006 - 2007	V8	Duramax LBZ	DIESEL	O.H.V.	97386951	SDI10183
6599	6.6L	403	SAVANA G3500	2006 - 2007	V8	Duramax LBZ	DIESEL	O.H.V.	97386951	SDI10183
6599	6.6L	403	SIERRA 2500 HD	2006 - 2007	V8	Duramax LBZ	DIESEL	O.H.V.	97386951	SDI10183
6599	6.6L	403	SIERRA 2500 HD	2006 - 2007	V8	Duramax LBZ	DIESEL	O.H.V.	97386951	SDI10183
6599	6.6L	403	SIERRA 3500	2006 - 2007	V8	Duramax LBZ	DIESEL	O.H.V.	97386951	SDI10183
6599	6.6L	403	SIERRA 3500	2006 - 2007	V8	Duramax LBZ	DIESEL	O.H.V.	97386951	SDI10183
6599	6.6L	403	SILVERADO 2500HD	2006 - 2007	V8	Duramax LBZ	DIESEL	O.H.V.	97386951	SDI10183
6599	6.6L	403	SILVERADO 2500HD	2006 - 2007	V8	Duramax LBZ	DIESEL	O.H.V.	97386951	SDI10183
6599	6.6L	403	SILVERADO 3500HD	2006 - 2007	V8	Duramax LBZ	DIESEL	O.H.V.	97386951	SDI10183
6599	6.6L	403	SILVERADO 3500HD	2006 - 2007	V8	Duramax LBZ	DIESEL	O.H.V.	97386951	SDI10183
6599	6.6L	403	TOPKICK	2006 - 2007	V8	Duramax LBZ	DIESEL	O.H.V.	97386951	SDI10183
6599	6.6L	403	TOPKICK	2006 - 2007	V8	Duramax LBZ	DIESEL	O.H.V.	97386951	SDI10183
6599	6.6L	403	CUTAWAY G3500	2007 - 2010	V8	Duramax LMM	DIESEL	O.H.V.	97386951	SDI10183
6599	6.6L	403	CUTAWAY G3500	2007 - 2010	V8	Duramax LMM	DIESEL	O.H.V.	97386951	SDI10183
6599	6.6L	403	EXPRESS G2500	2007 - 2010	V8	Duramax LMM	DIESEL	O.H.V.	97386951	SDI10183
6599	6.6L	403	EXPRESS G2500	2007 - 2010	V8	Duramax LMM	DIESEL	O.H.V.	97386951	SDI10183
6599	6.6L	403	EXPRESS G3500	2007 - 2010	V8	Duramax LMM	DIESEL	O.H.V.	97386951	SDI10183
6599	6.6L	403	EXPRESS G3500	2007 - 2010	V8	Duramax LMM	DIESEL	O.H.V.	97386951	SDI10183
SDI10183 CONTINUED										
GMC, BUICK, CADILLAC, CHEVROLET, GEO, HUMMER, OLDSMOBILE, PONTIAC, SATURN - CONTINUED										

PISTONS

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PISTON REFERENCE NUMBER	NOA PISTON #	HEAD PAGE #	DIA. mm	1 S T	2 N D	3 R D	O 1	O 2	REMARK
HUMMER, OLDSMOBILE, PONTIAC, SATURN									
97226117	11-884	345	103.00	2.95	2.00		3.00		LEFT, w/ TURBO, 32 VALVE
97226116	11-884	345	103.00	2.95	2.00		3.00		RIGHT, w/ TURBO, 32 VALVE
97226117	11-884	345	4.055	0.116	0.079		0.118		LEFT, w/ TURBO, 32 VALVE
97226116	11-884	345	4.055	0.116	0.079		0.118		RIGHT, w/ TURBO, 32 VALVE
97226117	11-884	345							LEFT, w/ TURBO, 32 VALVE
97226116	11-884	345							RIGHT, w/ TURBO, 32 VALVE
97226117	11-884	345							LEFT, w/ TURBO, 32 VALVE
97226116	11-884	345							RIGHT, w/ TURBO, 32 VALVE
97226117	11-884	345							LEFT, w/ TURBO, 32 VALVE
97226116	11-884	345							RIGHT, w/ TURBO, 32 VALVE
97226117	11-884	345							LEFT, w/ TURBO, 32 VALVE
97226116	11-884	345							RIGHT, w/ TURBO, 32 VALVE
97226117	11-884	345							LEFT, w/ TURBO, 32 VALVE
97226116	11-884	345							RIGHT, w/ TURBO, 32 VALVE
-	11-884*	345	103.00	2.95	2.00		3.00		LEFT, w/ TURBO, 32 VALVE
-	11-884*	345	103.00	2.95	2.00		3.00		RIGHT, w/ TURBO, 32 VALVE
-	11-884*	345	4.055	0.116	0.079		0.118		LEFT, w/ TURBO, 32 VALVE
-	11-884*	345	4.055	0.116	0.079		0.118		RIGHT, w/ TURBO, 32 VALVE
-	11-884*	345							LEFT, w/ TURBO, 32 VALVE
-	11-884*	345							RIGHT, w/ TURBO, 32 VALVE
-	11-884*	345							LEFT, w/ TURBO, 32 VALVE
-	11-884*	345							RIGHT, w/ TURBO, 32 VALVE
-	11-884*	345							LEFT, w/ TURBO, 32 VALVE
-	11-884*	345							RIGHT, w/ TURBO, 32 VALVE
-	11-884*	345							LEFT, w/ TURBO, 32 VALVE
-	11-884*	345							RIGHT, w/ TURBO, 32 VALVE
-	11-884*	345							LEFT, w/ TURBO, 32 VALVE
-	11-884*	345							RIGHT, w/ TURBO, 32 VALVE
-	11-884*	345							LEFT, w/ TURBO, 32 VALVE
-	11-884*	345							RIGHT, w/ TURBO, 32 VALVE
-	11-884*	345							LEFT, w/ TURBO, 32 VALVE
-	11-884*	345							RIGHT, w/ TURBO, 32 VALVE
97374385	11-884*	345	103.00	2.95	2.00		3.00		LEFT, w/ TURBO, 32 VALVE
97374384	11-884*	345	103.00	2.95	2.00		3.00		RIGHT, w/ TURBO, 32 VALVE
97374385	11-884*	345	4.055	0.116	0.079		0.118		LEFT, w/ TURBO, 32 VALVE
97374384	11-884*	345	4.055	0.116	0.079		0.118		RIGHT, w/ TURBO, 32 VALVE
97374385	11-884*	345							LEFT, w/ TURBO, 32 VALVE
97374384	11-884*	345							RIGHT, w/ TURBO, 32 VALVE
11-884* CONTINUED									
GMC, BUICK, CADILLAC, CHEVROLET, GEO, HUMMER, OLDSMOBILE, PONTIAC, SATURN - CONTINUED									

U.S. APPLICATIONS

PISTON RINGS

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RED = NEW INFORMATION

ENGINE SIZE			MODEL NAME	YEAR	C Y L	ENGINE CODE NUMBER	F.I. CARB DIESEL	O.H.V. S.O.H.C. D.O.H.C.	RING REFERENCE NUMBER	NOA PISTON RING #
cc	L	ci								

GMC, BUICK, CADILLAC, CHEVROLET, GEO

6599	6.6L	403	SAVANA G2500	2007 - 2010	V8	Duramax LMM	DIESEL	O.H.V.	97386951	SDI10183
6599	6.6L	403	SAVANA G2500	2007 - 2010	V8	Duramax LMM	DIESEL	O.H.V.	97386951	SDI10183
6599	6.6L	403	SAVANA G3500	2007 - 2010	V8	Duramax LMM	DIESEL	O.H.V.	97386951	SDI10183
6599	6.6L	403	SAVANA G3500	2007 - 2010	V8	Duramax LMM	DIESEL	O.H.V.	97386951	SDI10183
6599	6.6L	403	SIERRA 2500 HD	2007 - 2010	V8	Duramax LMM	DIESEL	O.H.V.	97386951	SDI10183
6599	6.6L	403	SIERRA 2500 HD	2007 - 2010	V8	Duramax LMM	DIESEL	O.H.V.	97386951	SDI10183
6599	6.6L	403	SIERRA 3500	2007 - 2010	V8	Duramax LMM	DIESEL	O.H.V.	97386951	SDI10183
6599	6.6L	403	SIERRA 3500	2007 - 2010	V8	Duramax LMM	DIESEL	O.H.V.	97386951	SDI10183
6599	6.6L	403	SILVERADO 2500HD	2007 - 2010	V8	Duramax LMM	DIESEL	O.H.V.	97386951	SDI10183
6599	6.6L	403	SILVERADO 2500HD	2007 - 2010	V8	Duramax LMM	DIESEL	O.H.V.	97386951	SDI10183
6599	6.6L	403	SILVERADO 3500HD	2007 - 2010	V8	Duramax LMM	DIESEL	O.H.V.	97386951	SDI10183
6599	6.6L	403	SILVERADO 3500HD	2007 - 2010	V8	Duramax LMM	DIESEL	O.H.V.	97386951	SDI10183
6599	6.6L	403	TOPKICK	2007 - 2009	V8	Duramax LMM	DIESEL	O.H.V.	97386951	SDI10183
6599	6.6L	403	TOPKICK	2007 - 2009	V8	Duramax LMM	DIESEL	O.H.V.	97386951	SDI10183
6599	6.6L	403	CUTAWAY G3500	2010 - 2011	V8	Duramax LGH	DIESEL	O.H.V.	97386951	SDI10183
6599	6.6L	403	CUTAWAY G3500	2010 - 2011	V8	Duramax LGH	DIESEL	O.H.V.	97386951	SDI10183
6599	6.6L	403	EXPRESS G2500	2010 - 2011	V8	Duramax LGH	DIESEL	O.H.V.	97386951	SDI10183
6599	6.6L	403	EXPRESS G2500	2010 - 2011	V8	Duramax LGH	DIESEL	O.H.V.	97386951	SDI10183
6599	6.6L	403	EXPRESS G3500	2010 - 2011	V8	Duramax LGH	DIESEL	O.H.V.	97386951	SDI10183
6599	6.6L	403	EXPRESS G3500	2010 - 2011	V8	Duramax LGH	DIESEL	O.H.V.	97386951	SDI10183
6599	6.6L	403	SAVANA G2500	2010 - 2011	V8	Duramax LGH	DIESEL	O.H.V.	97386951	SDI10183
6599	6.6L	403	SAVANA G2500	2010 - 2011	V8	Duramax LGH	DIESEL	O.H.V.	97386951	SDI10183
6599	6.6L	403	SAVANA G3500	2010 - 2011	V8	Duramax LGH	DIESEL	O.H.V.	97386951	SDI10183
6599	6.6L	403	SAVANA G3500	2010 - 2011	V8	Duramax LGH	DIESEL	O.H.V.	97386951	SDI10183
6599	6.6L	403	SIERRA 2500 HD	2010 - 2011	V8	Duramax LGH	DIESEL	O.H.V.	97386951	SDI10183
6599	6.6L	403	SIERRA 2500 HD	2010 - 2011	V8	Duramax LGH	DIESEL	O.H.V.	97386951	SDI10183
6599	6.6L	403	SIERRA 3500	2010 - 2011	V8	Duramax LGH	DIESEL	O.H.V.	97386951	SDI10183
6599	6.6L	403	SIERRA 3500	2010 - 2011	V8	Duramax LGH	DIESEL	O.H.V.	97386951	SDI10183
6599	6.6L	403	SILVERADO 2500HD	2010 - 2011	V8	Duramax LGH	DIESEL	O.H.V.	97386951	SDI10183
6599	6.6L	403	SILVERADO 2500HD	2010 - 2011	V8	Duramax LGH	DIESEL	O.H.V.	97386951	SDI10183
6599	6.6L	403	SILVERADO 3500HD	2010 - 2011	V8	Duramax LGH	DIESEL	O.H.V.	97386951	SDI10183
6599	6.6L	403	SILVERADO 3500HD	2010 - 2011	V8	Duramax LGH	DIESEL	O.H.V.	97386951	SDI10183
6599	6.6L	403	CUTAWAY G3500	2011 - 2015	V8	Duramax LML	DIESEL	O.H.V.	97386951	SDI10183
6599	6.6L	403	CUTAWAY G4500	2011 - 2015	V8	Duramax LML	DIESEL	O.H.V.	97386951	SDI10183
6599	6.6L	403	EXPRESS G2500	2011 - 2015	V8	Duramax LML	DIESEL	O.H.V.	97386951	SDI10183
6599	6.6L	403	EXPRESS G3500	2011 - 2015	V8	Duramax LML	DIESEL	O.H.V.	97386951	SDI10183
6599	6.6L	403	SAVANA G2500	2011 - 2015	V8	Duramax LML	DIESEL	O.H.V.	97386951	SDI10183
6599	6.6L	403	SAVANA G3500	2011 - 2015	V8	Duramax LML	DIESEL	O.H.V.	97386951	SDI10183
6599	6.6L	403	SIERRA 2500 HD	2011 - 2015	V8	Duramax LML	DIESEL	O.H.V.	97386951	SDI10183
6599	6.6L	403	SIERRA 3500	2011 - 2015	V8	Duramax LML	DIESEL	O.H.V.	97386951	SDI10183
6599	6.6L	403	SILVERADO 2500HD	2011 - 2015	V8	Duramax LML	DIESEL	O.H.V.	97386951	SDI10183
6599	6.6L	403	SILVERADO 3500HD	2011 - 2015	V8	Duramax LML	DIESEL	O.H.V.	97386951	SDI10183

GMC, BUICK, CADILLAC, CHEVROLET, GEO, HUMMER, OLDSMOBILE, PONTIAC, SATURN - CONTINUED

PISTONS

RED = NEW INFORMATION

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PISTON REFERENCE NUMBER	NOA PISTON #	HEAD PAGE #	DIA. mm	1 S T	2 N D	3 R D	O 1	O 2	REMARK
HUMMER, OLDSMOBILE, PONTIAC, SATURN									
97374385	11-884*	345							LEFT, w/ TURBO, 32 VALVE
97374384	11-884*	345							RIGHT, w/ TURBO, 32 VALVE
97374385	11-884*	345							LEFT, w/ TURBO, 32 VALVE
97374384	11-884*	345							RIGHT, w/ TURBO, 32 VALVE
97374385	11-884*	345							LEFT, w/ TURBO, 32 VALVE
97374384	11-884*	345							RIGHT, w/ TURBO, 32 VALVE
97374385	11-884*	345							LEFT, w/ TURBO, 32 VALVE
97374384	11-884*	345							RIGHT, w/ TURBO, 32 VALVE
97374385	11-884*	345							LEFT, w/ TURBO, 32 VALVE
97374384	11-884*	345							RIGHT, w/ TURBO, 32 VALVE
97374385	11-884*	345							LEFT, w/ TURBO, 32 VALVE
97374384	11-884*	345							RIGHT, w/ TURBO, 32 VALVE
19256948	NA		103.00	2.95	2.00		3.00		LEFT, w/ TURBO, 32 VALVE
19256949	NA		103.00	2.95	2.00		3.00		RIGHT, w/ TURBO, 32 VALVE
19256948	NA		4.055	0.116	0.079		0.118		LEFT, w/ TURBO, 32 VALVE
19256949	NA		4.055	0.116	0.079		0.118		RIGHT, w/ TURBO, 32 VALVE
19256948	NA								LEFT, w/ TURBO, 32 VALVE
19256949	NA								RIGHT, w/ TURBO, 32 VALVE
19256948	NA								LEFT, w/ TURBO, 32 VALVE
19256949	NA								RIGHT, w/ TURBO, 32 VALVE
19256948	NA								LEFT, w/ TURBO, 32 VALVE
19256949	NA								RIGHT, w/ TURBO, 32 VALVE
19256948	NA								LEFT, w/ TURBO, 32 VALVE
19256949	NA								RIGHT, w/ TURBO, 32 VALVE
19256948	NA								LEFT, w/ TURBO, 32 VALVE
19256949	NA								RIGHT, w/ TURBO, 32 VALVE
19256948	NA								LEFT, w/ TURBO, 32 VALVE
19256949	NA								RIGHT, w/ TURBO, 32 VALVE
19260446	NA		103.00	2.95	2.00		3.00		w/ TURBO, 32 VALVE
19260446	NA		4.055	0.116	0.079		0.118		w/ TURBO, 32 VALVE
19260446	NA								w/ TURBO, 32 VALVE
19260446	NA								w/ TURBO, 32 VALVE
19260446	NA								w/ TURBO, 32 VALVE
19260446	NA								w/ TURBO, 32 VALVE
19260446	NA								w/ TURBO, 32 VALVE
19260446	NA								w/ TURBO, 32 VALVE
19260446	NA								w/ TURBO, 32 VALVE
19260446	NA								w/ TURBO, 32 VALVE
GMC, BUICK, CADILLAC, CHEVROLET, GEO, HUMMER, OLDSMOBILE, PONTIAC, SATURN - CONTINUED									

U.S. APPLICATIONS

PISTON RINGS

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ENGINE SIZE			MODEL NAME	YEAR	CYL	ENGINE CODE NUMBER	F.I. CARB DIESEL	O.H.V. S.O.H.C. D.O.H.C.	RING REFERENCE NUMBER	NOA PISTON RING #
cc	L	ci								
HINO										
4730	4.7L	289	CLASS 4 - 145	2009 - 2010	4	J05D-TF	DIESEL	S.O.H.C.	-	NA
4730	4.7L	289	CLASS 4 - 165	2009 - 2010	4	J05D-TF	DIESEL	S.O.H.C.	-	NA
4730	4.7L	289	CLASS 5 - 185	2009 - 2010	4	J05D-TF	DIESEL	S.O.H.C.	-	NA
5000	5.0L	305	CLASS 5 - 195	2012 - 2015	4	J05E-TP	DIESEL	S.O.H.C.	13011-E0350	SDH20108*
5000	5.0L	305	CLASS 5 - 195DC	2012 - 2015	4	J05E-TP	DIESEL	S.O.H.C.	13011-E0350	SDH20108*
5000	5.0L	305	CLASS 5 - 195H	2013 - 2015	4	J05E-TPH	DIESEL	S.O.H.C.	13011-E0350	SDH20108*
5000	5.0L	305	CLASS 5 - 195HDC	2013 - 2015	4	J05E-TPH	DIESEL	S.O.H.C.	13011-E0350	SDH20108*
7684	7.7L	469	CLASS 6 - 238	2009 - 2010	6	J08E-TV	DIESEL	S.O.H.C.	13011-4040A	SDH20102
7684	7.7L	469	CLASS 6 - 258ALP	2009 - 2010	6	J08E-TV	DIESEL	S.O.H.C.	13011-4040A	SDH20102
7684	7.7L	469	CLASS 6 - 258LP	2009 - 2010	6	J08E-TV	DIESEL	S.O.H.C.	13011-4040A	SDH20102
7684	7.7L	469	CLASS 6 - 268	2009 - 2010	6	J08E-TV	DIESEL	S.O.H.C.	13011-4040A	SDH20102
7684	7.7L	469	CLASS 6 - 268A	2009 - 2010	6	J08E-TV	DIESEL	S.O.H.C.	13011-4040A	SDH20102
7684	7.7L	469	CLASS 7 - 338	2009 - 2010	6	J08E-TW	DIESEL	S.O.H.C.	13011-4040A	SDH20102
7684	7.7L	469	CLASS 7 - 338CT	2009 - 2010	6	J08E-TW	DIESEL	S.O.H.C.	13011-4040A	SDH20102
8000	8.0L	488	CLASS 6 - 238	2011 - 2015	6	J08E-VC	DIESEL	S.O.H.C.	13011-4040A	SDH20102*
8000	8.0L	488	CLASS 6 - 258ALP	2011 - 2015	6	J08E-VC	DIESEL	S.O.H.C.	13011-4040A	SDH20102*
8000	8.0L	488	CLASS 6 - 258LP	2011 - 2015	6	J08E-VC	DIESEL	S.O.H.C.	13011-4040A	SDH20102*
8000	8.0L	488	CLASS 6 - 268	2011 - 2015	6	J08E-VC	DIESEL	S.O.H.C.	13011-4040A	SDH20102*
8000	8.0L	488	CLASS 6 - 268A	2011 - 2015	6	J08E-VC	DIESEL	S.O.H.C.	13011-4040A	SDH20102*
8000	8.0L	488	CLASS 7 - 338	2011 - 2015	6	J08E-VB	DIESEL	S.O.H.C.	13011-4040A	SDH20102*
8000	8.0L	488	CLASS 7 - 338CT	2011 - 2013	6	J08E-VB	DIESEL	S.O.H.C.	13011-4040A	SDH20102*
HINO - END										

U.S. APPLICATIONS

PISTON RINGS

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RED = NEW INFORMATION

ENGINE SIZE			MODEL NAME	YEAR	CYL	ENGINE CODE NUMBER	F.I. CARB DIESEL	O.H.V. S.O.H.C. D.O.H.C.	RING REFERENCE NUMBER	NOA PISTON RING #
cc	L	ci								
HONDA										
995	1.0L	61	INSIGHT	2000 - 2006	3	ECA-MF2	F.I.	S.O.H.C.	13011-PHM-004	NA
1169	1.2L	71	CIVIC	1973 ONLY	4	EB1	CARB	S.O.H.C.	13011-634-004	SWH30107
1237	1.2L	75	CIVIC	1974 - 1978	4	EB2	CARB	S.O.H.C.	13011-642-004	SWH30184
1237	1.2L	75	CIVIC	1978 ONLY	4	EB3	CARB	S.O.H.C.	13011-673-000	SWH30162
1237	1.2L	75	CIVIC	1979 ONLY	4	EB3	CARB	S.O.H.C.	13011-PA1-004	SWH30162
1335	1.3L	81	CIVIC	1980 ONLY	4	EJ1	CARB	S.O.H.C.	13011-PA0-004	SWH30162
1335	1.3L	81	CIVIC	1981 ONLY	4	EJ1	CARB	S.O.H.C.	13011-PA0-004	SWH30162
1335	1.3L	81	CIVIC	1982 - 1983	4	EJ1	CARB	S.O.H.C.	13011-PA5-004	SWH30219
1339	1.3L	82	CIVIC HYBRID	2003 - 2005	4	LDA-MF3	F.I.	S.O.H.C.	13011-PWA-G01	SWH30474
1339	1.3L	82	CIVIC HYBRID	2006 - 2011	4	LDA-MF3	F.I.	S.O.H.C.	13011-RMX-001	SWH30474
1339	1.3L	82	INSIGHT	2009 - 2015	4	LDA-MF3	F.I.	S.O.H.C.	13011-RBJ-004	NA
1342	1.3L	82	CIVIC	1984 - 1987	4	EV1	CARB	S.O.H.C.	13011-PE0-662	SWH30252
1342	1.3L	82	CIVIC	1984 - 1987	4	EV1	CARB	S.O.H.C.	13011-PE0-662	SWH30252
1342	1.3L	82	CRX	1984 - 1987	4	EV1	C & F	S.O.H.C.	13011-PE0-662	SWH30252
1342	1.3L	82	CRX	1984 - 1987	4	EV1	C & F	S.O.H.C.	13011-PE0-662	SWH30252
1342	1.3L	82	CRX	1984 - 1987	4	D13A2	C & F	S.O.H.C.	13011-PE0-662	SWH30252
1342	1.3L	82	CRX	1984 - 1987	4	D13A2	C & F	S.O.H.C.	13011-PE0-662	SWH30252
1488	1.5L	91	CIVIC	1979 ONLY	4	ED4	CARB	S.O.H.C.	13011-657-674	SWH30114
1488	1.5L	91	CIVIC	1975 - 1978	4	ED3	CARB	S.O.H.C.	13011-657-674	SWH30114
1488	1.5L	91	CIVIC	1980 ONLY	4	EM1	CARB	S.O.H.C.	13011-657-674	SWH30114
1488	1.5L	91	CIVIC	1981 - 1983	4	EM1	CARB	S.O.H.C.	13011-657-674	SWH30114
1488	1.5L	91	CIVIC	1982 - 1983	4	EM1	CARB	S.O.H.C.	13011-PE1-004	SWH30253
1488	1.5L	91	CIVIC	1984 - 1987	4	EW1	CARB	S.O.H.C.	13011-PA6-014	SWH30253
1488	1.5L	91	CIVIC	1984 - 1987	4	EW1	CARB	S.O.H.C.	13011-PA6-014	SWH30253
1488	1.5L	91	CRX	1984 - 1987	4	EW1	CARB	S.O.H.C.	13011-PA6-014	SWH30253
1488	1.5L	91	CRX	1984 - 1987	4	EW1	CARB	S.O.H.C.	13011-PA6-014	SWH30253
1488	1.5L	91	CRX	1984 - 1987	4	EW3	CARB	S.O.H.C.	13011-PA6-014	SWH30253
1488	1.5L	91	CRX	1984 - 1987	4	EW3	CARB	S.O.H.C.	13011-PA6-014	SWH30253
1488	1.5L	91	CRX	1984 - 1987	4	D15A2	CARB	S.O.H.C.	13011-PA6-014	SWH30253
1488	1.5L	91	CRX	1984 - 1987	4	D15A2	CARB	S.O.H.C.	13011-PA6-014	SWH30253
HONDA - CONTINUED										

PISTONS

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PISTON REFERENCE NUMBER	NOA PISTON #	HEAD PAGE #	DIA. mm	1 S T	2 N D	3 R D	O 1	O 2	REMARK
13010-PHM-000	NA		72.00						w/ VTECH-E, 12 VALVE
13101-634-000	DISC. 11-096		70.00	1.50	1.50		2.80		1200
13101-634-670	DISC. 11-097		72.00	1.50	1.50		2.80		1200
13101-634-671	DISC. 11-098		72.00	1.50	1.50		4.00		1200
13101-634-671	DISC. 11-098		72.00	1.50	1.50		4.00		1200
13101-PA0-000	DISC. 11-099		72.00	1.50	1.50		4.00		1300
13101-PA5-000	DISC. 11-100		72.00	1.50	1.50		4.00		1300
13101-PA5-030	DISC. 11-102		72.00	1.00	1.20		2.80		1300
13010-PZA-A00	NA		73.00	1.00	1.20		2.00		w/ VTECH, 8 VALVE
13010-RMX-010	NA		73.00	1.00	1.20		2.00		w/ VTECH, 8 VALVE
13010-RBJ-000	NA		73.00						w/ i-VTECH, 8 VALVE
13101-PE0-660	DISC. 11-109		74.00	1.20	-		2.80		CYL #1,3, 12 VALVE
13105-PE0-660	DISC. 11-109		74.00	1.20	-		2.80		CYL #2,4, 12 VALVE
13101-PE0-660	DISC. 11-109		74.00	1.20	-		2.80		DX CYL #1,3, 12 VALVE
13105-PE0-660	DISC. 11-109		74.00	1.20	-		2.80		DX CYL #2,4, 12 VALVE
13101-PE0-660	DISC. 11-109		74.00	1.20	-		2.80		DX CYL #1,3, 12 VALVE
13105-PE0-660	DISC. 11-109		74.00	1.20	-		2.80		DX CYL #2,4, 12 VALVE
13101-657-030	11-105	281	74.00	1.50	1.50		4.00		CVCC, 12 VALVE
13101-657-670	11-105	281	74.00	1.50	1.50		4.00		CVCC, 12 VALVE
13101-PA6-000	11-106	281	74.00	1.50	1.50		4.00		1500, 12 VALVE
13101-PA6-305	DISC. 11-107		74.00	1.50	1.50		4.00		1500, 12 VALVE
13101-PA6-306	DISC. 11-108		74.00	1.20	1.20		2.80		1500, 12 VALVE
13101-PE1-000	11-111	282	74.00	1.20	1.20		2.80		CYL #1,3, 16 VALVE
13105-PE1-000	11-111	282	74.00	1.20	1.20		2.80		CYL #2,4, 16 VALVE
13101-PE1-000	11-111	282	74.00	1.20	1.20		2.80		Si, DX MODELS CYL #1,3, 16 VALVE
13105-PE1-000	11-111	282	74.00	1.20	1.20		2.80		Si, DX MODELS CYL #2,4, 16 VALVE
13101-PE1-000	11-111	282	74.00	1.20	1.20		2.80		Si, DX MODELS CYL #1,3, 16 VALVE
13105-PE1-000	11-111	282	74.00	1.20	1.20		2.80		Si, DX MODELS CYL #2,4, 16 VALVE
13101-PE1-000	11-111	282	74.00	1.20	1.20		2.80		Si, DX MODELS CYL #1,3, 16 VALVE
13105-PE1-000	11-111	282	74.00	1.20	1.20		2.80		Si, DX MODELS CYL #2,4, 16 VALVE

HONDA - CONTINUED

U.S. APPLICATIONS

PISTON RINGS

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RED = NEW INFORMATION

ENGINE SIZE			MODEL NAME	YEAR	CYL	ENGINE CODE NUMBER	F.I. CARB DIESEL	O.H.V. S.O.H.C. D.O.H.C.	RING REFERENCE NUMBER	NOA PISTON RING #
cc	L	ci								
HONDA										
1488	1.5L	91	CIVIC	1985 ONLY	4	EW3	F.I.	S.O.H.C.	04151-PE7-305	SWH30114
1488	1.5L	91	CIVIC	1986 - 1987	4	EW4	F.I.	S.O.H.C.	04151-PE7-305	SWH30114
1488	1.5L	91	CRX	1985 ONLY	4	EW3	F.I.	S.O.H.C.	04151-PE7-305	SWH30114
1488	1.5L	91	CRX	1986 - 1987	4	EW4	F.I.	S.O.H.C.	04151-PE7-305	SWH30114
1488	1.5L	91	CRX	1986 - 1987	4	D15A3	F.I.	S.O.H.C.	04151-PE7-305	SWH30114
1488	1.5L	91	CRX	1985 - 1986	4	EW1	CARB	S.O.H.C.	13011-PE0-004	SWH30374
1488	1.5L	91	CRX	1985 - 1986	4	EW1	CARB	S.O.H.C.	13011-PE0-004	SWH30374
1493	1.5L	91	CIVIC	1988 - 1991	4	D15B1	F.I.	S.O.H.C.	13011-P04-G02	SWH30365
1493	1.5L	91	CIVIC	1988 - 1991	4	D15B2	F.I.	S.O.H.C.	13011-P04-G02	SWH30365
1493	1.5L	91	CRX	1988 - 1991	4	D15B1	F.I.	S.O.H.C.	13011-P04-G02	SWH30365
1493	1.5L	91	CRX	1988 - 1991	4	D15B2	F.I.	S.O.H.C.	13011-P04-G02	SWH30365
1493	1.5L	91	CIVIC	1992 - 1995	4	D15Z1	F.I.	S.O.H.C.	13011-P07-004	SWH30423
1493	1.5L	91	DEL SOL	1992 - 1993	4	D15Z1	F.I.	S.O.H.C.	13011-P07-004	SWH30423
1493	1.5L	91	CIVIC	1992 - 1995	4	D15B7	F.I.	S.O.H.C.	13011-P10-A03	SWH30362
1493	1.5L	91	DEL SOL	1992 - 1995	4	D15B7	F.I.	S.O.H.C.	13011-P10-A03	SWH30362
1493	1.5L	91	CIVIC	1992 - 1995	4	D15B8	F.I.	S.O.H.C.	13011-P04-G02	SWH30365
1493	1.5L	91	DEL SOL	1992 - 1993	4	D15B8	F.I.	S.O.H.C.	13011-P04-G02	SWH30365
1493	1.5L	91	CRX	1989 - 1991	4	D15B6	F.I.	S.O.H.C.	13011-PM8-A02	SWH30363
1496	1.5L	91	FIT	2007 - 2008	4	L15A1	F.I.	S.O.H.C.	13011-PWC-J01	SWH30474
1497	1.5L	91	CR-Z HYBRID	2010 - 2015	4	LEA	F.I.	S.O.H.C.	13011-RB1-006	SWH30465
1497	1.5L	91	FIT	2009 - 2015	4	L15A7	F.I.	S.O.H.C.	13011-RB1-004	SWH30465
1497	1.5L	91	CIVIC HYBRID	2012 - 2015	4	LEA	F.I.	S.O.H.C.	13011-RW0-004	SWH30479*
1497	1.5L	91	HR-V	2014 - 2016	4	L15B1	F.I.	D.O.H.C.	13011-RNA-A02	SWH30484
1590	1.6L	97	CIVIC	1988 - 1991	4	D16A6	F.I.	S.O.H.C.	13011-PM6-G02	SWH30362
1590	1.6L	97	CRX	1988 - 1991	4	D16A6	F.I.	S.O.H.C.	13011-PM6-G02	SWH30362
1590	1.6L	97	CIVIC	1992 - 1995	4	D16Z6	F.I.	S.O.H.C.	13011-P28-A02	SWH30362
1590	1.6L	97	CIVIC	1992 - 1993	4	D16Z6	F.I.	S.O.H.C.	13011-P28-A02	SWH30362
1590	1.6L	97	DEL SOL	1992 - 1993	4	D16Z6	F.I.	S.O.H.C.	13011-P28-A02	SWH30362
1590	1.6L	97	DEL SOL	1992 - 1995	4	D16Z6	F.I.	S.O.H.C.	13011-P28-A02	SWH30362
1590	1.6L	97	CIVIC	1995 - 2000	4	D16Y8	F.I.	S.O.H.C.	13011-P07-004	SWH30423
1590	1.6L	97	DEL SOL	1996 - 1997	4	D16Y8	F.I.	S.O.H.C.	13011-P07-004	SWH30423
1590	1.6L	97	CIVIC	1996 - 2000	4	D16Y7	F.I.	S.O.H.C.	13011-P2F-A01	SWH30423
1590	1.6L	97	DEL SOL	1996 - 1997	4	D16Y7	F.I.	S.O.H.C.	13011-P07-004	SWH30423

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PISTON REFERENCE NUMBER	NOA PISTON #	HEAD PAGE #	DIA. mm	1 S T	2 N D	3 R D	O 1	O 2	REMARK
HONDA									
13101-PE7-305	11-515	288	74.00	1.50	1.50		4.00		12 VALVE
13101-PE7-305	11-515	288	74.00	1.50	1.50		4.00		12 VALVE
13101-PE7-305	11-515	288	74.00	1.50	1.50		4.00		12 VALVE
13101-PE7-305	11-515	288	74.00	1.50	1.50		4.00		12 VALVE
13101-PE7-305	11-515	288	74.00	1.50	1.50		4.00		12 VALVE
13101-PE1-720	11-521	289	74.00	1.00	1.20		2.80		HF MODELS CYL #1,3, 12 VALVE
13105-PE1-720	11-521	289	74.00	1.00	1.20		2.80		HF MODELS CYL #2,4, 12 VALVE
13101-PM3-020	11-518	288	75.00	1.20	1.50		2.80		16 VALVE
13101-PM3-020	11-518	288	75.00	1.20	1.50		2.80		16 VALVE
13101-PM3-020	11-518	288	75.00	1.20	1.50		2.80		16 VALVE
13101-PM3-020	11-518	288	75.00	1.20	1.50		2.80		16 VALVE
13010-P07-000	11-736	316	75.00	1.00	1.20		2.80		w/ VTECH-E, 16 VALVE
13010-P07-000	11-736	316	75.00	1.00	1.20		2.80		w/ VTECH-E, 16 VALVE
13010-P03-010	DISC. 11-746		75.00	1.20	1.50		2.80		w/o VTECH, 16 VALVE
13010-P03-010	DISC. 11-746		75.00	1.20	1.50		2.80		S MODELS w/o VTECH, 16 VALVE
13010-P03-011	NA		75.00	1.20	1.50		2.80		w/o VTECH, 8 VALVE
13010-P03-011	NA		75.00	1.20	1.50		2.80		w/o VTECH, 8 VALVE
13101-PM8-A01	NA		75.00	1.00	1.20		2.80		HF MODEL, 8 VALVE
13010-PWC-J01	11-890	347	73.00	1.00	1.20		2.00		including Sport, w/ VTECH, 16 VALVE
13010-RB1-000	NA		73.00	1.00	1.20		2.00		w/ i-VTECH, 16 VALVE
13010-RB1-000	NA		73.00	1.00	1.00		2.00		including Sport, w/ i-VTECH, 16 VALVE
13010-RW0-000	NA		73.00	1.00	1.00		2.00		w/ i-VTECH, 16 VALVE
13010-R1A-A00	NA		81.00	1.20	1.20		2.00		w/ i-VTECH, 16 VALVE
13101-PM6-020	11-514	288	75.00	1.20	1.50		2.80		16 VALVE
13101-PM6-020	11-514	288	75.00	1.20	1.50		2.80		Si MODELS, 16 VALVE
13010-P28-A01	11-679	306	75.00	1.20	1.50		2.80		w/ VTECH, 16 VALVE
13010-P28-A01	11-679	306	75.00	1.20	1.50		2.80		w/o VTECH, 16 VALVE
13010-P28-A01	11-679	306	75.00	1.20	1.50		2.80		w/o VTECH, 16 VALVE
13010-P28-A01	11-679	306	75.00	1.20	1.50		2.80		Si MODELS, w/ VTECH, 16 VALVE
13010-P2P-000	11-732	315	75.00	1.00	1.20		2.80		EX , w/ VTECH, 16 VALVE
13010-P2P-000	11-732	315	75.00	1.00	1.20		2.80		Si MODELS, 16 VALVE
13010-P2E-000	11-752	319	75.00	1.00	1.20		2.80		CX, DX, LX, 16 VALVE
13010-P2E-000	11-752	319	75.00	1.00	1.20		2.80		S MODELS, 16 VALVE

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ENGINE SIZE			MODEL NAME	YEAR	C Y L	ENGINE CODE NUMBER	F.I. CARB DIESEL	O.H.V. S.O.H.C. D.O.H.C.	RING REFERENCE NUMBER	NOA PISTON RING #
cc	L	ci								
HONDA										
1590	1.6L	97	CIVIC	1996 - 2000	4	D16Y5	F.I.	S.O.H.C.	13011-P07-004	SWH30423
1590	1.6L	97	CIVIC Si	1999 - 2000	4	B16A2	F.I.	D.O.H.C.	13011-PR3-004	SWH30373
1590	1.6L	97	DEL SOL	1994 - 1995	4	B16A3	F.I.	D.O.H.C.	13011-PR3-004	SWH30373
1590	1.6L	97	DEL SOL	1996 - 1997	4	B16A2	F.I.	D.O.H.C.	13011-PR3-004	SWH30373
1597	1.6L	97	ACCORD	1976 - 1978	4	EF1	CARB	S.O.H.C.	13011-671-010	SWH30114
1668	1.7L	102	CIVIC	2001 - 2005	4	D17A1	F.I.	S.O.H.C.	13011-PLM-A00	SWH30440
1668	1.7L	102	CIVIC	2001 - 2005	4	D17A7	F.I.	S.O.H.C.	13011-PLR-A00	SWH30440
1668	1.7L	102	CIVIC	2001 - 2005	4	D17A8	F.I.	S.O.H.C.	13011-PLR-A00	SWH30440
1751	1.8L	107	ACCORD	1981 - 1983	4	EK1	CARB	S.O.H.C.	13011-676-604	SWH30158
1751	1.8L	107	ACCORD	1979 - 1980	4	EK1	CARB	S.O.H.C.	13011-676-604	SWH30158
1751	1.8L	107	PRELUDE	1979 - 1982	4	EK1	CARB	S.O.H.C.	13011-676-604	SWH30158
1798	1.8L	110	CIVIC	2006 - 2009	4	R18A1	F.I.	S.O.H.C.	13011-RNA-A01	SWH30484
1798	1.8L	110	CIVIC	2010 - 2015	4	R18A1	F.I.	S.O.H.C.	13011-RNB-A02	SWH30484
1829	1.8L	112	PRELUDE	1984 - 1987	4	ET2	CARB	S.O.H.C.	13011-PC6-004	SWH30251
1829	1.8L	112	PRELUDE	1986 - 1987	4	A18A1	CARB	S.O.H.C.	13011-PH2-003	SWH30251
1829	1.8L	112	PRELUDE	1983 ONLY	4	ES1	CARB	S.O.H.C.	13011-PC6-004	SWH30251
1829	1.8L	112	ACCORD	1984 - 1985	4	ES2	CARB	S.O.H.C.	13011-PH2-003	SWH30251
1829	1.8L	112	ACCORD	1985 ONLY	4	ES3	F.I.	S.O.H.C.	13011-PH2-003	SWH30251
1955	2.0L	119	ACCORD	1986 ONLY	4	BT	F.I.	S.O.H.C.	13011-PH4-004	SWH30366
1955	2.0L	119	ACCORD	1987 - 1989	4	A20A3	F.I.	S.O.H.C.	13011-PH4-004	SWH30366
1955	2.0L	119	PRELUDE	1986 - 1987	4	BT	F.I.	S.O.H.C.	13011-PH4-004	SWH30366
1955	2.0L	119	PRELUDE	1986 - 1987	4	A20A3	F.I.	S.O.H.C.	13011-PH4-004	SWH30366
1955	2.0L	119	ACCORD	1986 ONLY	4	BS	CARB	S.O.H.C.	13011-PH4-004	SWH30366
1955	2.0L	119	ACCORD	1987 - 1989	4	A20A1	CARB	S.O.H.C.	13011-PH4-004	SWH30366
1958	2.0L	119	PRELUDE	1988 - 1991	4	B20A3	CARB	S.O.H.C.	13011-PK1-751	SWH30375
1958	2.0L	119	PRELUDE	1988 - 1991	4	B20A5	F.I.	D.O.H.C.	13011-PK1-751	SWH30375
1972	2.0L	120	CR-V	1997 - 1998	4	B20B4	F.I.	D.O.H.C.	13011-P3F-003	SWH30437
1972	2.0L	120	CR-V	1999 ONLY	4	B20Z2	F.I.	D.O.H.C.	13011-P3F-003	SWH30437
1972	2.0L	120	CR-V	2000 - 2002	4	B20Z2	F.I.	D.O.H.C.	13011-PHK-003	SWH30437
1997	2.0L	122	S2000	2000 - 2003	4	F20C1	F.I.	D.O.H.C.	13011-PCX-004	NA

PISTONS

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PISTON REFERENCE NUMBER	NOA PISTON #	HEAD PAGE #	DIA. mm	1 S T	2 N D	3 R D	O 1	O 2	REMARK
HONDA									
13010-P2M-000	11-785	325	75.00	1.00	1.20		2.80		HX , w/ VTECH-E, 16 VALVE
13010-P30-G00	11-737	316	81.00	1.00	1.20		2.80		16 VALVE
13010-P30-G00	11-737	316	81.00	1.00	1.20		2.80		w/ VTECH, 16 VALVE
13010-P30-G00	11-737	316	81.00	1.00	1.20		2.80		w/ VTECH, 16 VALVE
13101-689-000	11-113	282	74.00	1.50	1.50		4.00		12 VALVE
13010-PLM-A00	11-797	327	75.00	1.00	1.20		2.00		DX, LX
13010-PLR-A00	11-798	327	75.00	1.00	1.20		2.00		HX, w/ VTECH-E
13010-PLR-A00	11-798	327	75.00	1.00	1.20		2.00		EX , w/ VTECH,
061A3-PC2-010	DISC. 11-116		77.00	1.50	1.50		4.00		12 VALVE
13101-689-010	DISC. 11-116		77.00	1.50	1.50		4.00		12 VALVE
13101-689-010	DISC. 11-116		77.00	1.50	1.50		4.00		12 VALVE
13010-RNA-A00	11-891	347	81.00	1.20	1.20		2.00		w/ i-VTECH, 16 VALVE
13010-R1A-A00	NA		81.00	1.20	1.20		2.00		w/ i-VTECH, 16 VALVE
13101-PC7-661	11-122	282	80.00	1.50	1.50		4.00		12 VALVE
13101-PC7-661	11-122	282	80.00	1.50	1.50		4.00		12 VALVE
13101-PC6-020	DISC. 11-120		80.00	1.50	1.50		4.00		12 VALVE
13101-PD2-030	DISC. 11-121		80.00	1.50	1.50		4.00		16 VALVE
13102-PD6-010	DISC. 11-121		80.00	1.50	1.50		4.00		16 VALVE
13102-PJ0-010	11-519	288	82.70	1.50	1.50		4.00		12 VALVE
13102-PJ0-307, 8	11-519	288	82.70	1.50	1.50		4.00		12 VALVE
13102-PJ0-307	11-519	288	82.70	1.50	1.50		4.00		12 VALVE
13102-PJ0-307	11-519	288	82.70	1.50	1.50		4.00		12 VALVE
13102-PH4-010	11-520	289	82.70	1.50	1.50		4.00		12 VALVE
13102-PH4-010	11-520	289	82.70	1.50	1.50		4.00		12 VALVE
13101-PK1-010	11-524	289	81.00	1.20	1.50		2.80		12 VALVE
13101-PK2-660	11-525	289	81.00	1.20	1.50		2.80		16 VALVE
13010-P3F-000	11-738	317	84.00	1.20	1.20		2.80		16 VALVE
13010-PHK-000	11-799	327	84.00	1.20	1.20		2.80		16 VALVE
13010-PHK-000	11-799	327	84.00	1.20	1.20		2.80		16 VALVE
13010-PCX-A03	NA		87.00	1.20	1.20		2.00		w/ VTECH, 16 VALVE

U.S. APPLICATIONS

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ENGINE SIZE			MODEL NAME	YEAR	C Y L	ENGINE CODE NUMBER	F.I. CARB DIESEL	O.H.V. S.O.H.C. D.O.H.C.	RING REFERENCE NUMBER	NOA PISTON RING #
cc	L	ci								
HONDA										
1998	2.0L	122	CIVIC Si	2002 - 2005	4	K20A1, 3	F.I.	D.O.H.C.	13011-PNE-G02	SWH30454
1998	2.0L	122	CIVIC Si	2006 - 2011	4	K20Z3	F.I.	D.O.H.C.	13011-PRA-E02	SWH30454
2056	2.1L	125	PRELUDE	1990 - 1991	4	B21A1	F.I.	D.O.H.C.	13011-PK3-A04	SWH30448
2156	2.2L	132	ACCORD	1990 - 1991	4	F22A4	F.I.	S.O.H.C.	13011-P0A-A04	SWH30383
2156	2.2L	132	ACCORD	1990 - 1993	4	F22A1	F.I.	S.O.H.C.	13011-P0A-A04	SWH30383
2156	2.2L	132	ACCORD	1990 - 1993	4	F22A6	F.I.	S.O.H.C.	13011-P0A-A04	SWH30383
2156	2.2L	132	ACCORD	1994 - 1997	4	F22B1	F.I.	S.O.H.C.	13011-P0A-004	SWH30383
2156	2.2L	132	ACCORD	1994 - 1997	4	F22B2	F.I.	S.O.H.C.	13011-P0A-004	SWH30383
2156	2.2L	132	ODYSSEY	1994 - 1997	4	F22B6	F.I.	S.O.H.C.	13011-P0A-004	SWH30383
2156	2.2L	132	PRELUDE	1992 - 1996	4	F22A1	F.I.	S.O.H.C.	13011-P0A-004	SWH30383
2157	2.2L	132	PRELUDE	1992 - 1998	4	H22A1	F.I.	D.O.H.C.	13011-P13-004	SWH30433
2157	2.2L	132	PRELUDE	1997 - 2002	4	H22A4	F.I.	D.O.H.C.	13011-P5M-003	SWH30433*
2157	2.2L	132	S2000	2004 - 2006	4	F22C1	F.I.	D.O.H.C.	13011-PCX-014	NA
2157	2.2L	132	S2000	2007 - 2009	4	F22C1	F.I.	D.O.H.C.	13011-PCX-024	NA
2253	2.3L	137	ODYSSEY	1998 ONLY	4	F23A7	F.I.	S.O.H.C.	13011-PEA-004	SWH30443
2254	2.3L	138	ACCORD	1998 - 2002	4	F23A1	F.I.	S.O.H.C.	13011-P8A-A01	SWH30443
2254	2.3L	138	ACCORD	1998 - 2002	4	F23A4	F.I.	S.O.H.C.	13011-P8A-A01	SWH30443
2254	2.3L	138	ACCORD	1998 - 2002	4	F23A5	F.I.	S.O.H.C.	13011-P8A-A01	SWH30443
2259	2.3L	138	PRELUDE	1992 - 1996	4	H23A1	F.I.	D.O.H.C.	13011-P13-004	SWH30433
2354	2.4L	144	CR-V	2003 - 2006	4	K24A3	F.I.	D.O.H.C.	13011-RAA-A00	SWH30466
2354	2.4L	144	ACCORD	2003 - 2007	4	K24A2, 3, 4	F.I.	D.O.H.C.	13011-RAA-A01	SWH30466
2354	2.4L	144	ELEMENT	2003 - 2006	4	K24A3	F.I.	D.O.H.C.	13010-RAA-A00	SWH30466
2354	2.4L	144	ELEMENT	2007 - 2010	4	K24A8	F.I.	D.O.H.C.	13011-PZD-004	SWH30466
2354	2.4L	144	ACCORD	2013 - 2015	4	K24W1,2,3	F.I.	D.O.H.C.	13011-5A2-A11	NA
2354	2.4L	144	ACCORD CROSSTOUR	2013 - 2015	4	K24W1,2,3	F.I.	D.O.H.C.	13011-5A2-A11	NA
2354	2.4L	144	CIVIC Si	2012 - 2015	4	K24Z7	F.I.	D.O.H.C.	13011-R40-A12	SWH30488
2354	2.4L	144	CR-V	2012 - 2015	4	K24Z6	F.I.	D.O.H.C.	13011-R40-A12	SWH30488
HONDA - CONTINUED										

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PISTON REFERENCE NUMBER	NOA PISTON #	HEAD PAGE #	DIA. mm	1 S T	2 N D	3 R D	O 1	O 2	REMARK
13010-PNC-000	11-866	341	86.00	1.20	1.20		2.00		w/ i-VTECH, 16 VALVE
13010-PRB-A01	11-882	345	86.00	1.20	1.20		2.00		w/ i-VTECH, 16 VALVE
13101-PK3-A01	11-726	314	83.00	1.20	1.20		2.80		16 VALVE
13101-PT3-A01	11-678	306	85.00	1.20	1.20		2.80		EX , 16 VALVE
13101-PT3-A01	11-678	306	85.00	1.20	1.20		2.80		DX, LX, 16 VALVE
13101-PT6-A00	11-678	306	85.00	1.20	1.20		2.80		EX, SE, 16 VALVE
13010-P0A-010	11-751	319	85.00	1.20	1.20		2.80		EX, w/ VTECH, 16 VALVE
13010-P0A-010	11-751	319	85.00	1.20	1.20		2.80		DX, LX, 16 VALVE
13010-P0A-010	11-751	319	85.00	1.20	1.20		2.80		16 VALVE
13010-P12-000	NA		85.00	1.20	1.20		2.80		S MODELS, 16 VALVE
13010-P13-A00	11-739	317	87.00	1.20	1.20		2.80		w/ VTECH, 16 VALVE
13010-P5M-A00	11-741	317	87.00	1.20	1.20		2.80		S, SH, w/ VTECH, 16 VALVE
13010-PCX-A03	NA		87.00	1.20	1.20		2.00		w/ VTECH, 16 VALVE
13010-PZX-A00	NA		87.00	1.20	1.20		2.00		w/ VTECH, 16 VALVE
13010-PEA-000	NA		86.00	1.20	1.20		2.80		16 VALVE
13010-PAA-A00	11-781	325	86.00	1.20	1.20		2.80		LX, w/ VTECH, 16 VALVE
13010-PAA-A00	11-781	325	86.00	1.20	1.20		2.80		EX, w/ VTECH, 16 VALVE
13010-PAB-A00	DISC. 11-784		86.00	1.20	1.20		2.80		DX , SEDAN, 16 VALVES
13010-P14-A00	11-740	317	87.00	1.20	1.20		2.80		Si MODELS, 16 VALVE
13010-PPA-000	11-833	334	87.00	1.20	1.20		2.00		LX, EX, 16 VALVE
13010-RAA-A00	11-834	334	87.00	1.20	1.20		2.00		w/ i-VTECH, 16 VALVE
13010-RAA-A00	11-834	334	87.00	1.20	1.20		2.00		w/ i-VTECH, 16 VALVE
13010-RAA-A01	11-834	334	87.00	1.20	1.20		2.00		w/ i-VTECH, 16 VALVE
13010-5A2-A00	NA		87.00						w/ i-VTECH, 16 VALVE
13010-5A2-A00	NA		87.00						w/ i-VTECH, 16 VALVE
13010-RL5-A10	NA		87.00	1.20	1.20		2.00		16 VALVE
13010-RL5-A10	NA		87.00	1.20	1.20		2.00		LX, EX, 16 VALVE

HONDA - CONTINUED

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ENGINE SIZE			MODEL NAME	YEAR	CYL	ENGINE CODE NUMBER	F.I. CARB DIESEL	O.H.V. S.O.H.C. D.O.H.C.	RING REFERENCE NUMBER	NOA PISTON RING #
cc	L	ci								
HONDA										
2354	2.4L	144	ACCORD	2008 - 2010	4	K24Z2, 3	F.I.	D.O.H.C.	13011-R44-A01	SWH30488
2354	2.4L	144	ACCORD	2011 - 2012	4	K24Z2, 3	F.I.	D.O.H.C.	13011-R40-A12	SWH30488
2354	2.4L	144	ACCORD CROSSTOUR	2010 - 2012	4	K24Z2, 3	F.I.	D.O.H.C.	13011-R40-A12	SWH30488
2354	2.4L	144	CR-V	2007 - 2011	4	K24Z1	F.I.	D.O.H.C.	13011-R44-A01	SWH30488
2559	2.6L	156	PASSPORT	1994 - 1997	4	4ZE1	F.I.	S.O.H.C.	8-97037-801-1	SWI10144
2675	2.7L	163	ACCORD	1995 - 1997	V6	C27A4	F.I.	S.O.H.C.	13011-P0G-A02	SWH30370
2997	3.0L	183	ACCORD	1998 - 2002	V6	J30A1	F.I.	S.O.H.C.	13011-P8A-A01	SWH30432
2997	3.0L	183	ACCORD	2003 - 2007	V6	J30A4, 5	F.I.	S.O.H.C.	13011-RCA-A01	SWH30432
2997	3.0L	183	ACCORD HYBRID	2005 - 2007	V6	JNA1	F.I.	S.O.H.C.	13011-RCA-A01	SWH30432
3165	3.2L	193	PASSPORT	1994 - 2002	V6	6VD1	F.I.	S.O.H.C.	8-97162-198-0	SWI10185
3471	3.5L	212	ODYSSEY	1999 - 2002	V6	J35A1	F.I.	S.O.H.C.	13011-P8F-A01	SWH30438
3471	3.5L	212	ODYSSEY	2003 - 2004	V6	J35A4	F.I.	S.O.H.C.	13011-PGE-A01	SWH30438
3471	3.5L	212	ODYSSEY	2005 - 2010	V6	J35A6	F.I.	S.O.H.C.	13011-PGE-A01	SWH30438
3471	3.5L	212	ODYSSEY	2005 - 2007	V6	J35A7	F.I.	S.O.H.C.	13011-PGE-A01	SWH30438
3471	3.5L	212	PILOT	2002 - 2005	V6	J35A1	F.I.	S.O.H.C.	13011-PGE-A01	SWH30438
3471	3.5L	212	PILOT	2005 - 2008	V6	J35A6, 9	F.I.	S.O.H.C.	13011-PGE-A01	SWH30438
3471	3.5L	212	PILOT	2006 - 2008	V6	J35Z1	F.I.	S.O.H.C.	13011-PGE-A01	SWH30438
3471	3.5L	212	RIDGELINE	2006 - 2008	V6	J35A9	F.I.	S.O.H.C.	13011-PGE-A01	SWH30438
3471	3.5L	212	ACCORD	2008 - 2012	V6	J35Z2, 3	F.I.	S.O.H.C.	13011-R70-A02	SWH30438
3471	3.5L	212	ACCORD CROSSTOUR	2010 - 2012	V6	J35Z2, 3	F.I.	S.O.H.C.	13011-R70-A02	SWH30438
3471	3.5L	212	PILOT	2009 - 2011	V6	J35Z4	F.I.	S.O.H.C.	13011-R70-A02	SWH30438
3471	3.5L	212	RIDGELINE	2009 - 2011	V6	J35Z5	F.I.	S.O.H.C.	13011-R70-A02	SWH30438
3471	3.5L	212	ACCORD	2013 - 2015	V6	J35Y1	F.I.	S.O.H.C.	13011-5G0-A01	NA
3471	3.5L	212	ACCORD CROSSTOUR	2013 - 2015	V6	J35Y1	F.I.	S.O.H.C.	13011-5G0-A01	NA
3471	3.5L	212	ODYSSEY	2011 - 2015	V6	J35A7	F.I.	S.O.H.C.	13011-5G0-A01	NA
3471	3.5L	212	PILOT	2012 - 2015	V6	J35Z4	F.I.	S.O.H.C.	13011-5G0-A01	NA
3471	3.5L	212	ACCORD	2013 - 2015	V6	J35Y2	F.I.	S.O.H.C.	13011-5G0-A01	NA
3471	3.5L	212	ACCORD CROSSTOUR	2013 - 2015	V6	J35Y2	F.I.	S.O.H.C.	13011-5G0-A01	NA
3471	3.5L	212	RIDGELINE	2012 - 2015	V6	J35Z5	F.I.	S.O.H.C.	13011-5G0-A01	NA
HONDA - END										

PISTONS

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PISTON REFERENCE NUMBER	NOA PISTON #	HEAD PAGE #	DIA. mm	1 S T	2 N D	3 R D	O 1	O 2	REMARK
HONDA									
13010-R40-A00	11-905	350	87.00	1.20	1.20		2.00		w/ i-VTECH, 16 VALVE
13010-R40-A00	11-905	350	87.00	1.20	1.20		2.00		w/ i-VTECH, 16 VALVE
13010-R40-A00	11-905	350	87.00	1.20	1.20		2.00		w/ i-VTECH, 16 VALVE
13010-R40-A00	11-905	350	87.00	1.20	1.20		2.00		LX, EX, 16 VALVE
8-97037-801-1	11-559	293	92.60	1.50	1.50		4.00		8 VALVE
13010-P0G-A00	DISC. 11-783		87.00	1.20	1.20		4.00		EX, LX, 24 VALVE
13010-P8A-A00	11-791	326	86.00	1.20	1.20		2.80		EX, LX, w/ VTECH, 24 VALVE
13010-RCA-A00	11-832	333	86.00	1.20	1.20		2.80		EX, LX, w/ i-VTECH, 24 VALVE
13010-RCA-A00	11-832	333	86.00	1.20	1.20		2.80		w/ i-VTECH, 24 VALVE
8-94374-965-1	11-686	307	93.40	1.50	1.50		4.00		24 VALVE
13010-P8F-A00	11-835	334	89.00	1.20	1.20		2.80		LX, EX, EX-L, 24 VALVE
13010-PGK-A01	11-836	334	89.00	1.20	1.20		2.80		LX, EX, EX-L, 24 VALVE
13010-RGL-A00	11-836	334	89.00	1.20	1.20		2.80		LX, EX, EX-L, 24 VALVE
13010-RGM-A00	11-836	334	89.00	1.20	1.20		2.80		LX, EX, EX-L, 24 VALVE
13010-PGK-A01	11-836	334	89.00	1.20	1.20		2.80		2WD, w/ VTECH, 24 VALVE
13010-RGL-A00	11-836	334	89.00	1.20	1.20		2.80		w/ VTECH, 24 VALVE
13010-RGM-A00	11-836	334	89.00	1.20	1.20		2.80		2WD, w/ VTECH, 24 VALVE
13010-RGL-A00	11-836	334	89.00	1.20	1.20		2.80		w/ VTECH, 24 VALVE
13010-R70-A00	11-906	351	89.00	1.20	1.20		2.80		EX, EX-L, w/I-VTECH, 24 VALVE
13010-R70-A00	11-906	351	89.00	1.20	1.20		2.80		EX, EX-L, w/I-VTECH, 24 VALVE
13010-R70-A00	11-906	351	89.00	1.20	1.20		2.80		w/ VTECH, 24 VALVE
13010-R72-A00	NA		89.00	1.20	1.20		2.80		w/ VTECH, 24 VALVE
13010-R70-A10	NA		89.00						EX, EX-L, w/I-VTECH, AUTO, 24 VALVE
13010-R70-A10	NA		89.00						EX, EX-L, w/I-VTECH, AUTO, 24 VALVE
13010-R70-A10	NA		89.00						LX, EX, EX-L, 24 VALVE
13010-R70-A10	NA		89.00						w/ VTECH, 24 VALVE
13010-R72-A10	NA		89.00						EX, EX-L, w/I-VTECH, STD, 24 VALVE
13010-R72-A10	NA		89.00						EX, EX-L, w/I-VTECH, STD, 24 VALVE
13010-R72-A10	NA		89.00						w/ VTECH, 24 VALVE
HONDA - END									

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PISTON RINGS

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ENGINE SIZE			MODEL NAME	YEAR	CYL	ENGINE CODE NUMBER	F.I. CARB DIESEL	O.H.V. S.O.H.C. D.O.H.C.	RING REFERENCE NUMBER	NOA PISTON RING #
cc	L	ci								
1468	1.5L	90	EXCEL	1986 - 1989	4	G4DJ	CARB	S.O.H.C.	23040-21210	SWG30023
1468	1.5L	90	EXCEL	1990 - 1995	4	G4DJ	F.I.	S.O.H.C.	23040-24200	SWG30023
1468	1.5L	90	SCOUPE	1990 - 1993	4	ALPHA G4DJ	F.I.	S.O.H.C.	23040-24200	SWG30023
1468	1.5L	90	SCOUPE	1993 - 1995	4	ALPHA G4AE	F.I.	S.O.H.C.	23040-22010	SWG30017
1468	1.5L	90	ACCENT	1995 - 1999	4	ALPHA G4AE	F.I.	S.O.H.C.	23040-22010	SWG30017
1468	1.5L	90	SCOUPE	1993 - 1995	4	ALPHA G4AE	F.I.	S.O.H.C.	23040-22010	SWG30017
1468	1.5L	90	ACCENT	1996 - 1997	4	ALPHA G4EK	F.I.	D.O.H.C.	23040-26001	SWG30019
1468	1.5L	90	SCOUPE	1993 - 1995	4	ALPHA G4AE	F.I.	S.O.H.C.	23040-22010	SWG30017
1468	1.5L	90	SCOUPE	1993 - 1995	4	ALPHA G4AE	F.I.	S.O.H.C.	23040-22010	SWG30017
1468	1.5L	90	ACCENT	2000 - 2003	4	ALPHA G4EB	F.I.	S.O.H.C.	23040-22601	SWG30017
1591	1.6L	97	ACCENT	2011 - 2015	4	GAMMA II 1.6L	F.I.	D.O.H.C.	23040-2B600	SWG30046
1591	1.6L	97	VELOSTER	2012 - 2015	4	GAMMA II 1.6L	F.I.	D.O.H.C.	23040-2B600	SWG30046
1595	1.6L	97	ELANTRA	1992 - 1995	4	SIRIUS G4CR	F.I.	D.O.H.C.	23040-33030	SWM31049
1599	1.6L	98	ACCENT	2001 - 2005	4	ALPHA G4ED	F.I.	D.O.H.C.	23040-26101	SWG30030
1599	1.6L	98	ACCENT	2006 - 2010	4	ALPHA II G4ED	F.I.	D.O.H.C.	23040-26160	SWG30034
1796	1.8L	110	TIBURON	1996 - 1998	4	G4GB	F.I.	D.O.H.C.	23040-23000	SWG30028
1797	1.8L	110	ELANTRA	2011 - 2015	4	Nu 1.8L	F.I.	D.O.H.C.	23040-2E000	NA
1836	1.8L	112	ELANTRA	1993 - 1998	4	G4JN	F.I.	D.O.H.C.	23040-33430	SWM31058
1975	2.0L	121	ELANTRA	2001 - 2005	4	BETA G4GF	F.I.	D.O.H.C.	23040-23200	SWG30028
1975	2.0L	121	TIBURON	2002 - 2008	4	BETA G4GF	F.I.	D.O.H.C.	23040-23200	SWG30028
1975	2.0L	121	ELANTRA	1999 - 2000	4	BETA G4GF	F.I.	D.O.H.C.	23040-23200	SWG30028
1975	2.0L	121	TIBURON	1996 - 2001	4	BETA G4GF	F.I.	D.O.H.C.	23040-23200	SWG30028
1975	2.0L	121	TUCSON	2004 - 2007	4	BETA II G4GF	F.I.	D.O.H.C.	23040-23300	SWG30054
1975	2.0L	121	ELANTRA	2006 - 2010	4	BETA II G4JP	F.I.	D.O.H.C.	23040-23400	SWG30054
1975	2.0L	121	ELANTRA TOURING	2009 - 2010	4	BETA II G4JP	F.I.	D.O.H.C.	23040-23400	SWG30054
1975	2.0L	121	TUCSON	2008 - 2009	4	BETA II G4GF	F.I.	D.O.H.C.	23040-23400	SWG30054
1998	2.0L	122	GENESIS COUPE	2010 - 2015	4	THETA II G4KD	F.I.	D.O.H.C.	23040-2C400	SWG30042
1998	2.0L	122	SANTA FE	2013 - 2015	4	THETA II G4KD	F.I.	D.O.H.C.	23040-2C400	SWG30042
1998	2.0L	122	SONATA	2011 - 2015	4	THETA II G4KD	F.I.	D.O.H.C.	23040-2C400	SWG30042
1998	2.0L	122	TUCSON	2011 - 2013	4	THETA II 2.0L	F.I.	D.O.H.C.	23040-2C400	SWG30042

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PISTON REFERENCE NUMBER	NOA PISTON #	HEAD PAGE #	DIA. mm	1 S T	2 N D	3 R D	O 1	O 2	REMARK
HYUNDAI									
23410-21114	11-529	290	75.50	1.50	1.50		4.00		12 VALVE
23410-24110	11-530	290	75.50	1.50	1.50		4.00		8 VALVE
23410-24110	11-530	290	75.50	1.50	1.50		4.00		8 VALVE
23410-22010	NA		75.50	1.50	1.50		3.00		12 VALVE
23410-22410	11-691	308	75.50	1.50	1.50		3.00		12 VALVE
23410-22410	11-691	308	75.50	1.50	1.50		3.00		12 VALVE
23410-26012	11-730	315	75.50	1.20	1.50		3.00		16 VALVE
23410-22110	11-742	318	75.50	1.50	1.50		3.00		w/TURBO, 12 VALVE
23410-22160	11-742	318	75.50	1.50	1.50		3.00		w/TURBO, 12 VALVE
23410-22612	11-837	335	75.50	1.50	1.50		3.00		12 VALVE
23041-2B600	NA		77.00	1.20	1.20		2.00		16 VALVE
23041-2B600	NA		77.00	1.20	1.20		2.00		16 VALVE
23410-33010	11-729	314	82.30	1.20	1.50		3.00		mitsubishi Engine, 16 VALVE
23410-26121	DISC. 11-819		76.50	1.20	1.20		2.50		16 VALVE
23410-26501	NA		76.50	1.20	1.20		2.00		16 VALVE
23410-23010	11-693	309	82.00	1.20	1.20		2.50		16 VALVE
23041-2E100	NA		81.00						16 VALVE
23410-33410	11-690	308	81.50	1.20	1.50		3.00		16 VALVE
23410-23711	11-838	335	82.00	1.20	1.20		2.50		16 VALVE
23410-23711	11-838	335	82.00	1.20	1.20		2.50		FX MODELS, 16 VALVE
23410-23210	NA		82.00	1.20	1.20		2.50		16 VALVE
23410-23210	NA		82.00	1.20	1.20		2.50		16 VALVE
23410-23300	11-901	349	82.00	1.20	1.20		2.00		16 VALVE
23410-23AA0	11-901	349	82.00	1.20	1.20		2.00		16 VALVE
23410-23AA0	11-901	349	82.00	1.20	1.20		2.00		16 VALVE
23410-23AA0	11-901	349	82.00	1.20	1.20		2.00		16 VALVE
23410-2C400	11-909	351	86.00	1.20	1.20		2.00		w/ TURBO, 16 VALVE
23410-2C400	11-909	351	86.00	1.20	1.20		2.00		w/ TURBO, 16 VALVE
23410-2C400	11-909	351	86.00	1.20	1.20		2.00		w/ TURBO, 16 VALVE
23410-2C400	11-909	351	86.00	1.20	1.20		2.00		16 VALVE

U.S. APPLICATIONS

PISTON RINGS

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ENGINE SIZE			MODEL NAME	YEAR	C Y L	ENGINE CODE NUMBER	F.I. CARB DIESEL	O.H.V. S.O.H.C. D.O.H.C.	RING REFERENCE NUMBER	NOA PISTON RING #
cc	L	ci								
1999	2.0L	122	TUCSON	2013 - 2015	4	Nu 2.0L	F.I.	D.O.H.C.	23040-2E000*	NA
2350	2.4L	143	SONATA	1989 - 1991	4	G4JS	F.I.	S.O.H.C.	23040-32610	SWG30024
2350	2.4L	143	SONATA	1992 - 1998	4	G4CP	F.I.	D.O.H.C.	23040-33150	SWG30027
2350	2.4L	143	SANTA FE	2001 - 2004	4	SIRIUS II G4JS	F.I.	D.O.H.C.	23040-38200	SWG30047
2350	2.4L	143	SONATA	1999 - 2005	4	SIRIUS II G4JS	F.I.	D.O.H.C.	23040-38200	SWG30047
2350	2.4L	143	SONATA	2006 - 2010	4	SIRIUS II G4JS	F.I.	D.O.H.C.	23040-38212	SWG30047
2359	2.4L	144	SONATA	2011 - 2015	4	THETA II G4KC	F.I.	D.O.H.C.	23040-25200	SWG30041
2359	2.4L	144	SONATA HYBRID	2011 - 2015	4	THETA II G4KH	F.I.	D.O.H.C.	23040-25200	SWG30041
2359	2.4L	144	TUCSON	2010 - 2015	4	THETA II G4KC	F.I.	D.O.H.C.	23040-25200	SWG30041
2359	2.4L	144	ELANTRA TOURING	2011 - 2015	4	THETA II G4KC	F.I.	D.O.H.C.	23040-25200	SWG30041
2359	2.4L	144	SANTA FE	2010 - 2015	4	THETA II G4KC	F.I.	D.O.H.C.	23040-25200	SWG30041
2493	2.5L	152	SONATA	1999 - 2002	V6	DELTA G6BV	F.I.	D.O.H.C.	23040-37200	NA
2656	2.7L	162	TUCSON	2004 - 2006	V6	DELTA G6BA	F.I.	D.O.H.C.	23040-37300	SWG30037
2656	2.7L	162	SANTA FE	2001 - 2005	V6	DELTA G6BA	F.I.	D.O.H.C.	23040-37300	SWG30037
2656	2.7L	162	SONATA	2003 - 2005	V6	DELTA G6BA	F.I.	D.O.H.C.	23040-37300	SWG30037
2656	2.7L	162	TIBURON	2003 - 2006	V6	DELTA G6BA	F.I.	D.O.H.C.	23040-37300	SWG30037
2656	2.7L	162	SANTA FE	2006 - 2009	V6	DELTA G6BA	F.I.	D.O.H.C.	23040-3E001	SWG30045
2656	2.7L	162	TIBURON	2007 - 2008	V6	DELTA G6BA	F.I.	D.O.H.C.	23040-3E001	SWG30045
2656	2.7L	162	TUCSON	2007 - 2010	V6	DELTA G6BA	F.I.	D.O.H.C.	23040-3E001	SWG30045
2792	2.8L	170	SONATA	1990 - 1995	V6	G6AT	F.I.	S.O.H.C.	23040-35010	SWM31080
2792	2.8L	170	SONATA	1990 - 1995	V6	G6AT	F.I.	S.O.H.C.	23040-35010	SWM31080
2792	2.8L	170	SONATA	1996 - 1998	V6	G6AT	F.I.	S.O.H.C.	23040-35500	SWM31080
2792	2.8L	170	SONATA	1996 - 1998	V6	G6AT	F.I.	S.O.H.C.	23040-35500	SWM31080
2972	3.0L	181	XG300	2001 - 2002	V6	G6CT	F.I.	D.O.H.C.	23040-35520	NA
3342	3.3L	204	AZERA	2007 - 2011	V6	LAMBDA G6DB	F.I.	D.O.H.C.	23040-3C150	SWG30055
3342	3.3L	204	SANTA FE	2007 - 2009	V6	LAMBDA G6DB	F.I.	D.O.H.C.	23040-3C150	SWG30055
3342	3.3L	204	SONATA	2006 - 2010	V6	LAMBDA G6DB	F.I.	D.O.H.C.	23040-3C150	SWG30055
3342	3.3L	204	AZERA	2012 - 2015	V6	LAMBDA II G6DG	F.I.	D.O.H.C.	23040-3C100	NA
3342	3.3L	204	SANTA FE	2013 - 2015	V6	LAMBDA II G6DH	F.I.	D.O.H.C.	23040-3C100	NA
3467	3.5L	212	XG350	2002 - 2006	V6	SIGMA G6CU	F.I.	D.O.H.C.	23040-39800	SWG30056
3467	3.5L	212	SANTA FE	2003 - 2006	V6	SIGMA G6AU	F.I.	D.O.H.C.	23040-39800	SWG30056
3470	3.5L	212	SANTA FE	2010 - 2012	V6	LAMBDA G6DC	F.I.	D.O.H.C.	23040-3CAA0	NA

PISTONS

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PISTON REFERENCE NUMBER	NOA PISTON #	HEAD PAGE #	DIA. mm	1 S T	2 N D	3 R D	O 1	O 2	REMARK
-	NA		81.00						16 VALVE
23410-32610	11-538	291	86.50	1.50	1.50		4.00		mitsubishi Engine, 12 VALVE
23410-33110	11-692	308	85.00	1.20	1.50		3.00		mitsubishi Engine, 16 VALVE
23411-38200	11-772	323	86.50	1.20	1.50		2.80		mitsubishi Engine, 16 VALVE
23411-38200	11-772	323	86.50	1.20	1.50		2.80		mitsubishi Engine, 16 VALVE
23410-2G201	NA		86.50	1.20	1.50		2.80		mitsubishi Engine, 16 VALVE
23410-25211	11-908	351	88.00	1.20	1.20		2.00		16 VALVE
23410-25211	11-908	351	88.00	1.20	1.20		2.00		16 VALVE
23410-25211	11-908	351	88.00	1.20	1.20		2.00		16 VALVE
23410-2G200	NA		88.00	1.20	1.20		2.00		16 VALVE
23410-2G200	NA		88.00	1.20	1.20		2.00		16 VALVE
23410-37210	11-771	322	84.00	1.20	1.20		2.50		24 VALVE
23410-37307	11-862	340	86.70	1.20	1.20		2.50		24 VALVE
23410-37310	11-862	340	86.70	1.20	1.20		2.50		24 VALVE
23410-37310	11-862	340	86.70	1.20	1.20		2.50		24 VALVE
23410-37310	11-862	340	86.70	1.20	1.20		2.50		24 VALVE
23410-3E001	11-892	347	86.70	1.20	1.20		2.00		24 VALVE
23410-3E001	11-892	347	86.70	1.20	1.20		2.00		24 VALVE
23410-3E001	11-892	347	86.70	1.20	1.20		2.00		24 VALVE
23410-35114	11-549	292	91.10	1.50	1.50		4.00		mitsubishi Engine, RIGHT, 12 VALVE
23410-35144	11-549	292	91.10	1.50	1.50		4.00		mitsubishi Engine, LEFT, 12 VALVE
23410-35214	11-549	292	91.10	1.50	1.50		4.00		mitsubishi Engine, RIGHT, 12 VALVE
23410-35244	11-549	292	91.10	1.50	1.50		4.00		mitsubishi Engine, LEFT, 12 VALVE
23411-39010	NA		91.10						24 VALVE
23041-3C151	NA		92.00	1.20	1.20		2.00		GLS, 24 VALVE
23041-3C151	NA		92.00	1.20	1.20		2.00		24 VALVE
23041-3C151	NA		92.00	1.20	1.20		2.00		24 VALVE
23041-3C611	NA		92.00						GLS, 24 VALVE
23041-3C611	NA		92.00						24 VALVE
23411-39510	NA*		93.00	1.50	1.50		3.00		24 VALVE
23400-39810	NA		93.00	1.50	1.50		3.00		24 VALVE
23041-3CAA1	NA		92.00						24 VALVE

HYUNDAI

U.S. APPLICATIONS

PISTON RINGS

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ENGINE SIZE			MODEL NAME	YEAR	C Y L	ENGINE CODE NUMBER	F.I. CARB DIESEL	O.H.V. S.O.H.C. D.O.H.C.	RING REFERENCE NUMBER	NOA PISTON RING #
cc	L	ci								
INFINITI										
1998	2.0L	122	G20	1990 - 1996	4	SR20DE	F.I.	D.O.H.C.	12033-53J01	SWN30102
1998	2.0L	122	G20	1999 ONLY	4	SR20DE	F.I.	D.O.H.C.	12033-53J01	SWN30102
1998	2.0L	122	G20	2000 - 2001	4	SR20DE	F.I.	D.O.H.C.	12033-4M802	SWN30123
1998	2.0L	122	G20	2002 ONLY	4	SR20DE	F.I.	D.O.H.C.	12033-2J210	SWN30123
2488	2.5L	152	QX60 HYBRID	2014 - 2015	4	QR25DE	F.I.	D.O.H.C.	12033-JG30A	SWN30189
2496	2.5L	152	ETHEREA	2015 - 2016	V6	VQ25VHR	F.I.	D.O.H.C.	12033-EG201	NA
2496	2.5L	152	G25	2011 - 2012	V6	VQ25VHR	F.I.	D.O.H.C.	12033-EG201	NA
2960	3.0L	181	M30	1990 - 1992	V6	VG30E	F.I.	S.O.H.C.	12033-21V01	SWN30058
2960	3.0L	181	J30	1993 - 1997	V6	VG30DE	F.I.	D.O.H.C.	12033-F6511	SWN30058
2987	3.0L	182	I30	1996 - 1999	V6	VQ30DE	F.I.	D.O.H.C.	12033-2Y903	SWN30115
2987	3.0L	182	I30	2000 ONLY	V6	VQ30DE	F.I.	D.O.H.C.	12033-2Y900	SWN30115
2987	3.0L	182	I30	2001 ONLY	V6	VQ30DE	F.I.	D.O.H.C.	12033-2Y900	SWN30115
3272	3.3L	200	QX4	1996 - 2000	V6	VG33E	F.I.	S.O.H.C.	12033-0W000	SWN30120
3498	3.5L	213	FX35	2003 - 2008	V6	VQ35DE	F.I.	D.O.H.C.	12033-4W001	SWN30131
3498	3.5L	213	G35	2002 - 2007	V6	VQ35DE	F.I.	D.O.H.C.	12033-4W001	SWN30131
3498	3.5L	213	QX4	2001 - 2003	V6	VQ35DE	F.I.	D.O.H.C.	12033-4W001	SWN30131
3498	3.5L	213	I35	2002 - 2004	V6	VQ35DE	F.I.	D.O.H.C.	12033-8J100	SWN30131
3498	3.5L	213	M35	2005 - 2008	V6	VQ35DE	F.I.	D.O.H.C.	12033-8J100	SWN30131
3498	3.5L	213	EX35	2009 - 2013	V6	VQ35HR	F.I.	D.O.H.C.	12033-JK20A	SWN30162
3498	3.5L	213	FX35	2009 - 2011	V6	VQ35HR	F.I.	D.O.H.C.	12033-JK20A	SWN30162
3498	3.5L	213	M35	2009 - 2010	V6	VQ35HR	F.I.	D.O.H.C.	12033-JK20B	SWN30162
3498	3.5L	213	M35 HYBRID	2012 - 2013	V6	VQ35HR	F.I.	D.O.H.C.	12033-JK20A	SWN30162
3498	3.5L	213	G35	2007 - 2008	V6	VQ35HR	F.I.	D.O.H.C.	12033-JK20B	SWN30162
3498	3.5L	213	JX35	2012 - 2013	V6	VQ35DE	F.I.	D.O.H.C.	12033-JA10D	SWN30191
3498	3.5L	213	QX60	2014 - 2015	V6	VQ35DE	F.I.	D.O.H.C.	12033-JP10D	SWN30191
3498	3.5L	213	Q50 HYBRID	2014 - 2015	V6	VQ35HR	F.I.	D.O.H.C.	12035-JK20A	SWN30162
3498	3.5L	213	Q70 HYBRID	2014 - 2015	V6	VQ35HR	F.I.	D.O.H.C.	12035-JK20A	SWN30162
3498	3.5L	213	QX70 HYBRID	2014 - 2015	V6	VQ35HR	F.I.	D.O.H.C.	12035-JK20A	SWN30162
3696	3.7L	226	EX37	2008 - 2011	V6	VQ37VHR	F.I.	D.O.H.C.	12033-JK20A	SWN30162
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PISTONS

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PISTON REFERENCE NUMBER	NOA PISTON #	HEAD PAGE #	DIA. mm	1 S T	2 N D	3 R D	O 1	O 2	REMARK
A2010-63J00	11-602	297	86.00	1.50	1.50		3.00		16 VALVE
A3020-63J00	11-602	297	86.00	1.50	1.50		3.00		16 VALVE
A2010-4M862	NA		86.00	1.20	1.20		2.50		16 VALVE
A2010-4M862	NA		86.00	1.20	1.20		2.50		16 VALVE
A2010-JG31B	NA		89.00	1.20	1.20		2.00		16 VALVE
A2010-JK00A	NA		85.00	1.20	1.20		2.00		24 VALVE
A2010-JK00A	NA		85.00	1.20	1.20		2.00		24 VALVE
12010-21P61	11-603	297	87.00	1.50	1.50		2.80		12 VALVE
A2010-30P00	11-727	314	87.00	1.50	1.50		2.80		24 VALVE
A2010-39U00	11-734	316	93.00	1.20	1.20		2.50		24 VALVE
A2010-2Y900	11-800	328	93.00	1.20	1.20		2.50		24 VALVE
A2010-2Y910	11-800	328	93.00	1.20	1.20		2.50		24 VALVE
A2010-1W200	11-728	314	91.50	1.50	1.50		2.80		12 VALVE
A2010-4W100	11-859	339	95.50	1.20	1.20		2.50		24 VALVE
A2010-4W100	11-859	339	95.50	1.20	1.20		2.50		24 VALVE
A2010-4W100	11-859	339	95.50	1.20	1.20		2.50		24 VALVE
A2010-8J110	11-860	339	95.50	1.20	1.20		2.50		24 VALVE
A2010-8J110	11-860	339	95.50	1.20	1.20		2.50		24 VALVE
A2010-JK20B	NA		95.50	1.20	1.20		2.00		24 VALVE
A2010-JK20B	NA		95.50	1.20	1.20		2.00		24 VALVE
A2010-JK20B	NA		95.50	1.20	1.20		2.00		24 VALVE
A2010-JK20B	NA		95.50	1.20	1.20		2.00		24 VALVE
A2010-JK29B	NA		95.50	1.20	1.20		2.00		24 VALVE
A2010-JA10A	11-907	351	95.50	1.20	1.20		2.00		24 VALVE
12010-JA10C	11-907	351	95.50	1.20	1.20		2.00		24 VALVE
-	NA		95.50						24 VALVE
-	NA		95.50						24 VALVE
-	NA		95.50						24 VALVE
A2010-JK20A	NA		95.50	1.20	1.20		2.00		24 VALVE

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ENGINE SIZE			MODEL NAME	YEAR	C Y L	ENGINE CODE NUMBER	F.I. CARB DIESEL	O.H.V. S.O.H.C. D.O.H.C.	RING REFERENCE NUMBER	NOA PISTON RING #
cc	L	ci								
INFINITI										
3696	3.7L	226	G37	2008 - 2009	V6	VQ37VHR	F.I.	D.O.H.C.	12033-JK20A	SWN30162
3696	3.7L	226	G37	2008 - 2009	V6	VQ37VHR	F.I.	D.O.H.C.	12033-JK20A	SWN30162
3696	3.7L	226	G37	2010 - 2012	V6	VQ37VHR	F.I.	D.O.H.C.	12033-JK20C	SWN30162
3696	3.7L	226	G37	2010 - 2012	V6	VQ37VHR	F.I.	D.O.H.C.	12033-JK20C	SWN30162
3696	3.7L	226	M37	2011 - 2012	V6	VQ37VHR	F.I.	D.O.H.C.	12033-JK20A	SWN30162
3696	3.7L	226	M37	2011 - 2012	V6	VQ37VHR	F.I.	D.O.H.C.	12033-JK20A	SWN30162
3696	3.7L	226	M37	2012 - 2013	V6	VQ37VHR	F.I.	D.O.H.C.	12033-JK20C	SWN30162
3696	3.7L	226	M37	2012 - 2013	V6	VQ37VHR	F.I.	D.O.H.C.	12033-JK20C	SWN30162
3696	3.7L	226	G37	2013 - 2015	V6	VQ37VHR	F.I.	D.O.H.C.	12035-1EA0B	SWN30191
3696	3.7L	226	G37	2013 - 2015	V6	VQ37VHR	F.I.	D.O.H.C.	12035-1EA0B	SWN30191
3696	3.7L	226	Q50	2014 - 2015	V6	VQ37VHR	F.I.	D.O.H.C.	12035-1EA0B	SWN30191
3696	3.7L	226	Q50	2014 - 2015	V6	VQ37VHR	F.I.	D.O.H.C.	12035-1EA0B	SWN30191
3696	3.7L	226	Q60	2014 - 2015	V6	VQ37VHR	F.I.	D.O.H.C.	12035-1EA0B	SWN30191
3696	3.7L	226	Q60	2014 - 2015	V6	VQ37VHR	F.I.	D.O.H.C.	12035-1EA0B	SWN30191
3696	3.7L	226	Q70	2014 - 2015	V6	VQ37VHR	F.I.	D.O.H.C.	12035-1EA0B	SWN30191
3696	3.7L	226	Q70	2014 - 2015	V6	VQ37VHR	F.I.	D.O.H.C.	12035-1EA0B	SWN30191
3696	3.7L	226	QX50	2014 - 2015	V6	VQ37VHR	F.I.	D.O.H.C.	12035-1EA0B	SWN30191
3696	3.7L	226	QX50	2014 - 2015	V6	VQ37VHR	F.I.	D.O.H.C.	12035-1EA0B	SWN30191
3696	3.7L	226	QX70	2014 - 2015	V6	VQ37VHR	F.I.	D.O.H.C.	12035-1EA0B	SWN30191
3696	3.7L	226	QX70	2014 - 2015	V6	VQ37VHR	F.I.	D.O.H.C.	12035-1EA0B	SWN30191
4494	4.5L	274	Q45	1990 - 1996	V8	VH45DE	F.I.	D.O.H.C.	12033-60U02	SWN30117
4494	4.5L	274	Q45	1997 - 2001	V8	VH45DE	F.I.	D.O.H.C.	12033-60U10	SWN30117
4494	4.5L	274	FX45	2003 - 2008	V8	VK45DE	F.I.	D.O.H.C.	12033-AR210	NA
4494	4.5L	274	M45	2003 - 2006	V8	VK45DE	F.I.	D.O.H.C.	12033-AR210	NA
4494	4.5L	274	Q45	2003 - 2006	V8	VK45DE	F.I.	D.O.H.C.	12033-AR210	NA
4494	4.5L	274	M45	2007 - 2010	V8	VK45DE	F.I.	D.O.H.C.	12033-AR211	NA
5026	5.0L	307	FX50	2009 - 2013	V8	VK50VE	F.I.	D.O.H.C.	12033-1CA0A	SWN30184
5026	5.0L	307	FX50	2009 - 2013	V8	VK50VE	F.I.	D.O.H.C.	12033-1CA0A	SWN30184
5026	5.0L	307	QX70	2014 - 2015	V8	VK50VE	F.I.	D.O.H.C.	12033-1CA0A	SWN30184
5026	5.0L	307	QX70	2014 - 2015	V8	VK50VE	F.I.	D.O.H.C.	12033-1CA0A	SWN30184
5552	5.6L	339	QX56	2004 - 2009	V8	VK56DE	F.I.	D.O.H.C.	12033-7S01B	SWN30149
5552	5.6L	339	M56	2011 - 2013	V8	VK56DE	F.I.	D.O.H.C.	12033-1MC0B	SWN30177
5552	5.6L	339	M56	2011 - 2013	V8	VK56DE	F.I.	D.O.H.C.	12033-1MC0B	SWN30177
5552	5.6L	339	Q70	2014 - 2015	V8	VK56VD	F.I.	D.O.H.C.	12033-1MC0B	SWN30177
5552	5.6L	339	Q70	2014 - 2015	V8	VK56VD	F.I.	D.O.H.C.	12033-1MC0B	SWN30177
5552	5.6L	339	QX56	2010 - 2013	V8	VK56VD	F.I.	D.O.H.C.	12033-1MC0B	SWN30177
5552	5.6L	339	QX56	2010 - 2013	V8	VK56VD	F.I.	D.O.H.C.	12033-1MC0B	SWN30177
5552	5.6L	339	QX80	2014 - 2015	V8	VK56VD	F.I.	D.O.H.C.	12033-1MC0B	SWN30177
5552	5.6L	339	QX80	2014 - 2015	V8	VK56VD	F.I.	D.O.H.C.	12033-1MC0B	SWN30177
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PISTON REFERENCE NUMBER	NOA PISTON #	HEAD PAGE #	DIA. mm	1 S T	2 N D	3 R D	O 1	O 2	REMARK
A2010-EY00A	NA		95.50	1.20	1.20		2.00		RIGHT, 24 VALVE
A2010-EY00B	NA		95.50	1.20	1.20		2.00		LEFT, 24 VALVE
A2010-EY00A	NA		95.50	1.20	1.20		2.00		RIGHT, 24 VALVE
A2010-EY00B	NA		95.50	1.20	1.20		2.00		LEFT, 24 VALVE
A2010-EY00A	NA		95.50	1.20	1.20		2.00		RIGHT, 24 VALVE
A2010-EY00B	NA		95.50	1.20	1.20		2.00		LEFT, 24 VALVE
A2010-EY00A	NA		95.50	1.20	1.20		2.00		RIGHT, 24 VALVE
A2010-EY00B	NA		95.50	1.20	1.20		2.00		LEFT, 24 VALVE
A2010-EY00A	NA		95.50	1.20	1.20		2.00		RIGHT, 24 VALVE
A2010-EY00B	NA		95.50	1.20	1.20		2.00		LEFT, 24 VALVE
A2010-EY00A	NA		95.50	1.20	1.20		2.00		RIGHT, 24 VALVE
A2010-EY00B	NA		95.50	1.20	1.20		2.00		LEFT, 24 VALVE
A2010-EY00A	NA		95.50	1.20	1.20		2.00		RIGHT, 24 VALVE
A2010-EY00B	NA		95.50	1.20	1.20		2.00		LEFT, 24 VALVE
A2010-60U00	NA		93.00	1.50	1.50		2.80		32 VALVE
A2010-6P000	NA		93.00	1.50	1.50		2.80		32 VALVE
A2010-AR210	NA		93.00	1.20	1.20		2.50		32 VALVE
A2010-AR210	NA		93.00	1.20	1.20		2.50		32 VALVE
A2010-AR210	NA		93.00	1.20	1.20		2.50		32 VALVE
A2010-AR260	NA		93.00	1.20	1.20		2.50		32 VALVE
A2010-1CA0A	NA		95.50	1.20	1.20		2.00		RIGHT, 32 VALVE
A2010-1CA0A	NA		95.50	1.20	1.20		2.00		LEFT, 32 VALVE
A2010-1CA0A	NA		95.50	1.20	1.20		2.00		RIGHT, 32 VALVE
A2010-1CA0A	NA		95.50	1.20	1.20		2.00		LEFT, 32 VALVE
A2010-7S000	11-879	344	98.00	1.50	1.50		2.50		32 VALVE
A2010-1MC0C	NA		98.00	1.20	1.20		2.50		RIGHT, 32 VALVE
A2010-1MC0D	NA		98.00	1.20	1.20		2.50		LEFT, 32 VALVE
A2010-1MC0C	NA		98.00	1.20	1.20		2.50		RIGHT, 32 VALVE
A2010-1MC0D	NA		98.00	1.20	1.20		2.50		LEFT, 32 VALVE
A2010-1LA0C	NA		98.00	1.20	1.20		2.50		RIGHT, 32 VALVE
A2010-1LA0D	NA		98.00	1.20	1.20		2.50		LEFT, 32 VALVE
A2010-1LA0C	NA		98.00	1.20	1.20		2.50		RIGHT, 32 VALVE
A2010-1LA0D	NA		98.00	1.20	1.20		2.50		LEFT, 32 VALVE

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U.S. APPLICATIONS

PISTON RINGS

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ENGINE SIZE			MODEL NAME	YEAR	C Y L	ENGINE CODE NUMBER	F.I. CARB DIESEL	O.H.V. S.O.H.C. D.O.H.C.	RING REFERENCE NUMBER	NOA PISTON RING #
cc	L	ci								
ISUZU										
1471	1.5L	90	I-MARK	1983 - 1986	4	4XC1	CARB	S.O.H.C.	8-94141-947-0	SWI10151
1471	1.5L	90	I-MARK	1987 - 1989	4	4XC1	CARB	S.O.H.C.	8-94141-947-0	SWI10151
1471	1.5L	90	I-MARK	1987 - 1989	4	4XC1T	F.I.	S.O.H.C.	8-94109-650-0	SWI10153
1588	1.6L	97	STYLUS	1990 - 1992	4	4XE1V	F.I.	S.O.H.C.	8-94370-434-0	SWI10149
1588	1.6L	97	STYLUS	1993 ONLY	4	4XE1V	F.I.	S.O.H.C.	8-94331-660-0	SWI10149
1588	1.6L	97	I-MARK	1989 ONLY	4	4XE1W	F.I.	D.O.H.C.	8-94342-124-0	SWI10149
1588	1.6L	97	IMPULSE	1990 - 1992	4	4XE1W	F.I.	D.O.H.C.	8-94370-434-0	SWI10149
1588	1.6L	97	STYLUS	1990 - 1992	4	4XE1W	F.I.	D.O.H.C.	8-94370-434-0	SWI10149
1588	1.6L	97	IMPULSE	1991 - 1992	4	4XE1W	F.I.	D.O.H.C.	8-94370-434-0	SWI10149
1809	1.8L	110	IMPULSE	1991 - 1992	4	4XF1	F.I.	D.O.H.C.	8-97402-171-0	SWI10149
1809	1.8L	110	STYLUS	1990 - 1992	4	4XF1	F.I.	D.O.H.C.	8-97042-171-0	SWI10149
1817	1.8L	111	I-MARK	1981 ONLY	4	G180Z	CARB	S.O.H.C.	8-94216-640-0	SWI10056
1817	1.8L	111	PICKUP	1981 ONLY	4	G180Z	CARB	S.O.H.C.	8-94216-640-0	SWI10056
1817	1.8L	111	I-MARK	1982 - 1986	4	G180Z	CARB	S.O.H.C.	8-94244-404-0	SWI10098
1817	1.8L	111	PICKUP	1982 ONLY	4	G180Z	CARB	S.O.H.C.	8-94244-404-0	SWI10098
1817	1.8L	111	I-MARK	1981 - 1985	4	4FB1	DIESEL		8-94224-221-0	SDI10086
1949	1.9L	119	PICKUP	1983 - 1987	4	G200Z	C & F	S.O.H.C.	8-94438-086-0	SWI10096
1949	1.9L	119	TROOPER II	1983 - 1987	4	G200Z	CARB	S.O.H.C.	8-94438-086-0	SWI10096
1949	1.9L	119	IMPULSE	1983 - 1988	4	G200Z	CARB	S.O.H.C.	8-94438-086-0	SWI10096
1994	2.0L	122	IMPULSE	1985 - 1990	4	4ZC1	F.I.	S.O.H.C.	8-94235-878-0	SWI10133
2156	2.2L	132	OASIS	1996 - 1997	4	RJ1,F22B6	F.I.	S.O.H.C.	5-86202-103-0	SWH30383
2197	2.2L	134	HOMBRE	1996 - 2000	4	GM122 2.2L	F.I.	S.O.H.C.	8-12363-179-0	SWI10195
2198	2.2L	134	AMIGO	1998 - 1999	4	X22SE	F.I.	D.O.H.C.	8-92062-027-0	SWI10205
2198	2.2L	134	RODEO	1998 - 2000	4	X22SE	F.I.	D.O.H.C.	8-92062-027-0	SWI10205
2198	2.2L	134	RODEO	2001 - 2003	4	X22SE	F.I.	D.O.H.C.	8-92065-115-0	SWI10206
2198	2.2L	134	RODEO SPORT	2001 - 2004	4	X22SE	F.I.	D.O.H.C.	8-92065-115-0	SWI10206
2238	2.2L	137	PICKUP	1981 - 1982	4	C223	DIESEL		8-94100-355-0	SJI10089
2238	2.2L	137	PICKUP	1983 - 1987	4	C223	DIESEL		8-94250-730-0	SDI10101
2238	2.2L	137	TROOPER II	1986 - 1987	4	C223	DIESEL		8-94250-730-0	SDI10101
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PISTON REFERENCE NUMBER	NOA PISTON #	HEAD PAGE #	DIA. mm	1 S T	2 N D	3 R D	O 1	O 2	REMARK
8-94141-426-0	DISC. 11-564		77.00	1.50	-		2.80		F.W.D., 8 VALVE
8-94460-838-2	DISC. 11-564		77.00	1.50	-		2.80		F.W.D., 8 VALVE
8-94109-616-4	NA		77.00	1.20	1.20		2.80		F.W.D., w/ TURBO, 8 VALVE
8-97066-885-0	DISC. 11-556		80.00	1.20	1.20		3.00		12 VALVE
8-97066-885-0	DISC. 11-556		80.00	1.20	1.20		3.00		12 VALVE
8-97066-886-0	DISC. 11-557		80.00	1.20	1.20		3.00		16 VALVE
8-97066-886-0	DISC. 11-557		80.00	1.20	1.20		3.00		16 VALVE
8-97066-886-0	DISC. 11-557		80.00	1.20	1.20		3.00		16 VALVE
8-97066-888-0	NA		80.00	1.20	1.20		3.00		w/ TURBO, 16 VALVE
8-97067-000-0	NA		80.00	1.20	1.20		3.00		16 VALVE
8-97067-000-0	NA		80.00	1.20	1.20		3.00		16 VALVE
8-94215-088-0	11-012	276	84.00	2.00	2.00		4.00		8 VALVE
8-94215-088-0	11-012	276	84.00	2.00	2.00		4.00		8 VALVE
8-94238-475-0	DISC. 11-013		84.00	1.50	1.50		4.00		R.W.D., 8 VALVE
8-94238-475-0	DISC. 11-013		84.00	1.50	1.50		4.00		8 VALVE
8-94228-886-2	DISC. 11-015		84.00	2.50	2.00		4.00		
8-94237-469-2	11-016	276	87.00	1.50	1.50		4.00		8 VALVE
8-94237-469-2	11-016	276	87.00	1.50	1.50		4.00		8 VALVE
8-94258-494-2	DISC. 11-695		87.00	1.50	1.50		4.00		8 VALVE
8-94143-151-3	11-558	293	88.00	1.50	1.50		4.00		w/ TURBO, 8 VALVE
5-86202-102-0	11-751	319	85.00	1.20	1.20		2.80		16 VALVE
8-24577-467-0	NA		89.00	1.50	1.50		3.00		GMC Engine, 8 VALVE
8-92062-910-0	11-747	318	86.00	1.50	1.50		3.00		16 VALVE
8-92062-910-0	11-747	318	86.00	1.50	1.50		3.00		16 VALVE
8-92064-692-0	11-840	335	86.00	1.20	1.50		2.50		16 VALVE
8-92064-692-0	11-840	335	86.00	1.20	1.50		2.50		16 VALVE
5-12111-212-0	DISC. 11-017		88.00	2.50	2.00		4.50		
8-94250-729-0	11-696	309	88.00	2.00	2.00		4.00		
8-94250-729-0	11-696	309	88.00	2.00	2.00		4.00		

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U.S. APPLICATIONS

PISTON RINGS

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ENGINE SIZE			MODEL NAME	YEAR	CYL	ENGINE CODE NUMBER	F.I. CARB DIESEL	O.H.V. S.O.H.C. D.O.H.C.	RING REFERENCE NUMBER	NOA PISTON RING #
cc	L	ci								
2238	2.2L	137	PICKUP	1986 - 1987	4	C223T	DIESEL		8-94158-084-0	SJI10111
2238	2.2L	137	TROOPER II	1987 ONLY	4	C223T	DIESEL		8-94158-084-0	SJI10111
2253	2.3L	137	OASIS	1998 - 1999	4	F23A7	F.I.	S.O.H.C.	5-86205-887-0	SWH30443
2254	2.3L	138	AMIGO	1989 - 1993	4	4ZD1	CARB	S.O.H.C.	8-94153-966-2	SWI10123
2254	2.3L	138	PICKUP	1983 - 1995	4	4ZD1	C & F	S.O.H.C.	8-94153-966-2	SWI10123
2254	2.3L	138	TROOPER II	1984 - 1987	4	4ZD1	CARB	S.O.H.C.	8-94153-966-2	SWI10123
2254	2.3L	138	IMPULSE	1988 - 1990	4	4ZD1	F.I.	S.O.H.C.	8-94153-966-2	SWI10123
2559	2.6L	156	AMIGO	1989 - 1992	4	4ZE1	C & F	S.O.H.C.	8-94405-614-2	SWI10144
2559	2.6L	156	PICKUP	1988 - 1992	4	4ZE1	C & F	S.O.H.C.	8-94405-614-2	SWI10144
2559	2.6L	156	RODEO	1990 - 1992	4	4ZE1	F.I.	S.O.H.C.	8-94405-614-2	SWI10144
2559	2.6L	156	TROOPER	1989 - 1992	4	4ZE1	F.I.	S.O.H.C.	8-94405-614-2	SWI10144
2559	2.6L	156	TROOPER II	1988 ONLY	4	4ZE1	CARB	S.O.H.C.	8-94405-614-2	SWI10144
2559	2.6L	156	AMIGO	1993 - 1997	4	4ZE1	C & F	S.O.H.C.	8-94405-614-2	SWI10144
2559	2.6L	156	PICKUP	1993 - 1995	4	4ZE1	C & F	S.O.H.C.	8-94405-614-2	SWI10144
2559	2.6L	156	RODEO	1993 - 1997	4	4ZE1	F.I.	S.O.H.C.	8-94405-614-2	SWI10144
2827	2.8L	173	TROOPER	1989 - 1992	V6	LL2	F.I.	O.H.V.	8-14089-059-0	SWI10154
2921	2.9L	178	i-290	2006 - 2008	4	Vortec 2800 LLV	F.I.	D.O.H.C.	8-89060-378-0	NA
2999	3.0L	183	NPR ECO-MAX	2011 - 2015	4	4JJ1-TC	DIESEL	D.O.H.C.	8-98053-579-0	SDI10215
2999	3.0L	183	NPR ECO-MAX	2011 - 2015	4	4JJ1-TC	DIESEL	D.O.H.C.	8-97388-734-0	SDI10210
3137	3.1L	191	PICKUP	1991 - 1994	V6	CPC	F.I.	O.H.V.	8-10181-330-0	SWI10155
3137	3.1L	191	RODEO	1990 - 1992	V6	CPC	F.I.	O.H.V.	8-10181-330-0	SWI10155
3165	3.2L	193	RODEO	1993 - 1995	V6	6VD1	F.I.	S.O.H.C.	8-97162-198-0	SWI10185
3165	3.2L	193	TROOPER	1991 - 1995	V6	6VD1	F.I.	S.O.H.C.	8-97162-198-0	SWI10185
3165	3.2L	193	RODEO	1996 - 2005	V6	6VD1	F.I.	S.O.H.C.	8-97162-198-0	SWI10185
3165	3.2L	193	TROOPER	1996 - 1997	V6	6VD1	F.I.	S.O.H.C.	8-97162-198-0	SWI10185
3165	3.2L	193	TROOPER	1991 - 1995	V6	6VD1	F.I.	D.O.H.C.	8-97162-198-0	SWI10185
3458	3.5L	211	i-350	2007 - 2008	5	Vortec 3500 L52	F.I.	O.H.V.	8-89060-378-0	NA
3494	3.5L	213	AMIGO	1998 - 2000	V6	6VE1	F.I.	D.O.H.C.	8-97136-135-0	SWI10191
3494	3.5L	213	RODEO	1998 - 2004	V6	6VE1	F.I.	D.O.H.C.	8-97136-135-0	SWI10191
3494	3.5L	213	RODEO SPORT	2001 - 2004	V6	6VE1	F.I.	D.O.H.C.	8-97136-135-0	SWI10191
3494	3.5L	213	AXIOM	2002 - 2004	V6	6VE1	F.I.	D.O.H.C.	8-97136-135-0	SWI10191
3494	3.5L	213	TROOPER	1999 - 2002	V6	6VE1	F.I.	D.O.H.C.	8-97136-135-0	SWI10191
3494	3.5L	213	VehiCROSS	1999 - 2001	V6	6VE1	F.I.	D.O.H.C.	8-97136-135-0	SWI10191

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PISTON REFERENCE NUMBER	NOA PISTON #	HEAD PAGE #	DIA. mm	1 S T	2 N D	3 R D	O 1	O 2	REMARK
8-94177-183-1	NA		88.00	2.50	2.00		4.00		w/ TURBO
8-94177-183-1	NA		88.00	2.50	2.00		4.00		w/ TURBO
5-86205-884-0	NA		86.00	1.20	1.20		2.80		16 VALVE
8-94438-625-2	11-554	293	89.30	1.50	1.50		4.00		8 VALVE
8-94438-625-2	11-554	293	89.30	1.50	1.50		4.00		8 VALVE
8-94438-625-2	11-554	293	89.30	1.50	1.50		4.00		8 VALVE
8-94439-301-2	11-554	293	89.30	1.50	1.50		4.00		8 VALVE
8-94163-189-3	11-555	293	92.60	1.50	1.50		4.00		8 VALVE
8-94163-189-3	11-555	293	92.60	1.50	1.50		4.00		8 VALVE
8-94163-189-3	11-555	293	92.60	1.50	1.50		4.00		8 VALVE
8-94163-189-3	11-555	293	92.60	1.50	1.50		4.00		8 VALVE
8-94163-189-3	11-555	293	92.60	1.50	1.50		4.00		8 VALVE
8-97037-801-1	11-559	293	92.60	1.50	1.50		4.00		8 VALVE
8-97037-801-1	11-559	293	92.60	1.50	1.50		4.00		8 VALVE
8-97037-801-1	11-559	293	92.60	1.50	1.50		4.00		8 VALVE
8-14092-910-0	NA		89.00	1.50	2.00		4.76		
8-12585-784-0	NA		95.50						GMC Engine, 16 VALVE
-	NA		95.40	2.00	2.00		3.00		w/ TURBO
-	NA		95.40	2.00	1.50		3.00		w/ TURBO
8-10070-145-0	DISC. 11-569		89.00	1.50	1.50		4.00		
8-10070-145-0	DISC. 11-569		89.00	1.50	1.50		4.00		
8-94374-965-1	11-686	307	93.40	1.50	1.50		4.00		24 VALVE
8-94374-965-1	11-686	307	93.40	1.50	1.50		4.00		24 VALVE
8-97104-386-0	11-685	307	93.40	1.50	1.50		4.00		24 VALVE
8-97104-386-0	11-685	307	93.40	1.50	1.50		4.00		24 VALVE
8-97127-588-0	NA		93.40	1.50	1.50		4.00		24 VALVE
8-12585-784-0	NA		95.50						GMC Engine, 20 VALVE
8-97172-674-0	11-764	322	93.40	1.50	1.50		3.00		24 VALVE
8-97172-674-0	11-764	322	93.40	1.50	1.50		3.00		24 VALVE
8-97172-674-0	11-764	322	93.40	1.50	1.50		3.00		24 VALVE
8-97136-315-3	11-793	326	93.40	1.50	1.50		3.00		24 VALVE
8-97136-315-3	11-793	326	93.40	1.50	1.50		3.00		24 VALVE
8-97163-315-3	11-793	326	93.40	1.50	1.50		3.00		24 VALVE

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ENGINE SIZE			MODEL NAME	YEAR	C Y L	ENGINE CODE NUMBER	F.I. CARB DIESEL	O.H.V. S.O.H.C. D.O.H.C.	RING REFERENCE NUMBER	NOA PISTON RING #
cc	L	ci								
KIA										
1493	1.5L	91	RIO	2001 - 2002	4	DC	F.I.	D.O.H.C.	K3Y2-11-SCO	SWK30019
1493	1.5L	91	RIO CINCO	2001 - 2002	4	DC	F.I.	D.O.H.C.	K3Y2-11-SCO	SWK30019
1591	1.6L	97	FORTE 5	2014 - 2015	4	GAMMA 1.6L	F.I.	D.O.H.C.	23040-2B000	SWG30046
1591	1.6L	97	FORTE KOUP	2014 - 2015	4	GAMMA 1.6L	F.I.	D.O.H.C.	23040-2B000	SWG30046
1591	1.6L	97	RAY	2015 NEW	4	GAMMA 1.6L	F.I.	D.O.H.C.	23040-2B000	SWG30046
1591	1.6L	97	RIO	2012 - 2015	4	GAMMA 1.6L	F.I.	D.O.H.C.	23040-2B000	SWG30046
1591	1.6L	97	RIO 5	2012 - 2015	4	GAMMA 1.6L	F.I.	D.O.H.C.	23040-2B000	SWG30046
1591	1.6L	97	SOUL	2009 - 2015	4	GAMMA 1.6L	F.I.	D.O.H.C.	23040-2B000	SWG30046
1597	1.6L	97	SEPHIA	1994 - 1995	4	B6	F.I.	S.O.H.C.	K2YA-11-SCO	SWK30020
1597	1.6L	97	SEPHIA	1995 - 1997	4	B6	F.I.	D.O.H.C.	K2YA-11-SCO	SWK30020
1597	1.6L	97	SEPHIA	1998 - 2000	4	B6	F.I.	D.O.H.C.	K2Y3-11-SCO	NA
1599	1.6L	98	RIO	2003 - 2005	4	ALPHA G4ED	F.I.	D.O.H.C.	23040-26101	SWG30030
1599	1.6L	98	RIO CINCO	2003 - 2005	4	ALPHA II G4ED	F.I.	D.O.H.C.	23040-26101	SWG30030
1599	1.6L	98	RIO	2006 - 2011	4	ALPHA II G4ED	F.I.	D.O.H.C.	23040-26120	SWG30034
1599	1.6L	98	RIO 5	2006 - 2011	4	ALPHA II G4ED	F.I.	D.O.H.C.	23040-26120	SWG30034
1793	1.8L	109	SPECTRA	2000 - 2004	4	FB	F.I.	D.O.H.C.	23040-2Y000	SWG30040
1793	1.8L	109	SPECTRA5	2004 ONLY	4	FB	F.I.	D.O.H.C.	23040-2Y000	SWG30040
1797	1.8L	110	FORTE	2014 - 2015	4	Nu 1.8L	F.I.	D.O.H.C.	23040-2E000	NA
1839	1.8L	112	SEPHIA	1995 - 2000	4	BP	F.I.	D.O.H.C.	BPY0-11-SCO	SWT20066*
1975	2.0L	121	SPECTRA5	2005 - 2008	4	BETA G4GF	F.I.	D.O.H.C.	23040-23000	SWG30028
1975	2.0L	121	SPORTAGE	2005 - 2006	4	BETA G4GF	F.I.	D.O.H.C.	23040-23000	SWG30028
1975	2.0L	121	SOUL	2009 - 2011	4	BETA II G4JP	F.I.	D.O.H.C.	23040-23400	SWG30054
1975	2.0L	121	SPECTRA	2007 - 2009	4	BETA II G4JP	F.I.	D.O.H.C.	23040-23300	SWG30054
1975	2.0L	121	SPECTRA5	2009 ONLY	4	BETA II G4JP	F.I.	D.O.H.C.	23040-23300	SWG30054
1975	2.0L	121	SPORTAGE	2007 - 2010	4	BETA II G4JP	F.I.	D.O.H.C.	23040-23300	SWG30054
1998	2.0L	122	SPORTAGE	1995 ONLY	4	FE	F.I.	S.O.H.C.	KFY3-11-SCO	SWK30022
1998	2.0L	122	SPORTAGE	1995 - 2002	4	FED	F.I.	D.O.H.C.	KFY3-11-SCO	SWK30022
1998	2.0L	122	FORTE	2009 - 2013	4	THETA II 2.0L	F.I.	D.O.H.C.	23040-2C400	SWG30042
1998	2.0L	122	FORTE KOUP	2011 - 2013	4	THETA II 2.0L	F.I.	D.O.H.C.	23040-2C400	SWG30042
1998	2.0L	122	OPTIMA	2011 - 2015	4	THETA II 2.0L	F.I.	D.O.H.C.	23040-2C400	SWG30042
1998	2.0L	122	SPORTAGE	2012 - 2015	4	THETA II 2.0L	F.I.	D.O.H.C.	23040-2C400	SWG30042
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KIA

PISTON REFERENCE NUMBER	NOA PISTON #	HEAD PAGE #	DIA. mm	1 S T	2 N D	3 R D	O 1	O 2	REMARK
K3Y2-11-SAO	11-773	323	75.50	1.20	1.20		2.50		16 VALVE
K3Y2-11-SAO	11-773	323	75.50	1.20	1.20		2.50		16 VALVE
23041-2B001	NA		77.00	1.20	1.20		2.00		16 VALVE
23041-2B001	NA		77.00	1.20	1.20		2.00		16 VALVE
23041-2B001	NA		77.00	1.20	1.20		2.00		16 VALVE
23041-2B001	NA		77.00	1.20	1.20		2.00		16 VALVE
23041-2B001	NA		77.00	1.20	1.20		2.00		16 VALVE
23041-2B001	NA		77.00	1.20	1.20		2.00		16 VALVE
K2Y3-11-SAO	DISC. 11-786		78.00	1.50	1.50		4.00		MAZDA Engine, 16 VALVE
K2YA-11-SAO	NA		78.00	1.50	1.50		4.00		MAZDA Engine, 16 VALVE
K2Y4-11-SAO	NA		78.00						MAZDA Engine, 16 VALVE
23410-26212	DISC. 11-819		76.50	1.20	1.20		2.50		16 VALVE
23410-26212	DISC. 11-819		76.50	1.20	1.20		2.50		16 VALVE
23410-26511	NA		76.50	1.20	1.20		2.00		16 VALVE
23410-26511	NA		76.50	1.20	1.20		2.00		16 VALVE
23410-2Y010	11-841	335	81.00	1.20	1.20		2.50		MAZDA Engine, 16 VALVE
23410-2Y010	11-841	335	81.00	1.20	1.20		2.50		MAZDA Engine, 16 VALVE
23041-2E100	NA		81.00						16 VALVE
BPY1-11-SAO	11-703	310	83.00	1.50	1.50		3.00		MAZDA Engine, 16 VALVE
23410-23711	11-838	335	82.00	1.20	1.20		2.50		16 VALVE
23410-23711	11-838	335	82.00	1.20	1.20		2.50		16 VALVE
23410-23AA0	11-901	349	82.00	1.20	1.20		2.00		16 VALVE
23410-23AA0	11-901	349	82.00	1.20	1.20		2.00		16 VALVE
23410-23AA0	11-901	349	82.00	1.20	1.20		2.00		16 VALVE
23410-23AA0	11-901	349	82.00	1.20	1.20		2.00		16 VALVE
FEY0-11-SAO	11-129	283	86.00	1.50	1.50		4.00		MAZDA Engine, 8 VALVE
K9Y2-11-SAO	11-699	309	86.00	1.50	1.50		4.00		MAZDA Engine, 16 VALVE
23410-2C400	11-909	351	86.00	1.20	1.20		2.00		w/ TURBO, 16 VALVE
23410-2C400	11-909	351	86.00	1.20	1.20		2.00		w/ TURBO, 16 VALVE
23410-2C400	11-909	351	86.00	1.20	1.20		2.00		w/ TURBO, 16 VALVE
23410-2C400	11-909	351	86.00	1.20	1.20		2.00		16 VALVE

KIA - CONTINUED

U.S. APPLICATIONS

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RED = NEW INFORMATION

ENGINE SIZE			MODEL NAME	YEAR	C Y L	ENGINE CODE NUMBER	F.I. CARB DIESEL	O.H.V. S.O.H.C. D.O.H.C.	RING REFERENCE NUMBER	NOA PISTON RING #
cc	L	ci								
KIA										
1999	2.0L	122	FORTE	2014 - 2015	4	Nu 2.0L	F.I.	D.O.H.C.	23040-2E000*	NA
1999	2.0L	122	FORTE 5	2014 - 2015	4	Nu 2.0L	F.I.	D.O.H.C.	23040-2E000*	NA
1999	2.0L	122	FORTE KOUP	2014 - 2015	4	Nu 2.0L	F.I.	D.O.H.C.	23040-2E000*	NA
1999	2.0L	122	SOUL	2012 - 2015	4	Nu 2.0L	F.I.	D.O.H.C.	23040-2E000*	NA
2350	2.4L	143	OPTIMA	2001 - 2005	4	SIRIUS II G4JS	F.I.	D.O.H.C.	23040-38200	TBA
2359	2.4L	144	FORTE	2009 - 2013	4	THETA II G4KC	F.I.	D.O.H.C.	23040-25200	SWG30041
2359	2.4L	144	FORTE KOUP	2011 - 2013	4	THETA II G4KC	F.I.	D.O.H.C.	23040-25200	SWG30041
2359	2.4L	144	OPTIMA	2006 - 2008	4	THETA II G4KC	F.I.	D.O.H.C.	23040-25200	SWG30041
2359	2.4L	144	RONDO	2007 - 2010	4	THETA II G4KC	F.I.	D.O.H.C.	23040-25200	SWG30041
2359	2.4L	144	SORENTO	2011 - 2015	4	THETA II G4KC	F.I.	D.O.H.C.	23040-25200	SWG30041
2359	2.4L	144	SPORTAGE	2011 - 2015	4	THETA II G4KC	F.I.	D.O.H.C.	23040-25200	SWG30041
2359	2.4L	144	OPTIMA	2009 - 2015	4	THETA II G4KC	F.I.	D.O.H.C.	23040-25200	SWG30041
2359	2.4L	144	OPTIMA HYBRID	2011 - 2015	4	THETA II G4KH	F.I.	D.O.H.C.	23040-25200	SWG30041
2493	2.5L	152	OPTIMA	2001 ONLY	V6	DELTA G6BW	F.I.	D.O.H.C.	23040-37200	NA
2656	2.7L	162	OPTIMA	2002 - 2006	V6	DELTA G6BA	F.I.	D.O.H.C.	23040-37300	SWG30037
2656	2.7L	162	SPORTAGE	2005 - 2006	V6	DELTA G6BA	F.I.	D.O.H.C.	23040-37300	SWG30037
2656	2.7L	162	KEE	2015 NEW	V6	Mu G6A5	F.I.	D.O.H.C.	23040-3E001	SWG30045
2656	2.7L	162	OPTIMA	2006 - 2010	V6	Mu G6A5	F.I.	D.O.H.C.	23040-3E001	SWG30045
2656	2.7L	162	RONDO	2007 - 2010	V6	Mu G6A5	F.I.	D.O.H.C.	23040-3E001	SWG30045
2656	2.7L	162	SPORTAGE	2007 - 2010	V6	Mu G6A5	F.I.	D.O.H.C.	23040-3E001	SWG30045
3342	3.3L	204	SORENTO	2008 - 2009	V6	LAMBDA G6DB	F.I.	D.O.H.C.	23040-3C150	SWG30055
3342	3.3L	204	SORENTO	2014 - 2015	V6	LAMBDA G6DH	F.I.	D.O.H.C.	-	NA
3342	3.3L	204	CADENZA	2014 - 2015	V6	LAMBDA II G6DG	F.I.	D.O.H.C.	23040-3C100	NA
3470	3.5L	212	KND-5	2015 NEW	V6	LAMBDA G6DC	F.I.	D.O.H.C.	23040-3CAA0	NA
3470	3.5L	212	SEDONA	2011 - 2015	V6	LAMBDA G6DC	F.I.	D.O.H.C.	23040-3CAA0	NA
3470	3.5L	212	SORENTO	2011 - 2013	V6	LAMBDA G6DC	F.I.	D.O.H.C.	23040-3CAA0	NA
3497	3.5L	213	AMANTI	2004 - 2006	V6	SIGMA G6AU	F.I.	D.O.H.C.	23040-39800	SWG30056
3497	3.5L	213	SORENTO	2002 - 2006	V6	SIGMA G6AU	F.I.	D.O.H.C.	23040-39800	SWG30056
3497	3.5L	213	SEDONA	2002 - 2006	V6	SIGMA G6AU	F.I.	D.O.H.C.	23040-39800	SWG30056
3778	3.8L	231	AMANTI	2007 - 2009	V6	LAMBDA RS 3800	F.I.	D.O.H.C.	23040-3C200	NA
3778	3.8L	231	BORREGO	2009 ONLY	V6	LAMBDA RS 3800	F.I.	D.O.H.C.	23040-3C200	NA
3778	3.8L	231	SEDONA	2007 - 2010	V6	LAMBDA RS 3800	F.I.	D.O.H.C.	23040-3C200	NA
3778	3.8L	231	SORENTO	2007 - 2009	V6	LAMBDA RS 3800	F.I.	D.O.H.C.	23040-3C200	NA
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PISTON REFERENCE NUMBER	NOA PISTON #	HEAD PAGE #	DIA. mm	1 S T	2 N D	3 R D	O 1	O 2	REMARK
-	NA		81.00						16 VALVE
-	NA		81.00						16 VALVE
-	NA		81.00						16 VALVE
-	NA		81.00						16 VALVE
23410-38200	11-772	323	86.50	1.20	1.50		2.80		VIN 6, 16 VALVE
23410-25211	11-908	351	88.00	1.20	1.20		2.00		16 VALVE
23410-25211	11-908	351	88.00	1.20	1.20		2.00		16 VALVE
23410-25211	11-908	351	88.00	1.20	1.20		2.00		VIN 3, 16 VALVE
23410-25211	11-908	351	88.00	1.20	1.20		2.00		16 VALVE
23410-25211	11-908	351	88.00	1.20	1.20		2.00		16 VALVE
23410-25211	11-908	351	88.00	1.20	1.20		2.00		16 VALVE
23410-2G200	NA		88.00	1.20	1.20		2.00		VIN 3, 16 VALVE
23410-2G200	NA		88.00	1.20	1.20		2.00		VIN 3, 16 VALVE
23410-37210	11-771	322	84.00	1.20	1.20		2.50		24 VALVE
23410-37310	11-862	340	86.70	1.20	1.20		2.50		24 VALVE
23410-37310	11-862	340	86.70	1.20	1.20		2.50		24 VALVE
23410-3E001	11-892	347	86.70	1.20	1.20		2.00		24 VALVE
23410-3E001	11-892	347	86.70	1.20	1.20		2.00		24 VALVE
23410-3E001	11-892	347	86.70	1.20	1.20		2.00		24 VALVE
23410-3E001	11-892	347	86.70	1.20	1.20		2.00		24 VALVE
23041-3C151	NA		92.00	1.20	1.20		2.00		24 VALVE
-	NA		92.00						24 VALVE
23041-3C611	NA		92.00						24 VALVE
23041-3CAA1	NA		92.00						24 VALVE
23041-3CAA1	NA		92.00						24 VALVE
23041-3CAA1	NA		92.00						24 VALVE
23040-39800	NA		93.00	1.50	1.50		3.00		24 VALVE
23040-39800	NA		93.00	1.50	1.50		3.00		24 VALVE
23400-39800	NA		93.00	1.50	1.50		3.00		24 VALVE
23041-3C600	NA		96.00						24 VALVE
23041-3C600	NA		96.00						24 VALVE
23041-3C600	NA		96.00						24 VALVE
23041-3C600	NA		96.00						24 VALVE

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ENGINE SIZE			MODEL NAME	YEAR	C Y L	ENGINE CODE NUMBER	F.I. CARB DIESEL	O.H.V. S.O.H.C. D.O.H.C.	RING REFERENCE NUMBER	NOA PISTON RING #
cc	L	ci								
LEXUS										
1798	1.8L	110	CT 200 HYBRID	2011 - 2015	4	2ZR-FXE	F.I.	D.O.H.C.	13011-37110	SWT10232
1998	2.0L	122	NX 200t	2015 - 2016	4	8AR-FTS	F.I.	D.O.H.C.	-	NA
2355	2.4L	144	HS 250 HYBRID	2010 - 2014	4	2AZ-FXE	F.I.	D.O.H.C.	13011-28161	SDT10200
2494	2.5L	152	ES 300 HYBRID	2013 - 2015	4	2AR-FSE	F.I.	D.O.H.C.	-	NA
2494	2.5L	152	GS 300 HYBRID	2014 - 2015	4	2AR-FSE	F.I.	D.O.H.C.	-	NA
2494	2.5L	152	NX 300 HYBRID	2015 - 2016	4	2AR-FSE	F.I.	D.O.H.C.	-	NA
2494	2.5L	152	RC 300 HYBRID	2015 - 2016	4	2AR-FSE	F.I.	D.O.H.C.	-	NA
2499	2.5L	152	IS 250	2006 - 2015	V6	4GR-FSE	F.I.	D.O.H.C.	13011-31220	SDT10225
2499	2.5L	152	IS 250	2006 - 2015	V6	4GR-FSE	F.I.	D.O.H.C.	13011-31220	SDT10225
2499	2.5L	152	IS 250C	2010 - 2015	V6	4GR-FSE	F.I.	D.O.H.C.	13011-31220	SDT10225
2499	2.5L	152	IS 250C	2010 - 2015	V6	4GR-FSE	F.I.	D.O.H.C.	13011-31220	SDT10225
2507	2.5L	153	ES 250	1990 - 1991	V6	2VZ-FE	F.I.	D.O.H.C.	13011-62040	SWT10148
2958	3.0L	181	ES 300	1992 - 1993	V6	3VZ-FE	F.I.	D.O.H.C.	13011-62060	SWT10144
2994	3.0L	183	GS 300	2006 ONLY	V6	3GR-FSE	F.I.	D.O.H.C.	13011-31170	NA
2994	3.0L	183	GS 300	2006 ONLY	V6	3GR-FSE	F.I.	D.O.H.C.	13011-31170	NA
2995	3.0L	183	ES 300	1994 - 1999	V6	1MZ-FE	F.I.	D.O.H.C.	13011-0A020	SWT10177
2995	3.0L	183	ES 300	1994 - 1999	V6	1MZ-FE	F.I.	D.O.H.C.	13011-0A020	SWT10177
2995	3.0L	183	ES 300	2000 - 2003	V6	1MZ-FE	F.I.	D.O.H.C.	13011-0A020	SWT10177
2995	3.0L	183	ES 300	2000 - 2003	V6	1MZ-FE	F.I.	D.O.H.C.	13011-0A020	SWT10177
2995	3.0L	183	RX 300	1998 - 1999	V6	1MZ-FE	F.I.	D.O.H.C.	13011-0A020	SWT10177
2995	3.0L	183	RX 300	1998 - 1999	V6	1MZ-FE	F.I.	D.O.H.C.	13011-0A020	SWT10177
2995	3.0L	183	RX 300	2000 - 2003	V6	1MZ-FE	F.I.	D.O.H.C.	13011-0A020	SWT10177
2995	3.0L	183	RX 300	2000 - 2003	V6	1MZ-FE	F.I.	D.O.H.C.	13011-0A020	SWT10177
2997	3.0L	183	GS 300	1994 - 1997	6	2JZ-GE	F.I.	D.O.H.C.	13011-46041	SWT10134
2997	3.0L	183	SC 300	1992 - 1997	6	2JZ-GE	F.I.	D.O.H.C.	13011-46041	SWT10134
2997	3.0L	183	GS 300	1998 - 2005	6	2JZ-GE	F.I.	D.O.H.C.	13011-46041	SWT10134
2997	3.0L	183	IS 300	2001 - 2005	6	2JZ-GE	F.I.	D.O.H.C.	13011-46041	SWT10134
2997	3.0L	183	SC 300	1998 - 2001	6	2JZ-GE	F.I.	D.O.H.C.	13011-46041	SWT10134
3311	3.3L	202	ES 330	2004 - 2006	V6	3MZ-FE	F.I.	D.O.H.C.	13011-0A031	SWT10228
3311	3.3L	202	RX 330	2004 - 2006	V6	3MZ-FE	F.I.	D.O.H.C.	13011-0A031	SWT10228
3311	3.3L	202	RX 400 HYBRID	2006 - 2010	V6	3MZ-FXE	F.I.	D.O.H.C.	13011-0A031	SWT10228
3456	3.5L	211	ES 350	2007 - 2010	V6	2GR-FE	F.I.	D.O.H.C.	13011-31140	SDT10194
3456	3.5L	211	ES 350	2011 - 2015	V6	2GR-FE	F.I.	D.O.H.C.	13011-0P040	SDT10194
3456	3.5L	211	RX 350	2007 - 2010	V6	2GR-FE	F.I.	D.O.H.C.	13011-31140	SDT10194
3456	3.5L	211	RX 350	2011 - 2015	V6	2GR-FE	F.I.	D.O.H.C.	13011-0P040	SDT10194

PISTONS

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PISTON REFERENCE NUMBER	NOA PISTON #	HEAD PAGE #	DIA. mm	1 S T	2 N D	3 R D	O 1	O 2	REMARK
13101-37120	NA		80.50	1.00	1.00		1.50		16 VALVE
-	NA		86.00						w/ TURBO, 16 VALVE
13211-28120-A0	NA		88.50	1.00	1.00		2.00		16 VALVE
-	NA		90.00						16 VALVE
-	NA		90.00						16 VALVE
-	NA		90.00						16 VALVE
-	NA		90.00						16 VALVE
13101-31050-B0	NA		83.00	1.20	1.20		2.00		RIGHT, 24 VALVE
13301-31020-B0	NA		83.00	1.20	1.20		2.00		LEFT, 24 VALVE
13101-31050-B0	NA		83.00	1.20	1.20		2.00		RIGHT, 24 VALVE
13301-31020-B0	NA		83.00	1.20	1.20		2.00		LEFT, 24 VALVE
13101-62020-01	11-651	303	87.50	1.50	1.50		3.00		24 VALVE
13101-62040-01	11-661	305	87.50	1.50	1.50		4.00		24 VALVE
13101-31040	NA		87.50	1.20	1.20		2.00		RIGHT, 24 VALVE
13301-31010	NA		87.50	1.20	1.20		2.00		LEFT, 24 VALVE
13101-20030	11-720	312	87.50	1.20	1.20		3.00		RIGHT, 24 VALVE
13301-20020	11-720	312	87.50	1.20	1.20		3.00		LEFT, 24 VALVE
13101-0A020	11-720	312	87.50	1.20	1.20		3.00		RIGHT, 24 VALVE
13301-0A020	11-720	312	87.50	1.20	1.20		3.00		LEFT, 24 VALVE
13101-20030	11-720	312	87.50	1.20	1.20		3.00		RIGHT, 24 VALVE
13301-20020	11-720	312	87.50	1.20	1.20		3.00		LEFT, 24 VALVE
13101-0A020	11-720	312	87.50	1.20	1.20		3.00		RIGHT, 24 VALVE
13301-0A020	11-720	312	87.50	1.20	1.20		3.00		LEFT, 24 VALVE
13101-46031	DISC. 11-770		86.00	1.50	1.50		4.00		24 VALVE
13101-46031	DISC. 11-770		86.00	1.50	1.50		4.00		24 VALVE
13101-46081	11-851	337	86.00	1.50	1.50		4.00		24 VALVE
13101-46081	11-851	337	86.00	1.50	1.50		4.00		Including SportCross, 24 VALVE
13101-46081	11-851	337	86.00	1.50	1.50		4.00		24 VALVE
13101-0A040	11-867	341	92.00	1.20	1.20		3.00		24 VALVE
13101-0A040	11-867	341	92.00	1.20	1.20		3.00		24 VALVE
13101-0A040	11-867	341	92.00	1.20	1.20		3.00		24 VALVE
13101-31092-A0	11-870	342	94.00	1.20	1.20		2.00		24 VALVE
13101-31092-A0	11-870	342	94.00	1.20	1.20		2.00		24 VALVE
13101-31092-A0	11-870	342	94.00	1.20	1.20		2.00		24 VALVE
13101-0P053	11-870	342	94.00	1.20	1.20		2.00		24 VALVE

LEXUS

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ENGINE SIZE			MODEL NAME	YEAR	C Y L	ENGINE CODE NUMBER	F.I. CARB DIESEL	O.H.V. S.O.H.C. D.O.H.C.	RING REFERENCE NUMBER	NOA PISTON RING #
cc	L	ci								
LEXUS										
3456	3.5L	211	GS 350	2006 - 2015	V6	2GR-FSE	F.I.	D.O.H.C.	13011-31142	SDT10194
3456	3.5L	211	GS 350	2006 - 2015	V6	2GR-FSE	F.I.	D.O.H.C.	13011-31142	SDT10194
3456	3.5L	211	GS 450 HYBRID	2007 - 2015	V6	2GR-FXE	F.I.	D.O.H.C.	13011-31142	SDT10194
3456	3.5L	211	GS 450 HYBRID	2007 - 2015	V6	2GR-FXE	F.I.	D.O.H.C.	13011-31142	SDT10194
3456	3.5L	211	IS 350	2006 - 2015	V6	2GR-FSE	F.I.	D.O.H.C.	13011-31142	SDT10194
3456	3.5L	211	IS 350	2006 - 2015	V6	2GR-FSE	F.I.	D.O.H.C.	13011-31142	SDT10194
3456	3.5L	211	IS 350C	2010 - 2015	V6	2GR-FSE	F.I.	D.O.H.C.	13011-31142	SDT10194
3456	3.5L	211	IS 350C	2010 - 2015	V6	2GR-FSE	F.I.	D.O.H.C.	13011-31142	SDT10194
3456	3.5L	211	RX 450 HYBRID	2010 - 2015	V6	2GR-FXE	F.I.	D.O.H.C.	13011-31160	SDT10194
3456	3.5L	211	RC 350	2015 - 2016	V6	2GR-FXE	F.I.	D.O.H.C.	13011-31160	SDT10194
3969	4.0L	242	GS 400	1998 - 2001	V8	1UZ-FE	F.I.	D.O.H.C.	13011-50120	SWT10147
3969	4.0L	242	GS 400	1998 - 2001	V8	1UZ-FE	F.I.	D.O.H.C.	13011-50120	SWT10147
3969	4.0L	242	LS 400	1990 - 1994	V8	1UZ-FE	F.I.	D.O.H.C.	13011-50040	SWT10147
3969	4.0L	242	LS 400	1990 - 1994	V8	1UZ-FE	F.I.	D.O.H.C.	13011-50040	SWT10147
3969	4.0L	242	LS 400	1995 - 1997	V8	1UZ-FE	F.I.	D.O.H.C.	13011-50080	SWT10147
3969	4.0L	242	LS 400	1995 - 1997	V8	1UZ-FE	F.I.	D.O.H.C.	13011-50080	SWT10147
3969	4.0L	242	LS 400	1998 - 2000	V8	1UZ-FE	F.I.	D.O.H.C.	13011-50110	SWT10147
3969	4.0L	242	LS 400	1998 - 2000	V8	1UZ-FE	F.I.	D.O.H.C.	13011-50110	SWT10147
3969	4.0L	242	SC 400	1992 - 1995	V8	1UZ-FE	F.I.	D.O.H.C.	13011-50040	SWT10147
3969	4.0L	242	SC 400	1992 - 1995	V8	1UZ-FE	F.I.	D.O.H.C.	13011-50040	SWT10147
3969	4.0L	242	SC 400	1996 ONLY	V8	1UZ-FE	F.I.	D.O.H.C.	13011-50080	SWT10147
3969	4.0L	242	SC 400	1996 ONLY	V8	1UZ-FE	F.I.	D.O.H.C.	13011-50080	SWT10147
3969	4.0L	242	SC 400	1997 - 2000	V8	1UZ-FE	F.I.	D.O.H.C.	13011-50120	SWT10147
3969	4.0L	242	SC 400	1997 - 2000	V8	1UZ-FE	F.I.	D.O.H.C.	13011-50120	SWT10147
4293	4.3L	262	GS 430	2002 - 2008	V8	3UZ-FE	F.I.	D.O.H.C.	13011-50170	NA
4293	4.3L	262	GS 430	2002 - 2008	V8	3UZ-FE	F.I.	D.O.H.C.	13011-50170	NA
4293	4.3L	262	LS 430	2001 - 2006	V8	3UZ-FE	F.I.	D.O.H.C.	13011-50170	NA
4293	4.3L	262	LS 430	2001 - 2006	V8	3UZ-FE	F.I.	D.O.H.C.	13011-50170	NA
4293	4.3L	262	SC 430	2002 - 2006	V8	3UZ-FE	F.I.	D.O.H.C.	13011-50170	NA
4293	4.3L	262	SC 430	2002 - 2006	V8	3UZ-FE	F.I.	D.O.H.C.	13011-50170	NA
4293	4.3L	262	SC 430	2007 - 2010	V8	3UZ-FE	F.I.	D.O.H.C.	13011-50170	NA
4293	4.3L	262	SC 430	2007 - 2010	V8	3UZ-FE	F.I.	D.O.H.C.	13011-50170	NA
4477	4.5L	273	LX 450	1996 - 1997	V6	1FZ-FE	F.I.	D.O.H.C.	13011-66021	SWT10184
4608	4.6L	281	GS 460	2008 - 2011	V8	1UR-FSE	F.I.	D.O.H.C.	13011-38080	SDT10204
4608	4.6L	281	GS 460	2008 - 2011	V8	1UR-FSE	F.I.	D.O.H.C.	13011-38080	SDT10204
4608	4.6L	281	LS 460	2007 - 2015	V8	1UR-FSE	F.I.	D.O.H.C.	13011-38081	SDT10204
4608	4.6L	281	LS 460	2007 - 2015	V8	1UR-FSE	F.I.	D.O.H.C.	13011-38081	SDT10204
4608	4.6L	281	GX 460	2010 - 2015	V8	1UR-FE	F.I.	D.O.H.C.	13011-0S011	NA
LEXUS - CONTINUED										

PISTONS

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PISTON REFERENCE NUMBER	NOA PISTON #	HEAD PAGE #	DIA. mm	1 S T	2 N D	3 R D	O 1	O 2	REMARK
13101-31061-A0	NA		94.00	1.20	1.20		2.00		RIGHT, 24 VALVE
13301-31031-A0	NA		94.00	1.20	1.20		2.00		LEFT, 24 VALVE
13101-31061-A0	NA		94.00	1.20	1.20		2.00		GYL, RIGHT, 24 VALVE
13301-31031-A0	NA		94.00	1.20	1.20		2.00		GYL, RIGHT, 24 VALVE
13101-31061-A0	NA		94.00	1.20	1.20		2.00		RIGHT, 24 VALVE
13301-31031-A0	NA		94.00	1.20	1.20		2.00		LEFT, 24 VALVE
13101-31061-A0	NA		94.00	1.20	1.20		2.00		RIGHT, 24 VALVE
13301-31031-A0	NA		94.00	1.20	1.20		2.00		LEFT, 24 VALVE
13101-31110-A0	NA		94.00	1.20	1.20		2.00		GWL, 24 VALVE
13101-31110-A0	NA		94.00	1.20	1.20		2.00		24 VALVE
13101-54040-01	NA		87.50	1.50	1.50		3.00		RIGHT, 32 VALVE
13301-54040-01	NA		87.50	1.50	1.50		3.00		LEFT, 32 VALVE
13101-50020-01	NA		87.50	1.50	1.50		3.00		RIGHT, 32 VALVE
13301-50010-01	NA		87.50	1.50	1.50		3.00		LEFT, 32 VALVE
13101-50030-01	NA		87.50	1.50	1.50		3.00		RIGHT, 32 VALVE
13301-50020-01	NA		87.50	1.50	1.50		3.00		LEFT, 32 VALVE
13101-50040-01	NA		87.50	1.50	1.50		3.00		RIGHT, 32 VALVE
13301-50030-01	NA		87.50	1.50	1.50		3.00		LEFT, 32 VALVE
13101-50020-01	NA		87.50	1.50	1.50		3.00		RIGHT, 32 VALVE
13301-50010-01	NA		87.50	1.50	1.50		3.00		LEFT, 32 VALVE
13101-50030-01	NA		87.50	1.50	1.50		3.00		RIGHT, 32 VALVE
13301-50020-01	NA		87.50	1.50	1.50		3.00		LEFT, 32 VALVE
13101-50040-01	NA		87.50	1.50	1.50		3.00		RIGHT, 32 VALVE
13301-50030-01	NA		87.50	1.50	1.50		3.00		LEFT, 32 VALVE
13101-50070-02	NA		91.00	1.20	1.20		3.00		RIGHT, 32 VALVE
13301-50060-01	NA		91.00	1.20	1.20		3.00		LEFT, 32 VALVE
13101-50070-02	NA		91.00	1.20	1.20		3.00		RIGHT, 32 VALVE
13301-50060-01	NA		91.00	1.20	1.20		3.00		LEFT, 32 VALVE
13101-50070-02	NA		91.00	1.20	1.20		3.00		RIGHT, 32 VALVE
13301-50060-01	NA		91.00	1.20	1.20		3.00		LEFT, 32 VALVE
13101-50090-02	NA		91.00	1.20	1.20		3.00		RIGHT, 32 VALVE
13301-50080-01	NA		91.00	1.20	1.20		3.00		LEFT, 32 VALVE
13101-66040-01	DISC. 11-700		100.00	1.75	2.00		4.00		24 VALVE
13101-38090	NA		94.00	1.20	1.20		2.00		RIGHT, 32 VALVE
13301-38010	NA		94.00	1.20	1.20		2.00		LEFT, 32 VALVE
13101-38090	NA		94.00	1.20	1.20		2.00		RIGHT, 32 VALVE
13301-38010	NA		94.00	1.20	1.20		2.00		LEFT, 32 VALVE
13101-0S020	NA		94.00						32 VALVE

LEXUS

LEXUS - CONTINUED

U.S. APPLICATIONS

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ENGINE SIZE			MODEL NAME	YEAR	C Y L	ENGINE CODE NUMBER	F.I. CARB DIESEL	O.H.V. S.O.H.C. D.O.H.C.	RING REFERENCE NUMBER	NOA PISTON RING #
cc	L	ci								
LEXUS										
4664	4.7L	285	GX 470	2003 - 2004	V8	2UZ-FE	F.I.	D.O.H.C.	13011-50161	SWT10203
4664	4.7L	285	GX 470	2003 - 2009	V8	2UZ-FE	F.I.	D.O.H.C.	13011-50161	SWT10203
4664	4.7L	285	LX 470	1998 - 2004	V8	2UZ-FE	F.I.	D.O.H.C.	13011-50140	SWT10203
4664	4.7L	285	LX 470	1998 - 2004	V8	2UZ-FE	F.I.	D.O.H.C.	13011-50140	SWT10203
4664	4.7L	285	GX 470	2005 - 2009	V8	2UZ-FE	F.I.	D.O.H.C.	13011-50161	SWT10240
4664	4.7L	285	GX 470	2003 - 2009	V8	2UZ-FE	F.I.	D.O.H.C.	13011-50161	SWT10240
4664	4.7L	285	LX 470	2005 - 2007	V8	2UZ-FE	F.I.	D.O.H.C.	13011-01F10	SWT10240
4664	4.7L	285	LX 470	2005 - 2007	V8	2UZ-FE	F.I.	D.O.H.C.	13011-01F10	SWT10240
4805	4.8L	293	LFA	2012 - 2015	V10	1LR-GUE	F.I.	D.O.H.C.	-	NA
4805	4.8L	293	LFA	2012 - 2015	V10	1LR-GUE	F.I.	D.O.H.C.	-	NA
4969	5.0L	303	IS-F	2008 - 2015	V8	2UR-GSE	F.I.	D.O.H.C.	13011-38090	SDT10204
4969	5.0L	303	IS-F	2008 - 2015	V8	2UR-GSE	F.I.	D.O.H.C.	13011-38090	SDT10204
4969	5.0L	303	LS 600 HYBRID	2008 - 2015	V8	2UR-FSE	F.I.	D.O.H.C.	13011-38090	SDT10204
4969	5.0L	303	LS 600 HYBRID	2008 - 2015	V8	2UR-FSE	F.I.	D.O.H.C.	13011-38090	SDT10204
4969	5.0L	303	RC F	2015 - 2016	V8	2UR-GSE	F.I.	D.O.H.C.	13011-38090	SDT10204
4969	5.0L	303	RC F	2015 - 2016	V8	2UR-GSE	F.I.	D.O.H.C.	13011-38090	SDT10204
5000	5.0L	305	LF-LC HYBRID	2016 - 2017	V8		F.I.	D.O.H.C.	-	NA
5000	5.0L	305	LF-LC HYBRID	2016 - 2017	V8		F.I.	D.O.H.C.	-	NA
5663	5.7L	346	LX 570	2008 - 2015	V8	3UR-FE	F.I.	D.O.H.C.	13011-0S011	NA
LEXUS - END										

PISTONS

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PISTON REFERENCE NUMBER	NOA PISTON #	HEAD PAGE #	DIA. mm	1 S T	2 N D	3 R D	O 1	O 2	REMARK
									LEXUS
13101-50050-01	11-801	328	94.00	1.50	1.50		4.00		RIGHT, 32 VALVE
13301-50040-01	11-801	328	94.00	1.50	1.50		4.00		LEFT, 32 VALVE
13101-50050-01	11-801	328	94.00	1.50	1.50		4.00		RIGHT, 32 VALVE
13301-50040-01	11-801	328	94.00	1.50	1.50		4.00		LEFT, 32 VALVE
13101-50081-01	11-912	352	94.00	1.50	1.50		4.00		RIGHT, 32 VALVE
13301-50071-01	11-912	352	94.00	1.50	1.50		4.00		LEFT, 32 VALVE
13101-50081-01	11-912	352	94.00	1.50	1.50		4.00		RIGHT, 32 VALVE
13301-50071-01	11-912	352	94.00	1.50	1.50		4.00		LEFT, 32 VALVE
-	NA		88.00						RIGHT, 40 VALVE
-	NA		88.00						LEFT, 40 VALVE
13101-38120	NA		94.00	1.20	1.20		2.00		RIGHT, 32 VALVE
13301-38020	NA		94.00	1.20	1.20		2.00		LEFT, 32 VALVE
13101-38120	NA		94.00	1.20	1.20		2.00		RIGHT, 32 VALVE
13301-38020	NA		94.00	1.20	1.20		2.00		LEFT, 32 VALVE
13101-38120	NA		94.00	1.20	1.20		2.00		RIGHT, 32 VALVE
13301-38020	NA		94.00	1.20	1.20		2.00		LEFT, 32 VALVE
-	NA								RIGHT, 32 VALVE
-	NA								LEFT, 32 VALVE
13101-0S011	NA		94.00						32 VALVE
LEXUS - END									

U.S. APPLICATIONS

PISTON RINGS

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ENGINE SIZE			MODEL NAME	YEAR	CYL	ENGINE CODE NUMBER	F.I. CARB DIESEL	O.H.V. S.O.H.C. D.O.H.C.	RING REFERENCE NUMBER	NOA PISTON RING #
cc	L	ci								
1146	1.1L	70	RX-7	1981 - 1985		12A			Rotary Engine	NA
1200	1.2L	73	1200	1972 - 1975	4	TB	CARB		0271-23-170	SXT20009
1272	1.3L	78	808	1976 - 1978	4	TC	CARB		0324-23-130	SWT20026
1272	1.3L	78	GLC	1977 - 1978	4	TC	CARB		0324-23-130	SWT20026
1296	1.3L	79	GLC	1983 - 1984	4	E3	CARB		E302-23-130A	SWT20045
1308	1.3L	80	RX-7	1986 - 1991		13B			Rotary Engine	NA
1309	1.3L	80	RX-7	1992 - 1995		13B-REW			Rotary Engine	NA
1308	1.3L	80	RX-8	2004 - 2012		13B-MSP			Rotary Engine	NA
1415	1.4L	86	GLC	1979 - 1980	4	UC	CARB		8569-23-130A	SWT20036
1489	1.5L	91	PROTÉGÉ	1995 - 1998	4	Z5	F.I.	D.O.H.C.	Z5Y0-11-SC0	SWT20074
1490	1.5L	91	GLC	1983 - 1985	4	E5	CARB		E302-23-130A	SWT20045
1490	1.5L	91	GLC	1981 - 1985	4	E5	CARB		E512-23-130	SWT20037
1498	1.5L	91	MAZDA 2	2011 - 2015	4	ZY-VE	F.I.	D.O.H.C.	ZYY2-11-SC0	SWT20087
1586	1.6L	97	808	1972 - 1978	4	NA	CARB	S.O.H.C.	0494-23-130	SWT20025
1586	1.6L	97	B1600	1972 - 1978	4	NA	CARB	S.O.H.C.	0494-23-130	SWT20025
1597	1.6L	97	323	1986 - 1995	4	B6	F.I.	S.O.H.C.	B6Y0-11-SC0A	SWT20060
1597	1.6L	97	323	1988 - 1993	4	B6T	F.I.	D.O.H.C.	B6Y0-11-SC0A	SWT20060
1597	1.6L	97	MIATA MX5	1989 - 1993	4	B6-ZE	F.I.	D.O.H.C.	B6Y4-11-SC0B	SWT20060
1597	1.6L	97	MIATA MX5	1989 - 1993	4	B6-ZE	F.I.	D.O.H.C.	B6Y3-11-SC0A	SWT20063
1597	1.6L	97	323	1994 - 1995	4	B6	F.I.	S.O.H.C.	B6Y6-11-SC0A	SWT20060
1597	1.6L	97	MX3	1992 - 1993	4	B6-ME	F.I.	S.O.H.C.	B6Y6-11-SC0A	SWT20060
1597	1.6L	97	MX3	1994 - 1997	4	B6-ME	F.I.	S.O.H.C.	B6Y6-11-SC0A	SWT20060
1597	1.6L	97	PROTÉGÉ	1999 - 2001	4	ZL	F.I.	D.O.H.C.	ZLY0-11-SC0	SWT20080
1796	1.8L	110	618	1972 - 1973	4	VB	CARB		0494-23-130	SWT20025
1797	1.8L	110	618	1972 ONLY	4	VB	CARB	S.O.H.C.	0494-23-130	SWT20025
1797	1.8L	110	B1800	1977 - 1978	4	VB	CARB	S.O.H.C.	3763-23-130	SWT20025

PISTONS

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PISTON REFERENCE NUMBER	NOA PISTON #	HEAD PAGE #	DIA. mm	1 S T	2 N D	3 R D	O 1	O 2	REMARK
-	NA								
0271-23-200	DISC. 11-702		70.00	2.00	2.00		4.00		8 VALVE
0370-23-200	DISC. 11-123		73.00	2.00	2.00		4.00		8 VALVE
0370-23-200	DISC. 11-123		73.00	2.00	2.00		4.00		8 VALVE
E302-23-200A	11-124	282	77.00	1.50	2.00		4.00		8 VALVE
-	NA								
-	NA								
-	NA								
8569-23-200	DISC. 11-125		77.00	1.50	1.50		4.00		
Z5Y0-11-SA0B	11-731	315	75.30	1.00	1.20		2.50		16 VALVE
E502-23-200A	11-127	283	77.00	1.50	2.00		4.00		F.W.D., 8 VALVE
E501-23-200	DISC. 11-126		77.00	1.20	1.50		4.00		8 VALVE
ZYY3-11-SA0	NA		78.00	1.20	1.20		2.50		16 VALVE
0305-23-200	DISC. 11-128		78.00	1.50	1.50		4.00		8 VALVE
0305-23-200	DISC. 11-128		78.00	1.50	1.50		4.00		8 VALVE
B6Y0-11-SA0A	DISC. 11-577		78.00	1.50	1.50		4.00		8 VALVE
B6Z0-11-SA0A	DISC. 11-578		78.00	1.50	1.50		4.00		w/ TURBO, 16 VALVE
B6Z2-11-SA0C	11-579	294	78.00	1.50	1.50		4.00		STD TRANS, 16 VALVE
B6Z5-11-SC0	DISC. 11-588		78.00	1.50	1.50		3.00		AUTO TRANS, 16 VALVE
B6Y3-11-SA0A	DISC. 11-786		78.00	1.50	1.50		4.00		w/ CALIF E.C.S., 8 VALVE
B6Y3-11-SA0A	DISC. 11-786		78.00	1.50	1.50		4.00		16 VALVE
B6Z7-11-SA0	11-794	326	78.00	1.50	1.50		4.00		16 VALVE
ZMY0-11-SA0	NA		80.00	1.20	1.50		3.00		16 VALVE
2683-99-111	NA		78.00	1.50	1.50		4.00		w/ CALIF E.C.S.
0290-23-200	DISC. 11-092		78.00	1.50	1.50		4.00		8 VALVE
3879-23-200	DISC. 11-092		78.00	1.50	1.50		4.00		8 VALVE

MAZDA

U.S. APPLICATIONS

PISTON RINGS

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ENGINE SIZE			MODEL NAME	YEAR	C Y L	ENGINE CODE NUMBER	F.I. CARB DIESEL	O.H.V. S.O.H.C. D.O.H.C.	RING REFERENCE NUMBER	NOA PISTON RING #
cc	L	ci								
MAZDA										
1839	1.8L	112	MIATA MX5	1999 - 2000	4	BP05-4W	F.I.	D.O.H.C.	BPZ0-11-SC0A	SWT20066
1839	1.8L	112	PROTÉGÉ	1990 - 1994	4	BP01	F.I.	D.O.H.C.	BPY3-11-SC0	SWT20066
1839	1.8L	112	MIATA MX5	1994 - 1997	4	BP05-ZE	F.I.	D.O.H.C.	BPY1-11-SC0	SWT20066
1839	1.8L	112	PROTÉGÉ	1990 - 1998	4	BP05	F.I.	D.O.H.C.	BPY1-11-SC0	SWT20066
1839	1.8L	112	MIATA MX5	2001 - 2005	4	BP05-VE	F.I.	D.O.H.C.	BPZ0-11-SC0A	SWT20066
1839	1.8L	112	PROTÉGÉ	1999 - 2000	4	FP	F.I.	D.O.H.C.	FSY2-11-SC0A	SWT20078
1844	1.8L	113	MX3	1992 - 1994	V6	K8-DE	F.I.	D.O.H.C.	K8Y2-11-SC0A	SWT20067
1844	1.8L	113	MX3	1992 - 1994	V6	K8-DE	F.I.	D.O.H.C.	K8Y2-11-SC0A	SWT20067
1970	2.0L	120	626	1979 - 1981	4	MA	CARB	S.O.H.C.	HE18-23-130	SWT20031
1970	2.0L	120	B2000	1979 - 1981	4	MA	CARB	S.O.H.C.	HE18-23-130	SWT20031
1970	2.0L	120	626	1982 ONLY	4	MA	CARB	S.O.H.C.	HE05-23-130	SWT20042
1970	2.0L	120	B2000	1982 - 1984	4	MA	CARB	S.O.H.C.	HE05-23-130	SWT20042
1988	2.0L	121	TRIBUTE	2001 - 2004	4	YF	F.I.	D.O.H.C.	YF09-11-100A	SWF30002
1991	2.0L	121	626	1993 - 2002	4	FS-DE	F.I.	D.O.H.C.	FSY2-11-SC0A	SWT20078
1991	2.0L	121	MX6	1993 - 1997	4	FS	F.I.	D.O.H.C.	FSY2-11-SC0A	SWT20078
1991	2.0L	121	PROTÉGÉ	2001 ONLY	4	FS	F.I.	D.O.H.C.	FSY2-11-SC0A	SWT20078
1991	2.0L	121	PROTÉGÉ 5	2002 - 2003	4	FS	F.I.	D.O.H.C.	FSY2-11-SC0A	SWT20078
1991	2.0L	121	PROTÉGÉ	2002 - 2003	4	FS	F.I.	D.O.H.C.	FSY2-11-SC0A	SWT20078
1998	2.0L	122	626	1983 - 1987	4	FE	C & F	S.O.H.C.	F2Y1-11-SC0	SWT20048
1998	2.0L	122	B2000	1985 - 1987	4	FE	CARB	S.O.H.C.	F2Y1-11-SC0	SWT20048
1998	2.0L	122	626	1984 - 1985	4	RFX	DIESEL		RF01-23-130A	SDT20055
1998	2.0L	122	626	1986 - 1987	4	FET	F.I.	S.O.H.C.	F2Y1-11-SC0	SWT20048
1998	2.0L	122	CX-5	2013 - 2015	4	SkyActiv-G 2.0	F.I.	D.O.H.C.	-	NA
1998	2.0L	122	MAZDA 3	2013 - 2015	4	SkyActiv-G 2.0	F.I.	D.O.H.C.	-	NA
1999	2.0L	122	MAZDA 3	2004 - 2005	4	LF-DE	F.I.	D.O.H.C.	LFY7-11-SC0A	SWT20090
1999	2.0L	122	MAZDA 3	2006 - 2011	4	LF-DE	F.I.	D.O.H.C.	LFY7-11-SC0A	SWT20090
1999	2.0L	122	MAZDA 3	2004 - 2005	4	LF-DE	F.I.	D.O.H.C.	LFY1-11-SC0A	SWT20089
1999	2.0L	122	MAZDA 3	2006 - 2013	4	LF-DE	F.I.	D.O.H.C.	LFY1-11-SC0A	SWT20089
1999	2.0L	122	MIATA MX5	2006 - 2007	4	LF-DE	F.I.	D.O.H.C.	LFY5-11-SC0	SWT20089
1999	2.0L	122	MIATA MX5	2009 - 2015	4	LF-DE	F.I.	D.O.H.C.	LFY1-11-SC0A	SWT20089

PISTONS

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PISTON REFERENCE NUMBER	NOA PISTON #	HEAD PAGE #	DIA. mm	1 S T	2 N D	3 R D	O 1	O 2	REMARK
MAZDA									
BPZ0-11-SA0	11-584	295	83.00	1.50	1.50		3.00		16 VALVE
BPZ0-11-SA0A	11-584	295	83.00	1.50	1.50		3.00		16 VALVE
BPY1-11-SA0A	11-703	310	83.00	1.50	1.50		3.00		16 VALVE
BPY1-11-SA0A	11-703	310	83.00	1.50	1.50		3.00		16 VALVE
BPZ3-11-SA0	11-842	336	83.00	1.50	1.50		3.00		16 VALVE
FPY1-11-SA0E	DISC. 11-715		83.00	1.20	1.50		3.00		16 VALVE
K8Y1-11-SA0B	NA		75.00	1.50	1.50		3.00		RIGHT, 24 VALVE
K8Y1-11-SL0B	NA		75.00	1.50	1.50		3.00		LEFT, 24 VALVE
HE01-23-200	DISC. 11-130		80.00	1.20	1.50		4.00		8 VALVE
HE01-23-200	DISC. 11-130		80.00	1.20	1.50		4.00		8 VALVE
HE41-23-200	DISC. 11-131		80.00	1.50	2.00		4.00		8 VALVE
HE41-23-200	DISC. 11-131		80.00	1.50	2.00		4.00		8 VALVE
YF09-11-SA0	NA		84.50	1.50	1.75		3.00		FORD Zetec-R 2.0, 16 VALVE
FSY1-11-SA0D	11-706	310	83.00	1.20	1.50		3.00		16 VALVE
FSY1-11-SA0D	11-706	310	83.00	1.20	1.50		3.00		16 VALVE
FSY1-11-SA0D	11-706	310	83.00	1.20	1.50		3.00		16 VALVE
FSY1-11-SA0D	11-706	310	83.00	1.20	1.50		3.00		16 VALVE
FSY3-11-SA0D	11-706	310	83.00	1.20	1.50		3.00		16 VALVE
FE01-23-200	11-129	283	86.00	1.50	1.50		4.00		8 VALVE
FE01-23-200	11-129	283	86.00	1.50	1.50		4.00		8 VALVE
RF01-23-200B	11-701	309	86.00	2.00	2.00		4.00		
FE30-23-200A	DISC. 11-572		86.00	1.50	1.50		4.00		w/ TURBO, 8 VALVE
-	NA		83.50						16 VALVE
-	NA		83.50						16 VALVE
LFY4-11-010	NA		87.50	1.20	1.20		2.50		FORD Duratec 20, w/ CALIF. E.C.S., 16 VALVE
LFY7-11-010	NA		87.50	1.20	1.20		2.50		FORD Duratec 20, w/ CALIF. E.C.S., 16 VALVE
LFY2-11-010	11-854	338	87.50	1.20	1.20		2.50		FORD Duratec 20, 16 VALVE
LFY5-11-010	11-898	349	87.50	1.20	1.20		2.50		FORD Duratec 20, 16 VALVE
LFYA-11-010	NA		87.50	1.20	1.20		2.50		16 VALVE
LFYA-11-010	NA		87.50	1.20	1.20		2.50		AUTO TRANS, 16 VALVE

U.S. APPLICATIONS

PISTON RINGS

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ENGINE SIZE			MODEL NAME	YEAR	C Y L	ENGINE CODE NUMBER	F.I. CARB DIESEL	O.H.V. S.O.H.C. D.O.H.C.	RING REFERENCE NUMBER	NOA PISTON RING #
cc	L	ci								
MAZDA										
1999	2.0L	122	MIATA MX5	2009 - 2015	4	LF-DE	F.I.	D.O.H.C.	LFY1-11-SC0A	SWT20089
2184	2.2L	133	626	1988 - 1992	4	F2	F.I.	S.O.H.C.	F2Y1-11-SC0	SWT20048
2184	2.2L	133	MX6	1988 - 1992	4	F2	F.I.	S.O.H.C.	F2Y1-11-SC0	SWT20048
2184	2.2L	133	626	1988 - 1992	4	F2	F.I.	S.O.H.C.	F2Y1-11-SC0	SWT20048
2184	2.2L	133	MX6	1988 - 1992	4	F2	F.I.	S.O.H.C.	F2Y1-11-SC0	SWT20048
2184	2.2L	133	626	1988 - 1992	4	F2	F.I.	S.O.H.C.	F2Y1-11-SC0	SWT20048
2184	2.2L	133	B2200	1986 - 1993	4	F2	F & C	S.O.H.C.	F2Y1-11-SC0	SWT20048
2184	2.2L	133	MX6	1988 - 1992	4	F2	F.I.	S.O.H.C.	F2Y1-11-SC0	SWT20048
2188	2.2L	134	CX-5	2013 - 2015	4	SkyActiv-D 2.2	DIESEL	D.O.H.C.	SHY1-11-SC0	SDT20091
2209	2.2L	135	B2200	1982 - 1985	4	S2	DIESEL		1456-23-206	SDT20032
2255	2.3L	138	MILLENNIA	1995 - 1996	V6	KJ-ZEM	F.I.	D.O.H.C.	KJY1-11-SC0A	NA
2255	2.3L	138	MILLENNIA	1995 - 1996	V6	KJ-ZEM	F.I.	D.O.H.C.	KJY1-11-SC0A	NA
2255	2.3L	138	MILLENNIA	1997 - 2002	V6	KJ-ZEM	F.I.	D.O.H.C.	KJY1-11-SC0A	NA
2255	2.3L	138	MILLENNIA	1997 - 2002	V6	KJ-ZEM	F.I.	D.O.H.C.	KJY1-11-SC0A	NA
2260	2.3L	138	B2300	2001 - 2009	4	L3-VE	F.I.	D.O.H.C.	L3Y3-11-SC0	SWT20090
2260	2.3L	138	MAZDA 3	2004 - 2009	4	L3-VE	F.I.	D.O.H.C.	LFY7-11-SC0A	SWT20090
2260	2.3L	138	MAZDA 5	2006 - 2010	4	L3-VE	F.I.	D.O.H.C.	L3Y6-11-SC0	SWT20090
2260	2.3L	138	MAZDA 6	2003 - 2004	4	L3-VE	F.I.	D.O.H.C.	LFY7-11-SC0A	SWT20090
2260	2.3L	138	TRIBUTE	2005 - 2006	4	L3-VE	F.I.	D.O.H.C.	L3Y3-11-SC0	SWT20090
2260	2.3L	138	MAZDA 3	2006 - 2009	4	L3-VE	F.I.	D.O.H.C.	L3Y6-11-SC0	SWT20090
2260	2.3L	138	MAZDA 6	2005 - 2008	4	L3-VE	F.I.	D.O.H.C.	LFY7-11-SC0A	SWT20090
2260	2.3L	138	MAZDA 3	2007 - 2009	4	L3-VE	F.I.	D.O.H.C.	LFY7-11-SC0A	SWT20090
2260	2.3L	138	MAZDA 6	2006 - 2007	4	L3-VDT	F.I.	D.O.H.C.	L3Y4-11-SC0	NA
2260	2.3L	138	MAZDASPPED6	2006 - 2008	4	L3-VDT	F.I.	D.O.H.C.	L3Y4-11-SC0	NA
2260	2.3L	138	CX-7	2006 - 2009	4	L3-VDT	F.I.	D.O.H.C.	L3Y4-11-SC0	NA
2260	2.3L	138	MAZDA 3	2007 - 2009	4	L3-VDT	F.I.	D.O.H.C.	L3Y4-11-SC0	NA
2260	2.3L	138	CX-7	2010 - 2012	4	L3-VDT	F.I.	D.O.H.C.	L3Y4-11-SC0	NA
2260	2.3L	138	MAZDASPPED3	2007 - 2013	4	L3-VDT	F.I.	D.O.H.C.	L3Y4-11-SC0	NA
2298	2.3L	140	B2300	1994 ONLY	4	A	F.I.	S.O.H.C.	ZZM0-23-130	SWT20071
2298	2.3L	140	B2300	1995 - 1997	4	A	F.I.	S.O.H.C.	ZZM9-23-130	SWT20071
2488	2.5L	152	CX-5	2013 - 2015	4	Skyactiv-G 2.5	F.I.	D.O.H.C.	-	NA
2488	2.5L	152	MAZDA 6	2012 - 2015	4	Skyactiv-G 2.5	F.I.	D.O.H.C.	-	NA

PISTONS

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PISTON REFERENCE NUMBER	NOA PISTON #	HEAD PAGE #	DIA. mm	1 S T	2 N D	3 R D	O 1	O 2	REMARK
LFY0-11-SA0A	NA		87.50	1.20	1.20		2.50		STD TRANS, 16 VALVE
F220-11-SA0	11-573	294	86.00	1.50	1.50		4.00		w/ TURBO, 16 VALVE
F220-11-SA0	11-573	294	86.00	1.50	1.50		4.00		w/ TURBO, 16 VALVE
F2Y2-11-SA0A	11-582	295	86.00	1.50	1.50		4.00		16 VALVE
F2Y2-11-SA0A	11-582	295	86.00	1.50	1.50		4.00		16 VALVE
F2Y4-11-SA0A	11-583	295	86.00	1.50	1.50		4.00		12 VALVE
F2Y4-11-SA0A	11-583	295	86.00	1.50	1.50		4.00		12 VALVE
F2Y4-11-SA0A	11-583	295	86.00	1.50	1.50		4.00		12 VALVE
-	NA		86.00	2.00	1.50		2.00		16 VALVE
8259-23-200C	DISC. 11-132		88.90	2.38	2.38		4.76		
KJY1-11-SA0	DISC. 11-765		80.30	1.50	1.50		3.00		RIGHT, 24 VALVE
KJY1-11-SL0	DISC. 11-765		80.30	1.50	1.50		3.00		LEFT, 24 VALVE
KJY2-11-SA0	NA		80.30	1.50	1.50		3.00		RIGHT, 24 VALVE
KJY2-11-SL0	NA		80.30	1.50	1.50		3.00		LEFT, 24 VALVE
L3Y9-11-010	11-843	336	87.50	1.20	1.20		2.50		FORD Duratec 23, 16 VALVE
L3Y9-11-010	11-843	336	87.50	1.20	1.20		2.50		FORD Duratec 23, 16 VALVE
L3Y9-11-010	11-843	336	87.50	1.20	1.20		2.50		FORD Duratec 23, 16 VALVE
L3Y9-11-010	11-843	336	87.50	1.20	1.20		2.50		FORD Duratec 23, 16 VALVE
L3Y9-11-010	11-843	336	87.50	1.20	1.20		2.50		FORD Duratec 23, 16 VALVE
L3YH-11-010	11-844*	336	87.50	1.20	1.20		2.50		FORD Duratec 23, w/ CALIF. E.C.S., 16 VALVE
L3YH-11-010	11-844*	336	87.50	1.20	1.20		2.50		FORD Duratec 23, 16 VALVE
L3YD-11-010	NA		87.50	1.20	1.20		2.50		FORD Duratec 23, w/ CALIF. E.C.S., 16 VALVE
L3K9-11-210B	NA		87.50	1.50	1.50		2.00		FORD Duatec 23, w/ TURBO, 16 VALVE
L3K9-11-210B	NA		87.50	1.50	1.50		2.00		FORD Duatec 23, w/ TURBO, 16 VALVE
L3Y0-11-SA0	NA		87.50	1.50	1.50		2.00		FORD Duatec 23, w/ TURBO, 16 VALVE
L3Y0-11-SA0	NA		87.50	1.50	1.50		2.00		FORD Duatec 23, w/ TURBO, 16 VALVE
L3Y4-11-SA0	NA		87.50	1.50	1.50		2.00		FORD Duatec 23, w/ TURBO, 16 VALVE
L3Y4-11-SA0	NA		87.50	1.50	1.50		2.00		FORD Duatec 23, w/ TURBO, 16 VALVE
ZZM9-23-200	NA		96.00	1.50	1.50		4.00		8 VALVE
ZZM3-23-200A	NA		96.00	1.50	1.50		4.00		8 VALVE
-	NA		89.00						16 VALVE
-	NA		89.00						16 VALVE

MAZDA

U.S. APPLICATIONS

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ENGINE SIZE			MODEL NAME	YEAR	C Y L	ENGINE CODE NUMBER	F.I. CARB DIESEL	O.H.V. S.O.H.C. D.O.H.C.	RING REFERENCE NUMBER	NOA PISTON RING #
cc	L	ci								
2488	2.5L	152	TRIBUTE HYBRID	2008 - 2009	4	L5-VEH	F.I.	D.O.H.C.	-	NA
2489	2.5L	152	CX-7	2010 - 2012	4	L5-VE	F.I.	D.O.H.C.	L5Y3-11-SCO	NA
2489	2.5L	152	MAZDA 3	2010 - 2015	4	L5-VE	F.I.	D.O.H.C.	L5Y3-11-SCO	NA
2489	2.5L	152	MAZDA 5	2012 - 2015	4	L5-VE	F.I.	D.O.H.C.	L5Y3-11-SCO	NA
2489	2.5L	152	MAZDA 6	2009 - 2012	4	L5-VE	F.I.	D.O.H.C.	L5Y3-11-SCO	NA
2489	2.5L	152	TRIBUTE	2008 - 2011	4	L5-VE	F.I.	D.O.H.C.	L5Y3-11-SCO	NA
2494	2.5L	152	MPV	2000 - 2001	V6	GY-DE	F.I.	D.O.H.C.	GYTT-11-SCO	NA
2507	2.5L	153	626	1993 - 1997	V6	KL-DE	F.I.	D.O.H.C.	KLY2-11-SCO0A	SWT20073
2507	2.5L	153	626	1993 - 1997	V6	KL-DE	F.I.	D.O.H.C.	KLY2-11-SCO0A	SWT20073
2507	2.5L	153	MILLENNIA	1995 - 1996	V6	KL-DE	F.I.	D.O.H.C.	KLY2-11-SCO0A	SWT20073
2507	2.5L	153	MILLENNIA	1995 - 1996	V6	KL-DE	F.I.	D.O.H.C.	KLY2-11-SCO0A	SWT20073
2507	2.5L	153	MILLENNIA	1997 - 2002	V6	KL-DE	F.I.	D.O.H.C.	KLY2-11-SCO0A	SWT20073
2507	2.5L	153	MILLENNIA	1997 - 2002	V6	KL-DE	F.I.	D.O.H.C.	KLY2-11-SCO0A	SWT20073
2507	2.5L	153	MX6	1993 - 1997	V6	KL-DE	F.I.	D.O.H.C.	KLY2-11-SCO0A	SWT20073
2507	2.5L	153	MX6	1993 - 1997	V6	KL-DE	F.I.	D.O.H.C.	KLY2-11-SCO0A	SWT20073
2507	2.5L	153	626	1998 - 1999	V6	KL-G4	F.I.	D.O.H.C.	KLY2-11-SCO0A	SWT20073
2507	2.5L	153	626	2000 - 2002	V6	KL-G4	F.I.	D.O.H.C.	KLY2-11-SCO0A	SWT20073
2507	2.5L	153	B2500	1998 - 2001	4	C	F.I.	S.O.H.C.	ZZP0-23-130	SWT20076
2555	2.6L	156	B2600	1986 - 1987	4	AM1	CARB	S.O.H.C.	AM15-11-SCO	SWM31039
2555	2.6L	156	B2600	1988 ONLY	4	AM1	CARB	S.O.H.C.	AM15-11-SCO	SWM31039
2606	2.6L	159	B2600i	1989 - 1993	4	G6	F.I.	S.O.H.C.	G601-11-SCO0A	SWT20064
2606	2.6L	159	MPV	1989 - 1994	4	G6	F.I.	S.O.H.C.	G601-11-SCO0A	SWT20064
2954	3.0L	180	929	1988 - 1991	V6	JE	F.I.	S.O.H.C.	JEY1-11-SCO	SWT20062
2954	3.0L	180	MPV	1989 - 1993	V6	JE	F.I.	S.O.H.C.	JEY1-11-SCO	SWT20062
2954	3.0L	180	MPV	1994 - 1999	V6	JE	F.I.	S.O.H.C.	JEY1-11-SCO	SWT20062
2954	3.0L	180	MPV	1994 - 1999	V6	JE	F.I.	S.O.H.C.	JEY1-11-SCO	SWT20062
2954	3.0L	180	929	1992 - 1995	V6	JE48	F.I.	S.O.H.C.	JEY1-11-SCO	SWT20062
2954	3.0L	180	929	1992 - 1995	V6	JE48	F.I.	S.O.H.C.	JEY1-11-SCO	SWT20062
2967	3.0L	181	MAZDA 6	2003 - 2008	V6	AJ-DE	F.I.	D.O.H.C.	-	SWF30021*
2967	3.0L	181	MPV	2002 - 2006	V6	AJ-DE	F.I.	D.O.H.C.	-	SWF30021*
2967	3.0L	181	B3000	1998 - 2004	V6	VULCAN V6	F.I.	O.H.V.	ZZP1-23-130	SWT20086
2967	3.0L	181	B3000	2005 - 2008	V6	VULCAN V6	F.I.	O.H.V.	1F61-23-130	SWT20086
2967	3.0L	181	TRIBUTE	2001 - 2011	V6	AJ, V	F.I.	D.O.H.C.	ZZCA-11-100	SWI10155

PISTONS

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PISTON REFERENCE NUMBER	NOA PISTON #	HEAD PAGE #	DIA. mm	1 S T	2 N D	3 R D	O 1	O 2	REMARK
-	NA		89.00						16 VALVE
L5Y3-11-SA0	NA		89.00						16 VALVE
L5Y3-11-SA0	NA		89.00						16 VALVE
L5Y3-11-SA0	NA		89.00						16 VALVE
L5Y3-11-SA0	NA		89.00						16 VALVE
L5Y3-11-SA0	NA		89.00						16 VALVE
GY01-11-100C	DISC. 11-816		81.60	1.20	1.50		3.00		24 VALVE
KLZ1-11-SA0	11-716	312	84.50	1.50	1.50		3.00		RIGHT, 24 VALVE
KLY1-11-SL0B	11-716	312	84.50	1.50	1.50		3.00		LEFT, 24 VALVE
KLZ1-11-SA0	11-716	312	84.50	1.50	1.50		3.00		RIGHT, 24 VALVE
KLY1-11-SL0B	11-716	312	84.50	1.50	1.50		3.00		LEFT, 24 VALVE
KLZ1-11-SA0	11-716	312	84.50	1.50	1.50		3.00		RIGHT, 24 VALVE
KLZ1-11-SL0B	11-716	312	84.50	1.50	1.50		3.00		LEFT, 24 VALVE
KLZ1-11-SA0	11-716	312	84.50	1.50	1.50		3.00		RIGHT, 24 VALVE
KLY1-11-SL0B	11-716	312	84.50	1.50	1.50		3.00		LEFT, 24 VALVE
KLY5-11-SA0B	DISC. 11-766		84.50	1.50	1.50		3.00		24 VALVE
KLY8-11-SA0	NA		84.50	1.50	1.50		3.00		24 VALVE
ZZP3-23-200	NA		96.00	1.50	1.50		3.00		8 VALVE
AM01-11-SA0	11-035	277	91.10	1.50	1.50		4.00		MITSUBISHI G54B, 12 VALVE
AM15-11-SA0	11-035	277	91.10	1.50	1.50		4.00		MITSUBISHI G54B, 12 VALVE
G602-11-SA0	11-580	294	92.00	1.50	1.50		4.00		12 VALVE
G602-11-SA0	11-580	294	92.00	1.50	1.50		4.00		12 VALVE
JEY6-11-SA0B	11-575	294	90.00	1.50	1.50		4.00		18 VALVE
JEY6-11-SA0B	11-575	294	90.00	1.50	1.50		4.00		18 VALVE
JEY7-11-SAXA	11-704	310	90.00	1.50	1.50		4.00		RIGHT, 12 VALVE
JEY7-11-SLXA	11-704	310	90.00	1.50	1.50		4.00		LEFT, 12 VALVE
JEY8-11-SAXB	11-759	321	90.00	1.50	1.50		4.00		RIGHT, 24 VALVE
JEY8-11-SLXA	11-759	321	90.00	1.50	1.50		4.00		LEFT, 24 VALVE
ZZDL-11-210	11-868	341	89.00	1.20	1.50		2.50		FORD Duratec 30, 24 VALVE, incl Sport Wagon
AJTM-11-210	11-868	341	89.00	1.20	1.50		2.50		FORD Duratec 30, 24 VALVE
ZZMN-23-200	NA		89.00	1.50	1.50		3.00		FORD Engine, 12 VALVE
1F01-23-200	NA		89.00	1.50	1.50		3.00		FORD Engine, 12 VALVE
AJ03-11-100A	NA		89.00	1.50	1.50		4.00		FORD Vulcan V6, 24 VALVE

MAZDA

U.S. APPLICATIONS

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ENGINE SIZE			MODEL NAME	YEAR	CYL	ENGINE CODE NUMBER	F.I. CARB DIESEL	O.H.V. S.O.H.C. D.O.H.C.	RING REFERENCE NUMBER	NOA PISTON RING #
cc	L	ci								
MAZDA										
2983	3.0L	182	B3000	1994 - 1997	V6	VULCAN V6	F.I.	O.H.V.	ZZMD-23-130	SWT20075
3496	3.5L	213	CX-9	2007 ONLY	V6	MZI 3.5	F.I.	D.O.H.C.	-	TBA
3726	3.7L	227	CX-9	2008 - 2015	V6	MZI 3.7	F.I.	D.O.H.C.	-	NA
3726	3.7L	227	MAZDA 6	2009 - 2012	V6	MZI 3.7	F.I.	D.O.H.C.	-	NA
4016	4.0L	245	B4000	2004 - 2009	V6	COLONGE V6	F.I.	S.O.H.C.	1F62-23-130	SWF30012
4016	4.0L	245	NAVAJO	1989 - 1994	V6	COLONGE V6 XS	F.I.	S.O.H.C.	ZZM2-23-130	SWT20072
4016	4.0L	245	B4000	1994 - 1997	V6	COLONGE V6 XS	F.I.	S.O.H.C.	ZZM2-23-130	SWT20072
4016	4.0L	245	B4000	1998 - 2003	V6	COLONGE V6 XS	F.I.	S.O.H.C.	ZZM2-23-130	SWT20072
MAZDA - END										

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ENGINE SIZE			MODEL NAME	YEAR	CYL	ENGINE CODE NUMBER	F.I. CARB DIESEL	O.H.V. S.O.H.C. D.O.H.C.	RING REFERENCE NUMBER	NOA PISTON RING #
cc	L	ci								
MERCEDES-BENZ										
2987	3.0L	182	E320 BlueTEC	2007 - 2010	V6	OM642	DIESEL	D.O.H.C.	642 030 00 24	TBA
2987	3.0L	182	E320 BlueTEC	2007 - 2010	V6	OM642	DIESEL	D.O.H.C.	642 030 00 24	TBA
2987	3.0L	182	E350 BlueTEC	2011 - 2012	V6	OM642	DIESEL	D.O.H.C.	642 030 00 24	TBA
2987	3.0L	182	E350 BlueTEC	2011 - 2012	V6	OM642	DIESEL	D.O.H.C.	642 030 00 24	TBA
2987	3.0L	182	GL320	2007 - 2010	V6	OM642	DIESEL	D.O.H.C.	642 030 00 24	TBA
2987	3.0L	182	GL320	2007 - 2010	V6	OM642	DIESEL	D.O.H.C.	642 030 00 24	TBA
2987	3.0L	182	GL350 BlueTEC	2010 - 2012	V6	OM642	DIESEL	D.O.H.C.	642 030 00 24	TBA
2987	3.0L	182	GL350 BlueTEC	2010 - 2012	V6	OM642	DIESEL	D.O.H.C.	642 030 00 24	TBA
2987	3.0L	182	ML320	2007 - 2010	V6	OM642	DIESEL	D.O.H.C.	642 030 00 24	TBA
2987	3.0L	182	ML320	2007 - 2010	V6	OM642	DIESEL	D.O.H.C.	642 030 00 24	TBA
2987	3.0L	182	ML350 BlueTEC	2010 - 2012	V6	OM642	DIESEL	D.O.H.C.	642 030 00 24	TBA
2987	3.0L	182	ML350 BlueTEC	2010 - 2012	V6	OM642	DIESEL	D.O.H.C.	642 030 00 24	TBA
2987	3.0L	182	R320	2007 - 2010	V6	OM642	DIESEL	D.O.H.C.	642 030 00 24	TBA
2987	3.0L	182	R320	2007 - 2010	V6	OM642	DIESEL	D.O.H.C.	642 030 00 24	TBA
2987	3.0L	182	R350 BlueTEC	2010 - 2012	V6	OM642	DIESEL	D.O.H.C.	642 030 00 24	TBA
2987	3.0L	182	R350 BlueTEC	2010 - 2012	V6	OM642	DIESEL	D.O.H.C.	642 030 00 24	TBA
2987	3.0L	182	SPRINTER	2011 - 2012	V6	OM642	DIESEL	D.O.H.C.	642 030 00 24	TBA
2987	3.0L	182	SPRINTER	2011 - 2012	V6	OM642	DIESEL	D.O.H.C.	642 030 00 24	TBA
3498	3.5L	213	C350	2006 - 2012	V6	M272.960	F.I.	D.O.H.C.	276 030 02 24	TBA
3498	3.5L	213	CLK350	2006 - 2010	V6	M272.960	F.I.	D.O.H.C.	276 030 02 24	TBA
3498	3.5L	213	E350	2006 - 2012	V6	M272.960	F.I.	D.O.H.C.	276 030 02 24	TBA
3498	3.5L	213	GLK350	2010 - 2012	V6	M272.960	F.I.	D.O.H.C.	276 030 02 24	TBA
3498	3.5L	213	ML350	2008 - 2012	V6	M272.960	F.I.	D.O.H.C.	276 030 02 24	TBA
3498	3.5L	213	R350	2007 - 2012	V6	M272.960	F.I.	D.O.H.C.	276 030 02 24	TBA
3498	3.5L	213	SLK350	2005 - 2012	V6	M272.960	F.I.	D.O.H.C.	276 030 02 24	TBA
MERCEDES-BENZ - DONE										

PISTONS

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PISTON REFERENCE NUMBER	NOA PISTON #	HEAD PAGE #	DIA. mm	1	2	3	O	O	REMARK
				S T	N D	R D	1	2	
MERCEDES-BENZ									
645 030 25 17	X		83.00	2.00	2.00		2.00		LEFT, 24 VALVE
642 030 24 17	X		83.00	2.00	2.00		2.00		RIGHT, 24 VALVE
645 030 25 17	X		83.00	2.00	2.00		2.00		LEFT, 24 VALVE
642 030 24 17	X		83.00	2.00	2.00		2.00		RIGHT, 24 VALVE
645 030 25 17	X		83.00	2.00	2.00		2.00		LEFT, 24 VALVE
642 030 24 17	X		83.00	2.00	2.00		2.00		RIGHT, 24 VALVE
645 030 25 17	X		83.00	2.00	2.00		2.00		LEFT, w/ TURBO, 24 VALVE
642 030 24 17	X		83.00	2.00	2.00		2.00		RIGHT, w/ TURBO, 24 VALVE
645 030 25 17	X		83.00	2.00	2.00		2.00		LEFT, 24 VALVE
642 030 24 17	X		83.00	2.00	2.00		2.00		RIGHT, 24 VALVE
645 030 25 17	X		83.00	2.00	2.00		2.00		LEFT, w/ TURBO, 24 VALVE
642 030 24 17	X		83.00	2.00	2.00		2.00		RIGHT, w/ TURBO, 24 VALVE
645 030 25 17	X		83.00	2.00	2.00		2.00		LEFT, 24 VALVE
642 030 24 17	X		83.00	2.00	2.00		2.00		RIGHT, 24 VALVE
645 030 25 17	X		83.00	2.00	2.00		2.00		LEFT, w/ TURBO, 24 VALVE
642 030 24 17	X		83.00	2.00	2.00		2.00		RIGHT, w/ TURBO, 24 VALVE
645 030 25 17	X		83.00	2.00	2.00		2.00		LEFT, w/ TURBO, 24 VALVE
642 030 24 17	X		83.00	2.00	2.00		2.00		RIGHT, w/ TURBO, 24 VALVE
272 030 34 17	X		92.90	1.50	1.75		2.50		24 VALVE
272 030 34 17	X		92.90	1.50	1.75		2.50		24 VALVE
272 030 34 17	X		92.90	1.50	1.75		2.50		24 VALVE
272 030 34 17	X		92.90	1.50	1.75		2.50		24 VALVE
272 030 34 17	X		92.90	1.50	1.75		2.50		24 VALVE
272 030 34 17	X		92.90	1.50	1.75		2.50		24 VALVE
272 030 34 17	X		92.90	1.50	1.75		2.50		24 VALVE
MERCEDES-BENZ - DONE									

U.S. APPLICATIONS

PISTON RINGS

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ENGINE SIZE			MODEL NAME	YEAR	C Y L	ENGINE CODE NUMBER	F.I. CARB DIESEL	O.H.V. S.O.H.C. D.O.H.C.	RING REFERENCE NUMBER	NOA PISTON RING #
cc	L	ci								
MITSUBISHI										
1193	1.2L	73	MIRAGE	2014 - 2015	3	3A92	F.I.	D.O.H.C.	-	NA
1468	1.5L	90	MIRAGE	1984 - 1986	4	G15B	CARB	S.O.H.C.	MD156165	SWM31063
1468	1.5L	90	PRECIS	1987 - 1989	4	G15B	CARB	S.O.H.C.	23040-21210	SWM31063
1468	1.5L	90	MIRAGE	1987 - 1989	4	G15B	CARB	S.O.H.C.	MD156165	SWM31063
1468	1.5L	90	MIRAGE	1990 ONLY	4	4G15	F.I.	S.O.H.C.	MD156169	SWM31063
1468	1.5L	90	PRECIS	1990 - 1994	4	G4DJ	CARB	S.O.H.C.	23040-24200	SWM31063
1468	1.5L	90	MIRAGE	1991 - 1996	4	4G15	F.I.	S.O.H.C.	MD180804	SWM31076
1468	1.5L	90	MIRAGE	1995 - 1996	4	4G15	F.I.	S.O.H.C.	MD180804	SWM31076
1468	1.5L	90	MIRAGE	1997 - 1999	4	4G15	F.I.	S.O.H.C.	MD332715	SWM31145
1468	1.5L	90	MIRAGE	1997 - 2002	4	4G15	F.I.	S.O.H.C.	MD332715	SWM31145
1595	1.6L	97	MIRAGE	1989 ONLY	4	4G61	F.I.	D.O.H.C.	MD133495	SWM31049
1595	1.6L	97	MIRAGE	1991 - 1992	4	4G61	F.I.	D.O.H.C.	MD133495	SWM31049
1597	1.6L	97	MIRAGE	1984 - 1986	4	G32B	F.I.	S.O.H.C.	MD012765	SWM31043
1597	1.6L	97	MIRAGE	1987 - 1988	4	G32B	F.I.	S.O.H.C.	MD012765	SWM31043
1755	1.8L	107	ECLIPSE	1990 - 1994	4	4G37	F.I.	S.O.H.C.	MD040465	SWM31041
1795	1.8L	110	CORDIA	1983 ONLY	4	G62B	CARB	S.O.H.C.	MD040610	SWM31040
1795	1.8L	110	TREDIA	1983 ONLY	4	G62B	CARB	S.O.H.C.	MD040610	SWM31040
1795	1.8L	110	CORDIA	1984 - 1988	4	G62B	CARB	S.O.H.C.	MD040465	SWM31041
1795	1.8L	110	TREDIA	1984 - 1988	4	G62B	CARB	S.O.H.C.	MD040465	SWM31041
1834	1.8L	112	EXPO, EXPO LRV	1992 - 1994	4	4G93	F.I.	S.O.H.C.	MD173206	SWM31079
1834	1.8L	112	MIRAGE	1997 - 1999	4	4G93	F.I.	S.O.H.C.	MD173206	SWM31079
1834	1.8L	112	MIRAGE	1997 - 2002	4	4G93	F.I.	S.O.H.C.	MD173206	SWM31079
1834	1.8L	112	MIRAGE	1993 - 1996	4	4G93	F.I.	S.O.H.C.	MD173206	SWM31079
1997	2.0L	122	CORDIA	1984 - 1988	4	G63B	CARB	S.O.H.C.	MD040640	SWM31013
1997	2.0L	122	PICKUP	1983 - 1986	4	G63B	CARB	S.O.H.C.	MD040640	SWM31013
1997	2.0L	122	TREDIA	1984 - 1988	4	G63B	CARB	S.O.H.C.	MD040640	SWM31013
1997	2.0L	122	GALANT	1989 - 1992	4	G63B	F.I.	S.O.H.C.	MD100467	SWM31044
1997	2.0L	122	MIGHTY MAX	1988 - 1989	4	G63B	F.I.	S.O.H.C.	MD100467	SWM31044
1997	2.0L	122	PICKUP	1987 - 1989	4	G63B	F.I.	S.O.H.C.	MD100467	SWM31044

PISTONS

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PISTON REFERENCE NUMBER	NOA PISTON #	HEAD PAGE #	DIA. mm	1 S T	2 N D	3 R D	O 1	O 2	REMARK
-	NA		75.00						12 VALVE
MD074715	11-529	290	75.50	1.50	1.50		4.00		12 VALVE
23410-21114	11-529	290	75.50	1.50	1.50		4.00		12 VALVE
MD099770	11-530	290	75.50	1.50	1.50		4.00		8 VALVE
MD099770	11-530	290	75.50	1.50	1.50		4.00		8 VALVE
23410-24110	11-530	290	75.50	1.50	1.50		4.00		8 VALVE
MD320435	11-531	290	75.50	1.20	1.50		3.00		12 VALVE
MD314825	NA		75.50	1.20	1.50		3.00		w/ CALIF E.C.S., 12 VALVE
MD332841	DISC. 11-748		75.50	1.20	1.50		2.80		12 VALVE
MD347238	NA		75.50	1.20	1.50		2.80		w/ CALIF E.C.S., 12 VALVE
MD135272	NA		82.30	1.20	1.50		3.00		w/ TURBO, 16 VALVE
MD129932	DISC. 11-546		82.30	1.20	1.50		3.00		GS, 16 VALVE
MD074471	DISC. 11-024		77.00	1.50	1.50		4.00		w/ TURBO, 12 VALVE
MD100254	DISC. 11-532		77.00	1.50	1.50		4.00		w/ TURBO, 12 VALVE
MD100416	11-545	292	80.60	1.50	1.50		4.00		8 VALVE
MD040571	DISC. 11-033		80.60	2.00	2.00		4.00		12 VALVE
MD040571	DISC. 11-033		80.60	2.00	2.00		4.00		12 VALVE
MD074221	DISC. 11-034		80.60	1.50	1.50		4.00		w/ TURBO, 12 VALVE
MD074221	DISC. 11-034		80.60	1.50	1.50		4.00		w/ TURBO, 12 VALVE
MD183457	DISC. 11-548		81.00	1.20	1.20		2.80		16 VALVE
MD314278	DISC. 11-761		81.00	1.20	1.20		2.80		16 VALVE
MD347630	DISC. 11-761		81.00	1.20	1.20		2.80		w/ CALIF E.C.S., 16 VALVE
MD318097	11-767	322	81.00	1.20	1.20		2.80		16 VALVE
MD040591	11-027	276	85.00	2.00	2.00		4.00		12 VALVE
MD040591	11-027	276	85.00	2.00	2.00		4.00		12 VALVE
MD040591	11-027	276	85.00	2.00	2.00		4.00		12 VALVE
MD100372	11-539	291	85.00	1.50	1.50		4.00		12 VALVE
MD100372	11-539	291	85.00	1.50	1.50		4.00		12 VALVE
MD100372	11-539	291	85.00	1.50	1.50		4.00		12 VALVE

MITSUBISHI

U.S. APPLICATIONS

PISTON RINGS

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ENGINE SIZE			MODEL NAME	YEAR	CYL	ENGINE CODE NUMBER	F.I. CARB DIESEL	O.H.V. S.O.H.C. D.O.H.C.	RING REFERENCE NUMBER	NOA PISTON RING #
cc	L	ci								
MITSUBISHI										
1997	2.0L	122	ECLIPSE	1989 - 1992	4	4G63	F.I.	D.O.H.C.	MD144245	SWM31048
1997	2.0L	122	GALANT	1989 - 1991	4	4G63	F.I.	D.O.H.C.	MD144245	SWM31048
1997	2.0L	122	ECLIPSE	1989 - 1991	4	4G63	F.I.	D.O.H.C.	MD140923	SWM31048
1997	2.0L	122	GALANT	1992 ONLY	4	4G63	F.I.	D.O.H.C.	MD140923	SWM31048
1997	2.0L	122	ECLIPSE	1993 - 1994	4	4G63	F.I.	D.O.H.C.	MD195867	SWM31071
1997	2.0L	122	ECLIPSE	1993 - 1994	4	4G63	F.I.	D.O.H.C.	MD176437	SWM31071
1997	2.0L	122	ECLIPSE	1995 ONLY	4	420A	F.I.	D.O.H.C.	M04741401	SWM31120
1997	2.0L	122	ECLIPSE	1996 - 1999	4	420A	F.I.	D.O.H.C.	M04741401	SWM31120
1997	2.0L	122	ECLIPSE	1995 - 1998	4	4G63	F.I.	D.O.H.C.	MD313405	SWM31103
1997	2.0L	122	GALANT	1993 ONLY	4	4G63	F.I.	S.O.H.C.	MD195805	SWM31103
1997	2.0L	122	GALANT	1992 ONLY	4	4G63	F.I.	D.O.H.C.	MD144245	SWM31048
1997	2.0L	122	LANCER EVO.	2003 - 2007	4	4G63	F.I.	D.O.H.C.	MN155259	SWM31143
1998	2.0L	122	LANCER	2009 - 2015	4	4B11	F.I.	D.O.H.C.	1110A436	SWG30042
1998	2.0L	122	OUTLANDER SPORT	2010 - 2015	4	4B11	F.I.	D.O.H.C.	1110A436	SWG30042
1998	2.0L	122	LANCER EVO.	2008 - 2014	4	4B11T	F.I.	D.O.H.C.	1110A436*	SWG30042
1998	2.0L	122	LANCER RALLIART	2009 - 2015	4	4B11T	F.I.	D.O.H.C.	1110A436*	SWG30042
1999	2.0L	122	LANCER	2002 ONLY	4	4G94	F.I.	S.O.H.C.	MD371189	SWM31164
1999	2.0L	122	LANCER	2003 - 2006	4	4G94	F.I.	S.O.H.C.	MD371157	SWM31164
1999	2.0L	122	LANCER	2003 - 2006	4	4G94	F.I.	S.O.H.C.	MN155259	NA
2346	2.3L	143	PICKUP	1983 - 1985	4	4D55	DIESEL	S.O.H.C.	MD103391	SDM31038
2350	2.4L	143	MIGHTY MAX	1993 - 1996	4	4G64	F.I.	S.O.H.C.	MD195872	SWM31072
2350	2.4L	143	PICKUP	1993 - 1996	4	4G64	F.I.	S.O.H.C.	MD195872	SWM31072
2350	2.4L	143	EXPO, EXPO LRV	1992 ONLY	4	G64B	F.I.	S.O.H.C.	MD085346	SWM31037
2350	2.4L	143	GALANT	1987 - 1988	4	G64B	F.I.	S.O.H.C.	MD085346	SWM31037
2350	2.4L	143	MIGHTY MAX	1990 - 1992	4	G64B	F.I.	S.O.H.C.	MD085346	SWM31037
2350	2.4L	143	PICKUP	1990 - 1992	4	G64B	F.I.	S.O.H.C.	MD085346	SWM31037
2350	2.4L	143	VAN	1987 - 1991	4	G64B	F.I.	S.O.H.C.	MD085346	SWM31037
2350	2.4L	143	GALANT	1984 - 1986	4	G64B	F.I.	S.O.H.C.	MD085346	SWM31037
MITSUBISHI - CONTINUED										

PISTONS

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PISTON REFERENCE NUMBER	NOA PISTON #	HEAD PAGE #	DIA. mm	1 S T	2 N D	3 R D	O 1	O 2	REMARK
MITSUBISHI									
MD129922	11-540	291	85.00	1.20	1.50		3.00		16 VALVE
MD129922	11-540	291	85.00	1.20	1.50		3.00		16 VALVE
MD129232	11-546	292	85.00	1.20	1.50		3.00		w/ TURBO, 16 VALVE
MD129232	11-546	292	85.00	1.20	1.50		3.00		w/ TURBO, 16 VALVE
MD190262	11-718	312	85.00	1.20	1.50		3.00		16 VALVE
MD308200	11-719	312	85.00	1.20	1.50		3.00		w/ TURBO, 16 VALVE
M04741372	11-735	316	87.50	1.20	1.20		3.00		16 VALVE
M04797613	11-735	316	87.50	1.20	1.20		3.00		16 VALVE
MD307820	11-758	321	85.00	1.20	1.50		2.80		w/ TURBO, 16 VALVE
MD188097	DISC. 11-710		85.00	1.20	1.50		2.80		16 VALVE
MD129242	NA		85.00	1.20	1.50		3.00		16 VALVE
1110A223	NA		85.00	1.20	1.20		2.00		16 VALVE
-	11-909	351	86.00	1.20	1.20		2.00		DE, ES, 16 VALVE
-	11-909	351	86.00	1.20	1.20		2.00		16 VALVE
-	NA		86.00	1.20	1.20		2.00		w/ TURBO, 16 VALVE
-	NA		86.00	1.20	1.20		2.00		w/ TURBO, 16 VALVE
MD375975	NA*		81.50	1.20	1.20		2.50		16 VALVE
MN187171	NA*		81.50	1.20	1.20		2.50		16 VALVE
MN183229	NA		81.50						w/TURBO, 16 VALVE
MD103308	11-028	277	91.10	2.50	2.00		4.00		
MD188998	11-536	290	86.50	1.20	1.50		3.00		12 VALVE
MD188998	11-536	290	86.50	1.20	1.50		3.00		12 VALVE
MD105377	11-538	291	86.50	1.50	1.50		4.00		12 VALVE
MD105377	11-538	291	86.50	1.50	1.50		4.00		12 VALVE
MD105377	11-538	291	86.50	1.50	1.50		4.00		12 VALVE
MD105377	11-538	291	86.50	1.50	1.50		4.00		12 VALVE
MD105377	11-538	291	86.50	1.50	1.50		4.00		12 VALVE
MD068759	DISC. 11-537		86.50	1.50	1.50		4.00		12 VALVE
MITSUBISHI - CONTINUED									

U.S. APPLICATIONS

PISTON RINGS

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ENGINE SIZE			MODEL NAME	YEAR	CYL	ENGINE CODE NUMBER	F.I. CARB DIESEL	O.H.V. S.O.H.C. D.O.H.C.	RING REFERENCE NUMBER	NOA PISTON RING #
cc	L	ci								
2350	2.4L	143	EXPO, EXPO LRV	1993 - 1995	4	4G64	F.I.	S.O.H.C.	MD195828	SWM31116
2350	2.4L	143	GALANT	1994 ONLY	4	4G64	F.I.	S.O.H.C.	MD195828	SWM31116
2350	2.4L	143	ECLIPSE	1997 - 1999	4	4G64	F.I.	S.O.H.C.	MD195828	SWM31116
2350	2.4L	143	GALANT	1995 - 1998	4	4G64	F.I.	S.O.H.C.	MD195828	SWM31116
2350	2.4L	143	MONTERO SPORT	1997 - 1999	4	4G64	F.I.	S.O.H.C.	MD195828	SWM31116
2350	2.4L	143	ECLIPSE	1997 - 1999	4	4G64	F.I.	S.O.H.C.	MD195828	SWM31116
2350	2.4L	143	GALANT	1999 - 2004	4	4G64	F.I.	S.O.H.C.	MD195828	SWM31116
2350	2.4L	143	OUTLANDER	2003 - 2005	4	4G64	F.I.	S.O.H.C.	MD195828	SWM31116
2350	2.4L	143	ECLIPSE	2000 - 2005	4	4G64	F.I.	S.O.H.C.	MD195828	SWM31116
2350	2.4L	143	ECLIPSE SPYDER	2001 - 2005	4	4G64	F.I.	S.O.H.C.	MD195828	SWM31116
2350	2.4L	143	GALANT	1999 ONLY	4	4G64	F.I.	S.O.H.C.	MD195828	SWM31116
2359	2.4L	144	LANCER	2009 - 2015	4	4B12	F.I.	D.O.H.C.	1110A822	SWG30041
2359	2.4L	144	OUTLANDER	2008 - 2015	4	4B12	F.I.	D.O.H.C.	1110A822	SWG30041
2359	2.4L	144	OUTLANDER SPORT	2008 - 2009	4	4B12	F.I.	D.O.H.C.	1110A822	SWG30041
2378	2.4L	145	ECLIPSE	2006 - 2011	4	4G69	F.I.	S.O.H.C.	1110A966	SWM31161
2378	2.4L	145	ECLIPSE SPYDER	2006 - 2011	4	4G69	F.I.	S.O.H.C.	1110A966	SWM31161
2378	2.4L	145	GALANT	2005 - 2012	4	4G69	F.I.	S.O.H.C.	1110A966	SWM31161
2378	2.4L	145	LANCER	2003 - 2006	4	4G69	F.I.	S.O.H.C.	1110A966	SWM31161
2378	2.4L	145	OUTLANDER	2004 - 2006	4	4G69	F.I.	S.O.H.C.	1110A966	SWM31161
2378	2.4L	145	OUTLANDER SPORT	2004 - 2006	4	4G69	F.I.	S.O.H.C.	1110A966	SWM31161
2555	2.6L	156	MONTERO	1983 ONLY	4	G54B	CARB	S.O.H.C.	MD026835	SWM31047
2555	2.6L	156	PICKUP	1983 - 1985	4	G54B	CARB	S.O.H.C.	MD026835	SWM31047
2555	2.6L	156	MIGHTY MAX	1988 - 1989	4	G54B	C & F	S.O.H.C.	MD061258	SWM31039
2555	2.6L	156	MONTERO	1984 - 1989	4	G54B	C & F	S.O.H.C.	MD061258	SWM31039
2555	2.6L	156	PICKUP	1986 - 1989	4	G54B	CARB	S.O.H.C.	MD061258	SWM31039
2972	3.0L	181	3000GT	1990 - 1997	V6	6G72	F.I.	D.O.H.C.	MD158334	SWM31078
2972	3.0L	181	3000GT	1995 - 1999	V6	6G72	F.I.	D.O.H.C.	MD334192	SWM31078
2972	3.0L	181	DIAMANTE	1991 - 1996	V6	6G72	F.I.	S.O.H.C.	MD158334	SWM31078
2555	2.6L	156	STARION	1983 - 1989	4	G54B	F.I.	S.O.H.C.	MD061258	SWM31039
2972	3.0L	181	DIAMANTE	1991 - 1996	V6	6G72	F.I.	S.O.H.C.	MD329755	SWM31078
2972	3.0L	181	3000GT	1990 - 1999	V6	6G72	F.I.	D.O.H.C.	MD158334	SWM31078
MITSUBISHI - CONTINUED										

PISTONS

RED = NEW INFORMATION

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PISTON REFERENCE NUMBER	NOA PISTON #	HEAD PAGE #	DIA. mm	1 S T	2 N D	3 R D	O 1	O 2	REMARK
MITSUBISHI									
MD188115	11-709	311	86.50	1.20	1.50		2.80		16 VALVE
MD188115	11-709	311	86.50	1.20	1.50		2.80		16 VALVE
MD303071	11-709	311	86.50	1.20	1.50		2.80		GS, 16 VALVE
MD303071	11-709	311	86.50	1.20	1.50		2.80		16 VALVE
MD341734	DISC. 11-763		86.50	1.20	1.50		2.80		16 VALVE
MD347952	NA		86.50	1.20	1.50		2.80		GS, w/ CALIF. E.C.S., 16 VALVE
MD351183	NA		86.50	1.20	1.50		2.80		16 VALVE
MD357066	11-804	328	86.50	1.20	1.50		2.80		16 VALVE
MD357067	11-804	328	86.50	1.20	1.50		2.80		GS, 16 VALVE
MD357067	11-804	328	86.50	1.20	1.50		2.80		RS, GS, 16 VALVE
MD357067	11-804	328	86.50	1.20	1.50		2.80		w/ CALIF. E.C.S., 16 VALVE
-	11-908	351	88.00	1.20	1.20		2.00		GTS, 16 VALVE
-	11-908	351	88.00	1.20	1.20		2.00		16 VALVE, Incl. Sportback
-	11-908	351	88.00	1.20	1.20		2.00		16 VALVE
-	NA		87.00	1.20	1.20		2.00		GS, 16 VALVE
-	NA		87.00	1.20	1.20		2.00		GS, 16 VALVE
-	NA		87.00	1.20	1.20		2.00		16 VALVE
-	NA		87.00	1.20	1.20		2.00		16 VALVE
-	NA		87.00	1.20	1.20		2.00		16 VALVE, Incl. Sportback
-	NA		87.00	1.20	1.20		2.00		16 VALVE
MD026921	11-031	277	91.10	2.00	2.00		4.00		12 VALVE
MD026921	11-031	277	91.10	2.00	2.00		4.00		12 VALVE
MD071172	11-035	277	91.10	1.50	1.50		4.00		12 VALVE
MD071172	11-035	277	91.10	1.50	1.50		4.00		12 VALVE
MD071172	11-035	277	91.10	1.50	1.50		4.00		12 VALVE
MD307958	11-543	291	91.10	1.20	1.50		3.00		24 VALVE
MD307958	11-543	291	91.10	1.20	1.50		3.00		24 VALVE
MD307958	11-543	291	91.10	1.20	1.50		3.00		24 VALVE
MD128450	DISC. 11-544		91.10	1.50	1.50		4.00		w/ TURBO, 12 VALVE
MD307944	DISC. 11-542		91.10	1.20	1.50		3.00		12 VALVE
MD307972	11-547	292	91.10	1.20	1.50		3.00		w/ TURBO, 24 VALVE
MITSUBISHI - CONTINUED									

U.S. APPLICATIONS

PISTON RINGS

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ENGINE SIZE			MODEL NAME	YEAR	C Y L	ENGINE CODE NUMBER	F.I. CARB DIESEL	O.H.V. S.O.H.C. D.O.H.C.	RING REFERENCE NUMBER	NOA PISTON RING #
cc	L	ci								
MITSUBISHI										
2972	3.0L	181	GALANT SIGMA	1987 - 1992	V6	6G72	F.I.	S.O.H.C.	MD104939	SWM31080
2972	3.0L	181	GALANT SIGMA	1987 - 1992	V6	6G72	F.I.	S.O.H.C.	MD104939	SWM31080
2972	3.0L	181	MIGHTY MAX	1990 - 1993	V6	6G72	F.I.	S.O.H.C.	MD104939	SWM31080
2972	3.0L	181	MIGHTY MAX	1990 - 1993	V6	6G72	F.I.	S.O.H.C.	MD104939	SWM31080
2972	3.0L	181	MONTERO	1989 - 1993	V6	6G72	F.I.	S.O.H.C.	MD104939	SWM31080
2972	3.0L	181	MONTERO	1989 - 1993	V6	6G72	F.I.	S.O.H.C.	MD104939	SWM31080
2972	3.0L	181	PICKUP	1990 - 1993	V6	6G72	F.I.	S.O.H.C.	MD104939	SWM31080
2972	3.0L	181	PICKUP	1990 - 1993	V6	6G72	F.I.	S.O.H.C.	MD104939	SWM31080
2972	3.0L	181	SIGMA	1989 - 1990	V6	6G72	F.I.	S.O.H.C.	MD104939	SWM31080
2972	3.0L	181	SIGMA	1989 - 1990	V6	6G72	F.I.	S.O.H.C.	MD104939	SWM31080
2972	3.0L	181	3000GT	1997 - 1999	V6	6G72	F.I.	S.O.H.C.	MD329755	SWM31078
2972	3.0L	181	3000GT	1997 - 1999	V6	6G72	F.I.	S.O.H.C.	MD329755	SWM31078
2972	3.0L	181	MONTERO	1994 ONLY	V6	6G72	F.I.	S.O.H.C.	MD329755	SWM31078
2972	3.0L	181	MONTERO	1994 ONLY	V6	6G72	F.I.	S.O.H.C.	MD329755	SWM31078
2972	3.0L	181	PICKUP	1994 ONLY	V6	6G72	F.I.	S.O.H.C.	MD301716	SWM31078
2972	3.0L	181	PICKUP	1994 ONLY	V6	6G72	F.I.	S.O.H.C.	MD301716	SWM31078
2972	3.0L	181	MONTERO	1995 - 1996	V6	4G72	F.I.	S.O.H.C.	MD329755	SWM31078
2972	3.0L	181	MONTERO SPORT	1997 - 1998	V6	4G72	F.I.	S.O.H.C.	MD329755	SWM31078
2972	3.0L	181	GALANT	1999 ONLY	V6	6G72	F.I.	S.O.H.C.	MD329755	SWM31078
2972	3.0L	181	MONTERO SPORT	1999 - 2000	V6	6G72	F.I.	S.O.H.C.	MD329755	SWM31078
2972	3.0L	181	MONTERO SPORT	1999 - 2000	V6	6G72	F.I.	S.O.H.C.	MD329755	SWM31078
2972	3.0L	181	ECLIPSE	2000 - 2005	V6	6G72	F.I.	S.O.H.C.	MD329755	SWM31078
2972	3.0L	181	ECLIPSE SPYDER	2001 - 2005	V6	6G72	F.I.	S.O.H.C.	MD329755	SWM31078
2972	3.0L	181	GALANT	2000 - 2003	V6	6G72	F.I.	S.O.H.C.	MD329755	SWM31078
2972	3.0L	181	MONTERO SPORT	2001 - 2003	V6	6G72	F.I.	S.O.H.C.	MD329755	SWM31078
2998	3.0L	183	OUTLANDER	2007 - 2015	V6	6B31	F.I.	S.O.H.C.	1110B435*	NA
3496	3.5L	213	MONTERO	1993 - 1996	V6	6G74	F.I.	D.O.H.C.	MD300569	SWM31121
3496	3.5L	213	MONTERO	1997 - 2000	V6	6G74	F.I.	S.O.H.C.	MD322783	SWM31121
3496	3.5L	213	MONTERO SPORT	1999 - 2000	V6	6G74	F.I.	S.O.H.C.	MD322783	SWM31121
3496	3.5L	213	MONTERO SPORT	2003 - 2004	V6	6G74	F.I.	S.O.H.C.	MD322783	SWM31121
3496	3.5L	213	DIAMANTE	2001 - 2004	V6	6G74	F.I.	S.O.H.C.	MD322783	SWM31121
3496	3.5L	213	MONTERO	2001 - 2002	V6	6G74	F.I.	S.O.H.C.	MD322783	SWM31121
3496	3.5L	213	MONTERO SPORT	2001 - 2002	V6	6G74	F.I.	S.O.H.C.	MD322783	SWM31121
3496	3.5L	213	DIAMANTE	1997 - 2000	V6	6G74	F.I.	S.O.H.C.	MD322783	SWM31121
3496	3.5L	213	MONTERO	1997 - 2000	V6	6G74	F.I.	S.O.H.C.	MD322783	SWM31121
3496	3.5L	213	MONTERO SPORT	1999 - 2000	V6	6G74	F.I.	S.O.H.C.	MD322783	SWM31121
MITSUBISHI - CONTINUED										

PISTONS

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PISTON REFERENCE NUMBER	NOA PISTON #	HEAD PAGE #	DIA. mm	1 S T	2 N D	3 R D	O 1	O 2	REMARK
MITSUBISHI									
MD119671	11-549	292	91.10	1.50	1.50		4.00		RIGHT, 12 VALVE
MD152563	11-549	292	91.10	1.50	1.50		4.00		LEFT, 12 VALVE
MD119671	11-549	292	91.10	1.50	1.50		4.00		RIGHT, 12 VALVE
MD152563	11-549	292	91.10	1.50	1.50		4.00		LEFT, 12 VALVE
MD119671	11-549	292	91.10	1.50	1.50		4.00		RIGHT, 12 VALVE
MD152563	11-549	292	91.10	1.50	1.50		4.00		LEFT, 12 VALVE
MD119671	11-549	292	91.10	1.50	1.50		4.00		RIGHT, 12 VALVE
MD152563	11-549	292	91.10	1.50	1.50		4.00		LEFT, 12 VALVE
MD119671	11-549	292	91.10	1.50	1.50		4.00		RIGHT, 12 VALVE
MD152563	11-549	292	91.10	1.50	1.50		4.00		LEFT, 12 VALVE
MD197808	11-707	310	91.10	1.20	1.50		3.00		RIGHT, 12 VALVE
MD197814	11-707	310	91.10	1.20	1.50		3.00		LEFT, 12 VALVE
MD197808	11-707	310	91.10	1.20	1.50		3.00		RIGHT, 12 VALVE
MD197814	11-707	310	91.10	1.20	1.50		3.00		LEFT, 12 VALVE
MD197808	11-707	310	91.10	1.20	1.50		3.00		RIGHT, 12 VALVE
MD197814	11-707	310	91.10	1.20	1.50		3.00		LEFT, 12 VALVE
MD318501	11-762	321	91.10	1.20	1.50		3.00		24 VALVE
MD318501	11-762	321	91.10	1.20	1.50		3.00		24 VALVE
MD350443	NA		91.10	1.20	1.50		3.00		24 VALVE
MD350443	NA		91.10	1.20	1.50		3.00		24 VALVE
MD360082	NA		91.10	1.20	1.50		3.00		w/ CALIF E.C.S., 24 VALVE
MD367089	11-817	331	91.10	1.20	1.50		3.00		GT, 24 VALVE
MD367089	11-817	331	91.10	1.20	1.50		3.00		GT, 24 VALVE
MD367089	11-817	331	91.10	1.20	1.50		3.00		24 VALVE
MD367089	11-817	331	91.10	1.20	1.50		3.00		24 VALVE
-	NA		87.60	1.20	1.00		2.00		24 VALVE
MD308276	11-749	319	93.00	1.50	1.50		3.00		24 VALVE
MD334469	11-774	323	93.00	1.50	1.50		3.00		24 VALVE
MD334469	11-774	323	93.00	1.50	1.50		3.00		24 VALVE
MN140937	11-847	336	93.00	1.50	1.50		3.00		24 VALVE
MN149038	11-847	336	93.00	1.50	1.50		3.00		24 VALVE
MN149038	11-847	336	93.00	1.50	1.50		3.00		24 VALVE
MN149038	11-847	336	93.00	1.50	1.50		3.00		24 VALVE
MD332016	DISC. 11-760		93.00	1.50	1.50		3.00		24 VALVE
MD332016	DISC. 11-760		93.00	1.50	1.50		3.00		w/ CALIF E.C.S., 24 VALVE
MD332016	DISC. 11-760		93.00	1.50	1.50		3.00		w/ CALIF E.C.S., 24 VALVE
MITSUBISHI - CONTINUED									

U.S. APPLICATIONS

PISTON RINGS
RED = NEW INFORMATION

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ENGINE SIZE			MODEL NAME	YEAR	CYL	ENGINE CODE NUMBER	F.I. CARB DIESEL	O.H.V. S.O.H.C. D.O.H.C.	RING REFERENCE NUMBER	NOA PISTON RING #
cc	L	ci								
MITSUBISHI										
3701	3.7L	226	RAIDER	2006 - 2010	V6	Power Tech 3.7	F.I.	S.O.H.C.	5012364AC	SWC10002
3828	3.8L	234	ENDEVOR	2004 - 2011	V6	6G75	F.I.	S.O.H.C.	MN183867	SWM31148
3828	3.8L	234	ECLIPSE	2006 - 2011	V6	6G75	F.I.	S.O.H.C.	MN183867	SWM31148
3828	3.8L	234	ECLIPSE SPYDER	2006 - 2011	V6	6G75	F.I.	S.O.H.C.	MN183867	SWM31148
3828	3.8L	234	GALANT	2004 - 2009	V6	6G75	F.I.	S.O.H.C.	MN183867	SWM31148
3828	3.8L	234	MONTERO	2003 - 2008	V6	6G75	F.I.	S.O.H.C.	MN183867	SWM31148
4701	4.7L	287	RAIDER	2006 - 2007	V8	Power Tech 4.7	F.I.	S.O.H.C.	5012364AC	SWC10021
4701	4.7L	287	RAIDER	2008 - 2009	V8	Power Tech 4.7	F.I.	S.O.H.C.	-	SWG10011
MITSUBISHI - END										

U.S. APPLICATIONS

PISTON RINGS

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ENGINE SIZE			MODEL NAME	YEAR	C Y L	ENGINE CODE NUMBER	F.I. CARB DIESEL	O.H.V. S.O.H.C. D.O.H.C.	RING REFERENCE NUMBER	NOA PISTON RING #
cc	L	ci								
NISSAN										
1237	1.2L	75	1200	1972 - 1973	4	A12	CARB		12033-H6200	SWN30026
1237	1.2L	75	210	1980 - 1981	4	A12A	CARB		12033-H8500	SWN30073
1237	1.2L	75	210	1982 ONLY	4	A12A	CARB		12033-H8500	SWN30073
1288	1.3L	79	B210	1974 ONLY	4	A13	CARB		12033-H6200	SWN30026
1397	1.4L	85	210	1979 ONLY	4	A14	CARB		12033-H8920	SWN30045
1397	1.4L	85	210	1979 - 1982	4	A14	CARB		12033-H8920	SWN30045
1397	1.4L	85	310	1979 - 1980	4	A14	CARB		12033-H8920	SWN30045
1397	1.4L	85	210	1979 ONLY	4	A14	CARB		12033-H8920	SWN30045
1397	1.4L	85	310	1979 ONLY	4	A14	CARB		12033-H8920	SWN30045
1397	1.4L	85	B210	1975 - 1978	4	A14	CARB		12033-H7200	SWN30045
1397	1.4L	85	B210	1977 - 1978	4	A14	CARB		12033-H7680	SWN30052
1488	1.5L	91	210	1979 - 1980	4	A15	CARB		12033-H9820	SWN30052
1488	1.5L	91	210	1981 - 1982	4	A15	CARB		12033-H9820	SWN30052
1488	1.5L	91	310	1981 ONLY	4	A15	CARB		12033-H9820	SWN30052
1488	1.5L	91	310	1982 ONLY	4	E15	CARB	S.O.H.C.	12033-50A00	SWN30057
1488	1.5L	91	SENTRA	1982 - 1983	4	E15S	CARB	S.O.H.C.	12033-50A00	SWN30057
1487	1.5L	91	PULSAR	1983 ONLY	4	E15T	F.I.	S.O.H.C.	12033-50A00	SWN30057
1595	1.6L	97	521	1972 - 1973	4	L16	CARB		12033-A3501	SWN30014
1595	1.6L	97.3	620	1972 ONLY	4	L16	CARB		12033-A3501	SWN30014
1595	1.6L	97.3	620	1973 ONLY	4	L16	CARB		12033-A3501	SWN30014
1595	1.6L	97	SRL 311	1966 - 1970	4	R16	CARB	O.H.V.	12033-14601	SWN30069
1595	1.6L	97	411	1965 - 1968	4	R16	CARB		12033-14601	SWN30069
1597	1.6L	97	PULSAR	1983 - 1984	4	E16	CARB	S.O.H.C.	12033-50A00	SWN30057
1597	1.6L	97	PULSAR	1985 - 1986	4	E16, E16i	CARB	S.O.H.C.	12033-61A01	SWN30057
1597	1.6L	97	SENTRA	1983 - 1986	4	E16	CARB	S.O.H.C.	12033-50A00	SWN30057
1597	1.6L	97	SENTRA	1987 - 1988	4	E16i, E16S	F.I.	S.O.H.C.	12033-50A00	SWN30057
1597	1.6L	97	PULSAR	1989 - 1990	4	GA16i	F.I.	S.O.H.C.	12033-84A11	SWN30097
1597	1.6L	97	SENTRA	1989 - 1990	4	GA16i	F.I.	S.O.H.C.	12033-84A11	SWN30097
1597	1.6L	97	NX	1991 - 1994	4	GA16DE	F.I.	S.O.H.C.	12033-57Y01	SWN30104
1597	1.6L	97	SENTRA	1991 - 1994	4	GA16DE	F.I.	S.O.H.C.	12033-57Y01	SWN30104
NISSAN - CONTINUED										

PISTONS

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PISTON REFERENCE NUMBER	NOA PISTON #	HEAD PAGE #	DIA. mm	1 S T	2 N D	3 R D	O 1	O 2	REMARK
NISSAN									
12010-H1061	DISC. 11-036		73.00	2.00	2.00		4.00		
12010-H9022	DISC. 11-037		75.00	2.00	2.00		4.00		
12010-H9512	DISC. 11-040		75.00	2.00	2.00		4.00		
12010-H6211	DISC. 11-041		73.00	2.00	2.00		4.00		
12010-H7684	DISC. 11-044		76.00	2.00	2.00		4.00		w/o CALIF E.C.S. w/ FUEL Pkg
12010-H7685	DISC. 11-044		76.00	2.00	2.00		4.00		w/ CALIF E.C.S.
12010-H7685	DISC. 11-044		76.00	2.00	2.00		4.00		w/ CALIF E.C.S.
12010-H7711	DISC. 11-044		76.00	2.00	2.00		4.00		w/ CALIF E.C.S., w/o FUEL Pkg
12010-H7711	DISC. 11-044		76.00	2.00	2.00		4.00		w/o CALIF E.C.S.
12010-H7711	DISC. 11-044		76.00	2.00	2.00		4.00		
12010-H8702	DISC. 11-047		76.00	1.20	2.00		4.00		w/o FUEL Pkg
12010-H9704	DISC. 11-048		76.00	1.20	2.00		4.00		w/ CALIF E.C.S.
12010-H9802	11-049	277	76.00	1.20	2.00		4.00		
12010-H9802	11-049	277	76.00	1.20	2.00		4.00		
12010-11M22	11-050	278	76.00	1.50	1.50		4.00		8 VALVE
12010-11M22	11-050	278	76.00	1.50	1.50		4.00		8 VALVE
12010-17M12	DISC. 11-051		76.00	1.50	1.50		4.00		w/ TURBO, 8 VALVE
12010-23002	DISC. 11-053		83.00	2.00	2.00		4.00		
12010-23002	DISC. 11-053		83.00	2.00	2.00		4.00		
12010-H2501	DISC. 11-054		83.00	2.00	2.00		4.00		8 VALVE
-	DISC. 11-055		87.20	2.00	2.50		4.00		1600 ROADSTER
-	NA		87.20	2.00	2.50		4.00		
12010-33M22	11-052	278	76.00	1.50	1.50		4.00		8 VALVE
12010-33M22	11-052	278	76.00	1.50	1.50		4.00		8 VALVE
12010-33M22	11-052	278	76.00	1.50	1.50		4.00		8 VALVE
12010-33M22	11-052	278	76.00	1.50	1.50		4.00		8 VALVE
12010-84A61	11-590	296	76.00	1.50	1.50		2.80		12 VALVE
12010-84A61	11-590	296	76.00	1.50	1.50		2.80		12 VALVE
A2010-57Y00	11-601	296	76.00	1.50	1.50		2.80		16 VALVE
A2010-57Y00	11-601	296	76.00	1.50	1.50		2.80		16 VALVE
NISSAN - CONTINUED									

U.S. APPLICATIONS

PISTON RINGS

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RED = NEW INFORMATION

ENGINE SIZE			MODEL NAME	YEAR	C Y L	ENGINE CODE NUMBER	F.I. CARB DIESEL	O.H.V. S.O.H.C. D.O.H.C.	RING REFERENCE NUMBER	NOA PISTON RING #
cc	L	ci								
NISSAN										
1597	1.6L	97	200SX	1995 - 1999	4	GA16DE	F.I.	S.O.H.C.	12033-1M200	SWN30116
1597	1.6L	97	SENTRA	1995 - 1999	4	GA16DE	F.I.	S.O.H.C.	12033-1M200	SWN30116
1598	1.6L	98	PULSAR	1987 ONLY	4	CA16DE	F.I.	D.O.H.C.	12033-55M00	SWN30111
1598	1.6L	98	NV200	2011 - 2015	4	HR16DE	F.I.	D.O.H.C.	12033-EE000	SWN30196
1598	1.6L	98	VERSA	2009 - 2012	4	HR16DE	F.I.	D.O.H.C.	12033-EE000	SWN30196
1598	1.6L	98	VERSA	2013 - 2015	4	HR16DE	F.I.	D.O.H.C.	12033-3HC2A	NA
1618	1.6L	99	JUKE	2010 - 2015	4	MR16DDT	F.I.	D.O.H.C.	12033-1KC0A	SWN30186
1680	1.7L	103	SENTRA	1983 - 1986	4	CD17	DIESEL		12033-16A10	SDN30088
1769	1.8L	108	SENTRA	2000 - 2002	4	QG18DE	F.I.	D.O.H.C.	12033-5M001	SWN30142
1769	1.8L	108	SENTRA	2003 - 2006	4	QG18DE	F.I.	D.O.H.C.	12033-5M060	SWN30142
1770	1.8L	108	610	1973 ONLY	4	L18	CARB	S.O.H.C.	12033-A8702	SWN30020
1770	1.8L	108	620	1974 ONLY	4	L18	CARB	S.O.H.C.	12033-A8702	SWN30020
1770	1.8L	108	710	1974 ONLY	4	L18	CARB	S.O.H.C.	12033-A8702	SWN30020
1797	1.8L	110	VERSA	2007 - 2010	4	MR18DE	F.I.	D.O.H.C.	12033-EN200	SWN30154
1797	1.8L	110	CUBE	2009 - 2012	4	MR18DE	F.I.	D.O.H.C.	12033-EN20A	SWN30154
1797	1.8L	110	VERSA	2011 - 2012	4	MR18DE	F.I.	D.O.H.C.	12033-EN20A	SWN30154
1797	1.8L	110	CUBE	2013 - 2015	4	MR18DE	F.I.	D.O.H.C.	12033-EN20C	NA
1798	1.8L	110	SENTRA	2013 - 2015	4	MRA8DE	F.I.	D.O.H.C.	12033-3RC0B	NA
1809	1.8L	110	200SX	1984 - 1986	4	CA18ET	F.I.	S.O.H.C.	12033-18F00	SWN30090
1809	1.8L	110	PULSAR	1988 - 1989	4	CA18DE	F.I.	D.O.H.C.	12033-D4210	SWN30090
1952	2.0L	119	200SX	1977 - 1979	4	L20B	CARB	S.O.H.C.	12033-U6001	SWN30048
1952	2.0L	119	510	1978 - 1979	4	L20B	CARB	S.O.H.C.	12033-U6001	SWN30048
1952	2.0L	119	610	1974 - 1976	4	L20B	CARB	S.O.H.C.	12033-U6001	SWN30048
1952	2.0L	119	620	1975 - 1979	4	L20B	CARB	S.O.H.C.	12033-U6001	SWN30048
1952	2.0L	119	710	1975 - 1977	4	L20B	CARB	S.O.H.C.	12033-U6001	SWN30048
1952	2.0L	119	PICKUP	1979 ONLY	4	L20B	CARB	S.O.H.C.	12033-W0815	SWN30048
1952	2.0L	119	720	1980 ONLY	4	L20B	CARB	S.O.H.C.	12033-W0815	SWN30048
1952	2.0L	119	PICKUP	1980 ONLY	4	L20B	CARB	S.O.H.C.	12033-W0815	SWN30048
1952	2.0L	119	200SX	1980 - 1981	4	Z20E	F.I.	S.O.H.C.	12033-N8510	SWN30086
1952	2.0L	119	510	1980 - 1981	4	Z20S	CARB	S.O.H.C.	12033-N8510	SWN30086
NISSAN - CONTINUED										

PISTONS

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PISTON REFERENCE NUMBER	NOA PISTON #	HEAD PAGE #	DIA. mm	1 S T	2 N D	3 R D	O 1	O 2	REMARK
A2010-0M210	11-680	307	76.00	1.50	-		2.80		16 VALVE
A2010-0M210	11-680	307	76.00	1.50	-		2.80		16 VALVE
12010-55M61	NA		78.00	1.50	1.50		2.80		SE, 16 VALVE
A2010-ED500	11-893	347	78.00	1.20	1.20		2.00		16 VALVE
A2010-ED500	11-893	347	78.00	1.20	1.20		2.00		16 VALVE
12010-3HC0A	NA		78.00						16 VALVE
A2010-1KC0A	NA		79.70	1.20	1.00		2.00		w/ TURBO, 16 VALVE
12010-17A02	DISC. 11-056		80.00	1.75	2.00		3.00		
A2010-5M010	11-869	342	80.00	1.20	1.20		2.50		16 VALVE
A2010-F4670	11-876	343	80.00	1.20	1.20		2.50		16 VALVE
12010-U2001	DISC. 11-057		85.00	2.00	2.00		4.00		
12010-U2001	DISC. 11-057		85.00	2.00	2.00		4.00		
12010-U2001	DISC. 11-057		85.00	2.00	2.00		4.00		
A2010-ED800	11-849	337	84.00	1.20	1.20		2.00		16 VALVE
A2010-ED80A	11-849	337	84.00	1.20	1.20		2.00		16 VALVE
A2010-ED80A	11-849	337	84.00	1.20	1.20		2.00		16 VALVE
A2010-ED80C	NA		79.70						16 VALVE
12010-3RC0B	NA		79.70						16 VALVE
12010-17F11	DISC. 11-058		83.00	1.50	1.50		2.80		w/ TURBO, 8 VALVE
12010-51E61	DISC. 11-768		83.00	1.50	1.50		2.80		SE, 16 VALVE
12010-U6001	11-059	278	85.00	2.00	2.00		4.00		8 VALVE
12010-U6001	11-059	278	85.00	2.00	2.00		4.00		8 VALVE
12010-U6001	11-059	278	85.00	2.00	2.00		4.00		8 VALVE
12010-U6001	11-059	278	85.00	2.00	2.00		4.00		8 VALVE
12010-U6001	11-059	278	85.00	2.00	2.00		4.00		8 VALVE
12010-U6021	11-059	278	85.00	2.00	2.00		4.00		8 VALVE
12010-04W11	11-060	278	85.00	2.00	2.00		4.00		8 VALVE
12010-04W11	11-060	278	85.00	2.00	2.00		4.00		8 VALVE
12010-N8701	11-064	279	85.00	1.50	1.50		4.00		8 VALVE
12010-N8701	11-064	279	85.00	1.50	1.50		4.00		8 VALVE
NISSAN - CONTINUED									

U.S. APPLICATIONS

PISTON RINGS

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ENGINE SIZE			MODEL NAME	YEAR	C Y L	ENGINE CODE NUMBER	F.I. CARB DIESEL	O.H.V. S.O.H.C. D.O.H.C.	RING REFERENCE NUMBER	NOA PISTON RING #
cc	L	ci								
NISSAN										
1952	2.0L	119	720	1983 - 1986	4	Z20	CARB	S.O.H.C.	12033-N8520	SWN30086
1952	2.0L	119	PICKUP	1983 - 1986	4	Z20	CARB	S.O.H.C.	12033-N8520	SWN30086
1974	2.0L	120	200SX	1984 - 1989	4	CA20E	F.I.	S.O.H.C.	12033-04E10	SWN30053
1974	2.0L	120	STANZA	1984 - 1989	4	CA20E	F.I.	S.O.H.C.	12033-04E10	SWN30053
1974	2.0L	120	STANZA	1982 - 1983	4	CA20S	CARB	S.O.H.C.	12033-04E10	SWN30053
1982	2.0L	121	SRL 311	1967 - 1970	4	U20	CARB	O.H.V.	12033-25502	SWN30030
1998	2.0L	122	200SX	1995 - 1999	4	SR20DE	F.I.	D.O.H.C.	12033-53J10	SWN30102
1998	2.0L	122	NX	1991 - 1994	4	SR20DE	F.I.	D.O.H.C.	12033-53J01	SWN30102
1998	2.0L	122	SENTRA	1991 - 1999	4	SR20DE	F.I.	D.O.H.C.	12033-53J01	SWN30102
1998	2.0L	122	SENTRA	2000 - 2001	4	SR20DE	F.I.	D.O.H.C.	12033-4M802	SWN30123
1999	2.0L	122	SENTRA	2007 - 2010	4	MR20DE	F.I.	D.O.H.C.	12033-EN200	SWN30154
1999	2.0L	122	SENTRA	2011 - 2012	4	MR20DE	F.I.	D.O.H.C.	12033-EN20A	SWN30154
1999	2.0L	122	NV200	2014 - 2015	4	MR20DE	F.I.	D.O.H.C.	-	NA
1999	2.0L	122	NV200 TAXI	2014 - 2015	4	MR20DE	F.I.	D.O.H.C.	-	NA
2164	2.2L	132	720	1981 - 1982	4	SD22	DIESEL		12033-R8112	SDN31027
2164	2.2L	132	PICKUP	1981 - 1982	4	SD22	DIESEL		12033-R8112	SDN31027
2181	2.2L	133	720	1981 - 1982	4	Z22	CARB	S.O.H.C.	12033-06W20	SWN30054
2181	2.2L	133	PICKUP	1981 - 1982	4	Z22	CARB	S.O.H.C.	12033-06W20	SWN30054
2181	2.2L	133	200SX	1982 - 1983	4	Z22E	F.I.	S.O.H.C.	12033-06W20	SWN30054
2389	2.4L	146	720	1983 - 1984	4	Z24	CARB	S.O.H.C.	12033-30W10	SWN30059
2389	2.4L	146	PICKUP	1983 - 1984	4	Z24	CARB	S.O.H.C.	12033-30W10	SWN30059
2389	2.4L	146	240Z	1972 - 1973	6	L24	CARB		12033-E3100	SWN30034
2389	2.4L	146	720	1985 - 1986	4	Z24, Z24i	CARB	S.O.H.C.	12033-21G00	SWN30085
2389	2.4L	146	PATHFINDER	1987 ONLY	4	Z24i	F.I.	S.O.H.C.	12033-21G00	SWN30085
2389	2.4L	146	PICKUP	1985 - 1989	4	Z24, Z24i	C & F	S.O.H.C.	12033-21G00	SWN30085
2389	2.4L	146	VAN	1987 - 1989	4	Z24i	F.I.	S.O.H.C.	12033-21G10	SWN30085
2389	2.4L	146	240SX	1989 - 1990	4	KA24E	F.I.	S.O.H.C.	12033-53F01	SWN30096
2389	2.4L	146	AXXESS	1990 ONLY	4	KA24E	F.I.	S.O.H.C.	12033-53F01	SWN30096
2389	2.4L	146	STANZA	1990 - 1992	4	KA24E	F.I.	S.O.H.C.	12033-53F01	SWN30096
2389	2.4L	146	240SX	1991 - 1999	4	KA24DE	F.I.	D.O.H.C.	12033-70F00	SWN30096
2389	2.4L	146	ALTIMA	1993 - 1997	4	KA24DE	F.I.	D.O.H.C.	12033-4E100	SWN30118

PISTONS

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PISTON REFERENCE NUMBER	NOA PISTON #	HEAD PAGE #	DIA. mm	1	2	3	O	O	REMARK
				S T	N D	R D	1	2	
12010-82W11	<i>DISC. 11-066</i>		85.00	1.50	1.50		4.00		8 VALVE
12010-W4001	<i>DISC. 11-066</i>		85.00	1.50	1.50		4.00		8 VALVE
12010-10F11	11-062	279	84.50	1.50	1.50		4.00		8 VALVE
12010-10F11	11-062	279	84.50	1.50	1.50		4.00		8 VALVE
12010-D1811	<i>DISC. 11-063</i>		84.50	1.50	1.50		4.00		8 VALVE
-	NA		87.20	2.00	2.00		4.00		2000 ROADSTER
A2010-63J00	11-602	297	86.00	1.50	1.50		3.00		16 VALVE
A2010-63J00	11-602	297	86.00	1.50	1.50		3.00		16 VALVE
A2010-63J00	11-602	297	86.00	1.50	1.50		3.00		16 VALVE
A2010-4M860	NA		86.00	1.20	1.20		2.50		16 VALVE
A2010-ET000	NA		84.00	1.20	1.20		2.00		16 VALVE
A2010-ET00A	NA		84.00	1.20	1.20		2.00		16 VALVE
-	NA		84.00						NISSAN Engine, 16 VALVE
-	NA		84.00						NISSAN Engine, 16 VALVE
12010-36W10	11-068	279	83.00	2.50	2.00		4.50		
12010-36W10	11-068	279	83.00	2.50	2.00		4.50		
12010-06W21	11-069	279	87.00	1.50	1.50		4.00		8 VALVE
12010-06W21	11-069	279	87.00	1.50	1.50		4.00		8 VALVE
12010-D8111	11-236	286	87.00	1.50	1.50		4.00		8 VALVE
12010-30W11	11-070	280	89.00	1.50	1.50		4.00		8 VALVE
12010-30W11	11-070	280	89.00	1.50	1.50		4.00		8 VALVE
12010-H2701	11-071	280	83.00	2.00	2.00		4.00		
12010-83W11	11-238	287	89.00	2.00	1.50		4.00		8 VALVE
12010-83W11	11-238	287	89.00	2.00	1.50		4.00		8 VALVE
12010-83W11	11-238	287	89.00	2.00	1.50		4.00		8 VALVE
12010-83W11	11-238	287	89.00	2.00	1.50		4.00		8 VALVE
12010-40F10	11-600	296	89.00	1.50	1.50		2.80		12 VALVE
A2010-30R10	11-600	296	89.00	1.50	1.50		2.80		12 VALVE
A2010-30R10	11-600	296	89.00	1.50	1.50		2.80		12 VALVE
A2010-53F00	11-598	296	89.00	1.50	1.50		2.80		16 VALVE
A2010-1E400	11-609	297	89.00	1.50	1.50		2.80		16 VALVE

NISSAN

U.S. APPLICATIONS

PISTON RINGS

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ENGINE SIZE			MODEL NAME	YEAR	CYL	ENGINE CODE NUMBER	F.I. CARB DIESEL	O.H.V. S.O.H.C. D.O.H.C.	RING REFERENCE NUMBER	NOA PISTON RING #
cc	L	ci								
NISSAN										
2389	2.4L	146	PICKUP	1990 - 1999	4	KA24E	F.I.	S.O.H.C.	12033-86G00	SWN30118
2389	2.4L	146	ALTIMA	2000 - 2001	4	KA24DE	F.I.	D.O.H.C.	12033-0Z810	SWN30143
2389	2.4L	146	FRONTIER	2001 ONLY	4	KA24DE	F.I.	D.O.H.C.	12033-0Z810	SWN30143
2389	2.4L	146	FRONTIER	2002 - 2004	4	KA24DE	F.I.	D.O.H.C.	12033-0Z810	SWN30143
2389	2.4L	146	ALTIMA	1998 - 1999	4	KA24DE	F.I.	D.O.H.C.	12033-9E000	SWN30143
2389	2.4L	146	FRONTIER	1998 - 1999	4	KA24DE	F.I.	D.O.H.C.	12033-9E000	SWN30143
2389	2.4L	146	XTERRA	1999 ONLY	4	KA24DE	F.I.	D.O.H.C.	12033-9E000	SWN30143
2389	2.4L	146	FRONTIER	2000 ONLY	4	KA24DE	F.I.	D.O.H.C.	12033-9E000	SWN30143
2389	2.4L	146	XTERRA	2000 ONLY	4	KA24DE	F.I.	D.O.H.C.	12033-9E000	SWN30143
2389	2.4L	146	XTERRA	2001 - 2004	4	KA24DE	F.I.	D.O.H.C.	12033-0Z810	SWN30143
2393	2.4L	146	810	1977 - 1978	6	L24E	CARB		12033-E3100	SWN30034
2393	2.4L	146	810	1979 - 1980	6	L24E	CARB		12033-A8600	SWN30034
2393	2.4L	146	810	1981 ONLY	6	L24E	CARB		12033-W2420	SWN30064
2393	2.4L	146	MAXIMA	1981 ONLY	6	L24E	C & F		12033-W2420	SWN30064
2393	2.4L	146	MAXIMA	1982 - 1984	6	L24E	C & F		12033-W3100	SWN30065
2488	2.5L	152	720	1983 - 1986	4	SD25	DIESEL		12033-L2006	SDN31023
2488	2.5L	152	PICKUP	1983 - 1986	4	SD25	DIESEL		12033-L2006	SDN31023
2488	2.5L	152	ALTIMA	2002 - 2006	4	QR25DE	F.I.	D.O.H.C.	12033-8H301	SWN30140
2488	2.5L	152	SENTRA SE-R	2002 - 2003	4	QR25DE	F.I.	D.O.H.C.	12033-8J000	SWN30140
2488	2.5L	152	SENTRA SE-R	2004 - 2006	4	QR25DE	F.I.	D.O.H.C.	12033-8H301	SWN30140
2488	2.5L	152	FRONTIER	2005 - 2008	4	QR25DE	F.I.	D.O.H.C.	12033-EA000	SWN30140
2488	2.5L	152	FRONTIER	2009 - 2015	4	QR25DE	F.I.	D.O.H.C.	12033-EA00B	SWN30140
2488	2.5L	152	ALTIMA	2007 - 2010	4	QR25DE	F.I.	D.O.H.C.	12033-JA00B	SWN30189
2488	2.5L	152	ALTIMA HYBIRD	2007 - 2010	4	QR25DE	F.I.	D.O.H.C.	12033-JA00B	SWN30189
2488	2.5L	152	SENTRA SE-R	2009 - 2012	4	QR25DE	F.I.	D.O.H.C.	12033-JA00B	SWN30189
2488	2.5L	152	SENTRA SE-R	2007 - 2008	4	QR25DE	F.I.	D.O.H.C.	12033-ET80B	SWN30189
2488	2.5L	152	ALTIMA	2011 - 2015	4	QR25DE	F.I.	D.O.H.C.	12033-JA00B	SWN30189
2488	2.5L	152	ALTIMA HYBIRD	2011 - 2012	4	QR25DE	F.I.	D.O.H.C.	12033-JA00B	SWN30189
2488	2.5L	152	ROGUE	2008 - 2012	4	QR25DE	F.I.	D.O.H.C.	12033-JG30A	SWN30189
2488	2.5L	152	ROGUE	2013 - 2015	4	QR25DE	F.I.	D.O.H.C.	12033-JG30A	SWN30189
2488	2.5L	152	ALTIMA	2013 - 2015	4	QR25DE	F.I.	D.O.H.C.	12033-3TA0A	NA
2488	2.5L	152	PATHFINDER H	2014 - 2015	4	QR25DER	F.I.	D.O.H.C.	-	NA

PISTONS

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PISTON REFERENCE NUMBER	NOA PISTON #	HEAD PAGE #	DIA. mm	1 S T	2 N D	3 R D	O 1	O 2	REMARK
12010-86G20	11-676	306	89.00	1.50	1.50		2.80		12 VALVE
A2010-1Z102	11-755	320	89.00	1.20	1.20		2.50		16 VALVE
A2010-1Z102	11-755	320	89.00	1.20	1.20		2.50		16 VALVE
A2010-8Z310	11-755	320	89.00	1.20	1.20		2.50		16 VALVE
A2010-9E000	11-755	320	89.00	1.20	1.20		2.50		16 VALVE
A2010-9E000	11-755	320	89.00	1.20	1.20		2.50		16 VALVE
A2010-9E000	11-755	320	89.00	1.20	1.20		2.50		16 VALVE
A2010-9E001	11-755	320	89.00	1.20	1.20		2.50		16 VALVE
A2010-9E002	11-755	320	89.00	1.20	1.20		2.50		16 VALVE
A2010-9E002	11-755	320	89.00	1.20	1.20		2.50		16 VALVE
12010-A8601	DISC. 11-073		83.00	2.00	2.00		4.00		
12010-H2501	11-076	280	83.00	2.00	2.00		4.00		12 VALVE
12010-W2402	DISC. 11-073		83.00	1.50	2.00		4.00		12 VALVE
12010-W2402	DISC. 11-073		83.00	1.50	2.00		4.00		12 VALVE
12010-51L01	DISC. 11-078		83.00	1.50	1.50		4.00		
12010-29W00	DISC. 11-079		89.00	2.50	2.00		4.50		
12010-29W00	DISC. 11-079		89.00	2.50	2.00		4.50		
A2010-8J000	11-852	338	89.00	1.20	1.20		2.50		16 VALVE
A2010-8J000	11-852	338	89.00	1.20	1.20		2.50		16 VALVE
A2010-8J011	11-852	338	89.00	1.20	1.20		2.50		16 VALVE
A2010-EA000	11-881	344	89.00	1.20	1.20		2.50		16 VALVE
A2010-EA001	11-881	344	89.00	1.20	1.20		2.50		16 VALVE
A2010-JA00C	11-894	348	89.00	1.20	1.20		2.00		16 VALVE
A2010-JA00C	11-894	348	89.00	1.20	1.20		2.00		16 VALVE
A2010-JA00C	11-894	348	89.00	1.20	1.20		2.00		16 VALVE
A2010-ET81A	NA		89.00	1.20	1.20		2.00		16 VALVE
A2010-JA01C	NA		89.00	1.20	1.20		2.00		16 VALVE
A2010-JA01C	NA		89.00	1.20	1.20		2.00		16 VALVE
A2010-JG31A	NA		89.00	1.20	1.20		2.00		16 VALVE
A2010-JG31B	NA		89.00	1.20	1.20		2.00		16 VALVE
12010-3TA0B	NA		89.00						SEDAN, 16 VALVE
-	NA		89.00						HYBRID, 16 VALVE

NISSAN

U.S. APPLICATIONS

PISTON RINGS

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RED = NEW INFORMATION

ENGINE SIZE			MODEL NAME	YEAR	CYL	ENGINE CODE NUMBER	F.I. CARB DIESEL	O.H.V. S.O.H.C. D.O.H.C.	RING REFERENCE NUMBER	NOA PISTON RING #
cc	L	ci								
NISSAN										
2753	2.8L	168	280Z	1975 - 1978	6	L28E	F.I.	S.O.H.C.	12033-N4200	SWN30047
2753	2.8L	168	280ZX	1979 ONLY	6	L28E	F.I.	S.O.H.C.	12033-P8370	SWN30047
2753	2.8L	168	280ZX	1980 ONLY	6	L28E	F.I.	S.O.H.C.	12033-P8370	SWN30047
2753	2.8L	168	280ZX	1981 - 1983	6	L28E	F.I.	S.O.H.C.	12033-P7910	SWN30066
2753	2.8L	168	280ZX	1981 - 1983	6	L28ET	F.I.	S.O.H.C.	12033-P9010	SWN30066
2753	2.8L	168	810	1981 ONLY	6	LD28	DIESEL		12033-60L00	SDN30067
2753	2.8L	168	MAXIMA	1981 - 1983	6	LD28	DIESEL		12033-60L00	SDN30067
2960	3.0L	181	300ZX	1984 - 1989	V6	VG30E	F.I.	S.O.H.C.	12033-21V01	SWN30058
2960	3.0L	181	MAXIMA	1985 - 1994	V6	VG30E	F.I.	S.O.H.C.	12033-21V01	SWN30058
2960	3.0L	181	300ZX	1984 - 1989	V6	VG30ET	F.I.	S.O.H.C.	12033-21V01	SWN30058
2960	3.0L	181	PICKUP	1986 - 1995	V6	VG30i	F.I.	S.O.H.C.	12033-15G00	SWN30093
2960	3.0L	181	PATHFINDER	1987 - 1995	V6	VG30i	F.I.	S.O.H.C.	12033-15G00	SWN30093
2960	3.0L	181	200SX	1987 - 1989	V6	VG30E	F.I.	S.O.H.C.	12033-21V01	SWN30058
2960	3.0L	181	PATHFINDER	1990 - 1995	V6	VG30E	F.I.	S.O.H.C.	12033-17V01	SWN30058
2960	3.0L	181	PICKUP	1990 - 1995	V6	VG30E	F.I.	S.O.H.C.	12033-17V01	SWN30058
2960	3.0L	181	MAXIMA	1992 - 1994	V6	VE30DE	F.I.	D.O.H.C.	12033-96E01	SWN30058
2960	3.0L	181	QUEST	1993 - 1998	V6	VG30E	F.I.	S.O.H.C.	12033-17V01	SWN30058
2960	3.0L	181	QUEST	1993 - 1998	V6	VG30E	F.I.	S.O.H.C.	12033-17V01	SWN30058
2960	3.0L	181	300ZX	1990 - 1996	V6	VG30DE	F.I.	D.O.H.C.	12033-F6511	SWN30058
2960	3.0L	181	300ZX	1990 - 1996	V6	VG30DETT	F.I.	D.O.H.C.	12033-F6511	SWN30058
2987	3.0L	182	MAXIMA	1995 - 1999	V6	VQ30DE	F.I.	D.O.H.C.	12033-38U01	SWN30115
2987	3.0L	182	MAXIMA	2000 - 2001	V6	VQ30DE	F.I.	D.O.H.C.	12033-2Y900	SWN30115
3272	3.3L	200	QUEST	2000 - 2003	V6	VG33E	F.I.	S.O.H.C.	12033-7Z800	SWN30120
3272	3.3L	200	FRONTIER	1999 ONLY	V6	VG33E	F.I.	S.O.H.C.	12033-7B000	SWN30120
3272	3.3L	200	QUEST	1999 - 2000	V6	VG33E	F.I.	S.O.H.C.	12033-7B000	SWN30120
NISSAN - CONTINUED										

PISTONS

RED = NEW INFORMATION

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PISTON REFERENCE NUMBER	NOA PISTON #	HEAD PAGE #	DIA. mm	1 S T	2 N D	3 R D	O 1	O 2	REMARK
NISSAN									
12010-Y4111	11-081	280	86.00	2.00	2.00		4.00		12 VALVE
12010-Y4131	11-081	280	86.00	2.00	2.00		4.00		12 VALVE
12010-Y8621	11-082	281	86.00	2.00	2.00		4.00		12 VALVE
12010-P7912	11-084	281	86.00	1.50	2.00		4.00		12 VALVE
12010-P9012	DISC. 11-085		86.00	1.50	2.00		4.00		w/ TURBO, 12 VALVE
12010-W2502	DISC. 11-086		84.50	2.00	2.00		4.00		
12010-W2502	DISC. 11-086		84.50	2.00	2.00		4.00		
12010-V7101	DISC. 11-088		87.00	1.50	1.50		2.80		12 VALVE
12010-V7101	DISC. 11-088		87.00	1.50	1.50		2.80		12 VALVE
12010-02P01	DISC. 11-089		87.00	1.50	1.50		2.80		w/ TURBO, 12 VALVE
12010-13G63	DISC. 11-607		87.00	2.00	1.50		2.80		12 VALVE
A2010-13G61	DISC. 11-607		87.00	2.00	1.50		2.80		12 VALVE
12010-V7175	11-603	297	87.00	1.50	1.50		2.80		12 VALVE
A2010-10G03	11-603	297	87.00	1.50	1.50		2.80		12 VALVE
A2010-10G03	11-603	297	87.00	1.50	1.50		2.80		12 VALVE
A2010-96E00	11-675	305	87.00	1.50	1.50		2.80		24 VALVE
A2010-1B100	11-681	307	87.00	1.50	1.50		2.80		CYL #1,3,5, 12 VALVE
A2010-1B110	11-681	307	87.00	1.50	1.50		2.80		CYL #2,4,6, 12 VALVE
A2010-30P00	11-727	314	87.00	1.50	1.50		2.80		24 VALVE
A2010-30P10	NA		87.00	1.50	1.50		2.80		w/ TURBO, 24 VALVE
A2010-38U10	11-711	311	93.00	1.20	1.20		2.50		24 VALVE
A2010-2Y900	11-800	328	93.00	1.20	1.20		2.50		24 VALVE
A2010-2Z000	NA		91.50	1.50	1.50		2.80		12 VALVE
A2010-2Z062	NA		91.50	1.50	1.50		2.80		12 VALVE
A2010-2Z062	NA		91.50	1.50	1.50		2.80		12 VALVE
NISSAN - CONTINUED									

U.S. APPLICATIONS

PISTON RINGS

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ENGINE SIZE			MODEL NAME	YEAR	C Y L	ENGINE CODE NUMBER	F.I. CARB DIESEL	O.H.V. S.O.H.C. D.O.H.C.	RING REFERENCE NUMBER	NOA PISTON RING #
cc	L	ci								
NISSAN										
3272	3.3L	200	FRONTIER	2000 - 2004	V6	VG33E	F.I.	S.O.H.C.	12033-7Z800	SWN30120
3272	3.3L	200	FRONTIER	2000 - 2004	V6	VG33E	F.I.	S.O.H.C.	12033-7Z800	SWN30120
3272	3.3L	200	FRONTIER	2000 - 2004	V6	VG33E	F.I.	S.O.H.C.	12033-7Z800	SWN30120
3272	3.3L	200	FRONTIER	2000 - 2004	V6	VG33E	F.I.	S.O.H.C.	12033-7Z800	SWN30120
3272	3.3L	200	PATHFINDER	1996 - 2000	V6	VG33E	F.I.	S.O.H.C.	12033-0W000	SWN30120
3272	3.3L	200	PATHFINDER	1996 - 2000	V6	VG33E	F.I.	S.O.H.C.	12033-0W000	SWN30120
3272	3.3L	200	XTERRA	1999 - 2004	V6	VG33E	F.I.	S.O.H.C.	12033-7Z800	SWN30120
3272	3.3L	200	XTERRA	1999 - 2004	V6	VG33E	F.I.	S.O.H.C.	12033-7Z800	SWN30120
3272	3.3L	200	XTERRA	2002 - 2004	V6	VG33E	F.I.	S.O.H.C.	12033-7Z800	SWN30120
3272	3.3L	200	XTERRA	2002 - 2004	V6	VG33E	F.I.	S.O.H.C.	12033-7Z800	SWN30120
3498	3.5L	213	PATHFINDER	2001 - 2004	V6	VQ35DE	F.I.	D.O.H.C.	12033-4W005	SWN30131
3498	3.5L	213	350Z ROADSTER	2003 - 2005	V6	VQ35DE	F.I.	D.O.H.C.	12033-8J100	SWN30131
3498	3.5L	213	ALTIMA	2002 - 2006	V6	VQ35DE	F.I.	D.O.H.C.	12033-8J100	SWN30131
3498	3.5L	213	ALTIMA SE-R	2004 - 2008	V6	VQ35DE	F.I.	D.O.H.C.	12033-8J100	SWN30131
3498	3.5L	213	MAXIMA	2002 - 2003	V6	VQ35DE	F.I.	D.O.H.C.	12033-8J100	SWN30131
3498	3.5L	213	MAXIMA	2004 - 2008	V6	VQ35DE	F.I.	D.O.H.C.	12033-8J100	SWN30131
3498	3.5L	213	MURANO	2003 - 2007	V6	VQ35DE	F.I.	D.O.H.C.	12033-8J100	SWN30131
3498	3.5L	213	QUEST	2004 - 2009	V6	VQ35DE	F.I.	D.O.H.C.	12033-8J100	SWN30131
3498	3.5L	213	350Z ROADSTER	2006 - 2008	V6	VQ35HR	F.I.	D.O.H.C.	12033-JK20A	SWN30162
3498	3.5L	213	PATHFINDER	2013 - 2015	V6	VQ35DE	F.I.	D.O.H.C.	12033-JP10D	SWN30191
3498	3.5L	213	ALTIMA	2007 - 2011	V6	VQ35DE	F.I.	D.O.H.C.	12033-JA10D	SWN30191
3498	3.5L	213	ALTIMA	2012 - 2015	V6	VQ35DE	F.I.	D.O.H.C.	12033-JA10D	SWN30191
3498	3.5L	213	MAXIMA	2009 - 2011	V6	VQ35DE	F.I.	D.O.H.C.	12033-JA10D	SWN30191
3498	3.5L	213	MAXIMA	2012 - 2015	V6	VQ35DE	F.I.	D.O.H.C.	12033-JA10D	SWN30191
3498	3.5L	213	MURANO	2008 - 2011	V6	VQ35DE	F.I.	D.O.H.C.	12033-JP00A	SWN30191
3498	3.5L	213	MURANO	2012 - 2015	V6	VQ35DE	F.I.	D.O.H.C.	12033-JP00A	SWN30191
3498	3.5L	213	QUEST	2010 - 2015	V6	VQ35DE	F.I.	D.O.H.C.	12033-JP00A	SWN30191
3699	3.7L	226	370Z	2009 - 2012	V6	VQ37VHR	F.I.	D.O.H.C.	12033-JK20C	SWN30162
3699	3.7L	226	370Z	2009 - 2012	V6	VQ37VHR	F.I.	D.O.H.C.	12033-JK20C	SWN30162
3699	3.7L	226	370Z	2013 - 2015	V6	VQ37VHR	F.I.	D.O.H.C.	12033-1EA0B	NA
3699	3.7L	226	370Z	2013 - 2015	V6	VQ37VHR	F.I.	D.O.H.C.	12033-1EA0B	NA
3799	3.8L	232	GT-R	2009 - 2015	V6	VR38DETT	F.I.	D.O.H.C.	12033-JF00A	NA
NISSAN - CONTINUED										

PISTONS

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PISTON REFERENCE NUMBER	NOA PISTON #	HEAD PAGE #	DIA. mm	1 S T	2 N D	3 R D	O 1	O 2	REMARK
NISSAN									
A2010-5S600	11-728	314	91.50	1.50	1.50		2.80		CYL #1,2,6, 12VALVE
A2010-5S661	11-728	314	91.50	1.50	1.50		2.80		CYL #3,4,5, 12VALVE
A2010-5S700	11-728	314	91.50	1.50	1.50		2.80		w/Supercharger, CYL #1,2,6, 12VALVE
A2010-5S761	11-728	314	91.50	1.50	1.50		2.80		w/Supercharger, CYL #3,4,5, 12VALVE
A2010-1W200	11-728	314	91.50	1.50	1.50		2.80		CYL #1,2,6, 12VALVE
A2010-1W261	11-728	314	91.50	1.50	1.50		2.80		CYL #3,4,5, 12VALVE
A2010-5S600	11-728	314	91.50	1.50	1.50		2.80		SE, XE, CYL #1,2,6, 12VALVE
A2010-5S661	11-728	314	91.50	1.50	1.50		2.80		SE, XE, CYL #3,4,5, 12VALVE
A2010-5S700	11-728	314	91.50	1.50	1.50		2.80		w/Supercharger, CYL #1,2,6, 12VALVE
A2010-5S761	11-728	314	91.50	1.50	1.50		2.80		w/Supercharger, CYL #3,4,5, 12VALVE
A2010-4W160	NA		95.50	1.20	1.20		2.50		24 VALVE
A2010-8J110	11-860	339	95.50	1.20	1.20		2.50		24 VALVE
A2010-8J110	11-860	339	95.50	1.20	1.20		2.50		24 VALVE
A2010-8J110	11-860	339	95.50	1.20	1.20		2.50		24 VALVE
A2010-8J110	11-860	339	95.50	1.20	1.20		2.50		24 VALVE
A2010-7Y001	11-860	339	95.50	1.20	1.20		2.50		24 VALVE
A2010-8J110	11-860	339	95.50	1.20	1.20		2.50		24 VALVE
A2010-7Y001	11-860	339	95.50	1.20	1.20		2.50		24 VALVE
A2010-JK20B	NA		95.50	1.20	1.20		2.00		24 VALVE
12010-JA10C	NA		95.50	1.20	1.20		2.00		24 VALVE
A2010-JA10A	11-907	351	95.50	1.20	1.20		2.00		24 VALVE
A2010-JA11B	11-907	351	95.50	1.20	1.20		2.00		24 VALVE
12010-9N00B	11-907	351	95.50	1.20	1.20		2.00		24 VALVE
12010-9N00C	11-907	351	95.50	1.20	1.20		2.00		24 VALVE
A2010-JP00C	11-907	351	95.50	1.20	1.20		2.00		24 VALVE
A2010-JP00D	11-907	351	95.50	1.20	1.20		2.00		24 VALVE
A2010-JP00D	11-907	351	95.50	1.20	1.20		2.00		24 VALVE
A2010-EY00C	NA		95.50	1.20	1.20		2.00		RIGHT, 24 VALVE
A2010-EY00D	NA		95.50	1.20	1.20		2.00		LEFT, 24 VALVE
A2010-1EA0A	NA		95.50	1.20	1.20		2.00		RIGHT, 24 VALVE
A2010-1EA0B	NA		95.50	1.20	1.20		2.00		LEFT, 24 VALVE
A2010-JF00A	NA		95.50						w/Supercharger, 24 VALVE
NISSAN - CONTINUED									

U.S. APPLICATIONS

PISTON RINGS

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RED = NEW INFORMATION

ENGINE SIZE			MODEL NAME	YEAR	C Y L	ENGINE CODE NUMBER	F.I. CARB DIESEL	O.H.V. S.O.H.C. D.O.H.C.	RING REFERENCE NUMBER	NOA PISTON RING #
cc	L	ci								
NISSAN										
3954	4.0L	241	FRONTIER	2005 - 2008	V6	VQ40DE	F.I.	D.O.H.C.	12033-8J100	SWN30131
3954	4.0L	241	FRONTIER	2009 - 2011	V6	VQ40DE	F.I.	D.O.H.C.	12033-8J100	SWN30131
3954	4.0L	241	NV1500	2011 ONLY	V6	VQ40DE	F.I.	D.O.H.C.	12033-8J100	SWN30131
3954	4.0L	241	NV2500HD	2011 ONLY	V6	VQ40DE	F.I.	D.O.H.C.	12033-8J100	SWN30131
3954	4.0L	241	PATHFINDER	2005 - 2008	V6	VQ40DE	F.I.	D.O.H.C.	12033-8J100	SWN30131
3954	4.0L	241	PATHFINDER	2009 - 2011	V6	VQ40DE	F.I.	D.O.H.C.	12033-8J100	SWN30131
3954	4.0L	241	XTERRA	2005 - 2008	V6	VQ40DE	F.I.	D.O.H.C.	12033-8J100	SWN30131
3954	4.0L	241	XTERRA	2009 - 2011	V6	VQ40DE	F.I.	D.O.H.C.	12033-8J100	SWN30131
3954	4.0L	241	FRONTIER	2012 - 2015	V6	VQ40DE	F.I.	D.O.H.C.	12033-JP00A	SWN30191
3954	4.0L	241	NV1500	2012 - 2015	V6	VQ40DE	F.I.	D.O.H.C.	12033-JP00A	SWN30191
3954	4.0L	241	NV2500HD	2012 - 2015	V6	VQ40DE	F.I.	D.O.H.C.	12033-JP00A	SWN30191
3954	4.0L	241	NV PASSENGER	2012 - 2015	V6	VQ40DE	F.I.	D.O.H.C.	12033-JP00A	SWN30191
3954	4.0L	241	PATHFINDER	2012 ONLY	V6	VQ40DE	F.I.	D.O.H.C.	12033-JP00A	SWN30191
3954	4.0L	241	XTERRA	2012 - 2015	V6	VQ40DE	F.I.	D.O.H.C.	12033-JP00A	SWN30191
5552	5.6L	339	ARMADA	2004 - 2007	V8	VK56DE	F.I.	D.O.H.C.	12033-7S001	SWN30149
5552	5.6L	339	PATHFINDER	2004 - 2007	V8	VK56DE	F.I.	D.O.H.C.	12033-7S001	SWN30149
5552	5.6L	339	PATHFINDER	2008 - 2009	V8	VK56DE	F.I.	D.O.H.C.	12033-ZE00A	SWN30149
5552	5.6L	339	TITAN	2004 - 2007	V8	VK56DE	F.I.	D.O.H.C.	12033-7S001	SWN30149
5552	5.6L	339	TITAN	2008 - 2009	V8	VK56DE	F.I.	D.O.H.C.	12033-ZE00A	SWN30149
5552	5.6L	339	ARMADA	2008 - 2015	V8	VK56DE	F.I.	D.O.H.C.	12033-ZE00A	SWN30149
5552	5.6L	339	NV2500HD	2011 - 2015	V8	VK56DE	F.I.	D.O.H.C.	12033-ZE00A	SWN30149
5552	5.6L	339	NV3500HD	2011 - 2015	V8	VK56DE	F.I.	D.O.H.C.	12033-ZE00A	SWN30149
5552	5.6L	339	NV PASSENGER	2012 - 2015	V8	VK56DE	F.I.	D.O.H.C.	12033-ZE00A	SWN30149
5552	5.6L	339	PATHFINDER	2010 - 2012	V8	VK56DE	F.I.	D.O.H.C.	12033-ZE00A	SWN30149
5552	5.6L	339	TITAN	2010 - 2015	V8	VK56DE	F.I.	D.O.H.C.	12033-ZE00A	SWN30149
NISSAN - END										

PISTONS

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PISTON REFERENCE NUMBER	NOA PISTON #	HEAD PAGE #	DIA. mm	1 S T	2 N D	3 R D	O 1	O 2	REMARK
NISSAN									
12010-EA200	11-878	344	95.50	1.20	1.20		2.50		24 VALVE
12010-EA20B	11-878	344	95.50	1.20	1.20		2.50		24 VALVE
12010-EA20B	11-878	344	95.50	1.20	1.20		2.50		24 VALVE
12010-EA20B	11-878	344	95.50	1.20	1.20		2.50		24 VALVE
12010-EA200	11-878	344	95.50	1.20	1.20		2.50		24 VALVE
12010-EA20B	11-878	344	95.50	1.20	1.20		2.50		24 VALVE
12010-EA21B	NA		95.50	1.20	1.20		2.00		24 VALVE
12010-EA21B	NA		95.50	1.20	1.20		2.00		24 VALVE
12010-EA21B	NA		95.50	1.20	1.20		2.00		24 VALVE
12010-EA21B	NA		95.50	1.20	1.20		2.00		24 VALVE
12010-EA21B	NA		95.50	1.20	1.20		2.00		24 VALVE
A2010-7S000	11-879	344	98.00	1.50	1.50		2.50		32 VALVE
A2010-7S000	11-879	344	98.00	1.50	1.50		2.50		32 VALVE
A2010-7S000	11-879	344	98.00	1.50	1.50		2.50		32 VALVE
A2010-7S000	11-879	344	98.00	1.50	1.50		2.50		32 VALVE
A2010-7S000	11-879	344	98.00	1.50	1.50		2.50		32 VALVE
A2010-1LU0A	NA		98.00	1.50	1.50		2.50		32 VALVE
A2010-1LU0A	NA		98.00	1.50	1.50		2.50		S, SV MODEL, 32 VALVE
A2010-1LU0A	NA		98.00	1.50	1.50		2.50		S, SV MODEL, 32 VALVE
A2010-1LU0A	NA		98.00	1.50	1.50		2.50		S, SV MODEL, 32 VALVE
A2010-1LU0A	NA		98.00	1.50	1.50		2.50		32 VALVE
A2010-1LU0A	NA		98.00	1.50	1.50		2.50		32 VALVE
NISSAN - END									

U.S. APPLICATIONS

PISTON RINGS

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RED = NEW INFORMATION

ENGINE SIZE			MODEL NAME	YEAR	CYL	ENGINE CODE NUMBER	F.I. CARB DIESEL	O.H.V. S.O.H.C. D.O.H.C.	RING REFERENCE NUMBER	NOA PISTON RING #
cc	L	ci								
SUBARU										
1189	1.2L	73	JUSTY	1987 - 1988	3	EF12	CARB	S.O.H.C.	480035800	SWF20054
1189	1.2L	73	JUSTY	1989 - 1994	3	EF12	C & F	S.O.H.C.	12033KA151	SWF20054
1267	1.3L	77	FF-1 1300G	1972 ONLY	H4	EA62	CARB	O.H.V.	880038600	SWF20010
1361	1.4L	83	LEONE 1400	1973 - 1975	H4	EA63	CARB	O.H.V.	380030100	SWF20014
1361	1.4L	83	LEONE 1400	1976 ONLY	H4	EA63	CARB	O.H.V.	380030100	SWF20014
1361	1.4L	83	LEONE 1600	1976 ONLY	H4	EA63	CARB	O.H.V.	380030100	SWF20014
1595	1.6L	97	LEONE 1600	1976 - 1987	H4	EA71	CARB	O.H.V.	380034310	SWF20017
1595	1.6L	97	BRAT	1978 - 1981	H4	EA71	CARB	O.H.V.	380034310	SWF20017
1595	1.6L	97	DL SEDAN	1978 - 1981	H4	EA71	CARB	O.H.V.	380034320	SWF20017
1595	1.6L	97	FE	1978 - 1979	H4	EA71	CARB	O.H.V.	380034320	SWF20017
1595	1.6L	97	GF	1978 - 1979	H4	EA71	CARB	O.H.V.	380034320	SWF20017
1595	1.6L	97	GL SEDAN	1978 - 1981	H4	EA71	CARB	O.H.V.	380034320	SWF20017
1595	1.6L	97	GLF	1980 - 1981	H4	EA71	CARB	O.H.V.	380034320	SWF20017
1781	1.8L	109	BRAT	1982 - 1986	H4	EA81	CARB	O.H.V.	480037100	SWF20039
1781	1.8L	109	DL SEDAN	1982 - 1984	H4	EA81	CARB	O.H.V.	480037100	SWF20039
1781	1.8L	109	GL SEDAN	1982 - 1986	H4	EA81	CARB	O.H.V.	480037100	SWF20039
1781	1.8L	109	GLF	1982 ONLY	H4	EA81	CARB	O.H.V.	480037100	SWF20039
1781	1.8L	109	LEONE 1800	1980 - 1986	H4	EA81	CARB	O.H.V.	480037100	SWF20039
1781	1.8L	109	BRAT	1983 - 1984	H4	EA81	F.I.	O.H.V.	480037100	SWF20039
1781	1.8L	109	GL SEDAN	1983 - 1984	H4	EA81	F.I.	O.H.V.	480037100	SWF20039
1781	1.8L	109	LEONE 1800	1983 - 1984	H4	EA81	F.I.	O.H.V.	480037100	SWF20039
1781	1.8L	109	DL TBI	1987 - 1989	H4	EA82	F.I.	S.O.H.C.	12033AA000	SWF20057
1781	1.8L	109	DL TBI	1987 - 1989	H4	EA82	F.I.	S.O.H.C.	12033AA000	SWF20057
1781	1.8L	109	GL TBI	1987 - 1989	H4	EA82	F.I.	S.O.H.C.	12033AA000	SWF20057
1781	1.8L	109	GL TBI	1987 - 1989	H4	EA82	F.I.	S.O.H.C.	12033AA000	SWF20057
1781	1.8L	109	GL-10 SEDAN	1987 - 1989	H4	EA82	F.I.	S.O.H.C.	12033AA000	SWF20057
1781	1.8L	109	GL-10 SEDAN	1987 - 1989	H4	EA82	F.I.	S.O.H.C.	12033AA000	SWF20057
1781	1.8L	109	GL-10 TBI	1987 - 1988	H4	EA82	F.I.	S.O.H.C.	12033AA000	SWF20057
1781	1.8L	109	GL-10 TBI	1987 - 1988	H4	EA82	F.I.	S.O.H.C.	12033AA000	SWF20057
1781	1.8L	109	LOYALE	1990 - 1994	H4	EA82	F.I.	S.O.H.C.	12033AA000	SWF20057
1781	1.8L	109	LOYALE	1990 - 1994	H4	EA82	F.I.	S.O.H.C.	12033AA000	SWF20057
1781	1.8L	109	XT SEDAN	1997 - 1992	H4	EA82	F.I.	S.O.H.C.	12033AA000	SWF20057
1781	1.8L	109	XT SEDAN	1997 - 1992	H4	EA82	F.I.	S.O.H.C.	12033AA000	SWF20057
1781	1.8L	109	XT-6 SEDAN	1997 - 1992	H4	EA82	F.I.	S.O.H.C.	12033AA060	SWF20057
1781	1.8L	109	XT-6 SEDAN	1997 - 1992	H4	EA82	F.I.	S.O.H.C.	12033AA060	SWF20057
SUBARU - CONTINUED										

PISTONS

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PISTON REFERENCE NUMBER	NOA PISTON #	HEAD PAGE #	DIA. mm	1 S T	2 N D	3 R D	O 1	O 2	REMARK
SUBARU									
12006KA062	DISC. 11-620		78.00	1.20	1.50		2.80		9 VALVE
12006KA062	DISC. 11-620		78.00	1.20	1.50		2.80		9 VALVE
880058610	DISC. 11-134		82.00	2.00	2.00		4.00		
380050100	DISC. 11-135		85.00	2.00	2.00		4.00		
380057000	DISC. 11-136		85.00	2.00	2.00		4.00		STD. TRANS
380057000	DISC. 11-136		85.00	2.00	2.00		4.00		DL, GF, Std TRANS
380054300	DISC. 11-137		92.00	2.00	2.00		4.00		DL, FE, GF, GL, GLF, Auto TRANS
380054320	DISC. 11-137		92.00	2.00	2.00		4.00		8 VALVE
380054320	DISC. 11-137		92.00	2.00	2.00		4.00		8 VALVE
380054320	DISC. 11-137		92.00	2.00	2.00		4.00		8 VALVE
380054320	DISC. 11-137		92.00	2.00	2.00		4.00		8 VALVE
380054320	DISC. 11-137		92.00	2.00	2.00		4.00		8 VALVE
380054320	DISC. 11-137		92.00	2.00	2.00		4.00		8 VALVE
480057110	DISC. 11-138		92.00	1.20	1.50		4.00		8 VALVE
480057110	DISC. 11-138		92.00	1.20	1.50		4.00		8 VALVE
480057110	DISC. 11-138		92.00	1.20	1.50		4.00		8 VALVE
480057110	DISC. 11-138		92.00	1.20	1.50		4.00		8 VALVE
480057110	DISC. 11-138		92.00	1.20	1.50		4.00		8 VALVE
480057300	DISC. 11-139		92.00	1.20	1.50		4.00		w/ TURBO, 8 VALVE
480057300	DISC. 11-139		92.00	1.20	1.50		4.00		w/ TURBO, 8 VALVE
480057300	DISC. 11-139		92.00	1.20	1.50		4.00		w/ TURBO, 8 VALVE
12013AA030	11-610	297	92.00	1.20	1.50		4.00		RIGHT, 8 VALVE
12018AA030	11-610	297	92.00	1.20	1.50		4.00		LEFT, 8 VALVE
12013AA030	11-610	297	92.00	1.20	1.50		4.00		RIGHT, 8 VALVE
12018AA030	11-610	297	92.00	1.20	1.50		4.00		LEFT, 8 VALVE
12013AA030	11-610	297	92.00	1.20	1.50		4.00		RIGHT, 8 VALVE
12018AA030	11-610	297	92.00	1.20	1.50		4.00		LEFT, 8 VALVE
12013AA030	11-610	297	92.00	1.20	1.50		4.00		T.B.I, RIGHT, 8 VALVE
12018AA030	11-610	297	92.00	1.20	1.50		4.00		T.B.I, LEFT, 8 VALVE
12013AA030	11-610	297	92.00	1.20	1.50		4.00		RIGHT, 8 VALVE
12018AA030	11-610	297	92.00	1.20	1.50		4.00		LEFT, 8 VALVE
12013AA030	11-610	297	92.00	1.20	1.50		4.00		RIGHT, 8 VALVE
12018AA030	11-610	297	92.00	1.20	1.50		4.00		LEFT, 8 VALVE
SUBARU - CONTINUED									

U.S. APPLICATIONS

PISTON RINGS

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ENGINE SIZE			MODEL NAME	YEAR	C Y L	ENGINE CODE NUMBER	F.I. CARB DIESEL	O.H.V. S.O.H.C. D.O.H.C.	RING REFERENCE NUMBER	NOA PISTON RING #
cc	L	ci								
SUBARU										
1781	1.8L	109	DL COUPE	1987 - 1989	H4	EA82	CARB	S.O.H.C.	12033AA000	SWF20057
1781	1.8L	109	DL COUPE	1987 - 1989	H4	EA82	CARB	S.O.H.C.	12033AA000	SWF20057
1781	1.8L	109	DL SEDAN	1987 - 1989	H4	EA82	CARB	S.O.H.C.	12033AA000	SWF20057
1781	1.8L	109	DL SEDAN	1987 - 1989	H4	EA82	CARB	S.O.H.C.	12033AA000	SWF20057
1781	1.8L	109	DL WAGON	1987 - 1989	H4	EA82	CARB	S.O.H.C.	12033AA000	SWF20057
1781	1.8L	109	DL WAGON	1987 - 1989	H4	EA82	CARB	S.O.H.C.	12033AA000	SWF20057
1781	1.8L	109	GL COUPE	1987 - 1989	H4	EA82	CARB	S.O.H.C.	12033AA000	SWF20057
1781	1.8L	109	GL COUPE	1987 - 1989	H4	EA82	CARB	S.O.H.C.	12033AA000	SWF20057
1781	1.8L	109	GL SEDAN	1987 - 1989	H4	EA82	CARB	S.O.H.C.	12033AA000	SWF20057
1781	1.8L	109	GL SEDAN	1987 - 1989	H4	EA82	CARB	S.O.H.C.	12033AA000	SWF20057
1781	1.8L	109	GL WAGON	1987 - 1989	H4	EA82	CARB	S.O.H.C.	12033AA000	SWF20057
1781	1.8L	109	GL WAGON	1987 - 1989	H4	EA82	CARB	S.O.H.C.	12033AA000	SWF20057
1781	1.8L	109	GL-10 COUPE	1987 - 1989	H4	EA82	CARB	S.O.H.C.	12033AA000	SWF20057
1781	1.8L	109	GL-10 COUPE	1987 - 1989	H4	EA82	CARB	S.O.H.C.	12033AA000	SWF20057
1781	1.8L	109	GL-10 WAGON	1987 - 1989	H4	EA82	CARB	S.O.H.C.	12033AA000	SWF20057
1781	1.8L	109	GL-10 WAGON	1987 - 1989	H4	EA82	CARB	S.O.H.C.	12033AA000	SWF20057
1781	1.8L	109	RX COUPE	1987 - 1989	H4	EA82	CARB	S.O.H.C.	12033AA000	SWF20057
1781	1.8L	109	RX COUPE	1987 - 1989	H4	EA82	CARB	S.O.H.C.	12033AA000	SWF20057
1781	1.8L	109	RX SEDAN	1987 - 1988	H4	EA82	CARB	S.O.H.C.	12033AA000	SWF20057
1781	1.8L	109	RX SEDAN	1987 - 1988	H4	EA82	CARB	S.O.H.C.	12033AA000	SWF20057
1781	1.8L	109	XT COUPE	1987 - 1989	H4	EA82	CARB	S.O.H.C.	12033AA000	SWF20057
1781	1.8L	109	XT COUPE	1987 - 1989	H4	EA82	CARB	S.O.H.C.	12033AA000	SWF20057
1781	1.8L	109	XT-6 COUPE	1988 - 1989	H4	EA82	CARB	S.O.H.C.	12033AA060	SWF20057
1781	1.8L	109	XT-6 COUPE	1988 - 1989	H4	EA82	CARB	S.O.H.C.	12033AA060	SWF20057
1781	1.8L	109	GL MFI	1987 - 1988	H4	EA82	F.I.	S.O.H.C.	12033AA000	SWF20057
1781	1.8L	109	GL-10 MFI	1987 - 1989	H4	EA82	F.I.	S.O.H.C.	12033AA000	SWF20057
1781	1.8L	109	LOYALE	1990 ONLY	H4	EA82	F.I.	S.O.H.C.	12033AA000	SWF20057
1781	1.8L	109	RX MFI	1987 - 1989	H4	EA82	F.I.	S.O.H.C.	12033AA000	SWF20057
1781	1.8L	109	XT MFI	1987 - 1989	H4	EA82	F.I.	S.O.H.C.	12033AA000	SWF20057
1781	1.8L	109	XT-6 MFI	1988 - 1989	H4	EA82	F.I.	S.O.H.C.	12033AA060	SWF20057
1781	1.8L	109	GL TBI	1986 ONLY	H4	EA82	F.I.	S.O.H.C.	12033AA000	SWF20057
1781	1.8L	109	GL-10 TBI	1986 ONLY	H4	EA82	F.I.	S.O.H.C.	12033AA000	SWF20057
1781	1.8L	109	LEONE 1800	1986 ONLY	H4	EA82	F.I.	S.O.H.C.	12033AA000	SWF20057
1781	1.8L	109	BRAT	1986 ONLY	H4	EA82	F.I.	S.O.H.C.	12033AA000	SWF20057
1781	1.8L	109	DL SEDAN	1985 - 1986	H4	EA82	F.I.	S.O.H.C.	12033AA000	SWF20057
1781	1.8L	109	GL SEDAN	1985 - 1986	H4	EA82	C & F	S.O.H.C.	12033AA000	SWF20057
1781	1.8L	109	GL-10 SEDAN	1985 - 1986	H4	EA82	C & F	S.O.H.C.	12033AA000	SWF20057
1781	1.8L	109	LEONE 1800	1985 - 1986	H4	EA82	F.I.	S.O.H.C.	12033AA000	SWF20057
1781	1.8L	109	XT SEDAN	1985 - 1986	H4	EA82	C & F	S.O.H.C.	12033AA000	SWF20057
SUBARU - CONTINUED										

PISTONS

RED = NEW INFORMATION

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PISTON REFERENCE NUMBER	NOA PISTON #	HEAD PAGE #	DIA. mm	1 S T	2 N D	3 R D	O 1	O 2	REMARK
SUBARU									
12013AA000	DISC. 11-616		92.00	1.20	1.50		4.00		RIGHT, 8 VALVE
12018AA000	DISC. 11-616		92.00	1.20	1.50		4.00		LEFT, 8 VALVE
12013AA000	DISC. 11-616		92.00	1.20	1.50		4.00		RIGHT, 8 VALVE
12018AA000	DISC. 11-616		92.00	1.20	1.50		4.00		LEFT, 8 VALVE
12013AA000	DISC. 11-616		92.00	1.20	1.50		4.00		RIGHT, 8 VALVE
12018AA000	DISC. 11-616		92.00	1.20	1.50		4.00		LEFT, 8 VALVE
12013AA000	DISC. 11-616		92.00	1.20	1.50		4.00		RIGHT, 8 VALVE
12018AA000	DISC. 11-616		92.00	1.20	1.50		4.00		LEFT, 8 VALVE
12013AA000	DISC. 11-616		92.00	1.20	1.50		4.00		RIGHT, 8 VALVE
12018AA000	DISC. 11-616		92.00	1.20	1.50		4.00		LEFT, 8 VALVE
12013AA000	DISC. 11-616		92.00	1.20	1.50		4.00		RIGHT, 8 VALVE
12018AA000	DISC. 11-616		92.00	1.20	1.50		4.00		LEFT, 8 VALVE
12013AA000	DISC. 11-616		92.00	1.20	1.50		4.00		RIGHT, 8 VALVE
12018AA000	DISC. 11-616		92.00	1.20	1.50		4.00		LEFT, 8 VALVE
12013AA000	DISC. 11-616		92.00	1.20	1.50		4.00		RIGHT, 8 VALVE
12018AA000	DISC. 11-616		92.00	1.20	1.50		4.00		LEFT, 8 VALVE
12013AA000	DISC. 11-616		92.00	1.20	1.50		4.00		RIGHT, 8 VALVE
12018AA000	DISC. 11-616		92.00	1.20	1.50		4.00		LEFT, 8 VALVE
12013AA000	DISC. 11-616		92.00	1.20	1.50		4.00		RIGHT, 8 VALVE
12018AA000	DISC. 11-616		92.00	1.20	1.50		4.00		LEFT, 8 VALVE
12006AA240	DISC. 11-712		92.00	1.20	1.50		4.00		8 VALVE
12006AA240	DISC. 11-712		92.00	1.20	1.50		4.00		8 VALVE
12006AA240	DISC. 11-712		92.00	1.20	1.50		4.00		M.P.I., 8 VALVE
12006AA240	DISC. 11-712		92.00	1.20	1.50		4.00		8 VALVE
12006AA240	DISC. 11-712		92.00	1.20	1.50		4.00		8 VALVE
12006AA240	DISC. 11-712		92.00	1.20	1.50		4.00		8 VALVE
12006AA060	NA		92.00	1.20	1.50		4.00		w/ TURBO, 8 VALVE
12006AA060	NA		92.00	1.20	1.50		4.00		w/ TURBO, 8 VALVE
12006AA060	NA		92.00	1.20	1.50		4.00		THROTTLE BODY, 8 VALVE
12006AA090	NA		92.00	1.20	1.50		4.00		8 VALVE
12006AA090	NA		92.00	1.20	1.50		4.00		8 VALVE
12006AA090	NA		92.00	1.20	1.50		4.00		8 VALVE
12006AA090	NA		92.00	1.20	1.50		4.00		8 VALVE
12006AA090	NA		92.00	1.20	1.50		4.00		8 VALVE
12006AA090	NA		92.00	1.20	1.50		4.00		8 VALVE
SUBARU - CONTINUED									

U.S. APPLICATIONS

PISTON RINGS

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ENGINE SIZE			MODEL NAME	YEAR	C Y L	ENGINE CODE NUMBER	F.I. CARB DIESEL	O.H.V. S.O.H.C. D.O.H.C.	RING REFERENCE NUMBER	NOA PISTON RING #
cc	L	ci								
SUBARU										
1781	1.8L	109	BRAT	1985 ONLY	H4	EA82	F.I.	S.O.H.C.	12033AA000	SWF20057
1781	1.8L	109	GL SEDAN	1985 - 1988	H4	EA82	F.I.	S.O.H.C.	12033AA000	SWF20057
1781	1.8L	109	GL-10 SEDAN	1986 ONLY	H4	EA82	F.I.	S.O.H.C.	12033AA000	SWF20057
1781	1.8L	109	LEONE 1800	1985 - 1986	H4	EA82	F.I.	S.O.H.C.	12033AA000	SWF20057
1781	1.8L	109	LOYALE	1990 ONLY	H4	EA82	F.I.	S.O.H.C.	12033AA000	SWF20057
1781	1.8L	109	RX SEDAN	1985 - 1986	H4	EA82	F.I.	S.O.H.C.	12033AA000	SWF20057
1781	1.8L	109	XT SEDAN	1985 - 1987	H4	EA82	F.I.	S.O.H.C.	12033AA000	SWF20057
1820	1.8L	111	IMPREZA	1993 - 1996	H4	EJ18	F.I.	S.O.H.C.	12033AA090	SWF20043
1820	1.8L	111	IMPREZA	1993 - 1996	H4	EJ18	F.I.	S.O.H.C.	12033AA090	SWF20043
1820	1.8L	111	IMPREZA	1997 ONLY	H4	EJ18	F.I.	S.O.H.C.	12033AA090	SWF20043
1994	2.0L	122	IMPREZA WRX	2002 - 2006	H4	EJ20	F.I.	D.O.H.C.	12033AD190	SWF20062
1995	2.0L	122	IMPREZA	2011 - 2015	H4	FB20	F.I.	D.O.H.C.	12033AC360	SWF20073
1995	2.0L	122	IMPREZA	2011 - 2015	H4	FB20	F.I.	D.O.H.C.	12033AC360	SWF20073
1995	2.0L	122	XV CROSSTREK	2013 - 2015	H4	FB20	F.I.	D.O.H.C.	12033AC360	SWF20073
1995	2.0L	122	XV CROSSTREK	2013 - 2015	H4	FB20	F.I.	D.O.H.C.	12033AC360	SWF20073
1998	2.0L	122	BRZ	2012 - 2015	H4	FA20	F.I.	D.O.H.C.	12033AC300	NA
1998	2.0L	122	BRZ	2012 - 2015	H4	FA20	F.I.	D.O.H.C.	12033AC300	NA
2212	2.2L	135	LEGACY	1991 - 1994	H4	EJ22	F.I.	S.O.H.C.	12033AA390	SWF20067
2212	2.2L	135	LEGACY	1991 - 1994	H4	EJ22	F.I.	S.O.H.C.	12033AA390	SWF20067
2212	2.2L	135	IMPREZA	1996 - 1999	H4	EJ22	F.I.	S.O.H.C.	12033AA210	SWF20045
2212	2.2L	135	IMPREZA	1996 - 1999	H4	EJ22	F.I.	S.O.H.C.	12033AA210	SWF20045
2212	2.2L	135	LEGACY	1990 - 1996	H4	EJ22	F.I.	S.O.H.C.	12033AA210	SWF20045
2212	2.2L	135	LEGACY	1990 - 1996	H4	EJ22	F.I.	S.O.H.C.	12033AA210	SWF20045
2212	2.2L	135	IMPREZA	1997 - 1998	H4	EJ22	F.I.	S.O.H.C.	12033AA210	SWF20045
2212	2.2L	135	LEGACY	1997 - 1998	H4	EJ22	F.I.	S.O.H.C.	12033AA210	SWF20045
2212	2.2L	135	LEGACY	1999 ONLY	H4	EJ22	F.I.	S.O.H.C.	12033AA210	SWF20045
2212	2.2L	135	OUTBACK H4	2001 ONLY	H4	EJ22	F.I.	S.O.H.C.	12033AA210	SWF20045
2457	2.5L	150	LEGACY	1996 ONLY	H4	EJ25D	F.I.	D.O.H.C.	12033AA760	SWF20064
2457	2.5L	150	LEGACY	1996 ONLY	H4	EJ25D	F.I.	D.O.H.C.	12033AA760	SWF20064
2457	2.5L	150	FORESTER	1998 ONLY	H4	EJ25D	F.I.	D.O.H.C.	12033AA760	SWF20064
2457	2.5L	150	IMPREZA	1998 ONLY	H4	EJ25D	F.I.	D.O.H.C.	12033AA760	SWF20064
2457	2.5L	150	LEGACY	1997 - 1999	H4	EJ25D	F.I.	D.O.H.C.	12033AA760	SWF20064
2457	2.5L	150	OUTBACK H4	1996 - 1999	H4	EJ25D	F.I.	D.O.H.C.	12033AA760	SWF20064
SUBARU - CONTINUED										

PISTONS

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PISTON REFERENCE NUMBER	NOA PISTON #	HEAD PAGE #	DIA. mm	1 S T	2 N D	3 R D	O 1	O 2	REMARK
SUBARU									
12006AA210	NA		92.00	1.20	1.50		4.00		w/ TURBO, 8 VALVE
12006AA210	NA		92.00	1.20	1.50		4.00		w/ TURBO, 8 VALVE
12006AA210	NA		92.00	1.20	1.50		4.00		w/ TURBO, 8 VALVE
12006AA210	NA		92.00	1.20	1.50		4.00		w/ TURBO, 8 VALVE
12006AA210	NA		92.00	1.20	1.50		4.00		w/ TURBO, 8 VALVE
12006AA210	NA		92.00	1.20	1.50		4.00		w/ TURBO, 8 VALVE
12013AA890	NA		87.90	1.20	1.50		3.00		RIGHT, 16 VALVE
12018AA890	NA		87.90	1.20	1.50		3.00		LEFT, 16 VALVE
12006AA340	NA		87.90	1.20	1.50		3.00		16 VALVE
-	NA		92.00	1.20	1.20		2.50		16 VALVE
12013AB490	NA		84.00	1.00	1.00		2.00		RIGHT, 16 VALVE
12018AB490	NA		84.00	1.00	1.00		2.00		LEFT, 16 VALVE
12013AB690	NA		84.00	1.00	1.00		2.00		RIGHT, 16 VALVE
12018AB690	NA		84.00	1.00	1.00		2.00		LEFT, 16 VALVE
12013AB610	NA		86.00	1.20	1.00		2.00		RIGHT, w/TURBO, 16 VALVE
12018AB610	NA		86.00	1.20	1.00		2.00		LEFT, w/ TURBO, 16 VALVE
12013AA340	NA		96.90	1.50	1.50		3.00		RIGHT, w/ TURBO, 16 VALVE
12018AA340	NA		96.90	1.50	1.50		3.00		LEFT, w/ TURBO, 16 VALVE
12013AA231	11-612	298	96.90	1.20	1.50		3.00		RIGHT, 16 VALVE
12018AA231	11-612	298	96.90	1.20	1.50		3.00		LEFT, 16 VALVE
12013AA231	11-612	298	96.90	1.20	1.50		3.00		RIGHT, 16 VALVE
12018AA231	11-612	298	96.90	1.20	1.50		3.00		LEFT, 16 VALVE
12006AB650	NA		96.90	1.20	1.50		3.00		16 VALVE
12006AB650	NA		96.90	1.20	1.50		3.00		16 VALVE
12006AA990	NA		96.90	1.20	1.50		3.00		16 VALVE
12206AA990	NA		96.90	1.20	1.50		3.00		16 VALVE
12013AB020	DISC. 11-789		99.50	1.20	1.50		2.80		RIGHT, 16 VALVE
12018AB020	DISC. 11-789		99.50	1.20	1.50		2.80		LEFT, 16 VALVE
12006AA410	DISC. 11-787		99.50	1.20	1.50		2.80		16 VALVE
12006AA410	DISC. 11-787		99.50	1.20	1.50		2.80		16 VALVE
12006AA410	DISC. 11-787		99.50	1.20	1.50		2.80		16 VALVE
12006AA410	DISC. 11-787		99.50	1.20	1.50		2.80		16 VALVE
SUBARU - CONTINUED									

U.S. APPLICATIONS

PISTON RINGS

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ENGINE SIZE			MODEL NAME	YEAR	C Y L	ENGINE CODE NUMBER	F.I. CARB DIESEL	O.H.V. S.O.H.C. D.O.H.C.	RING REFERENCE NUMBER	NOA PISTON RING #
cc	L	ci								
SUBARU										
2457	2.5L	150	BAJA	2003 - 2005	H4	EJ251	F.I.	S.O.H.C.	12033AB010	SWF20066
2457	2.5L	150	FORESTER	1999 - 2003	H4	EJ251	F.I.	S.O.H.C.	12033AB010	SWF20066
2457	2.5L	150	IMPREZA	2000 - 2005	H4	EJ251	F.I.	S.O.H.C.	12033AB010	SWF20066
2457	2.5L	150	LEGACY	2000 - 2005	H4	EJ251	F.I.	S.O.H.C.	12033AB010	SWF20066
2457	2.5L	150	OUTBACK H4	2000 - 2004	H4	EJ251	F.I.	S.O.H.C.	12033AB010	SWF20066
2457	2.5L	150	LEGACY	2000 ONLY	H4	EJ252	F.I.	S.O.H.C.	12033AB010	SWF20066
2457	2.5L	150	OUTBACK H4	2000 ONLY	H4	EJ252	F.I.	S.O.H.C.	12033AB010	SWF20066
2457	2.5L	150	LEGACY	2004 ONLY	H4	EJ259	F.I.	S.O.H.C.	12033AB010	SWF20066
2457	2.5L	150	FORESTER	2006 - 2010	H4	EJ253	F.I.	S.O.H.C.	12033AB250	SWF20068
2457	2.5L	150	FORESTER	2006 - 2010	H4	EJ253	F.I.	S.O.H.C.	12033AB250	SWF20068
2457	2.5L	150	IMPREZA	2006 - 2011	H4	EJ253	F.I.	S.O.H.C.	12033AB250	SWF20068
2457	2.5L	150	IMPREZA	2006 - 2011	H4	EJ253	F.I.	S.O.H.C.	12033AB250	SWF20068
2457	2.5L	150	LEGACY	2006 - 2009	H4	EJ253	F.I.	S.O.H.C.	12033AB250	SWF20068
2457	2.5L	150	LEGACY	2006 - 2009	H4	EJ253	F.I.	S.O.H.C.	12033AB250	SWF20068
2457	2.5L	150	OUTBACK H4	2006 - 2009	H4	EJ253	F.I.	S.O.H.C.	12033AB250	SWF20068
2457	2.5L	150	OUTBACK H4	2006 - 2009	H4	EJ253	F.I.	S.O.H.C.	12033AB250	SWF20068
2457	2.5L	150	BAJA	2004 - 2006	H4	EJ255	F.I.	D.O.H.C.	12033AB340	SWF20068
2457	2.5L	150	FORESTER	2004 - 2012	H4	EJ255	F.I.	D.O.H.C.	12033AB340	SWF20068
2457	2.5L	150	IMPREZA	2006 - 2012	H4	EJ255	F.I.	D.O.H.C.	12033AB340	SWF20068
2457	2.5L	150	IMPREZA WRX	2007 - 2012	H4	EJ255	F.I.	D.O.H.C.	12033AB340	SWF20068
2457	2.5L	150	LEGACY	2005 - 2009	H4	EJ255	F.I.	D.O.H.C.	12033AB340	SWF20068
2457	2.5L	150	LEGACY	2010 - 2012	H4	EJ255	F.I.	D.O.H.C.	12033AB340	SWF20068
2457	2.5L	150	OUTBACK H4	2005 - 2009	H4	EJ255	F.I.	D.O.H.C.	12033AB340	SWF20068
2457	2.5L	150	IMPREZA WRX STi	2004 - 2007	H4	EJ257	F.I.	D.O.H.C.	12033AB340	SWF20068
2457	2.5L	150	IMPREZA WRX STi	2008 - 2010	H4	EJ257	F.I.	D.O.H.C.	12033AC000	SWF20068
2457	2.5L	150	LEGACY	2005 - 2006	H4	EJ257	F.I.	D.O.H.C.	12033AB340	SWF20068
2457	2.5L	150	OUTBACK H4	2005 - 2006	H4	EJ257	F.I.	D.O.H.C.	12033AB340	SWF20068
2468	2.5L	151	FORESTER	2012 - 2015	H6	FB25	F.I.	D.O.H.C.	12033AC240	NA
2468	2.5L	151	FORESTER	2012 - 2015	H6	FB25	F.I.	D.O.H.C.	12033AC240	NA
2468	2.5L	151	IMPREZA WRX STi	2013 - 2015	H6	FB25	F.I.	D.O.H.C.	12033AC240	NA
2468	2.5L	151	IMPREZA WRX STi	2013 - 2015	H6	FB25	F.I.	D.O.H.C.	12033AC240	NA
2468	2.5L	151	LEGACY	2013 - 2015	H6	FB25	F.I.	D.O.H.C.	12033AC240	NA
2468	2.5L	151	LEGACY	2013 - 2015	H6	FB25	F.I.	D.O.H.C.	12033AC240	NA
2468	2.5L	151	OUTBACK H4	2013 - 2015	H6	FB25	F.I.	D.O.H.C.	12033AC240	NA
2468	2.5L	151	OUTBACK H4	2013 - 2015	H6	FB25	F.I.	D.O.H.C.	12033AC240	NA
2999	3.0L	183	LEGACY	2008 - 2010	H6	EZ30	F.I.	D.O.H.C.	12033AB130	SWF20070
2999	3.0L	183	OUTBACK H6	2001 - 2010	H6	EZ30	F.I.	D.O.H.C.	12033AB130	SWF20070
SUBARU - CONTINUED										

PISTONS

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PISTON REFERENCE NUMBER	NOA PISTON #	HEAD PAGE #	DIA. mm	1 S T	2 N D	3 R D	O 1	O 2	REMARK
SUBARU									
12006AC070	11-788	325	99.50	1.20	1.20		2.50		16 VALVE
12006AC070	11-788	325	99.50	1.20	1.20		2.50		16 VALVE
12006AC070	11-788	325	99.50	1.20	1.20		2.50		16 VALVE
12006AC070	11-788	325	99.50	1.20	1.20		2.50		16 VALVE
12006AC070	11-788	325	99.50	1.20	1.20		2.50		16 VALVE
12006AB470	11-788	325	99.50	1.20	1.20		2.50		16 VALVE
12006AB470	11-788	325	99.50	1.20	1.20		2.50		16 VALVE
12006AB470	11-788	325	99.50	1.20	1.20		2.50		16 VALVE
12013AB250	11-921	325	99.50	1.20	1.20		2.50		RIGHT, 16 VALVE
12018AB250	11-921	325	99.50	1.20	1.20		2.50		LEFT, 16 VALVE
12013AB250	11-921	325	99.50	1.20	1.20		2.50		RIGHT, 16 VALVE
12018AB250	11-921	325	99.50	1.20	1.20		2.50		LEFT, 16 VALVE
12013AB250	11-921	325	99.50	1.20	1.20		2.50		RIGHT, 16 VALVE
12018AB250	11-921	325	99.50	1.20	1.20		2.50		LEFT, 16 VALVE
12013AB250	11-921	325	99.50	1.20	1.20		2.50		RIGHT, 16 VALVE
12018AB250	11-921	325	99.50	1.20	1.20		2.50		LEFT, 16 VALVE
12006AD210	11-910	352	99.50	1.20	1.20		2.00		w/ TURBO, 16 VALVE
12006AD210	11-910	352	99.50	1.20	1.20		2.00		w/ TURBO, 16 VALVE
12006AD210	11-910	352	99.50	1.20	1.20		2.00		w/ TURBO, 16 VALVE
12006AD210	11-910	352	99.50	1.20	1.20		2.00		w/ TURBO, 16 VALVE
12006AD210	11-910	352	99.50	1.20	1.20		2.00		w/ TURBO, 16 VALVE
12006AD810	11-910	352	99.50	1.20	1.20		2.00		w/ TURBO, 16 VALVE
12006AD210	11-910	352	99.50	1.20	1.20		2.00		w/ TURBO, 16 VALVE
12006AC390	11-911	352	99.50	1.20	1.20		2.00		w/ TURBO, 16 VALVE
12006AC390	11-911	352	99.50	1.20	1.20		2.00		w/ TURBO, 16 VALVE
12006AC390	11-911	352	99.50	1.20	1.20		2.00		w/ TURBO, 16 VALVE
12006AC390	11-911	352	99.50	1.20	1.20		2.00		w/ TURBO, 16 VALVE
12013AB530	NA		94.00						RIGHT, 16 VALVE
12018AB530	NA		94.00						LEFT, 16 VALVE
12013AB530	NA		94.00						RIGHT, 16 VALVE
12018AB530	NA		94.00						LEFT, 16 VALVE
12013AB530	NA		94.00						RIGHT, 16 VALVE
12018AB530	NA		94.00						LEFT, 16 VALVE
12013AB530	NA		94.00						RIGHT, 16 VALVE
12018AB530	NA		94.00						LEFT, 16 VALVE
12206AB830	NA		89.20	1.20	1.20		2.50		24 VALVE
12006AB830	NA		89.20	1.20	1.20		2.50		R Models, 24 VALVE
SUBARU - CONTINUED									

U.S. APPLICATIONS

PISTON RINGS

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ENGINE SIZE			MODEL NAME	YEAR	C Y L	ENGINE CODE NUMBER	F.I. CARB DIESEL	O.H.V. S.O.H.C. D.O.H.C.	RING REFERENCE NUMBER	NOA PISTON RING #
cc	L	ci								
SUBARU										
2999	3.0L	183	B9 TRIBECA	2005 - 2007	H6	EZ30	F.I.	D.O.H.C.	12033AB130	SWF20070
3318	3.3L	202	SVX	1991 - 1997	H6	EG33	F.I.	D.O.H.C.	12033AA450	SWF20058
3318	3.3L	202	SVX	1991 - 1997	H6	EG33	F.I.	D.O.H.C.	12033AA450	SWF20058
3629	3.6L	221	B9 TRIBECA	2008 - 2015	H6	EZ36	F.I.	D.O.H.C.	12033AC060	SWF20069
3629	3.6L	221	LEGACY	2010 - 2015	H6	EZ36	F.I.	D.O.H.C.	12033AC060	SWF20069
3629	3.6L	221	OUTBACK H6	2010 - 2015	H6	EZ36	F.I.	D.O.H.C.	12033AC060	SWF20069
SUBARU - END										

U.S. APPLICATIONS

PISTON RINGS

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ENGINE SIZE			MODEL NAME	YEAR	C Y L	ENGINE CODE NUMBER	F.I. CARB DIESEL	O.H.V. S.O.H.C. D.O.H.C.	RING REFERENCE NUMBER	NOA PISTON RING #
cc	L	ci								
SUZUKI										
1298	1.3L	79	SAMURAI	1989 - 1992	4	G13BA	F.I.	S.O.H.C.	12140-82X50	SWS20143
1298	1.3L	79	SWIFT	1989 - 1997	4	G13BA	F.I.	S.O.H.C.	12140-82X50	SWS20143
1298	1.3L	79	SAMURAI	1993 - 1996	4	G13BA	F.I.	S.O.H.C.	12140-82X50	SWS20143
1298	1.3L	79	SWIFT	1989 - 1994	4	G13K	F.I.	D.O.H.C.	12140-82X50	SWS20143
1298	1.3L	79	SWIFT	1998 - 2001	4	G13BB	F.I.	S.O.H.C.	12140-63E50	SWS20186
1324	1.3L	81	SAMURAI	1986 - 1988	4	G13A	CARB	S.O.H.C.	12140-82X50	SWS20141
1324	1.3L	81	SIDEKICK	1989 ONLY	4	G13A	CARB	S.O.H.C.	12140-82X50	SWS20143
1590	1.6L	97	SIDEKICK	1989 - 1995	4	G16A	F.I.	S.O.H.C.	12140-60A50	SWS20142
1590	1.6L	97	SIDEKICK	1989 - 1997	4	G16A	F.I.	S.O.H.C.	12140-60A50	SWS20142
1590	1.6L	97	X-90	1996 - 1998	4	G16KV	F.I.	S.O.H.C.	12140-60A50	SWS20142
1590	1.6L	97	ESTEEM	1998 - 2001	4	G16S	F.I.	S.O.H.C.	12140-61G50	SWS20190
1590	1.6L	97	SIDEKICK	1998 ONLY	4	G16S	F.I.	S.O.H.C.	12140-61G50	SWS20190
1590	1.6L	97	VITARA	1999 - 2001	4	G16S	F.I.	S.O.H.C.	12140-61G50	SWS20190
1590	1.6L	97	ESTEEM	1995 - 1997	4	G16S	F.I.	S.O.H.C.	12140-61G00	SWS20190
1840	1.8L	112	ESTEEM	1999 - 2002	4	J18A	F.I.	D.O.H.C.	12140-86FA0	SWS20178
1840	1.8L	112	GRAND VITARA	1999 ONLY	4	J18A	F.I.	D.O.H.C.	12140-86FA0	SWS20178
1840	1.8L	112	SIDEKICK	1996 - 1998	4	J18A	F.I.	D.O.H.C.	12140-86FA0	SWS20178
1995	2.0L	122	AERIO	2002 - 2003	4	J20A	F.I.	D.O.H.C.	12140-86FA0	SWS20178
1995	2.0L	122	GRAND VITARA	1999 ONLY	4	J20A	F.I.	D.O.H.C.	12140-86FA0	SWS20178
1995	2.0L	122	VITARA	1999 - 2004	4	J20A	F.I.	D.O.H.C.	12140-86FA0	SWS20178
1995	2.0L	122	SX-4	2007 - 2012	4	J20B	F.I.	D.O.H.C.	12140-65J00	SWS20216
1995	2.0L	122	SX-4 CROSSOVER	2007 - 2012	4	J20B	F.I.	D.O.H.C.	12140-65J00	SWS20216
1998	2.0L	122	FORENZA	2003 - 2008	4	KL5J	F.I.	D.O.H.C.	12140-85Z00	SWG10019
1998	2.0L	122	RENO	2005 - 2008	4	KL5J	F.I.	D.O.H.C.	12140-85Z00	SWG10019
2290	2.3L	140	AERIO	2004 - 2008	4	J23A	F.I.	D.O.H.C.	12140-59J00	NA
2393	2.4L	146	GRAND VITARA	2009 - 2012	4	J24B	F.I.	D.O.H.C.	12140-78K00	SWS20215
2393	2.4L	146	KIZASHI	2010 - 2012	4	J24B	F.I.	D.O.H.C.	12140-78K00	SWS20215
2488	2.5L	152	EQUATOR	2009 - 2012	4	QR25DE	F.I.	D.O.H.C.	12033-EA00B	SWN30140
2492	2.5L	152	VERONA	2004 - 2008	6	KL5V	F.I.	D.O.H.C.	12140-86Z00	NA
2494	2.5L	152	GRAND VITARA	1999 - 2006	V6	H25A	F.I.	D.O.H.C.	12140-86FA0	SWS20207

PISTONS

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PISTON REFERENCE NUMBER	NOA PISTON #	HEAD PAGE #	DIA. mm	1 S T	2 N D	3 R D	O 1	O 2	REMARK
12100-61840-0A0	11-626	298	74.00	1.20	1.50		2.80		8 VALVE
12100-61840-0A0	11-626	298	74.00	1.20	1.50		2.80		GLX, 8 VALVE
12100-63850-0A0	11-626	298	74.00	1.20	1.50		2.80		8 VALVE
12111-86501-0A0	11-627	298	74.00	1.20	1.50		2.80		Gti, 16 VALVE
12111-63E10-0A0	11-769	322	74.00	1.20	1.20		2.50		16 VALVE
12111-83000-0A0	11-625	298	74.00	1.20	1.50		2.80		8 VALVE
12111-82010-0A0	11-628	299	74.00	1.20	1.50		2.80		8 VALVE
12111-60A02-0A0	11-629	299	75.00	1.20	1.50		2.80		8 VALVE
12100-71820-0A0	11-630	299	75.00	1.20	1.50		2.80		16 VALVE
12100-61850-0B0	DISC. 11-805		75.00	1.20	1.50		2.80		16 VALVE
12100-61850-0A0	NA		75.00	1.20	1.20		2.50		16 VALVE
12100-61850-0A0	NA		75.00	1.20	1.20		2.50		16 VALVE
12100-61850-0A0	NA		75.00	1.20	1.20		2.50		16 VALVE
12111-61G00-0A0	NA		75.00	1.20	1.20		2.50		16 VALVE
12100-86830-0A0	11-775	323	84.00	1.20	1.50		2.50		16 VALVE
12100-86830-0A0	11-775	323	84.00	1.20	1.50		2.50		16 VALVE
12100-86830-0A0	11-775	323	84.00	1.20	1.50		2.50		16 VALVE
12100-65810-0A0	11-775	323	84.00	1.20	1.50		2.50		16 VALVE
12100-65810-0A0	11-775	323	84.00	1.20	1.50		2.50		16 VALVE
12100-65810-0A0	11-775	323	84.00	1.20	1.50		2.50		16 VALVE
12100-65821	NA		84.00	1.20	1.20		2.50		16 VALVE
12100-65821	NA		84.00	1.20	1.20		2.50		16 VALVE
12111-85Z00	NA		86.00	1.20	1.50		2.50		GMC Engine, 16 VALVE
12111-85Z00	NA		86.00	1.20	1.50		2.50		GMC Engine, 16 VALVE
12100-59810-0A0	NA		90.00						16 VALVE
12100-78831-0A0	NA		92.00	1.20	1.00		2.00		16 VALVE
12100-78831-0A0	NA		92.00	1.20	1.00		2.00		16 VALVE
A2010-EA001	11-881	344	89.00	1.20	1.20		2.50		NISSAN Engine, 16 VALVE
12111-86Z00-0A0	NA		77.00						DAEWOO Engine, 24 VALVE
12100-86831-0A0	11-883	345	84.00	1.20	1.50		2.50		24 VALVE

SUZUKI

U.S. APPLICATIONS

PISTON RINGS

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ENGINE SIZE			MODEL NAME	YEAR	CYL	ENGINE CODE NUMBER	F.I. CARB DIESEL	O.H.V. S.O.H.C. D.O.H.C.	RING REFERENCE NUMBER	NOA PISTON RING #
cc	L	ci								
1166	1.2L	71	COROLLA	1973 - 1979	4	3K-C	CARB	O.H.V.	13011-24011	SWT10052
1290	1.3L	79	STARLET	1981 - 1982	4	4K-C	CARB	S.O.H.C.	13011-13030	SWT10052
1290	1.3L	79	STARLET	1983 - 1984	4	4K-E	CARB	S.O.H.C.	13011-13010	SWT10109
1452	1.5L	89	TERCEL	1980 ONLY	4	1A-C	CARB	S.O.H.C.	13011-15011	SWT10078
1452	1.5L	89	TERCEL	1981 - 1990	4	3A-C	CARB	S.O.H.C.	13011-15011	SWT10078
1456	1.5L	89	TERCEL	1986 - 1994	4	3E	CARB	S.O.H.C.	13011-11090	SWT10143
1456	1.5L	89	TERCEL	1988 - 1994	4	3E-E	F.I.	S.O.H.C.	13011-11090	SWT10143
1456	1.5L	89	PASEO	1991 - 1995	4	5E-FE	F.I.	D.O.H.C.	13011-11140	SWT10128
1456	1.5L	89	TERCEL	1995 - 1998	4	5E-FE	F.I.	D.O.H.C.	13011-11160	SWT10128
1496	1.5L	91	ECHO	2000 - 2005	4	1NZ-FE	F.I.	D.O.H.C.	13011-21041	SWT10192
1496	1.5L	91	YARIS	2007 - 2011	4	1NZ-FE	F.I.	D.O.H.C.	13011-21041	SWT10192
1496	1.5L	91	YARIS	2012 - 2015	4	1NZ-FE	F.I.	D.O.H.C.	13011-21120	SWT10192
1497	1.5L	91	PRIUS HYBRID	1999 - 2004	4	1NZ-FXE	F.I.	D.O.H.C.	13011-21070	SDT10222
1497	1.5L	91	PRIUS HYBRID	2005 - 2009	4	1NZ-FXE	F.I.	D.O.H.C.	13011-21100	SWT10229
1497	1.5L	91	PRIUS HYBRID C	2011 - 2015	4	1NZ-FXE	F.I.	D.O.H.C.	13011-21110	SWT10229
1587	1.6L	97	COROLLA	1983 - 1987	4	4A-C	CARB	S.O.H.C.	13011-16011	SWT10108
1587	1.6L	97	COROLLA	1984 - 1989	4	4A-LC	CARB	S.O.H.C.	13011-16011	SWT10108
1587	1.6L	97	COROLLA	1985 - 1987	4	4A-GEC	F.I.	D.O.H.C.	13011-16170	SWT10108
1587	1.6L	97	COROLLA	1987 ONLY	4	4A-GELC	F.I.	D.O.H.C.	13011-16170	SWT10108
1587	1.6L	97	MR2	1985 - 1987	4	4A-GELC	F.I.	D.O.H.C.	13011-16170	SWT10108
1587	1.6L	97	COROLLA	1988 - 1990	4	4A-GE	F.I.	D.O.H.C.	13011-16170	SWT10108
1587	1.6L	97	COROLLA	1988 - 1989	4	4A-GELC	F.I.	D.O.H.C.	13011-16170	SWT10108
1587	1.6L	97	MR2	1988 - 1989	4	4A-GELC	F.I.	D.O.H.C.	13011-16170	SWT10108
1587	1.6L	97	MR2	1988 - 1989	4	4A-GELC	F.I.	D.O.H.C.	13011-16090	SWT10145
1587	1.6L	97	CELICA	1990 - 1992	4	4A-FE	F.I.	D.O.H.C.	13011-16130	SWT10142
1587	1.6L	97	COROLLA	1988 - 1991	4	4A-F	CARB	D.O.H.C.	13011-16130	SWT10142
1587	1.6L	97	COROLLA	1988 - 1992	4	4A-FE	F.I.	D.O.H.C.	13011-16130	SWT10142
1587	1.6L	97	COROLLA	1993 - 1997	4	4A-FE	F.I.	D.O.H.C.	13011-16300	SWT10156
1588	1.6L	97	CARINA	1972 - 1973	4	2T-C	CARB	O.H.V.	13011-26020	SWT10040
1588	1.6L	97	COROLLA	1973 - 1977	4	2T-C	CARB	O.H.V.	13011-36020	SWT10040

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PISTON REFERENCE NUMBER	NOA PISTON #	HEAD PAGE #	DIA. mm	1 S T	2 N D	3 R D	O 1	O 2	REMARK
TOYOTA									
13101-24010	11-140	283	75.00	2.00	2.00		4.00		
13101-24011-02	11-140	283	75.00	2.00	2.00		4.00		
13101-13021	11-141	283	75.00	1.50	1.50		4.00		
13101-15010	11-142	284	77.50	1.50	1.50		2.80		8 VALVE
13101-15020-02	11-143	284	77.50	1.50	1.50		2.80		8 VALVE
13101-11081-02	11-650	303	73.00	1.50	1.50		3.00		12 VALVE
13101-11081-02	11-650	303	73.00	1.50	1.50		3.00		12 VALVE
13101-11131-01	11-656	304	74.00	1.20	1.20		3.00		16 VALVE
13101-11161-01	11-656	304	74.00	1.20	1.20		3.00		w/ CALIF E.C.S., 16 VALVE
13101-21030	11-776	324	75.00	1.20	1.20		2.00		16 VALVE
13101-21030	11-776	324	75.00	1.20	1.20		2.00		16 VALVE
13101-21160	11-776	324	75.00	1.20	1.20		2.00		16 VALVE
13101-21070	11-895	348	75.00	1.20	1.20		2.00		16 VALVE
13101-21110	NA		75.00	0.80	1.00		1.50		16 VALVE
13101-21130	NA		75.00	0.80	1.00		1.50		16 VALVE
13103-16010	11-144	284	81.00	1.50	1.50		2.80		R.W.D., 8 VALVE
13103-16010	11-144	284	81.00	1.50	1.50		2.80		F.W.D., 8 VALVE
13101-16020-02	11-659	304	81.00	1.50	1.50		2.80		16 VALVE
13101-16020-02	11-659	304	81.00	1.50	1.50		2.80		16 VALVE
13101-16020-02	11-659	304	81.00	1.50	1.50		2.80		16 VALVE
13101-16070-01	11-660	304	81.00	1.50	1.50		2.80		16 VALVE
13101-16070-01	11-660	304	81.00	1.50	1.50		2.80		16 VALVE
13101-16070-01	11-660	304	81.00	1.50	1.50		2.80		16 VALVE
13101-16100-01	NA		81.00	1.50	1.50		2.80		w/ TURBO
13101-16090-01	11-649	302	81.00	1.50	1.50		3.00		16 VALVE
13101-16090-01	11-649	302	81.00	1.50	1.50		3.00		16 VALVE
13101-16090-01	11-649	302	81.00	1.50	1.50		3.00		16 VALVE
13101-16160-01	11-714	311	81.00	1.20	1.50		3.00		16 VALVE
13101-26011	11-145	284	85.00	2.00	2.00		4.00		OE STYLE SET
13101-26011	11-145	284	85.00	2.00	2.00		4.00		w/o CALIF E.C.S.

U.S. APPLICATIONS

PISTON RINGS

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ENGINE SIZE			MODEL NAME	YEAR	CYL	ENGINE CODE NUMBER	F.I. CARB DIESEL	O.H.V. S.O.H.C. D.O.H.C.	RING REFERENCE NUMBER	NOA PISTON RING #
cc	L	ci								
1588	1.6L	97	COROLLA	1973 - 1976	4	2T-C	CARB	O.H.V.	13011-36020	SWT10040
1588	1.6L	97	CARINA	1972 - 1973	4	2T-C	CARB		13011-28030	SWT10059
1588	1.6L	97	COROLLA	1978 - 1979	4	2T-C	CARB	O.H.V.	13011-28030	SWT10059
1588	1.6L	97	COROLLA	1978 - 1979	4	2T-C	CARB	O.H.V.	13011-28030	SWT10059
1762	1.8L	108	CELICA	1993 - 1997	4	7A-FE	F.I.	D.O.H.C.	13011-16300	SWT10156
1762	1.8L	108	COROLLA	1993 - 1997	4	7A-FE	F.I.	D.O.H.C.	13011-16340	SWT10156
1770	1.8L	108	COROLLA	1980 - 1982	4	3T-C	CARB	O.H.V.	13011-28030	SWT10059
1794	1.8L	109	CELICA	2000 - 2006	4	1ZZ-FE	F.I.	D.O.H.C.	13011-22040	SWT10183
1794	1.8L	109	COROLLA	1998 - 1999	4	1ZZ-FE	F.I.	D.O.H.C.	13011-22040	SWT10183
1794	1.8L	109	MATRIX	2002 - 2008	4	1ZZ-FE	F.I.	D.O.H.C.	13011-22040	SWT10183
1794	1.8L	109	COROLLA	2000 ONLY	4	1ZZ-FE	F.I.	D.O.H.C.	13011-0D010	SWT10183
1794	1.8L	109	COROLLA	2001 - 2008	4	1ZZ-FE	F.I.	D.O.H.C.	13011-0D010	SWT10183
1794	1.8L	109	MR2 SPYDER	2000 - 2006	4	1ZZ-FE	F.I.	D.O.H.C.	13011-22150	SWT10183
1796	1.8L	110	CELICA	2000 - 2006	4	2ZZ-EE	F.I.	D.O.H.C.	13011-88601	SWT10196
1796	1.8L	110	MATRIX	2002 - 2006	4	2ZZ-GE	F.I.	D.O.H.C.	13011-88601	SWT10196
1798	1.8L	110	COROLLA	2009 - 2015	4	2ZR-FE	F.I.	D.O.H.C.	13011-0T010	SWT10232*
1798	1.8L	110	MATRIX	2009 - 2013	4	2ZR-FE	F.I.	D.O.H.C.	13011-0T010	SWT10232*
1798	1.8L	110	PRIUS HYBRID	2010 - 2015	4	2ZR-FXE	F.I.	D.O.H.C.	13011-37110	SWT10232
1798	1.8L	110	PRIUS HYBRID V	2012 - 2015	4	2ZR-FXE	F.I.	D.O.H.C.	13011-37110	SWT10232
1839	1.8L	112	COROLLA	1984 - 1985	4	1CL-LC	DIESEL		13011-64070	SDT10081
1839	1.8L	112	CAMRY	1984 - 1985	4	1CL-LTC	DIESEL		13011-64070	SDT10081
1858	1.9L	113	CELICA	1971 ONLY	4	8R-C	CARB		13011-33022	SWT10019
1858	1.9L	113	CORONA	1970 - 1971	4	8R-C	CARB		13011-33022	SWT10019
1897	1.9L	116	CORONA	1968 - 1969	4	3R-C	CARB		13011-40010	SWT10022
1968	2.0L	120	CELICA	1972 - 1974	4	18R-C	CARB		13011-38020	SWT10043
1968	2.0L	120	CORONA	1973 - 1974	4	18R-C	CARB		13011-38020	SWT10043
1968	2.0L	120	PICKUP	1972 - 1974	4	18R-C	CARB		13011-38020	SWT10043
1974	2.0L	120	CAMRY	1986 - 1987	4	2CT-LC	DIESEL		13011-64150	SDT10096
1995	2.0L	122	CAMRY	1983 - 1986	4	2SE-LC	F.I.	S.O.H.C.	13011-74021	SWT10088
1995	2.0L	122	CELICA	1986 ONLY	4	2SE-LC	F.I.	S.O.H.C.	13011-74021	SWT10088

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PISTON REFERENCE NUMBER	NOA PISTON #	HEAD PAGE #	DIA. mm	1 S T	2 N D	3 R D	O 1	O 2	REMARK
TOYOTA									
13101-26021	DISC. 11-146		85.00	2.00	2.00		4.00		w/ CALIF E.C.S.
13101-26040	DISC. 11-147		85.00	1.50	1.50		4.00		REPLACEMENT SET
13101-26040	DISC. 11-147		85.00	1.50	1.50		4.00		8 VALVE
13101-26031	DISC. 11-148		85.00	1.50	1.50		4.00		w/o CALIF E.C.S., w/o ALF E.C.S.
13101-16150-01	11-713	311	81.00	1.20	1.50		3.00		16 VALVE
13101-16150-01	11-713	311	81.00	1.20	1.50		3.00		16 VALVE
13101-28010	11-149	285	85.00	1.50	1.50		4.00		8 VALVE
13101-22020	11-756	320	79.00	1.20	1.20		3.00		GT, 16 VALVE
13101-22020	11-756	320	79.00	1.20	1.20		3.00		16 VALVE
13101-22020	11-756	320	79.00	1.20	1.20		3.00		XR, 16 VALVE
13101-22140	11-777	324	79.00	1.20	1.20		3.00		16 VALVE
13101-0D040	11-777	324	79.00	1.20	1.20		3.00		16 VALVE
13101-22031	DISC. 11-148		79.00	1.20	1.20		3.00		16 VALVE
13101-88601	11-802	328	82.00	1.20	1.20		3.00		GT-S, 16 VALVE
13101-88601	11-802	328	82.00	1.20	1.20		3.00		XRS, 16 VALVE
13101-0T010	NA		80.50	1.00	1.00		1.50		16 VALVE
13101-0T010	NA		80.50	1.00	1.00		1.50		16 VALVE
13101-37120	NA		80.50	1.00	1.00		1.50		16 VALVE
13101-37120	NA		80.50	1.00	1.00		1.50		16 VALVE
13101-64010	DISC. 11-150		83.00	2.00	2.00		4.00		
13101-64040	DISC. 11-150		83.00	2.00	2.00		4.00		
13101-33010	DISC. 11-151		86.00	2.00	2.50		4.00		
13101-33010	DISC. 11-151		86.00	2.00	2.50		4.00		
13101-40010	DISC. 11-152		88.00	2.50	2.50		5.00		
13101-34030	11-153	285	88.50	2.00	2.50		4.00		
13101-34030	11-153	285	88.50	2.00	2.50		4.00		
13101-34030	11-153	285	88.50	2.00	2.50		4.00		
13101-64070-02	DISC. 11-655		86.00	2.00	2.00		4.00		
13101-74010	DISC. 11-154		84.00	1.50	1.50		4.00		8 VALVE
13101-74010	DISC. 11-154		84.00	1.50	1.50		4.00		8 VALVE

U.S. APPLICATIONS

PISTON RINGS

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ENGINE SIZE			MODEL NAME	YEAR	C Y L	ENGINE CODE NUMBER	F.I. CARB DIESEL	O.H.V. S.O.H.C. D.O.H.C.	RING REFERENCE NUMBER	NOA PISTON RING #
cc	L	ci								
TOYOTA										
1998	2.0L	122	VAN	1984 ONLY	4	3Y-EC	F.I.	O.H.V.	13011-71012	SWT10090
1998	2.0L	122	VAN	1985 ONLY	4	3Y-EC	F.I.	O.H.V.	13011-71012	SWT10090
1998	2.0L	122	CAMRY	1987 - 1991	4	3S-FE	F.I.	D.O.H.C.	13011-74072	SWT10119
1998	2.0L	122	CELICA	1986 - 1989	4	3S-FE	F.I.	D.O.H.C.	13011-74072	SWT10119
1998	2.0L	122	CELICA	1988 - 1989	4	3SG-TE	F.I.	D.O.H.C.	13011-88380	SWT10141
1998	2.0L	122	CELICA	1990 - 1994	4	3SG-TE	F.I.	D.O.H.C.	13011-88381	SWT10141
1998	2.0L	122	MR2	1990 - 1995	4	3SG-TE	F.I.	D.O.H.C.	13011-88380	SWT10141
1998	2.0L	122	CELICA	1986 - 1989	4	3SG-ELC	F.I.	D.O.H.C.	13011-88363	SWT10141
1998	2.0L	122	RAV4	1995 - 1997	4	3S-FE	F.I.	D.O.H.C.	13011-74072	SWT10119
1998	2.0L	122	RAV4	1998 - 2000	4	3S-FE	F.I.	D.O.H.C.	13011-74361	SWT10162
1998	2.0L	122	RAV4	2001 - 2003	4	1AZ-FE	F.I.	D.O.H.C.	13011-28120	SWT10186
1998	2.0L	122	FT-86	2012 - 2015	H4	4UG-FE	F.I.	D.O.H.C.	SU003-00145	NA
1998	2.0L	122	FT-86	2012 - 2015	H4	4UG-FE	F.I.	D.O.H.C.	SU003-00145	NA
2164	2.2L	132	CAMRY	1992 - 1997	4	5S-FE	F.I.	D.O.H.C.	13011-74290	SWT10133
2164	2.2L	132	CELICA	1990 - 1999	4	5S-FE	F.I.	D.O.H.C.	13011-74290	SWT10133
2164	2.2L	132	MR2	1990 - 1995	4	5S-FE	F.I.	D.O.H.C.	13011-74290	SWT10133
2164	2.2L	132	CELICA	1990 - 1991	4	5S-FE	F.I.	D.O.H.C.	13011-74150	SWT10149
2164	2.2L	132	MR2	1990 - 1991	4	5S-FE	F.I.	D.O.H.C.	13011-74150	SWT10149
2164	2.2L	132	CAMRY SOLARA	1998 - 2001	4	5S-FE	F.I.	D.O.H.C.	13011-74370	SWT10166
2164	2.2L	132	CAMRY	1998 - 2001	4	5S-FE	F.I.	D.O.H.C.	13011-74370	SWT10166
2188	2.2L	134	PICKUP	1981 ONLY	4	L	DIESEL		13011-54021	SDT10066
2188	2.2L	134	PICKUP	1982 ONLY	4	L	DIESEL		13011-54080	SDT10082
2188	2.2L	134	PICKUP	1983 ONLY	4	L	DIESEL		13011-54080	SDT10082
2189	2.2L	134	CELICA	1975 - 1980	4	20R	CARB	S.O.H.C.	13011-38020	SWT10043
2189	2.2L	134	CORONA	1975 - 1980	4	20R	CARB	S.O.H.C.	13011-38020	SWT10043
2189	2.2L	134	PICKUP	1975 - 1980	4	20R	CARB	S.O.H.C.	13011-38020	SWT10043
2237	2.2L	137	VAN	1988 - 1989	4	4Y-EC	F.I.	O.H.V.	13011-73032	SWT10111
2237	2.2L	137	VAN	1986 - 1987	4	4Y-EC	F.I.	O.H.V.	13011-73032	SWT10111
2253	2.3L	137	CORONA	1972 ONLY	6	2M	CARB		13011-41015	SXT10004

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PISTON REFERENCE NUMBER	NOA PISTON #	HEAD PAGE #	DIA. mm	1 S T	2 N D	3 R D	O 1	O 2	REMARK
TOYOTA									
13101-73010-02	11-155	285	86.00	1.50	1.50		4.00		8 VALVE
13101-43051-02	11-155	285	86.00	1.50	1.50		4.00		8 VALVE
13101-74112-02	11-644	301	86.00	1.50	1.50		4.00		16 VALVE
13101-74112-02	11-644	301	86.00	1.50	1.50		4.00		16 VALVE
13101-88380-01	11-646	302	86.00	1.20	1.50		4.00		w/ TURBO, 16 VALVE
13101-88381-01	11-647	302	86.00	1.20	1.50		4.00		w/ TURBO, 16 VALVE
13101-88381-01	11-647	302	86.00	1.20	1.50		4.00		w/ TURBO, 16 VALVE
13101-74032-02	11-648	302	86.00	1.20	1.50		4.00		GTS, 16 VALVE
13101-74100-01	11-723	313	86.00	1.50	1.50		4.00		16 VALVE
13101-74191-01	11-795	327	86.00	1.20	1.20		3.00		16 VALVE
13211-28060-A0	11-850	337	86.00	1.20	1.20		2.00		16 VALVE
SU003-00137	NA		86.00	1.20	1.00		2.00		SUBARU Engine, w/ TURBO, RIGHT, 16 VALVE
SU003-00141	NA		86.00	1.20	1.00		2.00		SUBARU Engine, w/ TURBO, LEFT, 16 VALVE
13101-74130-01	11-654	303	87.00	1.50	1.50		4.00		16 VALVE
13101-74130-01	11-654	303	87.00	1.50	1.50		4.00		16 VALVE
13101-74130-01	11-654	303	87.00	1.50	1.50		4.00		16 VALVE
13101-74080-01	11-657	304	87.00	1.50	1.50		3.00		16 VALVE
13101-74080-01	11-657	304	87.00	1.50	1.50		3.00		16 VALVE
13101-03060	11-750	319	87.00	1.20	1.20		3.00		16 VALVE
13101-74240	NA		87.00	1.20	1.20		3.00		16 VALVE
13101-54010	DISC. 11-633		90.00	2.50	2.00		4.00		
13101-54021	11-634	300	90.00	2.00	2.00		4.00		
13101-54040	DISC. 11-635		90.00	2.00	2.00		4.00		
13101-38020	11-157	285	88.50	2.00	2.50		4.00		8 VALVE
13101-38020	11-157	285	88.50	2.00	2.50		4.00		8 VALVE
13101-38020	11-157	285	88.50	2.00	2.50		4.00		8 VALVE
13101-73031-01	11-637	300	91.00	1.50	1.50		4.00		8 VALVE
13101-76012-71	11-637	300	91.00	1.50	1.50		4.00		8 VALVE
13101-42020	DISC. 11-161		75.00	2.00	2.00		4.00		

U.S. APPLICATIONS

PISTON RINGS

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ENGINE SIZE			MODEL NAME	YEAR	CYL	ENGINE CODE NUMBER	F.I. CARB DIESEL	O.H.V. S.O.H.C. D.O.H.C.	RING REFERENCE NUMBER	NOA PISTON RING #
cc	L	ci								
TOYOTA										
2362	2.4L	144	CAMRY	2002 - 2006	4	2AZ-FE	F.I.	D.O.H.C.	13011-28102	SWT10182
2362	2.4L	144	HIGHLANDER	2001 - 2008	4	2AZ-FE	F.I.	D.O.H.C.	13011-28102	SWT10182
2362	2.4L	144	RAV4	2004 - 2005	4	2AZ-FE	F.I.	D.O.H.C.	13011-23100	SWT10182
2362	2.4L	144	CAMRY SOLARA	2002 - 2006	4	2AZ-FE	F.I.	D.O.H.C.	13011-28102	SWT10182
2362	2.4L	144	CAMRY	2007 - 2009	4	2AZ-FE	F.I.	D.O.H.C.	13011-0H031	SDT10200
2362	2.4L	144	CAMRY SOLARA	2007 - 2008	4	2AZ-FE	F.I.	D.O.H.C.	13011-0H031	SDT10200
2362	2.4L	144	COROLLA	2009 - 2010	4	2AZ-FE	F.I.	D.O.H.C.	13011-0H031	SDT10200
2362	2.4L	144	MATRIX	2009 - 2013	4	2AZ-FE	F.I.	D.O.H.C.	13011-0H031	SDT10200
2362	2.4L	144	RAV4	2006 - 2008	4	2AZ-FE	F.I.	D.O.H.C.	13011-0H031	SDT10200
2362	2.4L	144	CAMRY HYBRID	2007 - 2011	4	2AZ-FXE	F.I.	D.O.H.C.	13011-0H031	SDT10200
2366	2.4L	144	4 RUNNER	1984 ONLY	4	20R	CARB	S.O.H.C.	13011-35020	SWT10077
2366	2.4L	144	4 RUNNER	1985 ONLY	4	22R-EC	F.I.	S.O.H.C.	13011-35020	SWT10077
2366	2.4L	144	CELICA	1981 - 1982	4	20R	CARB	S.O.H.C.	13011-35020	SWT10077
2366	2.4L	144	CELICA	1983 - 1985	4	22R-EC	F.I.	S.O.H.C.	13011-35020	SWT10077
2366	2.4L	144	CORONA	1981 - 1982	4	20R	CARB	S.O.H.C.	13011-35020	SWT10077
2366	2.4L	144	PICKUP	1981 - 1985	4	20R	CARB	S.O.H.C.	13011-35020	SWT10077
2366	2.4L	144	PICKUP	1984 - 1985	4	22R-EC	F.I.	S.O.H.C.	13011-35020	SWT10077
2366	2.4L	144	PICKUP	1990 - 1995	4	22R-E	F.I.	S.O.H.C.	13011-35052	SWT10103
2366	2.4L	144	4 RUNNER	1986 - 1995	4	22R-EC	F.I.	S.O.H.C.	13011-35052	SWT10103
2366	2.4L	144	PICKUP	1986 - 1991	4	20R	C & F	S.O.H.C.	13011-35052	SWT10103
2366	2.4L	144	PICKUP	1986 - 1989	4	22R-EC	F.I.	S.O.H.C.	13011-35052	SWT10103
2366	2.4L	144	4 RUNNER	1986 - 1987	4	22R-TEC	F.I.	S.O.H.C.	13011-35041	SWT10103
2366	2.4L	144	PICKUP	1985 - 1989	4	22R-TEC	F.I.	S.O.H.C.	13011-35041	SWT10103
2438	2.4L	149	PREVIA	1990 - 1995	4	2TZ-FE	F.I.	D.O.H.C.	13011-76050	SWT10127
2438	2.4L	149	PREVIA	1995 - 1998	4	2TZ-FZE	F.I.	D.O.H.C.	13011-76050	SWT10127
2438	2.4L	149	TACOMA	1995 - 2004	4	2RZ-FE	F.I.	D.O.H.C.	13011-75040	SWT10139
2446	2.4L	149	PICKUP	1985 ONLY	4	2L-T	DIESEL		13011-54062	SDT10089
2446	2.4L	149	PICKUP	1984 - 1985	4	2L	DIESEL		13011-54062	SDT10089
2494	2.5L	152	CAMRY	2009 - 2015	4	2AR-FE	F.I.	D.O.H.C.	13011-0V010	SDT10226
2494	2.5L	152	RAV4	2009 - 2015	4	2AR-FE	F.I.	D.O.H.C.	13011-0V010	SDT10226
2494	2.5L	152	AVALON HYBRID	2013 - 2015	4	2AR-FXE	F.I.	D.O.H.C.	13011-36070	SDT10226
2494	2.5L	152	CAMRY HYBRID	2011 - 2015	4	2AR-FXE	F.I.	D.O.H.C.	13011-0V010	SDT10226
2507	2.5L	153	CAMRY	1988 - 1991	V6	2VZ-FE	F.I.	D.O.H.C.	13011-62040	SWT10148
2563	2.6L	156	CORONA	1973 - 1976	6	4M	CARB		13011-45021	SXT10041

PISTONS

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PISTON REFERENCE NUMBER	NOA PISTON #	HEAD PAGE #	DIA. mm	1 S T	2 N D	3 R D	O 1	O 2	REMARK
TOYOTA									
13211-28030-A0	11-792	326	88.50	1.20	1.20		2.00		VVT-i, 16 VALVE
13211-28030-A0	11-792	326	88.50	1.20	1.20		2.00		16 VALVE
13211-28030-A0	11-792	326	88.50	1.20	1.20		2.00		16 VALVE
13211-28031-A0	11-792	326	88.50	1.20	1.20		2.00		VVT-i, 16 VALVE
13211-28112-A0	11-896	348	88.50	1.00	1.00		2.00		16 VALVE
13211-28112-A0	11-896	348	88.50	1.00	1.00		2.00		16 VALVE
13211-28112-A0	11-896	348	88.50	1.00	1.00		2.00		XRS, 16 VALVE
13211-28112-A0	11-896	348	88.50	1.00	1.00		2.00		XRS, 16 VALVE
13211-28112-A0	11-896	348	88.50	1.00	1.00		2.00		XRS, 16 VALVE
13211-28121-A0	NA		88.50	1.00	1.00		2.00		16 VALVE
13101-35020	11-241	287	92.00	2.00	2.50		4.00		8 VALVE
13101-35020	11-241	287	92.00	2.00	2.50		4.00		8 VALVE
13101-35020	11-241	287	92.00	2.00	2.50		4.00		8 VALVE
13101-35020	11-241	287	92.00	2.00	2.50		4.00		8 VALVE
13101-35020	11-241	287	92.00	2.00	2.50		4.00		8 VALVE
13101-35020	11-241	287	92.00	2.00	2.50		4.00		8 VALVE
13101-35032-01	11-239	287	92.00	1.50	1.50		4.00		8 VALVE
13101-35032-02	11-239	287	92.00	1.50	1.50		4.00		8 VALVE
13101-35032-02	11-239	287	92.00	1.50	1.50		4.00		8 VALVE
13101-35032-02	11-239	287	92.00	1.50	1.50		4.00		8 VALVE
13101-35050-02	11-677	306	92.00	1.50	1.50		4.00		w/ TURBO, 8 VALVE
13101-35050-02	11-677	306	92.00	1.50	1.50		4.00		w/ TURBO, 8 VALVE
13101-76041	11-636	300	95.00	1.75	1.50		4.00		16 VALVE
13101-76050	11-725	313	95.00	1.75	1.50		4.00		w/ TURBO, 16 VALVE
13101-75071	11-745	318	95.00	1.50	1.50		4.00		16 VALVE
13101-54050-02	11-631	299	92.00	2.00	2.00		4.00		w/ TURBO
13101-54060-02	11-632	300	92.00	2.00	2.00		4.00		
13211-0V012-B0	11-897	348	90.00	1.00	1.00		2.00		VVT-i, 16 VALVE
13211-36032-C0	11-897	348	90.00	1.00	1.00		2.00		VVT-i, 16 VALVE
13211-36060-A0	NA		90.00	1.00	1.00		2.00		VVT-i, 16 VALVE
13211-36060-A0	NA		90.00	1.00	1.00		2.00		VVT-i, 16 VALVE
13101-62020-01	11-651	303	87.50	1.50	1.50		3.00		24 VALVE
13101-45011	DISC. 11-166		80.00	2.00	2.00		4.00		

U.S. APPLICATIONS

PISTON RINGS

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ENGINE SIZE			MODEL NAME	YEAR	C Y L	ENGINE CODE NUMBER	F.I. CARB DIESEL	O.H.V. S.O.H.C. D.O.H.C.	RING REFERENCE NUMBER	NOA PISTON RING #
cc	L	ci								
2563	2.6L	156	CRESSIDA	1978 - 1980	6	4M, 4M-E	CARB		13011-45021	SXT10041
2563	2.6L	156	SUPRA	1979 - 1980	6	4M-E	F.I.		13011-45021	SXT10041
2672	2.7L	163	SIENNA	2011 - 2012	4	1AR-FE	F.I.	D.O.H.C.	13011-0V040	SDT10226
2672	2.7L	163	HIGHLANDER	2009 - 2015	4	1AR-FE	F.I.	D.O.H.C.	13011-0V040	SDT10226
2672	2.7L	163	VENZA	2009 - 2015	4	1AR-FE	F.I.	D.O.H.C.	13011-0V040	SDT10226
2693	2.7L	164	T100	1993 - 1998	4	3RZ-FE	F.I.	D.O.H.C.	13011-75040	SWT10139
2693	2.7L	164	4 RUNNER	1996 - 2000	4	3RZ-FE	F.I.	D.O.H.C.	13011-75040	SWT10139
2693	2.7L	164	TACOMA	1995 - 2004	4	3RZ-FE	F.I.	D.O.H.C.	13011-75041	SWT10139
2693	2.7L	164	4 RUNNER	2010 ONLY	4	2TR-FE	F.I.	D.O.H.C.	13011-75110	SDT10193
2693	2.7L	164	TACOMA	2005 - 2015	4	2TR-FE	F.I.	D.O.H.C.	13011-75110	SDT10193
2759	2.8L	168	CRESSIDA	1984 - 1988	6	5M-GE	F.I.	D.O.H.C.	13011-42060	SWT10079
2759	2.8L	168	SUPRA	1984 - 1987	6	5M-GE	F.I.	D.O.H.C.	13011-42060	SWT10079
2759	2.8L	168	CRESSIDA	1981 - 1982	6	5M-E	F.I.	D.O.H.C.	13011-43031	SXT10072
2759	2.8L	168	SUPRA	1981 ONLY	6	5M-E	F.I.	D.O.H.C.	13011-43031	SXT10072
2759	2.8L	168	CRESSIDA	1983 ONLY	6	5M-GE	F.I.	D.O.H.C.	13011-42060	SWT10079
2759	2.8L	168	SUPRA	1982 - 1983	6	5M-GE	F.I.	D.O.H.C.	13011-42060	SWT10079
2954	3.0L	180	SUPRA	1986 - 1993	6	7M-GTE	F.I.	D.O.H.C.	13011-42011	SWT10115
2954	3.0L	180	SUPRA	1986 - 1992	6	7M-GE	F.I.	D.O.H.C.	13011-42060	SWT10079
2954	3.0L	180	CRESSIDA	1989 - 1992	6	7M-GE	F.I.	D.O.H.C.	13011-42060	SWT10079
2958	3.0L	181	4 RUNNER	1988 - 1995	V6	3VZ-E	F.I.	S.O.H.C.	13011-62060	SWT10144
2958	3.0L	181	4 RUNNER	1988 - 1995	V6	3VZ-E	F.I.	S.O.H.C.	13011-62060	SWT10144
2958	3.0L	181	PICKUP	1988 - 1995	V6	3VZ-E	F.I.	S.O.H.C.	13011-62060	SWT10144
2958	3.0L	181	PICKUP	1988 - 1995	V6	3VZ-E	F.I.	S.O.H.C.	13011-62060	SWT10144
2958	3.0L	181	T100	1992 - 1995	V6	3VZ-E	F.I.	S.O.H.C.	13011-62060	SWT10144
2958	3.0L	181	T100	1992 - 1995	V6	3VZ-E	F.I.	S.O.H.C.	13011-62060	SWT10144
2958	3.0L	181	CAMRY	1992 - 1993	V6	3VZ-E	F.I.	D.O.H.C.	13011-62060	SWT10144
2959	3.0L	181	SUPRA	1993 - 1998	6	2JZ-GTE	F.I.	D.O.H.C.	13011-46051	SWT10134
2995	3.0L	183	AVALON	1995 ONLY	V6	1MZ-FE	F.I.	D.O.H.C.	13011-20022	SWT10177
2995	3.0L	183	AVALON	1995 ONLY	V6	1MZ-FE	F.I.	D.O.H.C.	13011-20022	SWT10177
2995	3.0L	183	CAMRY	1994 - 1997	V6	1MZ-FE	F.I.	D.O.H.C.	13011-20022	SWT10177
2995	3.0L	183	CAMRY	1994 - 1997	V6	1MZ-FE	F.I.	D.O.H.C.	13011-20022	SWT10177
2995	3.0L	183	HIGHLANDER	2001 - 2003	V6	1MZ-FE	F.I.	D.O.H.C.	13011-0A020	SWT10177
2995	3.0L	183	HIGHLANDER	2001 - 2003	V6	1MZ-FE	F.I.	D.O.H.C.	13011-0A020	SWT10177
2995	3.0L	183	SIENNA	1998 - 2003	V6	1MZ-FE	F.I.	D.O.H.C.	13011-0A020	SWT10177
2995	3.0L	183	SIENNA	1998 - 2003	V6	1MZ-FE	F.I.	D.O.H.C.	13011-0A020	SWT10177

PISTONS

RED = NEW INFORMATION

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PISTON REFERENCE NUMBER	NOA PISTON #	HEAD PAGE #	DIA. mm	1 S T	2 N D	3 R D	O 1	O 2	REMARK
13101-45021	DISC. 11-167		80.00	2.00	2.00		4.00		
13101-45021	DISC. 11-167		80.00	2.00	2.00		4.00		
13211-36040-A0	NA		90.00	1.00	1.00		2.00		16 VALVE
13211-36040-A0	NA		90.00	1.00	1.00		2.00		16 VALVE
13211-36040-A0	NA		90.00	1.00	1.00		2.00		16 VALVE
13101-75040	11-724	313	95.00	1.50	1.50		4.00		16 VALVE
13101-75041	11-724	313	95.00	1.50	1.50		4.00		16 VALVE
13101-75041	11-724	313	95.00	1.50	1.50		4.00		16 VALVE
13101-75130	11-880	344	95.00	1.20	1.20		2.00		16 VALVE
13101-75130	11-880	344	95.00	1.20	1.20		2.00		VVT-i, 16 VALVE
13101-43051-02	11-641	301	83.00	1.50	1.50		4.00		12 VALVE
13101-43051-02	11-641	301	83.00	1.50	1.50		4.00		12 VALVE
13101-43011-02	DISC. 11-168		83.00	2.00	2.00		4.00		12 VALVE
13101-43011-02	DISC. 11-168		83.00	2.00	2.00		4.00		12 VALVE
13101-43041-02	DISC. 11-169		83.00	1.50	1.50		4.00		12 VALVE
13101-43041-02	DISC. 11-169		83.00	1.50	1.50		4.00		12 VALVE
13101-42050-02	11-639	301	83.00	1.50	1.50		4.00		w/ TURBO, 24 VALVE
13101-42060	11-642	301	83.00	1.50	1.50		4.00		24 VALVE
13101-42070-01	11-642	301	83.00	1.50	1.50		4.00		24 VALVE
13101-65040-01	11-653	303	87.50	1.50	1.50		4.00		RIGHT, 12 VALVE
13301-65040-01	11-653	303	87.50	1.50	1.50		4.00		LEFT, 12 VALVE
13101-65040-01	11-653	303	87.50	1.50	1.50		4.00		RIGHT, 12 VALVE
13301-65040-01	11-653	303	87.50	1.50	1.50		4.00		LEFT, 12 VALVE
13101-65040-01	11-653	303	87.50	1.50	1.50		4.00		RIGHT, 12 VALVE
13301-65040-01	11-653	303	87.50	1.50	1.50		4.00		LEFT, 12 VALVE
13101-62040-01	11-661	305	87.50	1.50	1.50		4.00		24 VALVE
13101-46091	11-778	324	86.00	1.50	1.50		4.00		w/ TURBO, 24 VALVE
13101-20030	11-720	312	87.50	1.20	1.20		3.00		RIGHT, 24 VALVE
13301-20020	11-720	312	87.50	1.20	1.20		3.00		LEFT, 24 VALVE
13101-20030	11-720	312	87.50	1.20	1.20		3.00		RIGHT, 24 VALVE
13301-20020	11-720	312	87.50	1.20	1.20		3.00		LEFT, 24 VALVE
13101-20030	11-720	312	87.50	1.20	1.20		3.00		RIGHT, 24 VALVE
13301-20020	11-720	312	87.50	1.20	1.20		3.00		LEFT, 24 VALVE
13101-20030	11-720	312	87.50	1.20	1.20		3.00		RIGHT, 24 VALVE
13301-20020	11-720	312	87.50	1.20	1.20		3.00		LEFT, 24 VALVE

TOYOTA

U.S. APPLICATIONS

PISTON RINGS

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ENGINE SIZE			MODEL NAME	YEAR	C Y L	ENGINE CODE NUMBER	F.I. CARB DIESEL	O.H.V. S.O.H.C. D.O.H.C.	RING REFERENCE NUMBER	NOA PISTON RING #
cc	L	ci								
2995	3.0L	183	AVALON	1996 - 2004	V6	1MZ-FE	F.I.	D.O.H.C.	13011-0A020	SWT10177
2995	3.0L	183	AVALON	1996 - 2004	V6	1MZ-FE	F.I.	D.O.H.C.	13011-0A020	SWT10177
2995	3.0L	183	CAMRY	1998 - 2006	V6	1MZ-FE	F.I.	D.O.H.C.	13011-0A020	SWT10177
2995	3.0L	183	CAMRY	1998 - 2006	V6	1MZ-FE	F.I.	D.O.H.C.	13011-0A020	SWT10177
2995	3.0L	183	CAMRY SOLARA	1998 - 2003	V6	1MZ-FE	F.I.	D.O.H.C.	13011-0A020	SWT10177
2995	3.0L	183	CAMRY SOLARA	1998 - 2003	V6	1MZ-FE	F.I.	D.O.H.C.	13011-0A020	SWT10177
2997	3.0L	183	SUPRA	1998 ONLY	6	2JZ-GE	F.I.	D.O.H.C.	13011-46041	SWT10134
2997	3.0L	183	SUPRA	1993 - 1998	6	2JZ-GE	F.I.	D.O.H.C.	13011-46041	SWT10134
3311	3.3L	202	CAMRY	2003 - 2006	V6	3MZ-FE	F.I.	D.O.H.C.	13011-0A030	SWT10228
3311	3.3L	202	CAMRY SOLARA	2003 - 2008	V6	3MZ-FE	F.I.	D.O.H.C.	13011-0A030	SWT10228
3311	3.3L	202	HIGHLANDER	2004 - 2008	V6	3MZ-FE	F.I.	D.O.H.C.	13011-0A031	SWT10228
3311	3.3L	202	HIGHLANDER H	2006 - 2010	V6	3MZ-FXE	F.I.	D.O.H.C.	13011-0A031	SWT10228
3311	3.3L	202	SIENNA	2004 - 2006	V6	3MZ-FE	F.I.	D.O.H.C.	13011-0A040	SWT10228
3378	3.4L	206	4 RUNNER	1996 - 2002	V6	5VZ-FE	F.I.	D.O.H.C.	13011-62100	SWT10178
3378	3.4L	206	T100	1996 - 1999	V6	5VZ-FE	F.I.	D.O.H.C.	13011-62100	SWT10178
3378	3.4L	206	TACOMA	1995 - 2004	V6	5VZ-FE	F.I.	D.O.H.C.	13011-62100	SWT10178
3378	3.4L	206	TUNDRA	1996 - 2005	V6	5VZ-FE	F.I.	D.O.H.C.	13011-62100	SWT10178
3456	3.5L	211	AVALON	2005 ONLY	V6	2GR-FE	F.I.	D.O.H.C.	13011-31140	SDT10194
3456	3.5L	211	AVALON	2006 - 2015	V6	2GR-FE	F.I.	D.O.H.C.	13011-0P040	SDT10194
3456	3.5L	211	CAMRY	2007 - 2015	V6	2GR-FE	F.I.	D.O.H.C.	13011-0P040	SDT10194
3456	3.5L	211	HIGHLANDER	2009 - 2015	V6	2GR-FE	F.I.	D.O.H.C.	13011-0P040	SDT10194
3456	3.5L	211	RAV4	2007 - 2012	V6	2GR-FE	F.I.	D.O.H.C.	13011-31130	SDT10194
3456	3.5L	211	SIENNA	2007 - 2015	V6	2GR-FE	F.I.	D.O.H.C.	13011-0P040	SDT10194
3456	3.5L	211	VENZA	2009 - 2015	V6	2GR-FE	F.I.	D.O.H.C.	13011-0P040	SDT10194
3456	3.5L	211	AVALON HYBRID	2013 - 2015	V6	2GR-FXE	F.I.	D.O.H.C.	13011-31160	SDT10194
3456	3.5L	211	HIGHLANDER H	2011 - 2015	V6	2GR-FXE	F.I.	D.O.H.C.	13011-31160	SDT10194
3878	3.9L	237	LAND CRUISER	1971 ONLY	6	F	CARB		13011-60011	SWT10026
3878	3.9L	237	LAND CRUISER	1972 ONLY	6	F	CARB		13011-60040	SWT10044
3878	3.9L	237	LAND CRUISER	1973 - 1975	6	F	CARB		13011-60040	SWT10044
3955	4.0L	241	TACOMA	2005 - 2015	V6	1GR-FE	F.I.	D.O.H.C.	13011-0P020	SWT10195
3955	4.0L	241	TACOMA X-RUNNER	2005 - 2015	V6	1GR-FE	F.I.	D.O.H.C.	13011-0P020	SWT10195
3955	4.0L	241	4 RUNNER	2003 - 2009	V6	1GR-FE	F.I.	D.O.H.C.	13011-31100	SWT10195
3955	4.0L	241	FJ CRUISER	2006 - 2009	V6	1GR-FE	F.I.	D.O.H.C.	13011-0P020	SWT10195
3955	4.0L	241	4 RUNNER	2010 - 2015	V6	1GR-FE	F.I.	D.O.H.C.	13011-31210	SWT10195
3955	4.0L	241	FJ CRUISER	2010 - 2015	V6	1GR-FE	F.I.	D.O.H.C.	13011-31210	SWT10195
3955	4.0L	241	TUNDRA	2005 - 2015	V6	1GR-FE	F.I.	D.O.H.C.	13011-31210	SWT10195
TOYOTA - CONTINUED										

PISTONS

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PISTON REFERENCE NUMBER	NOA PISTON #	HEAD PAGE #	DIA. mm	1	2	3	O	O	REMARK
				S T	N D	R D	1	2	
13101-0A020	11-720	312	87.50	1.20	1.20		3.00		RIGHT, 24 VALVE
13301-0A020	11-720	312	87.50	1.20	1.20		3.00		LEFT, 24 VALVE
13101-0A020	11-720	312	87.50	1.20	1.20		3.00		RIGHT, 24 VALVE
13301-0A020	11-720	312	87.50	1.20	1.20		3.00		LEFT, 24 VALVE
13101-0A020	11-720	312	87.50	1.20	1.20		3.00		RIGHT, 24 VALVE
13301-0A020	11-720	312	87.50	1.20	1.20		3.00		LEFT, 24 VALVE
13101-46081	11-851	337	86.00	1.50	1.50		4.00		24 VALVE
13101-46031	DISC. 11-770		86.00	1.50	1.50		4.00		24 VALVE
13101-0A040	11-867	341	92.00	1.20	1.20		3.00		SE Model, 24 VALVE
13101-0A040	11-867	341	92.00	1.20	1.20		3.00		SE Model, 24 VALVE
13101-0A040	11-867	341	92.00	1.20	1.20		3.00		VVT-i, 24 VALVE
13101-0A040	11-867	341	92.00	1.20	1.20		3.00		HYBRID, 24 VALVE
13101-0A040	11-867	341	92.00	1.20	1.20		3.00		VVT-i, 24 VALVE
13101-62060-01	11-722	313	93.50	1.50	1.50		4.00		24 VALVE
13101-62060-01	11-722	313	93.50	1.50	1.50		4.00		24 VALVE
13101-62060-01	11-722	313	93.50	1.50	1.50		4.00		24 VALVE
13101-62060-01	11-722	313	93.50	1.50	1.50		4.00		24 VALVE
13101-31090	11-870	342	94.00	1.20	1.20		2.00		24 VALVE
13101-0P053	11-870	342	94.00	1.20	1.20		2.00		24 VALVE
13101-0P053	11-870	342	94.00	1.20	1.20		2.00		24 VALVE
13101-31092-A0	11-870	342	94.00	1.20	1.20		2.00		VVT-i, 24 VALVE
13101-0P053	11-870	342	94.00	1.20	1.20		2.00		24 VALVE
13101-0P053	11-870	342	94.00	1.20	1.20		2.00		VVT-i, 24 VALVE
13101-31092-B0	11-870	342	94.00	1.20	1.20		2.00		24 VALVE
13101-31110-A0	NA		94.00	1.20	1.20		2.00		24 VALVE
13101-31110-A0	NA		94.00	1.20	1.20		2.00		HYBRID, 24 VALVE
13101-60011	11-171	286	90.00	3.00	3.00		4.00	4.00	
13101-60020	DISC. 11-172		90.00	2.00	2.50		4.00	4.00	
13101-60030	DISC. 11-173		90.00	2.00	2.50		4.00	4.00	
13101-0P020	11-871	342	94.00	1.20	1.20		2.00		VVT-i, 24 VALVE
13101-0P020	11-871	342	94.00	1.20	1.20		2.00		VVT-i, 24 VALVE
13101-31030	11-871	342	94.00	1.20	1.20		2.00		VVT-i, 24 VALVE
13101-31030	11-871	342	94.00	1.20	1.20		2.00		VVT-i, 24 VALVE
13101-31120-A0	11-871	342	94.00	1.20	1.20		2.00		DUAL VVT-i, 24 VALVE
13101-31120-A0	11-871	342	94.00	1.20	1.20		2.00		DUAL VVT-i, 24 VALVE
13101-31120-A0	11-871	342	94.00	1.20	1.20		2.00		VVT-i, 24 VALVE
TOYOTA - CONTINUED									

U.S. APPLICATIONS

PISTON RINGS

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ENGINE SIZE			MODEL NAME	YEAR	CYL	ENGINE CODE NUMBER	F.I. CARB DIESEL	O.H.V. S.O.H.C. D.O.H.C.	RING REFERENCE NUMBER	NOA PISTON RING #
cc	L	ci								
TOYOTA										
3956	4.0L	241	LAND CRUISER	1988 - 1992	6	3F-E	F.I.		13011-76013-71	SWT10151
4230	4.2L	258	LAND CRUISER	1974 - 1980	6	2F	CARB		13011-76012-71	SWT10049
4230	4.2L	258	LAND CRUISER	1981 - 1987	6	2F	CARB		13011-76012-71	SWT10049
4477	4.5L	273	LAND CRUISER	1993 - 1995	V6	1FZ-FE	F.I.	D.O.H.C.	13011-66021	SWT10184
4477	4.5L	273	LAND CRUISER	1996 - 1997	V6	1ZF-TE	F.I.	D.O.H.C.	13011-66021	SWT10184
4608	4.6L	281	SEQUOIA	2009 - 2012	V8	1UR-FE	F.I.	D.O.H.C.	13011-0S011	NA
4608	4.6L	281	TUNDRA	2010 - 2015	V8	1UR-FE	F.I.	D.O.H.C.	13011-0S011	NA
4663	4.7L	285	4 RUNNER	2003 - 2005	V8	2UZ-FE	F.I.	D.O.H.C.	13011-50140	SWT10203
4663	4.7L	285	4 RUNNER	2003 - 2005	V8	2UZ-FE	F.I.	D.O.H.C.	13011-50140	SWT10203
4663	4.7L	285	LAND CRUISER	1998 - 2003	V8	2UZ-FE	F.I.	D.O.H.C.	13011-50140	SWT10203
4663	4.7L	285	LAND CRUISER	1998 - 2003	V8	2UZ-FE	F.I.	D.O.H.C.	13011-50140	SWT10203
4663	4.7L	285	SEQUOIA	2001 - 2004	V8	2UZ-FE	F.I.	D.O.H.C.	13011-50140	SWT10203
4663	4.7L	285	SEQUOIA	2001 - 2004	V8	2UZ-FE	F.I.	D.O.H.C.	13011-50140	SWT10203
4663	4.7L	285	TUNDRA	1999 - 2005	V8	2UZ-FE	F.I.	D.O.H.C.	13011-50140	SWT10203
4663	4.7L	285	TUNDRA	1999 - 2005	V8	2UZ-FE	F.I.	D.O.H.C.	13011-50140	SWT10203
4663	4.7L	285	4 RUNNER	2006 - 2010	V8	2UZ-FE	F.I.	D.O.H.C.	13011-50162	SWT10240
4663	4.7L	285	4 RUNNER	2006 - 2010	V8	2UZ-FE	F.I.	D.O.H.C.	13011-50162	SWT10240
4663	4.7L	285	LAND CRUISER	2004 - 2007	V8	2UZ-FE	F.I.	D.O.H.C.	13011-50162	SWT10240
4663	4.7L	285	LAND CRUISER	2004 - 2007	V8	2UZ-FE	F.I.	D.O.H.C.	13011-50162	SWT10240
4663	4.7L	285	SEQUOIA	2005 - 2008	V8	2UZ-FE	F.I.	D.O.H.C.	13011-0F010	SWT10240
4663	4.7L	285	SEQUOIA	2005 - 2008	V8	2UZ-FE	F.I.	D.O.H.C.	13011-0F010	SWT10240
4663	4.7L	285	TUNDRA	2006 - 2009	V8	2UZ-FE	F.I.	D.O.H.C.	13011-50162	SWT10240
4663	4.7L	285	TUNDRA	2006 - 2009	V8	2UZ-FE	F.I.	D.O.H.C.	13011-50162	SWT10240
5663	5.7L	346	LAND CRUISER	2008 - 2015	V8	3UR-FE	F.I.	D.O.H.C.	13011-0S011	NA
5663	5.7L	346	SEQUOIA	2008 - 2015	V8	3UR-FE	F.I.	D.O.H.C.	13011-0S011	NA
5663	5.7L	346	TUNDRA	2007 - 2015	V8	3UR-FE	F.I.	D.O.H.C.	13011-0S011	NA
TOYOTA - END										

PISTONS

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PISTON REFERENCE NUMBER	NOA PISTON #	HEAD PAGE #	DIA. mm	1 S T	2 N D	3 R D	O 1	O 2	REMARK
TOYOTA									
13101-61032-01	11-673	305	94.00	2.00	2.00		4.00		
13101-61020	11-174	286	94.00	2.00	2.50		4.00		
13101-76008-71	11-175	286	94.00	2.00	2.50		4.00		
13101-66040-01	DISC. 11-700		100.00	1.75	2.00		4.00		24 VALVE
13101-66040-01	DISC. 11-700		100.00	1.75	2.00		4.00		24 VALVE
13101-0S020	NA		94.00						32 VALVE
13101-0S020	NA		94.00						32 VALVE
13101-50050-01	11-801	328	94.00	1.50	1.50		4.00		RIGHT, 32 VALVE
13301-50040-01	11-801	328	94.00	1.50	1.50		4.00		LEFT, 32 VALVE
13101-50050-01	11-801	328	94.00	1.50	1.50		4.00		RIGHT, i-Force, 32 VALVE
13301-50040-01	11-801	328	94.00	1.50	1.50		4.00		LEFT, i-Force, 32 VALVE
13101-50050-01	11-801	328	94.00	1.50	1.50		4.00		RIGHT, i-Force, 32 VALVE
13301-50040-01	11-801	328	94.00	1.50	1.50		4.00		LEFT, i-Force, 32 VALVE
13101-50061-01	11-912	352	94.00	1.20	1.20		3.00		RIGHT, 32 VALVE
13301-50061-01	11-912	352	94.00	1.20	1.20		3.00		LEFT, 32 VALVE
13101-50061-01	11-912	352	94.00	1.20	1.20		3.00		RIGHT, i-Force, 32 VALVE
13301-50061-01	11-912	352	94.00	1.20	1.20		3.00		LEFT, i-Force, 32 VALVE
13101-50061-01	11-912	352	94.00	1.20	1.20		3.00		RIGHT, i-Force, 32 VALVE
13301-50061-01	11-912	352	94.00	1.20	1.20		3.00		LEFT, i-Force, 32 VALVE
13101-0S011	NA		94.00						i-Force, 32 VALVE
13101-0S011	NA		94.00						i-Force, 32 VALVE
13101-0S011	NA		94.00						i-Force, 32 VALVE
TOYOTA - END									

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PISTON RINGS

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ENGINE SIZE			MODEL NAME	YEAR	CYL	ENGINE CODE NUMBER	F.I. CARB DIESEL	O.H.V. S.O.H.C. D.O.H.C.	RING REFERENCE NUMBER	NOA PISTON RING #
cc	L	ci								

UD TRUCKS

4730	4.7L	289	1400	2009 - 2010	4	J05D-TF	DIESEL	D.O.H.C.	-	NA
4730	4.7L	289	1800CS	2009 - 2010	4	J05D-TF	DIESEL	D.O.H.C.	-	NA
7013	7.0L	428	1800	2011 - 2015	6	GH7	DIESEL	S.O.H.C.	-	NA
7013	7.0L	428	2000	2011 - 2015	6	GH7	DIESEL	S.O.H.C.	-	NA
7013	7.0L	428	2300DH	2011 - 2015	6	GH7	DIESEL	S.O.H.C.	-	NA
7013	7.0L	428	2300LP	2011 - 2015	6	GH7	DIESEL	S.O.H.C.	-	NA
7013	7.0L	428	2600	2011 - 2015	6	GH7	DIESEL	S.O.H.C.	-	NA
7013	7.0L	428	2600LP	2011 - 2015	6	GH7	DIESEL	S.O.H.C.	-	NA
7013	7.0L	428	3300	2011 - 2015	6	GH7	DIESEL	S.O.H.C.	-	NA
7684	7.7L	469	1800HD	2009 - 2010	6	J08E-UJ	DIESEL	D.O.H.C.	13011-4040A	SDH20102
7684	7.7L	469	2000	2009 - 2010	6	J08E-UJ	DIESEL	D.O.H.C.	13011-4040A	SDH20102
7684	7.7L	469	2300DH	2009 - 2010	6	J08E-UJ	DIESEL	D.O.H.C.	13011-4040A	SDH20102
7684	7.7L	469	2300LP	2009 - 2010	6	J08E-UJ	DIESEL	D.O.H.C.	13011-4040A	SDH20102
7684	7.7L	469	2600	2009 - 2010	6	J08E-UJ	DIESEL	D.O.H.C.	13011-4040A	SDH20102
7684	7.7L	469	2600LP	2009 - 2010	6	J08E-UJ	DIESEL	D.O.H.C.	13011-4040A	SDH20102
7684	7.7L	469	3300	2009 - 2010	6	J08E-UJ	DIESEL	D.O.H.C.	13011-4040A	SDH20102
UD TRUCKS - END										

U.S. APPLICATIONS

PISTON RINGS

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ENGINE SIZE			MODEL NAME	YEAR	CYL	ENGINE CODE NUMBER	F.I. CARB DIESEL	O.H.V. S.O.H.C. D.O.H.C.	RING REFERENCE NUMBER	NOA PISTON RING #
cc	L	ci								
VOLKSWAGEN										
1781	1.8L	109	NEW BEETLE	1999 - 2005	4	AEB	F.I.	D.O.H.C.	058 198 151 B	SWL03456
1781	1.8L	109	PASSAT	1998 - 2005	4	AEB, AWM, ATW	F.I.	D.O.H.C.	058 198 151 B	SWL03456
1781	1.8L	109	GTI	2000 - 2005	4	AEB	F.I.	D.O.H.C.	06B 198 151 B	SWL03456
1781	1.8L	109	JETTA	2000 - 2004	4	AEB, AWP	F.I.	D.O.H.C.	06B 198 151 B	SWL03456
1786	1.8L	109	CORRADO	1990 - 1992	4	PG	F.I.	D.O.H.C.	026 198 151 A	SWL02405 4CYL
1786	1.8L	109	GTI	1987 - 1989	4	PL	F.I.	D.O.H.C.	026 198 151 A	SWL02405 4CYL
1786	1.8L	109	JETTA	1988 - 1989	4	PL	F.I.	D.O.H.C.	026 198 151 A	SWL02405 4CYL
1786	1.8L	109	SCIROCCO	1986 - 1988	4	PL	F.I.	D.O.H.C.	026 198 151 A	SWL02405 4CYL
1786	1.8L	109	CABRIOLET	1990 - 1993	4	2H	F.I.	S.O.H.C.	026 198 151 A	SWL02405 4CYL
1786	1.8L	109	GTI	1985 - 1992	4	HT	F.I.	S.O.H.C.	026 198 151 A	SWL02405 4CYL
1786	1.8L	109	GOLF	1988 - 1992	4	RD	F.I.	S.O.H.C.	026 198 151 A	SWL02405 4CYL
1786	1.8L	109	JETTA	1985 - 1992	4	RD	F.I.	S.O.H.C.	026 198 151 A	SWL02405 4CYL
1896	1.9L	116	JETTA	1996 - 1997	4	1Z	DIESEL	S.O.H.C.	044 198 151	SDL03280 4CYL
1896	1.9L	116	JETTA	1996 - 1997	4	1Z	DIESEL	S.O.H.C.	044 198 151	SDL03280 4CYL
1896	1.9L	116	JETTA	1998 - 2006	4	BRM	DIESEL	S.O.H.C.	038 198 151	SDL03280 4CYL
1896	1.9L	116	JETTA	1998 - 2006	4	BRM	DIESEL	S.O.H.C.	038 198 151	SDL03280 4CYL
1896	1.9L	116	NEW BEETLE	1998 - 2006	4	BEW	DIESEL	S.O.H.C.	038 198 151	SDL03280 4CYL
1896	1.9L	116	NEW BEETLE	1998 - 2006	4	BEW	DIESEL	S.O.H.C.	038 198 151	SDL03280 4CYL
1896	1.9L	116	PASSAT	1996 - 1997	4	1Z	DIESEL	S.O.H.C.	044 198 151 C	SDL03280 4CYL
1896	1.9L	116	PASSAT	1996 - 1997	4	1Z	DIESEL	S.O.H.C.	044 198 151 C	SDL03280 4CYL
1968	2.0L	120	GOLF	2009 - 2012	5	CBAA, CBAB	DIESEL	D.O.H.C.	-	NA
1968	2.0L	120	PASSAT	2004 - 2005	4	BHW	DIESEL	S.O.H.C.	03G 198 151 A	NA
1968	2.0L	120	PASSAT	2004 - 2005	4	BHW	DIESEL	S.O.H.C.	03G 198 151 A	NA
1981	2.0L	121	JETTA	2011 - 2012	4		F.I.	S.O.H.C.	-	NA
1984	2.0L	121	CABRIO	1996 - 2002	4	9A	F.I.	S.O.H.C.	053 198 151 C	SWL03296 4CYL
1984	2.0L	121	GTI	1996 - 1997	4	ABA	F.I.	S.O.H.C.	053 198 151 C	SWL03296 4CYL
1984	2.0L	121	GOLF	1996 - 1997	4	9A	F.I.	S.O.H.C.	053 198 151 C	SWL03296 4CYL
1984	2.0L	121	GOLF	1998 - 2006	4	9A	F.I.	S.O.H.C.	053 198 151 C	SWL03296 4CYL
1984	2.0L	121	JETTA	1996 - 1997	4	AGG, ADY	F.I.	S.O.H.C.	053 198 151 C	SWL03296 4CYL
1984	2.0L	121	JETTA	1998 - 2004	4	AVH, AZG, BEV	F.I.	S.O.H.C.	053 198 151 C	SWL03296 4CYL
1984	2.0L	121	JETTA III	1993 - 1995	4	9A	F.I.	S.O.H.C.	053 198 151 C	SWL03296 4CYL
1984	2.0L	121	JETTA SPORTWAGON	1998 - 2004	4	AVH, AZG, BEV	F.I.	S.O.H.C.	053 198 151 C	SWL03296 4CYL
1984	2.0L	121	PASSAT	1990 - 1992	4	9A	F.I.	S.O.H.C.	053 198 151 C	SWL03296 4CYL
1984	2.0L	121	PASSAT	1993 ONLY	4	9A	F.I.	S.O.H.C.	053 198 151 C	SWL03296 4CYL
1984	2.0L	121	PASSAT	1996 ONLY	4	9A	F.I.	S.O.H.C.	053 198 151 C	SWL03296 4CYL
1984	2.0L	121	GTI	1998 - 2000	4	9A	F.I.	S.O.H.C.	06A 198 151 C	SWL03296 4CYL
1984	2.0L	121	NEW BEETLE	1998 - 2005	4	AVH, AZG, BEV	F.I.	S.O.H.C.	06A 198 151 C	SWL03296 4CYL
1984	2.0L	121	EOS	2007 - 2012	4	BPY	F.I.	D.O.H.C.	06F 198 151 A	SWL03296 4CYL
1984	2.0L	121	JETTA	2006 - 2009	4	BPY	F.I.	D.O.H.C.	06F 198 151 A	SWL03296 4CYL

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PISTON REFERENCE NUMBER	NOA PISTON #	HEAD PAGE #	DIA. mm	1 S T	2 N D	3 R D	O 1	O 2	REMARK
VOLKSWAGEN									
058 107 065 F	11-872	342	81.00	1.50	1.75		2.00		20 VALVE
058 107 065 F	11-872	342	81.00	1.50	1.75		2.00		20 VALVE
06B 107 065 N	11-872	342	81.00	1.50	1.75		2.00		20 VALVE
06B 107 065 N	11-872	342	81.00	1.50	1.75		2.00		20 VALVE
027 107 065	X		81.00	1.50	1.75		3.00		16 VALVE
027 107 065	X		81.00	1.50	1.75		3.00		16 VALVE
027 107 065	X		81.00	1.50	1.75		3.00		16 VALVE
027 107 065	X		81.00	1.50	1.75		3.00		16 VALVE
026 107 065 R	X		81.00	1.50	1.75		3.00		8 VALVE
026 107 065 R	X		81.00	1.50	1.75		3.00		8 VALVE
026 107 065 R	X		81.00	1.50	1.75		3.00		8 VALVE
026 107 065 R	X		81.00	1.50	1.75		3.00		GLI MODELS, 8 VALVE
038 107 065 D 001	X		79.50	1.75	2.00		3.00		CYL #1,2, 8 VALVE
038 107 065 E 001	X		79.50	1.75	2.00		3.00		CYL #3,4, 8 VALVE
038 107 065 D 001	X		79.50	1.75	2.00		3.00		CYL #1,2, 8 VALVE
038 107 065 E 001	X		79.50	1.75	2.00		3.00		CYL #3,4, 8 VALVE
071 107 065 C	X		79.50	1.75	2.00		3.00		CYL #1,2, 8 VALVE
071 107 065 C	X		79.50	1.75	2.00		3.00		CYL #3,4, 8 VALVE
038 107 065 D 001	X		79.50	1.75	2.00		3.00		CYL #1,2, 8 VALVE
038 107 065 E 001	X		79.50	1.75	2.00		3.00		CYL #3,4, 8 VALVE
-	X		81.00						w/ TURBO, 16VALVE
038 107 065 HE 001	X		81.00						CYL #1,2, 8 VALVE
038 107 065 HF 001	X		81.00						CYL #3,4, 8 VALVE
-	X		82.50						8 VALVE
037 107 065 M	11-9000	352	82.50	1.20	1.50		2.00		8 VALVE
037 107 065 M	11-9000	352	82.50	1.20	1.50		2.00		8 VALVE
037 107 065 M	11-9000	352	82.50	1.20	1.50		2.00		8 VALVE
037 107 065 N	11-9000	352	82.50	1.20	1.50		2.00		8 VALVE
037 107 065 M	11-9000	352	82.50	1.20	1.50		2.00		8 VALVE
037 107 065 N	11-9000	352	82.50	1.20	1.50		2.00		8 VALVE
037 107 065 M**	11-9000	352	82.50	1.20	1.50		2.00		8 VALVE
037 107 065 N	11-9000	352	82.50	1.20	1.50		2.00		8 VALVE
037 107 065 M	11-9000	352	82.50	1.20	1.50		2.00		8 VALVE
053 107 065 H	11-9000	352	82.50	1.20	1.50		2.00		8 VALVE
037 107 065 N	11-9000	352	82.50	1.20	1.50		2.00		8 VALVE
06A 107 065 F	X		82.50	1.20	1.50		2.00		8 VALVE
06A 107 065 F	X		82.50	1.20	1.50		2.00		8 VALVE
06D 107 066 C	X		82.50	1.20	1.50		2.00		16 VALVE
07K 107 065 B	X		82.50	1.20	1.50		2.00		16 VALVE

U.S. APPLICATIONS

PISTON RINGS

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RED = NEW INFORMATION

ENGINE SIZE			MODEL NAME	YEAR	C Y L	ENGINE CODE NUMBER	F.I. CARB DIESEL	O.H.V. S.O.H.C. D.O.H.C.	RING REFERENCE NUMBER	NOA PISTON RING #
cc	L	ci								
VOLKSWAGEN										
1984	2.0L	121	CC	2009 - 2012	4	BPY	F.I.	D.O.H.C.	06F 198 151 A	SWL03296 4CYL
1984	2.0L	121	GLI	2008 - 2012	4	BPY	F.I.	D.O.H.C.	06F 198 151 A	SWL03296 4CYL
1984	2.0L	121	GTI	2006 - 2012	4	BPY	F.I.	D.O.H.C.	06F 198 151 A	SWL03296 4CYL
1984	2.0L	121	PASSAT	2006 - 2012	4	BPY	F.I.	D.O.H.C.	06F 198 151 A	SWL03296 4CYL
1984	2.0L	121	TIGUAN	2009 - 2012	4	BPY	F.I.	D.O.H.C.	06F 198 151 A	SWL03296 4CYL
2480	2.5L	151	GOLF	2010 - 2012	5	BGQ	F.I.	D.O.H.C.	06F 198 151 A	SWL03296 5CYL
2480	2.5L	151	JETTA	2005 - 2012	5	BGP, BPQ	F.I.	D.O.H.C.	06F 198 151 A	SWL03296 5CYL
2480	2.5L	151	JETTA SPORTWAGON	2009 - 2012	5	BGP, BPQ	F.I.	D.O.H.C.	06F 198 151 A	SWL03296 5CYL
2480	2.5L	151	NEW BEETLE	2006 - 2012	5	BPR, BPS	F.I.	D.O.H.C.	06F 198 151 A	SWL03296 5CYL
2480	2.5L	151	RABBIT	2006 - 2009	5	BGP, BGQ	F.I.	D.O.H.C.	06D 198 151 C	SWL03296 5CYL
2771	2.8L	169	PASSAT	1998 - 2005	V6	ALG	F.I.	D.O.H.C.	06A 198 151 C	SWL03296 6CYL
2995	3.0L	183	TOUAREG II HYBRID	2009 - 2012	V6		F.I.	D.O.H.C.	-	NA
3598	3.6L	220	CC	2009 - 2012	V6	3.6 VR6 FSI	F.I.	D.O.H.C.	03H 198 151 B	NA
3598	3.6L	220	CC	2009 - 2012	V6	3.6 VR6 FSI	F.I.	D.O.H.C.	03H 198 151 B	NA
3598	3.6L	220	PASSAT	2006 - 2008	V6	BHK	F.I.	D.O.H.C.	03H 198 151 B	NA
3598	3.6L	220	PASSAT	2006 - 2008	V6	BHK	F.I.	D.O.H.C.	03H 198 151 B	NA
3598	3.6L	220	TOUAREG	2007 - 2008	V6	BHK	F.I.	D.O.H.C.	03H 198 151 B	NA
3598	3.6L	220	TOUAREG	2007 - 2008	V6	BHK	F.I.	D.O.H.C.	03H 198 151 B	NA
3598	3.6L	220	TOUAREG II	2007 - 2012	V6	BHK	F.I.	D.O.H.C.	03H 198 151 B	NA
3598	3.6L	220	TOUAREG II	2007 - 2012	V6	BHK	F.I.	D.O.H.C.	03H 198 151 B	NA
3778	3.8L	231	ROUTAN	2009 - 2012	V6	EGH 3.8	F.I.	O.H.V.	68001386AA	SWC10015
3952	4.0L	241	ROUTAN	2011 - 2012	V6	PENTASTAR 3.6	F.I.	D.O.H.C.	-	TBA
3952	4.0L	241	ROUTAN	2009 - 2012	V6	EGQ & EGS 4.0	F.I.	S.O.H.C.	4897035AB	SWC10013
3999	4.0L	244	PASSAT	2002 - 2004	W8	BDN	F.I.	D.O.H.C.	-	NA
3999	4.0L	244	PASSAT	2002 - 2004	W8	BDN	F.I.	D.O.H.C.	-	NA
4921	4.9L	300	TOUAREG	2004 - 2007	V10	BKW	DIESEL	S.O.H.C.	07Z 198 151	NA
4921	4.9L	300	TOUAREG II	2004 - 2007	V10	BKW	DIESEL	S.O.H.C.	07Z 198 151	NA
VOLKSWAGEN - END										

PISTONS

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PISTON REFERENCE NUMBER	NOA PISTON #	HEAD PAGE #	DIA. mm	1 S T	2 N D	3 R D	O 1	O 2	REMARK
VOLKSWAGEN									
26D 107 066 C	X		82.50	1.20	1.50		2.00		w/ TURBO, 16 VALVE
26D 107 066 C	X		82.50	1.20	1.50		2.00		w/ TURBO, 16 VALVE
26D 107 066 C	X		82.50	1.20	1.50		2.00		w/ TURBO, 16 VALVE
26D 107 066 C	X		82.50	1.20	1.50		2.00		w/ TURBO, 16 VALVE
26D 107 066 C	X		82.50	1.20	1.50		2.00		w/ TURBO, 16 VALVE
07K 107 065 B	X		82.50	1.20	1.50		2.00		20 VALVE
07K 107 065 B	X		82.50	1.20	1.50		2.00		20 VALVE
07K 107 065 B	X		82.50	1.20	1.50		2.00		20 VALVE
07K 107 065 B	X		82.55	1.20	1.50		2.00		20 VALVE
07K 107 065 B	X		82.55	1.20	1.50		2.00		20 VALVE
078 107 065 AF	X		82.50	1.20	1.50		2.00		w/ VTECH, 24 VALVE
-	X		83.00						24 VALVE
03H 107 065 N	X		89.00						CYL #1,3,5, 24 VALVE
03H 107 066 N	X		89.00						CYL #2,4,6, 24 VALVE
03H 107 065 N	X		89.00						CYL #1,3,5, 24 VALVE
03H 107 066 N	X		89.00						CYL #2,4,6, 24 VALVE
03H 107 065 N	X		89.00						CYL #1,3,5, 24 VALVE
03H 107 066 N	X		89.00						CYL #2,4,6, 24 VALVE
03H 107 066 N	X		89.00						CYL #1,3,5, 24 VALVE
03H 107 066 N	X		89.00						CYL #2,4,6, 24 VALVE
4666129AA	11-864*	340	96.00	1.20	1.50		3.00		CHRYSLER Engine, 12 VALVE
-	X		96.00	1.20	1.20		2.00		CHRYSLER Engine, 24 VALVE
4593589AA	X		96.00	1.20	1.50		3.00		CHRYSLER Engine, 24 VALVE
-	X		84.00						32 VALVE
-	X		84.00						32 VALVE
-	X		81.00						w/ TURBO, 20 VALVE
-	X		81.00						w/ TURBO, 20 VALVE
VOLKSWAGEN - END									

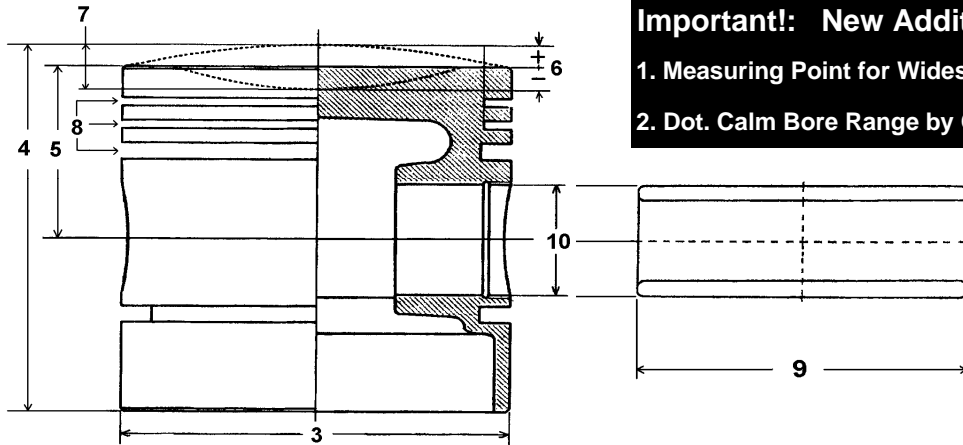
PISTON BUYER'S GUIDE

Cylinder Wall Clearance is showing Total Diameter, not one side.
EX: -0.04 (Total) / 2 = -0.02 (one side)



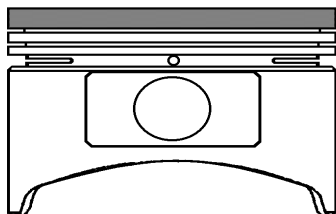
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NOA PISTON SPECIFICATION AND PISTON RING # FOR KIT										PISTON DIAMETER MEASURING POINT EXPLANATION							
NOA PISTON PART #	C Y L	PISTON INFORMATION					1ST 2ND OIL1 OIL2	PIN LENGTH DIA. mm	COLOR CODE	-0 (STD)	-1 (0.25)	-2 (0.50)	-3 (0.75)	-4 (1.00)			
		BORE	LENGTH	COMP.	+	DIST.				mm	inch	mm	inch	mm	inch	mm	inch
		mm inch	mm inch	mm inch	-	mm inch						MID	MID	MID	MID	MID	MID
1	2	3	4	5	6	7	8	9	17	18	19	20	21	22			
PISTON RING #		Wall Clearance															
11		mm inch		12				10									
13						Cir Clip	14	SURFACE TREATMENT	REMARKS: Measure for OIL Clearance: 23 mm inch from Bottom of Skirt.								
														15			
														16			

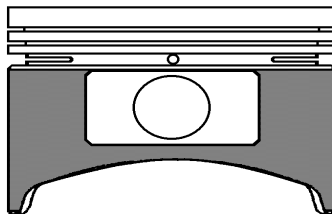


Important!: New Additions to Buyer's Guide.
 1. Measuring Point for Widest Point on Piston Skirt.
 2. Dot. Calm Bore Range by Color Code.

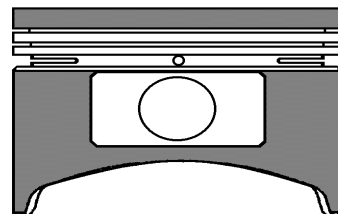
- 1: NOA's Piston Part Number.
- 2: Number of Cylinder.
- 3: Cylinder Bore Diameter.
- 4: Piston Length.
- 5: Compression Distance.
- 6: Dome or Dish.
- 7: Dome or Dish Height.
- 8: Piston Ring Groove.
- 9: Piston Pin Length.
- 10: Piston Pin Diameter.
- 11: NPR's Piston Ring for Piston Kit.
- 12: Cylinder Wall Clearance.
- 13: Piston Drawing.
- 14: Cir Clip.
- 15: Head Surface Treatment Information.
- 16: Skirt Surface Treatment Information.
- 17: Color Code.
- 18: Piston Mid. Diameter - -0 (STD) Size.
- 19: Piston Mid. Diameter - -1 (0.25) Size.
- 20: Piston Mid. Diameter - -2 (0.50) Size.
- 21: Piston Mid. Diameter - -3 (0.75) Size.
- 22: Piston Mid. Diameter - -4 (1.00) Size.
- 23: Piston Diameter Measuring Point.



Anodized Head



Moly Skirt



Anodized Head & Moly Skirt

PISTON BUYER'S GUIDE

Cylinder Wall Clearance is showing
Total Diameter, not one side.
EX: -0.04 (Total) / 2 = -0.02 (one side)



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RED = NEW INFORMATION

NOA PISTON SPECIFICATION AND PISTON RING # FOR KIT							PISTON DIAMETER MEASURING POINT EXPLANATION						
NOA PISTON PART #	C Y L	PISTON INFORMATION				1ST	PIN	COLOR CODE	-0 (STD)	-1 (0.25)	-2 (0.50)	-3 (0.75)	-4 (1.00)
		BORE	LENGTH	COMP.	DIST.	2ND	LENGTH		mm	mm	mm	mm	mm
		mm inch	mm inch	mm inch	mm inch	OIL1 OIL2	DIA. mm		inch	inch	inch	inch	inch
11-012	4	84.000	80.00	37.00	-	2.00	66.00	84.000	0.0025	0.00010	Tolerance is +/- (mm inch) :		
		3.307	3.150	1.457		0.80	0.079				2.598	mm	inch
PISTON RING #		Total Clearance				2.00		REMARKS:		Measure for CYL			
SWI10056		mm	inch			0.079		Clearance:		15.00 mm	from Bottom of Skirt.		
		-0.04	-0.00157			4.00	22.00			0.591 inch			
						0.157	0.866						
						Cir Clip		SURFACE TREATMENT					
						NONE		NONE					
						C17		NONE					
PAGE #		95	177										
11-016	4	87.000	80.00	37.00		1.50	77.00	87.000	0.0025	0.00010	Tolerance is +/- (mm inch) :		
		3.425	3.150	1.457			0.059				3.031	mm	inch
PISTON RING #		Total Clearance				1.50		REMARKS:		Measure for CYL			
SWI10096		mm	inch			0.059		Clearance:		10.00 mm	from Bottom of Skirt.		
		-0.04	-0.00157			4.00	22.00			0.394 inch			
						0.157	0.866						
						Cir Clip		SURFACE TREATMENT					
						NONE		NONE					
						C17		NONE					
PAGE #		97	177										
11-020	4	74.000	58.00	29.00	-	1.50	60.00	73.980	0.003	0.00012	Tolerance is +/- (mm inch) :		
		2.913	2.283	1.142		0.059	0.059				2.362	mm	inch
PISTON RING #		Total Clearance				1.50		REMARKS:		Measure for CYL			
SWM31027		mm	inch			0.059		Clearance:		10.00 mm	from Bottom of Skirt.		
		-0.04	-0.00157			4.00	18.00			0.394 inch			
						0.157	0.709						
						Cir Clip		SURFACE TREATMENT					
						NONE		NONE					
						T01		NONE					
PAGE #		13											
11-027	4	85.000	72.20	35.20	-	2.00	72.00	84.980	0.0045	0.00018	Tolerance is +/- (mm inch) :		
		3.346	2.843	1.386		0.205	0.079				2.835	mm	inch
PISTON RING #		Total Clearance				2.00		REMARKS:		Measure for CYL			
SWM31013		mm	inch			0.079		Clearance:		30.00 mm	from Bottom of Skirt.		
		-0.04	-0.00157			4.00	21.00			1.181 inch			
						0.157	0.827						
						Cir Clip		SURFACE TREATMENT					
						NONE		NONE					
						J05		NONE					
PAGE #		17	211										

PISTON BUYER'S GUIDE

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NOA PISTON SPECIFICATION AND PISTON RING # FOR KIT							PISTON DIAMETER MEASURING POINT EXPLANATION									
NOA PISTON PART #	C Y L	PISTON INFORMATION				1ST	PIN	COLOR CODE	-0 (STD)	-1 (0.25)	-2 (0.50)	-3 (0.75)	-4 (1.00)			
		BORE	LENGTH	COMP.	DIST.	2ND	LENGTH		mm	mm	mm	mm	mm			
		mm inch	mm inch	mm inch	mm inch	OIL1	DIA.		inch	inch	inch	inch	inch			
11-028	4	91.100	88.70	48.70	-	2.30	75.00	YELLOW:	91.0775	91.3275	91.5775	91.8275	92.0775			
		3.587	3.492	1.917		0.091	0.098		2.953	3.58573	3.59557	3.60541	3.61526	3.62510		
		PISTON RING #		Total Clearance		2.00	29.00		91.0675	91.3175	91.5675	91.8175	92.0675			
SDM31038		mm	inch	0.10	0.079	4.00	3.58533	3.59518	3.60502	3.61486	3.62470					
		-0.1016	-0.00400			0.157	3.58514	3.59498	3.60482	3.61467	3.62451					
				Cir Clip			91.0725	91.3225	91.5725	91.8225	92.0725	3.58553	3.59537	3.60522	3.61506	3.62490
							REMARKS:		Measure for CYL Clearance: 10.00 mm from Bottom of Skirt.				0.394 inch			
				NONE			SURFACE TREATMENT									
				C17			NONE									
PAGE #		21	213					91.100 Tolerance is +/- (mm inch): 0.0025 0.00010								
11-031	4	91.100	77.20	35.20		2.00	75.00	YELLOW:	91.0805	91.3305	91.5805	91.8305	92.0805			
		3.587	3.039	1.386		0.079	2.953		3.58585	3.59569	3.60553	3.61537	3.62522			
		PISTON RING #		Total Clearance		2.00	22.00		91.0725	91.3225	91.5725	91.8225	92.0725			
SWM31047		mm	inch	0.079	0.157	4.00	3.58553	3.59537	3.60522	3.61506	3.62490					
		-0.04	-0.00157			0.157	91.0595	91.3095	91.5595	91.8095	92.0595	3.58502	3.59486	3.60470	3.61455	3.62439
				Cir Clip			91.0675	91.3175	91.5675	91.8175	92.0675	3.58533	3.59518	3.60502	3.61486	3.62470
				NONE			REMARKS:		Measure for CYL Clearance: 37.50 mm from Bottom of Skirt.				1.476 inch			
				J05			SURFACE TREATMENT									
				NONE			NONE									
PAGE #		29	215					91.070 Tolerance is +/- (mm inch): 0.0045 0.00018								
11-035	4	91.100	78.30	36.00	+	1.50	79.00	YELLOW:	91.0775	91.3275	91.5775	91.8275	92.0775			
		3.587	3.083	1.417		0.059	3.110		3.58573	3.59557	3.60541	3.61526	3.62510			
		PISTON RING #		Total Clearance		1.50	22.00		91.0675	91.3175	91.5675	91.8175	92.0675			
SWM31039		mm	inch	0.059	0.157	4.00	3.58533	3.59518	3.60502	3.61486	3.62470					
		-0.04	-0.00157			0.157	91.0625	91.3125	91.5625	91.8125	92.0625	3.58514	3.59498	3.60482	3.61467	3.62451
				Cir Clip			91.0725	91.3225	91.5725	91.8225	92.0725	3.58553	3.59537	3.60522	3.61506	3.62490
				NONE			REMARKS:		Measure for CYL Clearance: 25.00 mm from Bottom of Skirt.				0.984 inch			
				C17			SURFACE TREATMENT									
				NONE			NONE									
PAGE #		29	31	205	215			91.100 Tolerance is +/- (mm inch): 0.0025 0.00010								
11-049	4	76.000	65.00	30.00	-	1.20	63.00	YELLOW:	75.9730	76.2230	76.4730	76.7230	76.9730			
		2.992	2.559	1.181		0.047	2.480		2.99106	3.00091	3.01075	3.02059	3.03043			
		PISTON RING #		Total Clearance		2.00	19.00		75.9865	76.2365	76.4865	76.7365	76.9865			
SWN30052		mm	inch	0.079	0.157	4.00	2.99159	3.00144	3.01128	3.02112	3.03096					
		-0.04	-0.00157			0.157	75.9795	76.2295	76.4795	76.7295	76.9795	2.99132	3.00116	3.01100	3.02085	3.03069
				Cir Clip			REMARKS:		Measure for CYL Clearance: 10.00 mm from Bottom of Skirt.				0.394 inch			
				NONE			SURFACE TREATMENT									
				T01			NONE									
PAGE #		221					75.980 Tolerance is +/- (mm inch): 0.003 0.00012									

PISTON BUYER'S GUIDE

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NOA PISTON SPECIFICATION AND PISTON RING # FOR KIT								PISTON DIAMETER MEASURING POINT EXPLANATION					
NOA PISTON PART #	C Y L	PISTON INFORMATION				1ST	PIN	COLOR CODE	-0 (STD)	-1 (0.25)	-2 (0.50)	-3 (0.75)	-4 (1.00)
		BORE	LENGTH	COMP.	DIST.	2ND	LENGTH		mm	mm	mm	mm	mm
		mm inch	mm inch	mm inch	mm inch	OIL1 OIL2	DIA. mm		inch	inch	inch	inch	inch
11-050	4	76.000	62.70	32.50	9.40	1.50	62.00	76.000 Tolerance is +/- (mm inch) : 0.0025 0.00010					
		2.992	2.469	1.280				0.370	0.059	2.441	YELLOW:	75.9775	76.2275
PISTON RING #		Total Clearance				1.50	RED:	75.9675	76.2175	76.4675	76.7175	76.9675	
SWN30057		mm	inch			0.059		2.99085	3.00069	3.01053	3.02037	3.03022	3.03022
		-0.04	-0.00157			4.00	BLUE:	75.9625	76.2125	76.4625	76.7125	76.9625	
						0.157	2.99065	3.00049	3.01033	3.02018	3.03002	3.03002	
							GREEN:	75.9725	76.2225	76.4725	76.7225	76.9725	
							2.99104	3.00089	3.01073	3.02057	3.03041	3.03041	
							REMARKS:						
							Measure for CYL		10.00 mm	from Bottom of Skirt.			
							Clearance:		0.394 inch				
11-052	4	76.000	62.50	32.50	9.50	1.50	62.00	76.000 Tolerance is +/- (mm inch) : 0.0025 0.00010					
		2.992	2.461	1.280				0.374	0.059	2.441	YELLOW:	75.9775	76.2275
PISTON RING #		Total Clearance				1.50	RED:	75.9675	76.2175	76.4675	76.7175	76.9675	
SWN30057		mm	inch			0.059		2.99085	3.00069	3.01053	3.02037	3.03022	3.03022
		-0.04	-0.00157			4.00	BLUE:	75.9625	76.2125	76.4625	76.7125	76.9625	
						0.157	2.99065	3.00049	3.01033	3.02018	3.03002	3.03002	
							GREEN:	75.9725	76.2225	76.4725	76.7225	76.9725	
							2.99104	3.00089	3.01073	3.02057	3.03041	3.03041	
							REMARKS:						
							Measure for CYL		10.00 mm	from Bottom of Skirt.			
							Clearance:		0.394 inch				
11-059	4	85.000	78.10	38.10	2.20	2.00	72.00	84.980 Tolerance is +/- (mm inch) : 0.0045 0.00018					
		3.346	3.075	1.500				0.087	0.079	2.835	YELLOW:	84.9905	85.2405
PISTON RING #		Total Clearance				2.00	WHITE:	84.9825	85.2325	85.4825	85.7325	85.9825	
SWN30048		mm	inch			0.079		3.34577	3.35561	3.36545	3.37530	3.38514	3.38514
		-0.04	-0.00157			4.00	BLUE:	84.9695	85.2195	85.4695	85.7195	85.9695	
						0.157	3.34526	3.35510	3.36494	3.37478	3.38463	3.38463	
							GREEN:	84.9775	85.2275	85.4775	85.7275	85.9775	
							3.34557	3.35541	3.36526	3.37510	3.38494	3.38494	
							REMARKS:						
							Measure for CYL		15.00 mm	from Bottom of Skirt.			
							Clearance:		0.591 inch				
11-060	4	85.000	78.00	38.00	3.00	2.00	72.00	84.950 Tolerance is +/- (mm inch) : 0.003 0.00012					
		3.346	3.071	1.496				0.118	0.079	2.835	YELLOW:	84.9430	85.1930
PISTON RING #		Total Clearance				2.00	RED:	84.9565	85.2065	85.4565	85.7065	85.9565	
SWN30048		mm	inch			0.079		3.34474	3.35459	3.36443	3.37427	3.38411	3.38411
		-0.04	-0.00157			4.00	BLUE:	84.9495	85.1995	85.4495	85.6995	85.9495	
						0.157	3.34447	3.35431	3.36415	3.37400	3.38384	3.38384	
							REMARKS:						
							Measure for CYL		15.00 mm	from Bottom of Skirt.			
							Clearance:		0.591 inch				

PISTON BUYER'S GUIDE

Cylinder Wall Clearance is showing
Total Diameter, not one side.
EX: -0.04 (Total) / 2 = -0.02 (one side)



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NOA PISTON SPECIFICATION AND PISTON RING # FOR KIT							PISTON DIAMETER MEASURING POINT EXPLANATION						
NOA PISTON PART #	C Y L	PISTON INFORMATION				1ST	PIN	COLOR CODE	-0 (STD)	-1 (0.25)	-2 (0.50)	-3 (0.75)	-4 (1.00)
		BORE	LENGTH	COMP.	DIST.	2ND	LENGTH		mm	mm	mm	mm	mm
		mm inch	mm inch	mm inch	mm inch	OIL1 OIL2	DIA. mm		inch	inch	inch	inch	inch
11-062	4	84.500	65.00	30.00	2.20	1.50	61.00	YELLOW:	84.4775	84.7275	84.9775	85.2275	85.4775
		3.327	2.559	1.181	0.087	0.059	2.402		3.32589	3.33573	3.34557	3.35541	3.36526
PISTON RING #		Total Clearance		-	0.059	1.50	20.00	RED:	84.4675	84.7175	84.9675	85.2175	85.4675
SWN30053		mm	inch						mm	inch	mm	mm	3.32549
		-0.04	-0.00157			4.00	0.157	BLUE:	84.4625	84.7125	84.9625	85.2125	85.4625
						0.157	0.787	GREEN:	3.32530	3.33514	3.34498	3.35482	3.36467
									84.4725	84.7225	84.9725	85.2225	85.4725
									3.32569	3.33553	3.34537	3.35522	3.36506
		Cir Clip		NONE		SURFACE TREATMENT		REMARKS:					
		NONE		NONE		NONE		Measure for CYL Clearance: 30.00 mm from Bottom of Skirt.					
		C17		NONE		NONE							
PAGE #		225						84.500 Tolerance is +/- (mm inch) : 0.0025 0.00010					
11-064	4	85.000	67.00	32.00	1.50	1.50	72.00	YELLOW:	84.9830	85.2330	85.4830	85.7330	85.9830
		3.346	2.638	1.260	0.059	0.059	2.835		3.34579	3.35563	3.36547	3.37531	3.38516
PISTON RING #		Total Clearance		-	0.10	1.50	21.00	RED:	84.9965	85.2465	85.4965	85.7465	85.9965
SWN30086		mm	inch						mm	inch	mm	mm	3.34632
		-0.04	-0.00157			4.00	0.157	BLUE:	84.9895	85.2395	85.4895	85.7395	85.9895
						0.157	0.827		3.34604	3.35589	3.36573	3.37557	3.38541
		Cir Clip		NONE		SURFACE TREATMENT		REMARKS:					
		NONE		NONE		NONE		Measure for CYL Clearance: 20.00 mm from Bottom of Skirt.					
		T01		NONE		NONE							
PAGE #		223						84.990 Tolerance is +/- (mm inch) : 0.003 0.00012					
11-068	4	83.000	90.00	48.00	2.00	2.50	71.00	YELLOW:	82.9775	83.2275	83.4775	83.7275	83.9775
		3.268	3.543	1.890	0.079	0.098	2.795		3.26683	3.27667	3.28652	3.29636	3.30620
PISTON RING #		Total Clearance		-	0.02	2.00	26.00	RED:	82.9675	83.2175	83.4675	83.7175	83.9675
SDN31027		mm	inch						mm	inch	mm	mm	3.26644
		-0.1016	-0.00400			4.50	0.177	BLUE:	82.9625	83.2125	83.4625	83.7125	83.9625
						0.177	1.024	GREEN:	3.26624	3.27608	3.28593	3.29577	3.30561
									82.9725	83.2225	83.4725	83.7225	83.9725
									3.26663	3.27648	3.28632	3.29616	3.30600
		Cir Clip		NONE		SURFACE TREATMENT		REMARKS:					
		C17		NONE		NONE		Measure for CYL Clearance: 15.00 mm from Bottom of Skirt.					
PAGE #		225						83.000 Tolerance is +/- (mm inch) : 0.0025 0.00010					
11-069	4	87.000	72.00	32.00	2.50	1.50	64.00	YELLOW:	86.9905	87.2405	87.4905	87.7405	87.9905
		3.425	2.835	1.260	0.098	0.059	2.520		3.42482	3.43467	3.44451	3.45435	3.46419
PISTON RING #		Total Clearance		-	0.059	1.50	21.00	WHITE:	86.9825	87.2325	87.4825	87.7325	87.9825
SWN30054		mm	inch						mm	inch	mm	mm	3.42451
		-0.04	-0.00157			4.00	0.157	BLUE:	86.9695	87.2195	87.4695	87.7195	87.9695
						0.157	0.827		3.42400	3.43384	3.44368	3.45352	3.46337
									86.9775	87.2275	87.4775	87.7275	87.9775
									3.42431	3.43415	3.44400	3.45384	3.46368
		Cir Clip		NONE		SURFACE TREATMENT		REMARKS:					
		NONE		NONE		NONE		Measure for CYL Clearance: 0.00 mm from Bottom of Skirt.					
		J05		NONE		NONE							
PAGE #		225						86.980 Tolerance is +/- (mm inch) : 0.0045 0.00018					

PISTON BUYER'S GUIDE

Cylinder Wall Clearance is showing
Total Diameter, not one side.
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NOA PISTON SPECIFICATION AND PISTON RING # FOR KIT							PISTON DIAMETER MEASURING POINT EXPLANATION						
NOA PISTON PART #	C Y L	PISTON INFORMATION				1ST	PIN	COLOR CODE	-0 (STD)	-1 (0.25)	-2 (0.50)	-3 (0.75)	-4 (1.00)
		BORE	LENGTH	COMP.	DIST.	2ND	LENGTH		mm	mm	mm	mm	mm
		mm inch	mm inch	mm inch	mm inch	OIL1	DIA.		inch	inch	inch	inch	inch
11-070	4	89.000	72.00	34.00	+	4.00	1.50	72.00	84.980 Tolerance is + / - (mm inch) : 0.0045 0.00018				
		3.504	2.835	1.339					0.157	0.059	2.835	YELLOW:	84.9850
PISTON RING #		Total Clearance											
SWN30059		mm	inch										
		-0.04	-0.00157										
				Cir Clip									
				NONE		SURFACE TREATMENT							
				NONE		NONE							
				J05		NONE							
PAGE #		225											
11-071	6	83.000	78.00	38.00		2.00	72.00	83.000 Tolerance is + / - (mm inch) : 0.0025 0.00010					
		3.268	3.071	1.496				0.079	2.835	YELLOW:	82.9775	83.2275	83.4775
PISTON RING #		Total Clearance											
SWN30034		mm	inch										
		-0.04	-0.00157										
				Cir Clip									
				NONE		SURFACE TREATMENT							
				NONE		NONE							
				C17		NONE							
PAGE #		225											
11-076	6	83.000	78.00	38.00	-	0.80	2.00	72.00	82.980 Tolerance is + / - (mm inch) : 0.0045 0.00018				
		3.268	3.071	1.496					0.031	0.079	2.835	YELLOW:	82.9905
PISTON RING #		Total Clearance											
SWN30034		mm	inch										
		-0.04	-0.00157										
				Cir Clip									
				NONE		SURFACE TREATMENT							
				NONE		NONE							
				J05		NONE							
PAGE #		227											
11-081	6	86.000	78.30	38.00	-	3.00	2.00	72.00	85.950 Tolerance is + / - (mm inch) : 0.003 0.00012				
		3.386	3.083	1.496					0.118	0.079	2.835	YELLOW:	85.9430
PISTON RING #		Total Clearance											
SWN30047		mm	inch										
		-0.04	-0.00157										
				Cir Clip									
				NONE		SURFACE TREATMENT							
				NONE		NONE							
				T01		NONE							
PAGE #		229											

PISTON BUYER'S GUIDE

Cylinder Wall Clearance is showing
Total Diameter, not one side.
EX: -0.04 (Total) / 2 = -0.02 (one side)



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NOA PISTON SPECIFICATION AND PISTON RING # FOR KIT							PISTON DIAMETER MEASURING POINT EXPLANATION						
NOA PISTON PART #	C Y L	PISTON INFORMATION				1ST	PIN	COLOR CODE	-0 (STD)	-1 (0.25)	-2 (0.50)	-3 (0.75)	-4 (1.00)
		BORE	LENGTH	COMP.	DIST.	2ND	LENGTH		mm	mm	mm	mm	mm
		mm inch	mm inch	mm inch	mm inch	OIL1	DIA.		inch	inch	inch	inch	inch
11-082	6	86.000	78.20	38.00	2.00	2.00	72.00	YELLOW:	85.9430	86.1930	86.4430	86.6930	86.9430
		3.386	3.079	1.496	0.079	0.079	2.835		3.38358	3.39343	3.40327	3.41311	3.42295
PISTON RING #		Total Clearance				2.00		RED:	85.9565	86.2065	86.4565	86.7065	86.9565
SWN30047		mm	inch			0.079		BLUE:	3.38411	3.39396	3.40380	3.41364	3.42348
		-0.04	-0.00157			4.00	21.00		3.38384	3.39368	3.40352	3.41337	3.42321
						0.157	0.827	REMARKS: Measure for CYL Clearance: 22.00 mm from Bottom of Skirt. 0.866 inch					
PAGE #		229		Cir Clip		SURFACE TREATMENT							
				NONE		NONE							
				T01		NONE							
11-084	6	86.000	78.80	38.50		1.50	72.00	YELLOW:	85.9430	86.1930	86.4430	86.6930	86.9430
		3.386	3.102	1.516		0.059	2.835		3.38358	3.39343	3.40327	3.41311	3.42295
PISTON RING #		Total Clearance				2.00		RED:	85.9565	86.2065	86.4565	86.7065	86.9565
SWN30066		mm	inch			0.079		BLUE:	3.38411	3.39396	3.40380	3.41364	3.42348
		-0.04	-0.00157			4.00	21.00		3.38384	3.39368	3.40352	3.41337	3.42321
						0.157	0.827	REMARKS: Measure for CYL Clearance: 15.00 mm from Bottom of Skirt. 0.591 inch					
PAGE #		229		Cir Clip		SURFACE TREATMENT							
				NONE		NONE							
				T01		NONE							
11-105	4	74.000	57.70	27.70	1.50	1.50	62.00	YELLOW:	73.9775	74.2275	74.4775	74.7275	74.9775
		2.913	2.272	1.091	0.059	0.059	2.441		2.91250	2.92234	2.93219	2.94203	2.95187
PISTON RING #		Total Clearance				1.50		RED:	73.9675	74.2175	74.4675	74.7175	74.9675
SWH30114		mm	inch			0.059		BLUE:	2.91211	2.92195	2.93179	2.94163	2.95148
		-0.04	-0.00157			4.00	17.00		73.9625	74.2125	74.4625	74.7125	74.9625
						0.157	0.669	GREEN:	2.91191	2.92175	2.93159	2.94144	2.95128
									73.9725	74.2225	74.4725	74.7225	74.9725
									2.91230	2.92215	2.93199	2.94183	2.95167
								REMARKS: Measure for CYL Clearance: 10.00 mm from Bottom of Skirt. 0.394 inch					
PAGE #		157		Cir Clip		SURFACE TREATMENT							
				NONE		NONE							
				C17		NONE							
11-106	4	74.000	62.70	27.70		1.50	62.00	YELLOW:	73.9775	74.2275	74.4775	74.7275	74.9775
		2.913	2.469	1.091		0.059	2.441		2.91250	2.92234	2.93219	2.94203	2.95187
PISTON RING #		Total Clearance				1.50		RED:	73.9675	74.2175	74.4675	74.7175	74.9675
SWH30114		mm	inch			0.059		BLUE:	2.91211	2.92195	2.93179	2.94163	2.95148
		-0.04	-0.00157			4.00	17.00		73.9625	74.2125	74.4625	74.7125	74.9625
						0.157	0.669	GREEN:	2.91191	2.92175	2.93159	2.94144	2.95128
									73.9725	74.2225	74.4725	74.7225	74.9725
									2.91230	2.92215	2.93199	2.94183	2.95167
								REMARKS: Measure for CYL Clearance: 20.00 mm from Bottom of Skirt. 0.787 inch					
PAGE #		157		Cir Clip		SURFACE TREATMENT							
				NONE		NONE							
				C17		NONE							

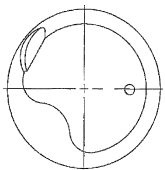
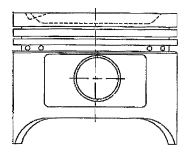
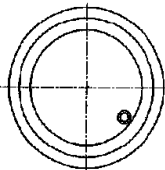
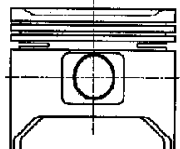
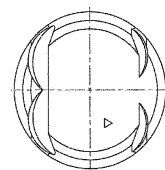
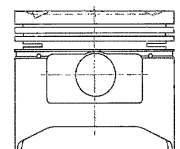
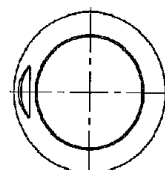
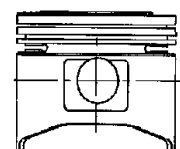
PISTON BUYER'S GUIDE

Cylinder Wall Clearance is showing
Total Diameter, not one side.
EX: -0.04 (Total) / 2 = -0.02 (one side)



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NOA PISTON SPECIFICATION AND PISTON RING # FOR KIT								PISTON DIAMETER MEASURING POINT EXPLANATION					
NOA PISTON PART #	C Y L	PISTON INFORMATION				1ST	PIN	COLOR CODE	-0 (STD)	-1 (0.25)	-2 (0.50)	-3 (0.75)	-4 (1.00)
		BORE	LENGTH	COMP.	DIST.	2ND	LENGTH		mm	mm	mm	mm	mm
		mm inch	mm inch	mm inch	mm inch	OIL1	DIA.		inch	inch	inch	inch	inch
11-111	4	74.000	59.80	29.80	-	4.70	1.20	74.000	-1 (0.25)	-2 (0.50)	-3 (0.75)	-4 (1.00)	
		2.913	2.354	1.173		0.185	0.047						56.00
PISTON RING #		Total Clearance											
SWH30253		mm	inch										
		-0.04	-0.00157										
 		Cir Clip											
		NONE				SURFACE TREATMENT							
		NONE				NONE							
		C17				NONE							
PAGE #		157						74.000 Tolerance is +/- (mm inch) : 0.0025 0.00010					
YELLOW:		73.9775	74.2275	74.4775	74.7275	74.9775							
		2.91250	2.92234	2.93219	2.94203	2.95187							
RED:		73.9675	74.2175	74.4675	74.7175	74.9675							
		2.91211	2.92195	2.93179	2.94163	2.95148							
BLUE:		73.9625	74.2125	74.4625	74.7125	74.9625							
		2.91191	2.92175	2.93159	2.94144	2.95128							
GREEN:		73.9725	74.2225	74.4725	74.7225	74.9725							
		2.91230	2.92215	2.93199	2.94183	2.95167							
REMARKS:		Measure for CYL		10.00 mm		from Bottom of Skirt.							
		Clearance:		0.394 inch									
11-113	4	74.000	57.50	27.50	-	2.50	1.50	74.000	-1 (0.25)	-2 (0.50)	-3 (0.75)	-4 (1.00)	
		2.913	2.264	1.083		0.098	0.059						62.00
PISTON RING #		Total Clearance											
SWH30114		mm	inch										
		-0.04	-0.00157										
 		Cir Clip											
		NONE				SURFACE TREATMENT							
		NONE				NONE							
		C17				NONE							
PAGE #		161						74.000 Tolerance is +/- (mm inch) : 0.0025 0.00010					
YELLOW:		73.9775	74.2275	74.4775	74.7275	74.9775							
		2.91250	2.92234	2.93219	2.94203	2.95187							
RED:		73.9675	74.2175	74.4675	74.7175	74.9675							
		2.91211	2.92195	2.93179	2.94163	2.95148							
BLUE:		73.9625	74.2125	74.4625	74.7125	74.9625							
		2.91191	2.92175	2.93159	2.94144	2.95128							
GREEN:		73.9725	74.2225	74.4725	74.7225	74.9725							
		2.91230	2.92215	2.93199	2.94183	2.95167							
REMARKS:		Measure for CYL		10.00 mm		from Bottom of Skirt.							
		Clearance:		0.394 inch									
11-122	4	80.000	65.30	29.80	-	0.50	1.50	79.950	-1 (0.25)	-2 (0.50)	-3 (0.75)	-4 (1.00)	
		3.150	2.571	1.173		0.020	0.059						61.00
PISTON RING #		Total Clearance											
SWH30251		mm	inch										
		-0.04	-0.00157										
 		Cir Clip											
		NONE				SURFACE TREATMENT							
		NONE				NONE							
		T01				NONE							
PAGE #		161						79.950 Tolerance is +/- (mm inch) : 0.003 0.00012					
YELLOW:		79.9430	80.1930	80.4430	80.6930	80.9430							
		3.14736	3.15720	3.16705	3.17689	3.18673							
RED:		79.9565	80.2065	80.4565	80.7065	80.9565							
		3.14789	3.15774	3.16758	3.17742	3.18726							
BLUE:		79.9495	80.1995	80.4495	80.6995	80.9495							
		3.14762	3.15746	3.16730	3.17715	3.18699							
REMARKS:		Measure for CYL		30.00 mm		from Bottom of Skirt.							
		Clearance:		1.181 inch									
11-124	4	77.000	61.80	29.00	+	0.80	1.50	76.970	-1 (0.25)	-2 (0.50)	-3 (0.75)	-4 (1.00)	
		3.031	2.433	1.142		0.031	0.059						65.00
PISTON RING #		Total Clearance											
SWT20045		mm	inch										
		-0.04	-0.00157										
 		Cir Clip											
		NONE				SURFACE TREATMENT							
		NONE				NONE							
		T01				NONE							
PAGE #		199						76.970 Tolerance is +/- (mm inch) : 0.003 0.00012					
YELLOW:		76.9630	77.2130	77.4630	77.7130	77.9630							
		3.03004	3.03988	3.04972	3.05957	3.06941							
RED:		76.9765	77.2265	77.4765	77.7265	77.9765							
		3.03057	3.04041	3.05026	3.06010	3.06994							
BLUE:		76.9695	77.2195	77.4695	77.7195	77.9695							
		3.03030	3.04014	3.04998	3.05982	3.06967							
REMARKS:		Measure for CYL		15.00 mm		from Bottom of Skirt.							
		Clearance:		0.591 inch									

PISTON BUYER'S GUIDE

Cylinder Wall Clearance is showing
Total Diameter, not one side.
EX: -0.04 (Total) / 2 = -0.02 (one side)



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NOA PISTON SPECIFICATION AND PISTON RING # FOR KIT							PISTON DIAMETER MEASURING POINT EXPLANATION						
NOA PISTON PART #	C Y L	PISTON INFORMATION				1ST	PIN	COLOR CODE	-0 (STD)	-1 (0.25)	-2 (0.50)	-3 (0.75)	-4 (1.00)
		BORE	LENGTH	COMP.	DIST.	2ND	LENGTH		mm	mm	mm	mm	mm
		mm	mm	mm	mm	OIL1	DIA.	inch	inch	inch	inch	inch	
		inch	inch	inch	inch	OIL2	mm	MID	MID	MID	MID	MID	
11-127		PAGE # 199											
4		77.000	60.60	28.60	2.00	1.50	65.00	77.000 Tolerance is +/- (mm inch) : 0.0025 0.00010					
		3.031	2.386	1.126	0.079	0.059	2.559	YELLOW:	76.9775	77.2275	77.4775	77.7275	77.9775
PISTON RING #		Total Clearance											
		mm	inch										
SWT20045		-0.04	-0.00157										
		Cir Clip											
		NONE		SURFACE TREATMENT									
		C17		NONE									
REMARKS:		Measure for CYL Clearance: 1.00 mm from Bottom of Skirt. 0.039 inch											
11-129		PAGE # 185 201											
4		86.000	70.80	34.00	2.60	1.50	67.00	86.000 Tolerance is +/- (mm inch) : 0.0025 0.00010					
		3.386	2.787	1.339	0.102	0.059	2.638	YELLOW:	85.9775	86.2275	86.4775	86.7275	86.9775
PISTON RING #		Total Clearance											
		mm	inch										
SWT20048		-0.04	-0.00157										
		Cir Clip											
		NONE		SURFACE TREATMENT									
		C17		NONE									
REMARKS:		Measure for CYL Clearance: 10.00 mm from Bottom of Skirt. 0.394 inch											
11-140		PAGE # 253											
4		75.000	75.00	36.00		2.00	61.00	75.000 Tolerance is +/- (mm inch) : 0.0025 0.00010					
		2.953	2.953	1.417		0.079	2.402	YELLOW:	74.9775	75.2275	75.4775	75.7275	75.9775
PISTON RING #		Total Clearance											
		mm	inch										
SWT10052		-0.04	-0.00157										
		Cir Clip											
		C17		SURFACE TREATMENT									
		C17		NONE									
REMARKS:		Measure for CYL Clearance: 12.00 mm from Bottom of Skirt. 0.472 inch											
11-141		PAGE # 253											
4		75.000	69.00	36.00	4.00	1.50	61.00	75.000 Tolerance is +/- (mm inch) : 0.0025 0.00010					
		2.953	2.717	1.417	0.157	0.059	2.402	YELLOW:	74.9775	75.2275	75.4775	75.7275	75.9775
PISTON RING #		Total Clearance											
		mm	inch										
SWT10109		-0.04	-0.00157										
		Cir Clip											
		C17		SURFACE TREATMENT									
		C17		NONE									
REMARKS:		Measure for CYL Clearance: 10.00 mm from Bottom of Skirt. 0.394 inch											

PISTON BUYER'S GUIDE

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EX: -0.04 (Total) / 2 = -0.02 (one side)



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NOA PISTON SPECIFICATION AND PISTON RING # FOR KIT							PISTON DIAMETER MEASURING POINT EXPLANATION						
NOA PISTON PART #	C Y L	PISTON INFORMATION				1ST	PIN	COLOR CODE	-0 (STD)	-1 (0.25)	-2 (0.50)	-3 (0.75)	-4 (1.00)
		BORE	LENGTH	COMP.	DIST.	2ND	LENGTH		mm	mm	mm	mm	mm
		mm	mm	mm	mm	OIL1	DIA.	inch	inch	inch	inch	inch	
		inch	inch	inch	inch	OIL2	mm	MID	MID	MID	MID	MID	
11-142	4	77.500	61.00	31.00	-	3.20	1.50	77.500	0.0025	0.0010	Tolerance is +/- (mm inch) :		
		3.051	2.402	1.220		0.126	0.059				2.402	mm	inch
PISTON RING #		Total Clearance				1.50							
SWT10078		mm	inch			0.059							
		-0.04	-0.00157			2.80	18.00						
						0.110	0.709						
				Cir Clip									
				NONE		SURFACE TREATMENT							
				C17		NONE							
PAGE #		253											
REMARKS:		Measure for CYL		10.00 mm		from Bottom of Skirt.							
		Clearance:		0.394 inch									
11-143	4	77.500	61.00	31.00	-	3.00	1.50	77.500	0.0025	0.0010	Tolerance is +/- (mm inch) :		
		3.051	2.402	1.220		0.118	0.059				2.402	mm	inch
PISTON RING #		Total Clearance				1.50							
SWT10078		mm	inch			0.059							
		-0.04	-0.00157			2.80	18.00						
						0.110	0.709						
				Cir Clip									
				NONE		SURFACE TREATMENT							
				C17		NONE							
PAGE #		253											
REMARKS:		Measure for CYL		10.00 mm		from Bottom of Skirt.							
		Clearance:		0.394 inch									
11-144	4	81.000	60.50	30.50	-	3.00	1.50	81.000	0.003	0.00012	Tolerance is +/- (mm inch) :		
		3.189	2.382	1.201		0.118	0.059				2.402	mm	inch
PISTON RING #		Total Clearance				1.50							
SWT10108		mm	inch			0.059							
		-0.04	-0.00157			2.80	18.00						
						0.110	0.709						
				Cir Clip									
				NONE		SURFACE TREATMENT							
				T01		NONE							
PAGE #		93		253									
REMARKS:		Measure for CYL		13.00 mm		from Bottom of Skirt.							
		Clearance:		0.512 inch									
11-145	4	85.000	91.10	39.00	+	6.10	2.00	85.000	0.003	0.00012	Tolerance is +/- (mm inch) :		
		3.346	3.587	1.535		0.240	0.079				2.598	mm	inch
PISTON RING #		Total Clearance				2.00							
SWT10040		mm	inch			0.079							
		-0.04	-0.00157			4.00	22.00						
						0.157	0.866						
				Cir Clip									
				NONE		SURFACE TREATMENT							
				T01		NONE							
PAGE #		253											
REMARKS:		Measure for CYL		25.00 mm		from Bottom of Skirt.							
		Clearance:		0.984 inch									

PISTON BUYER'S GUIDE

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NOA PISTON SPECIFICATION AND PISTON RING # FOR KIT							PISTON DIAMETER MEASURING POINT EXPLANATION						
NOA PISTON PART #	C Y L	PISTON INFORMATION				1ST	PIN	COLOR CODE	-0 (STD)	-1 (0.25)	-2 (0.50)	-3 (0.75)	-4 (1.00)
		BORE	LENGTH	COMP.	DIST.	2ND	LENGTH		mm	mm	mm	mm	mm
		mm inch	mm inch	mm inch	mm inch	OIL1	DIA.		inch	inch	inch	inch	inch
11-149	4	85.000	82.50	35.20	5.40	1.50	66.00	YELLOW:	84.9730	85.2230	85.4730	85.7230	85.9730
		3.346	3.248	1.386	0.213	0.059	2.598		3.34539	3.35524	3.36508	3.37492	3.38476
PISTON RING #		Total Clearance				1.50		RED:	84.9865	85.2365	85.4865	85.7365	85.9865
SWT10059		mm	inch			0.059		BLUE:	3.34593	3.35577	3.36561	3.37545	3.38530
		-0.04	-0.00157			4.00	22.00		3.34565	3.35549	3.36533	3.37518	3.38502
						0.157	0.866	REMARKS: Measure for CYL Clearance: 30.00 mm from Bottom of Skirt. 1.181 inch					
PAGE #		255						84.980 Tolerance is +/- (mm inch) : 0.003 0.00012					
CIR CLIP		NONE						SURFACE TREATMENT: NONE					
T01		NONE											
11-153	4	88.500	84.80	39.80		2.00	75.00	YELLOW:	88.4830	88.7330	88.9830	89.2330	89.4830
		3.484	3.339	1.567		0.079	2.953		3.48358	3.49343	3.50327	3.51311	3.52295
PISTON RING #		Total Clearance				2.50		RED:	88.4965	88.7465	88.9965	89.2465	89.4965
SWT10043		mm	inch			0.098		BLUE:	3.48411	3.49396	3.50380	3.51364	3.52348
		-0.04	-0.00157			4.00	22.00		3.48384	3.49368	3.50352	3.51337	3.52321
						0.157	0.866	REMARKS: Measure for CYL Clearance: 20.00 mm from Bottom of Skirt. 0.787 inch					
PAGE #		255						88.490 Tolerance is +/- (mm inch) : 0.003 0.00012					
CIR CLIP		NONE						SURFACE TREATMENT: NONE					
T01		NONE											
11-155	4	86.000	70.00	35.00	5.00	1.50	66.00	YELLOW:	85.9905	86.2405	86.4905	86.7405	86.9905
		3.386	2.756	1.378	0.197	0.059	2.598		3.38545	3.39530	3.40514	3.41498	3.42482
PISTON RING #		Total Clearance				1.50		WHITE:	85.9825	86.2325	86.4825	86.7325	86.9825
SWT10090		mm	inch			0.059		BLUE:	3.38514	3.39498	3.40482	3.41467	3.42451
		-0.04	-0.00157			4.00	22.00		85.9695	86.2195	86.4695	86.7195	86.9695
						0.157	0.866	GREEN:	3.38463	3.39447	3.40431	3.41415	3.42400
									85.9775	86.2275	86.4775	86.7275	86.9775
									3.38494	3.39478	3.40463	3.41447	3.42431
								REMARKS: Measure for CYL Clearance: mm from Bottom of Skirt.					
PAGE #		257						85.980 Tolerance is +/- (mm inch) : 0.0045 0.00018					
CIR CLIP		NONE						SURFACE TREATMENT: NONE					
J05		NONE											
11-157	4	88.500	88.10	38.70	2.80	2.00	75.00	YELLOW:	88.4775	88.7275	88.9775	89.2275	89.4775
		3.484	3.469	1.524	0.110	0.079	2.953		3.48337	3.49321	3.50305	3.51289	3.52274
PISTON RING #		Total Clearance				2.50		WHITE:	88.4695	88.7195	88.9695	89.2195	89.4695
SWT10043		mm	inch			0.098		BLUE:	3.48305	3.49289	3.50274	3.51258	3.52242
		-0.04	-0.00157			4.00	22.00		88.4565	88.7065	88.9565	89.2065	89.4565
						0.157	0.866	GREEN:	3.48254	3.49238	3.50222	3.51207	3.52191
									88.4645	88.7145	88.9645	89.2145	89.4645
									3.48285	3.49270	3.50254	3.51238	3.52222
								REMARKS: Measure for CYL Clearance: 20.00 mm from Bottom of Skirt. 0.787 inch					
PAGE #		257						88.467 Tolerance is +/- (mm inch) : 0.0045 0.00018					
CIR CLIP		NONE						SURFACE TREATMENT: NONE					
J05		NONE											

PISTON BUYER'S GUIDE

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NOA PISTON SPECIFICATION AND PISTON RING # FOR KIT							PISTON DIAMETER MEASURING POINT EXPLANATION						
NOA PISTON PART #	C Y L	PISTON INFORMATION				1ST	PIN	COLOR CODE	-0 (STD)	-1 (0.25)	-2 (0.50)	-3 (0.75)	-4 (1.00)
		BORE	LENGTH	COMP.	DIST.	2ND	LENGTH		mm	mm	mm	mm	mm
		mm inch	mm inch	mm inch	mm inch	OIL1 OIL2	DIA. mm		inch	inch	inch	inch	inch
11-171	6	PAGE # 263						89.980	Tolerance is +/- (mm inch) : 0.0045 0.00018				
		90.000 3.543	95.50 3.760	47.50 1.870		3.00 0.118	80.00 3.150		YELLOW:	89.9905 3.54293	90.2405 3.55278	90.4905 3.56262	90.7405 3.57246
PISTON RING #		Total Clearance						WHITE:	89.9825 3.54262	90.2325 3.55246	90.4825 3.56230	90.7325 3.57215	90.9825 3.58199
SWT10026		mm	inch						BLUE:	89.9695 3.54211	90.2195 3.55195	90.4695 3.56179	90.7195 3.57163
		-0.04 -0.00157				4.00 0.157	25.15 0.990	GREEN:	89.9775 3.54242	90.2275 3.55226	90.4775 3.56211	90.7275 3.57195	90.9775 3.58179
				Cir Clip	NONE	SURFACE TREATMENT		REMARKS: Measure for CYL Clearance: mm from Bottom of Skirt.					
				J05	NONE	NONE							
11-174	6	PAGE # 265						93.970	Tolerance is +/- (mm inch) : 0.003 0.00012				
		94.000 3.701	95.50 3.760	47.22 1.859	6.50 0.256	2.00 0.079	72.00 2.835		YELLOW:	93.9630 3.69933	94.2130 3.70917	94.4630 3.71902	94.7130 3.72886
PISTON RING #		Total Clearance						RED:	93.9765 3.69986	94.2265 3.70970	94.4765 3.71955	94.7265 3.72939	94.9765 3.73923
SWT10049		mm	inch			2.50 0.098	25.15 0.990		BLUE:	93.9695 3.69959	94.2195 3.70943	94.4695 3.71927	94.7195 3.72911
		-0.04 -0.00157				4.00 0.157		GREEN:					
				Cir Clip	NONE	SURFACE TREATMENT		REMARKS: Measure for CYL Clearance: 15.00 mm from Bottom of Skirt.					
				T01	NONE	NONE							
11-175	6	PAGE # 265						94.000	Tolerance is +/- (mm inch) : 0.0025 0.00010				
		94.000 3.701	95.80 3.772	47.58 1.873	0.30 0.012	2.00 0.079	72.00 2.835		YELLOW:	93.9775 3.69990	94.2275 3.70974	94.4775 3.71959	94.7275 3.72943
PISTON RING #		Total Clearance						RED:	93.9675 3.69951	94.2175 3.70935	94.4675 3.71919	94.7175 3.72904	94.9675 3.73888
SWT10049		mm	inch			2.50 0.098	25.15 0.990		BLUE:	93.9625 3.69931	94.2125 3.70915	94.4625 3.71900	94.7125 3.72884
		-0.04 -0.00157				4.00 0.157		GREEN:	93.9725 3.69970	94.2225 3.70955	94.4725 3.71939	94.7225 3.72923	94.9725 3.73907
				Cir Clip	NONE	SURFACE TREATMENT		REMARKS: Measure for CYL Clearance: 15.00 mm from Bottom of Skirt.					
				C17	NONE	NONE							
11-236	4	PAGE # 225						86.970	Tolerance is +/- (mm inch) : 0.003 0.00012				
		87.000 3.425	67.00 2.638	32.00 1.260	2.20 0.087	1.50 0.059	72.00 2.835		YELLOW:	86.9630 3.42374	87.2130 3.43358	87.4630 3.44343	87.7130 3.45327
PISTON RING #		Total Clearance						RED:	86.9765 3.42427	87.2265 3.43411	87.4765 3.44396	87.7265 3.45380	87.9765 3.46364
SWN30054		mm	inch			1.50 0.059	21.00 0.827		BLUE:	86.9695 3.42400	87.2195 3.43384	87.4695 3.44368	87.7195 3.45352
		-0.04 -0.00157				4.00 0.157		GREEN:					
				Cir Clip	NONE	SURFACE TREATMENT		REMARKS: Measure for CYL Clearance: 10.00 mm from Bottom of Skirt.					
				T01	NONE	NONE							

PISTON BUYER'S GUIDE

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NOA PISTON SPECIFICATION AND PISTON RING # FOR KIT								PISTON DIAMETER MEASURING POINT EXPLANATION						
NOA PISTON PART #	C Y L	PISTON INFORMATION					1ST	PIN	COLOR CODE	-0 (STD)	-1 (0.25)	-2 (0.50)	-3 (0.75)	-4 (1.00)
		BORE	LENGTH	COMP.	DIST.	2ND	LENGTH	mm		mm	mm	mm	mm	
		mm inch	mm inch	mm inch	mm inch	OIL1	DIA.	inch		inch	inch	inch	inch	
PAGE #									MID	MID	MID	MID	MID	
11-238	4	89.000	70.40	33.80		4.00	2.00	66.50	YELLOW:	88.9775	89.2275	89.4775	89.7275	89.9775
		3.504	2.772	1.331	-	0.157	0.079	2.618		3.50305	3.51289	3.52274	3.53258	3.54242
PISTON RING #		Total Clearance							RED:	88.9675	89.2175	89.4675	89.7175	89.9675
		mm	inch							3.50266	3.51250	3.52234	3.53219	3.54203
SWN30085		-0.04	-0.00157						BLUE:	88.9625	89.2125	89.4625	89.7125	89.9625
										3.50246	3.51230	3.52215	3.53199	3.54183
									GREEN:	88.9725	89.2225	89.4725	89.7225	89.9725
										3.50285	3.51270	3.52254	3.53238	3.54222
				Cir Clip				REMARKS: Measure for CYL Clearance: 10.00 mm 0.394 inch from Bottom of Skirt.						
				NONE		SURFACE TREATMENT								
				C17		NONE								
PAGE #		259								91.970 Tolerance is +/- (mm inch): 0.0045 0.00018				
11-239	4	92.000	63.40	34.40		1.60	1.50	70.00	YELLOW:	91.9805	92.2305	92.4805	92.7305	92.9805
		3.622	2.496	1.354	-	0.063	0.059	2.756		3.62128	3.63112	3.64096	3.65081	3.66065
PISTON RING #		Total Clearance							WHITE:	91.9725	92.2225	92.4725	92.7225	92.9725
		mm	inch							3.62096	3.63081	3.64065	3.65049	3.66033
SWT10103		-0.04	-0.00157						BLUE:	91.9595	92.2095	92.4595	92.7095	92.9595
										3.62045	3.63030	3.64014	3.64998	3.65982
									GREEN:	91.9675	92.2175	92.4675	92.7175	92.9675
										3.62077	3.63061	3.64045	3.65030	3.66014
				Cir Clip				REMARKS: Measure for CYL Clearance: 26.00 mm 1.024 inch from Bottom of Skirt.						
						SURFACE TREATMENT								
				J05		NONE								
PAGE #		259								91.960 Tolerance is +/- (mm inch): 0.0045 0.00018				
11-241	4	92.000	92.50	39.00		1.50	2.00	75.00	YELLOW:	91.9705	92.2205	92.4705	92.7205	92.9705
		3.622	3.642	1.535	+	0.059	0.079	2.953		3.62089	3.63073	3.64057	3.65041	3.66026
PISTON RING #		Total Clearance							WHITE:	91.9625	92.2125	92.4625	92.7125	92.9625
		mm	inch							3.62057	3.63041	3.64026	3.65010	3.65994
SXT10077		-0.04	-0.00157						BLUE:	91.9495	92.1995	92.4495	92.6995	92.9495
										3.62006	3.62990	3.63974	3.64959	3.65943
									GREEN:	91.9575	92.2075	92.4575	92.7075	92.9575
										3.62037	3.63022	3.64006	3.64990	3.65974
				Cir Clip				REMARKS: Measure for CYL Clearance: 32.00 mm 1.260 inch from Bottom of Skirt.						
						SURFACE TREATMENT								
				J05		NONE								
PAGE #		3								75.000 Tolerance is +/- (mm inch): 0.0025 0.00010				
11-502	4	75.000	63.00	30.00		3.00	1.20	56.00	YELLOW:	74.9775	75.2275	75.4775	75.7275	75.9775
		2.953	2.480	1.181	+	0.118	0.047	2.205		2.95187	2.96171	2.97156	2.98140	2.99124
PISTON RING #		Total Clearance							RED:	74.9675	75.2175	75.4675	75.7175	75.9675
		mm	inch							2.95148	2.96132	2.97116	2.98100	2.99085
SWH30362		-0.04	-0.00157						BLUE:	74.9625	75.2125	75.4625	75.7125	75.9625
										2.95128	2.96112	2.97096	2.98081	2.99065
									GREEN:	74.9725	75.2225	75.4725	75.7225	75.9725
										2.95167	2.96152	2.97136	2.98120	2.99104
				Cir Clip				REMARKS: Measure for CYL Clearance: 15.00 mm 0.591 inch from Bottom of Skirt.						
				NONE		SURFACE TREATMENT								
				C17		NONE								

PISTON BUYER'S GUIDE

Cylinder Wall Clearance is showing
Total Diameter, not one side.
EX: -0.04 (Total) / 2 = -0.02 (one side)



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NOA PISTON SPECIFICATION AND PISTON RING # FOR KIT								PISTON DIAMETER MEASURING POINT EXPLANATION					
NOA PISTON PART #	C Y L	PISTON INFORMATION				1ST	PIN	COLOR CODE	-0 (STD)	-1 (0.25)	-2 (0.50)	-3 (0.75)	-4 (1.00)
		BORE	LENGTH	COMP.	DIST.	2ND	LENGTH		mm	mm	mm	mm	mm
		mm inch	mm inch	mm inch	mm inch	OIL1 OIL2	DIA. mm		inch	inch	inch	inch	inch
11-514	4	75.000	59.60	29.50	1.00	1.20	56.00	YELLOW:	74.9775	75.2275	75.4775	75.7275	75.9775
		2.953	2.346	1.161	-	0.039	0.047		2.205	2.95187	2.96171	2.97156	2.98140
PISTON RING #		Total Clearance				1.50		RED:	74.9675	75.2175	75.4675	75.7175	75.9675
SWH30362		mm	inch			0.059		2.95148	2.96132	2.97116	2.98100	2.99085	
		-0.04	-0.00157			2.80	19.00	BLUE:	74.9625	75.2125	75.4625	75.7125	75.9625
						0.110	0.748	2.95128	2.96112	2.97096	2.98081	2.99065	
				Cir Clip				GREEN:	74.9725	75.2225	75.4725	75.7225	75.9725
				NONE				2.95167	2.96152	2.97136	2.98120	2.99104	
				C17		NONE		REMARKS: Measure for CYL Clearance: 30.00 mm from Bottom of Skirt. 1.181 inch					
PAGE #		159											
11-515	4	74.000	59.80	29.80	2.70	1.50	56.00	YELLOW:	73.9775	74.2275	74.4775	74.7275	74.9775
		2.913	2.354	1.173	-	0.106	0.059		2.205	2.91250	2.92234	2.93219	2.94203
PISTON RING #		Total Clearance				1.50		RED:	73.9675	74.2175	74.4675	74.7175	74.9675
SWH30186		mm	inch			0.059		2.91211	2.92195	2.93179	2.94163	2.95148	
		-0.04	-0.00157			4.00	19.00	BLUE:	73.9625	74.2125	74.4625	74.7125	74.9625
						0.157	0.748	2.91191	2.92175	2.93159	2.94144	2.95128	
				Cir Clip				GREEN:	73.9725	74.2225	74.4725	74.7225	74.9725
				NONE				2.91230	2.92215	2.93199	2.94183	2.95167	
				C17		NONE		REMARKS: Measure for CYL Clearance: 17.50 mm from Bottom of Skirt. 0.689 inch					
PAGE #		159											
11-518	4	75.000	60.80	30.80		1.20	56.00	YELLOW:	74.9775	75.2275	75.4775	75.7275	75.9775
		2.953	2.394	1.213		0.047	2.205		2.95187	2.96171	2.97156	2.98140	2.99124
PISTON RING #		Total Clearance				1.50		RED:	74.9675	75.2175	75.4675	75.7175	75.9675
SWH30365		mm	inch			0.059		2.95148	2.96132	2.97116	2.98100	2.99085	
		-0.04	-0.00157			2.80	19.00	BLUE:	74.9625	75.2125	75.4625	75.7125	75.9625
						0.110	0.748	2.95128	2.96112	2.97096	2.98081	2.99065	
				Cir Clip				GREEN:	74.9725	75.2225	75.4725	75.7225	75.9725
				NONE				2.95167	2.96152	2.97136	2.98120	2.99104	
				C17		NONE		REMARKS: Measure for CYL Clearance: 10.00 mm from Bottom of Skirt. 0.394 inch					
PAGE #		159											
11-519	4	82.700	65.30	29.80	2.40	1.50	62.00	YELLOW:	82.6905	82.9405	83.1905	83.4405	83.6905
		3.256	2.571	1.173	-	0.094	0.059		2.441	3.25553	3.26537	3.27522	3.28506
PISTON RING #		Total Clearance				1.50		WHITE:	82.6825	82.9325	83.1825	83.4325	83.6825
SWH30366		mm	inch			0.059		3.25522	3.26506	3.27490	3.28474	3.29459	
		-0.04	-0.00157			4.00	20.00	BLUE:	82.6695	82.9195	83.1695	83.4195	83.6695
						0.157	0.787	3.25470	3.26455	3.27439	3.28423	3.29407	
				Cir Clip				GREEN:	82.6775	82.9275	83.1775	83.4275	83.6775
				NONE				3.25502	3.26486	3.27470	3.28455	3.29439	
				J05		NONE		REMARKS: Measure for CYL Clearance: 30.00 mm from Bottom of Skirt. 1.181 inch					
PAGE #		161											

PISTON BUYER'S GUIDE

Cylinder Wall Clearance is showing Total Diameter, not one side.
EX: -0.04 (Total) / 2 = -0.02 (one side)



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NOA PISTON SPECIFICATION AND PISTON RING # FOR KIT								PISTON DIAMETER MEASURING POINT EXPLANATION							
NOA PISTON PART #	C Y L	PISTON INFORMATION				1ST	PIN	COLOR CODE	-0 (STD)	-1 (0.25)	-2 (0.50)	-3 (0.75)	-4 (1.00)		
		BORE	LENGTH	COMP.	DIST.	2ND	LENGTH		mm	mm	mm	mm	mm		
		mm inch	mm inch	mm inch	mm inch	OIL1	DIA.		inch	inch	inch	inch	inch		
11-520	4	PAGE # 161						82.680	Tolerance is +/- (mm inch) : 0.0045 0.00013						
		82.700 3.256	65.20 2.567	29.80 1.173	-	1.70 0.067	1.50 0.059	61.00 2.402	YELLOW:	82.6905 3.25553	82.9405 3.26537	83.1905 3.27522	83.4405 3.28506	83.6905 3.29490	
		PISTON RING #		Total Clearance			2.90 0.11	1.50 0.059		WHITE:	82.6825 3.25522	82.9325 3.26506	83.1825 3.27490	83.4325 3.28474	83.6825 3.29459
		SWH30366	mm	inch	-	1.90 0.07	4.00 0.157	20.00 0.787	BLUE:	82.6695 3.25470	82.9195 3.26455	83.1695 3.27439	83.4195 3.28423	83.6695 3.29407	
				Cir Clip				GREEN:	82.6775 3.25502	82.9275 3.26486	83.1775 3.27470	83.4275 3.28455	83.6775 3.29439		
				NONE	SURFACE TREATMENT			REMARKS:							
				J05	NONE			Measure for CYL Clearance: 0.00 mm 0.000 inch from Bottom of Skirt.							
11-521	4	PAGE # 159						74.000	Tolerance is +/- (mm inch) : 0.0025 0.00010						
		74.000 2.913	59.70 2.350	29.70 1.169	-	3.30 0.130	1.00 0.039	56.00 2.205	YELLOW:						
		PISTON RING #		Total Clearance			1.20 0.047			RED:					
		SWH30374	mm	inch	-	2.80 0.110	19.00 0.748		BLUE:						
				Cir Clip				GREEN:							
				NONE	SURFACE TREATMENT			REMARKS:							
				T05	NONE			Measure for CYL Clearance: 10.00 mm 0.394 inch from Bottom of Skirt.							
11-524	4	PAGE # 161						81.000	Tolerance is +/- (mm inch) : 0.0025 0.00010						
		81.000 3.189	65.20 2.567	29.80 1.173	-	2.00 0.079	1.20 0.047	62.00 2.441	YELLOW:	80.9775 3.18809	81.2275 3.19793	81.4775 3.20778	81.7275 3.21762	81.9775 3.22746	
		PISTON RING #		Total Clearance			1.50 0.059			RED:	80.9675 3.18770	81.2175 3.19754	81.4675 3.20738	81.7175 3.21722	81.9675 3.22707
		SWH30375	mm	inch	-	2.80 0.110	20.00 0.787		BLUE:	80.9625 3.18750	81.2125 3.19734	81.4625 3.20719	81.7125 3.21703	81.9625 3.22687	
				Cir Clip				GREEN:	80.9725 3.18789	81.2225 3.19774	81.4725 3.20758	81.7225 3.21742	81.9725 3.22726		
				NONE	SURFACE TREATMENT			REMARKS:							
				C17	NONE			Measure for CYL Clearance: 9.00 mm 0.354 inch from Bottom of Skirt.							
11-525	4	PAGE # 161						81.000	Tolerance is +/- (mm inch) : 0.0025 0.00010						
		81.000 3.189	65.40 2.575	30.80 1.213	-	2.10 0.083	1.20 0.047	57.00 2.244	YELLOW:	80.9775 3.18809	81.2275 3.19793	81.4775 3.20778	81.7275 3.21762	81.9775 3.22746	
		PISTON RING #		Total Clearance			1.50 0.059			RED:	80.9675 3.18770	81.2175 3.19754	81.4675 3.20738	81.7175 3.21722	81.9675 3.22707
		SWH30375	mm	inch	-	2.80 0.110	22.00 0.866		BLUE:	80.9625 3.18750	81.2125 3.19734	81.4625 3.20719	81.7125 3.21703	81.9625 3.22687	
				Cir Clip				GREEN:	80.9725 3.18789	81.2225 3.19774	81.4725 3.20758	81.7225 3.21742	81.9725 3.22726		
				NONE	SURFACE TREATMENT			REMARKS:							
				C17	NONE			Measure for CYL Clearance: 9.00 mm 0.354 inch from Bottom of Skirt.							

PISTON BUYER'S GUIDE

Cylinder Wall Clearance is showing
Total Diameter, not one side.
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NOA PISTON SPECIFICATION AND PISTON RING # FOR KIT							PISTON DIAMETER MEASURING POINT EXPLANATION							
NOA PISTON PART #	C Y L	PISTON INFORMATION				1ST	PIN	COLOR CODE	-0 (STD)	-1 (0.25)	-2 (0.50)	-3 (0.75)	-4 (1.00)	
		BORE	LENGTH	COMP.	DIST.	2ND	LENGTH		mm	mm	mm	mm	mm	
		mm	mm	mm	mm	OIL1	DIA.	inch	inch	inch	inch	inch		
		inch	inch	inch	inch	OIL2	mm	MID	MID	MID	MID	MID		
11-529	4	75.500	58.00	29.00	-	0.70	1.50	75.500	75.725	75.975	76.225	76.475		
		2.972	2.283	1.142		0.028	0.059						2.362	
PISTON RING #		Total Clearance												
		mm	inch											
SWM31063		-0.04	-0.00157											
				Cir Clip										
				NONE		SURFACE TREATMENT								
				C17		NONE								
PAGE #		13	167											
75.500		Tolerance is +/- (mm inch) :												
2.972		0.0025 0.00010												
YELLOW:		75.4775	75.7275	75.9775										
		2.97156	2.98140	2.99124										
RED:		75.4675	75.7175	75.9675										
		2.97116	2.98100	2.99085										
BLUE:		75.4625	75.7125	75.9625										
		2.97096	2.98081	2.99065										
GREEN:		75.4725	75.7225	75.9725										
		2.97136	2.98120	2.99104										
REMARKS:		Measure for CYL		7.00 mm		from Bottom of								
		Clearance:		0.276 inch		Skirt.								
11-530	4	75.500	58.60	29.40	-	3.60	1.50	75.500	75.725	75.975	76.225	76.475		
		2.972	2.307	1.157		0.142	0.059						2.362	
PISTON RING #		Total Clearance												
		mm	inch											
SWM31063		-0.04	-0.00157											
				Cir Clip										
				NONE		SURFACE TREATMENT								
				C17		NONE								
PAGE #		13	167											
75.500		Tolerance is +/- (mm inch) :												
2.972		0.0025 0.00010												
YELLOW:		75.4775	75.7275	75.9775										
		2.97156	2.98140	2.99124										
RED:		75.4675	75.7175	75.9675										
		2.97116	2.98100	2.99085										
BLUE:		75.4625	75.7125	75.9625										
		2.97096	2.98081	2.99065										
GREEN:		75.4725	75.7225	75.9725										
		2.97136	2.98120	2.99104										
REMARKS:		Measure for CYL		10.00 mm		from Bottom of								
		Clearance:		0.394 inch		Skirt.								
11-531	4	75.500	58.00	29.00	-	0.50	1.20	75.500	75.7350	75.9850	76.2350	76.4850		
		2.972	2.283	1.142		0.020	0.047						2.205	
PISTON RING #		Total Clearance												
		mm	inch											
SWM31076		-0.02	-0.00079											
				Cir Clip										
				NONE		SURFACE TREATMENT								
				J05		NONE								
PAGE #		13	211											
75.500		Tolerance is +/- (mm inch) :												
2.972		0.0045 0.00018												
YELLOW:		75.4850	75.7350	75.9850										
		2.97185	2.98169	2.99154										
WHITE:		75.4825	75.7325	75.9825										
		2.97175	2.98159	2.99144										
BLUE:		75.4750	75.7250	75.9750										
		2.97146	2.98130	2.99114										
GREEN:		75.4775	75.7275	75.9775										
		2.97156	2.98140	2.99124										
REMARKS:		Measure for CYL		19.00 mm		from Bottom of								
		Clearance:		0.748 inch		Skirt.								
11-536	4	86.500	67.40	35.00	+	0.30	1.20	86.500	86.7275	86.9775	87.2275	87.4775		
		3.406	2.654	1.378		0.012	0.047						2.441	
PISTON RING #		Total Clearance												
		mm	inch											
SWM31072		-0.04	-0.00157											
				Cir Clip										
				NONE		SURFACE TREATMENT								
				C17		NONE								
PAGE #		213												
86.500		Tolerance is +/- (mm inch) :												
3.406		0.0025 0.00010												
YELLOW:		86.4775	86.7275	86.9775										
		3.40463	3.41447	3.42431										
RED:		86.4675	86.7175	86.9675										
		3.40423	3.41407	3.42392										
BLUE:		86.4625	86.7125	86.9625										
		3.40404	3.41388	3.42372										
GREEN:		86.4725	86.7225	86.9725										
		3.40443	3.41427	3.42411										
REMARKS:		Measure for CYL		10.00 mm		from Bottom of								
		Clearance:		0.394 inch		Skirt.								

PISTON BUYER'S GUIDE

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NOA PISTON SPECIFICATION AND PISTON RING # FOR KIT							PISTON DIAMETER MEASURING POINT EXPLANATION						
NOA PISTON PART #	C Y L	PISTON INFORMATION				1ST	PIN	COLOR CODE	-0 (STD)	-1 (0.25)	-2 (0.50)	-3 (0.75)	-4 (1.00)
		BORE	LENGTH	COMP.	DIST.	2ND	LENGTH		mm	mm	mm	mm	mm
		mm inch	mm inch	mm inch	mm inch	OIL1	DIA.		inch	inch	inch	inch	inch
11-538	4	86.500	72.40	34.90	+	0.50	1.50	72.00	86.500	72.400	34.900	0.500	1.500
		3.406	2.850	1.374		0.020	0.059						
PISTON RING #		Total Clearance		+	0.30	1.50	21.00	86.500	72.400	34.900	0.500	1.500	
SWM31037		mm	inch										0.01
		-0.04	-0.00157			4.00	0.827						
				Cir Clip		SURFACE TREATMENT		REMARKS:					
				NONE		NONE		Measure for CYL Clearance: 15.00 mm from Bottom of Skirt.					
				C17		NONE							
PAGE #		21	169					86.500 Tolerance is +/- (mm inch) : 0.0025 0.00010					
11-539	4	85.000	72.30	35.20	-	5.00	1.50	72.00	84.965	72.300	35.200	5.000	1.500
		3.346	2.846	1.386		0.197	0.059						
PISTON RING #		Total Clearance		-	7.30	1.50	21.00	84.965	72.300	35.200	5.000	1.500	
SWM31044		mm	inch										0.29
		-0.04	-0.00157			4.00	0.827						
				Cir Clip		SURFACE TREATMENT		REMARKS:					
				NONE		NONE		Measure for CYL Clearance: 17.00 mm from Bottom of Skirt.					
				J05		NONE							
PAGE #		17	211					84.954 Tolerance is +/- (mm inch) : 0.0045 0.00018					
11-540	4	85.000	67.00	35.00	-	2.10	1.20	66.00	84.967	67.000	35.000	2.100	1.200
		3.346	2.638	1.378		0.083	0.047						
PISTON RING #		Total Clearance		-	1.50	1.50	21.00	84.967	67.000	35.000	2.100	1.200	
SWM31048		mm	inch										0.059
		-0.04	-0.00157			3.00	0.827						
				Cir Clip		SURFACE TREATMENT		REMARKS:					
				NONE		NONE		Measure for CYL Clearance: 10.00 mm from Bottom of Skirt.					
				C17		NONE							
PAGE #		17	213					85.000 Tolerance is +/- (mm inch) : 0.0025 0.00010					
11-543	6	91.100	66.50	32.00	+	0.50	1.20	64.00	91.077	66.500	32.000	0.500	1.200
		3.587	2.618	1.260		0.020	0.047						
PISTON RING #		Total Clearance		+	1.50	0.059	22.00	91.077	66.500	32.000	0.500	1.200	
SWM31078		mm	inch										0.059
		-0.04	-0.00157			3.00	0.866						
				Cir Clip		SURFACE TREATMENT		REMARKS:					
				NONE		NONE		Measure for CYL Clearance: 15.00 mm from Bottom of Skirt.					
				C17		NONE							
PAGE #		33	215					91.100 Tolerance is +/- (mm inch) : 0.0025 0.00010					

PISTON BUYER'S GUIDE

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NOA PISTON PART #	C Y L	PISTON INFORMATION				1ST	PIN	COLOR CODE	-0 (STD)	-1 (0.25)	-2 (0.50)	-3 (0.75)	-4 (1.00)
		BORE	LENGTH	COMP.	DIST.	2ND	LENGTH		mm	mm	mm	mm	mm
		mm inch	mm inch	mm inch	mm inch	OIL1 OIL2	DIA. mm		inch	inch	inch	inch	inch
11-545	4	80.600	72.00	34.00	+	4.00	1.50	80.600	Tolerance is +/- (mm inch) :	0.0025		0.00010	
		3.173	2.835	1.339		0.157	0.059			2.520	mm	mm	mm
PISTON RING #		Total Clearance				1.50							
SWM31041		mm	inch			0.059							
		-0.04	-0.00157			4.00	19.00						
		-0.00157				0.157	0.748						
		Cir Clip											
		NONE				SURFACE TREATMENT		REMARKS:					
		C17				NONE		Measure for CYL Clearance: 15.00 mm from Bottom of Skirt.					
								0.591 inch					
PAGE #		13	211										
11-546	4	85.000	67.00	35.00	-	5.40	1.20	84.980	Tolerance is +/- (mm inch) :	0.0045		0.00018	
		3.346	2.638	1.378		0.213	0.047			2.598	mm	mm	mm
PISTON RING #		Total Clearance				1.50							
SWM31048		mm	inch			0.059							
		-0.04	-0.00157			3.00	21.00						
		-0.00157				0.118	0.827						
		Cir Clip											
		NONE				SURFACE TREATMENT		REMARKS:					
		J05				Anodized Head		Measure for CYL Clearance: 26.00 mm from Bottom of Skirt.					
								1.024 inch					
PAGE #		17	213										
11-547	6	91.100	65.90	31.90	-	3.40	1.20	91.080	Tolerance is +/- (mm inch) :	0.01		0.00039	
		3.587	2.594	1.256		0.134	0.047			2.520	mm	mm	mm
PISTON RING #		Total Clearance				1.50							
SWM31078		mm	inch			0.059							
		-0.04	-0.00157			3.00	22.00						
		-0.00157				0.118	0.866						
		Cir Clip											
		NONE				SURFACE TREATMENT		REMARKS:					
		T03				NONE		Measure for CYL Clearance: 15.00 mm from Bottom of Skirt.					
								0.591 inch					
PAGE #		33	215										
11-549	6	91.100	68.20	32.20	-	3.00	1.50	91.100	Tolerance is +/- (mm inch) :	0.0025		0.00010	
		3.587	2.685	1.268		0.118	0.059			2.520	mm	mm	mm
PISTON RING #		Total Clearance				1.50							
SWM31080		mm	inch			0.059							
		-0.04	-0.00157			4.00	22.00						
		-0.00157				0.157	0.866						
		Cir Clip											
		NONE				SURFACE TREATMENT		REMARKS:					
		C17				NONE		Measure for CYL Clearance: 8.00 mm from Bottom of Skirt.					
								0.315 inch					
PAGE #		31	33	169	217								

PISTON BUYER'S GUIDE

Cylinder Wall Clearance is showing
Total Diameter, not one side.
EX: -0.04 (Total) / 2 = -0.02 (one side)



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NOA PISTON SPECIFICATION AND PISTON RING # FOR KIT							PISTON DIAMETER MEASURING POINT EXPLANATION						
NOA PISTON PART #	C Y L	PISTON INFORMATION				1ST	PIN	COLOR CODE	-0 (STD)	-1 (0.25)	-2 (0.50)	-3 (0.75)	-4 (1.00)
		BORE	LENGTH	COMP.	DIST.	2ND	LENGTH		mm	mm	mm	mm	mm
		mm inch	mm inch	mm inch	mm inch	OIL1	DIA.		inch	inch	inch	inch	inch
11-554	4	89.300	81.00	39.00	-	5.20	1.50	YELLOW:	89.2775	89.5275	89.7775	90.0275	90.2775
		3.516	3.189	1.535		0.205	0.059		3.031	3.51486	3.52470	3.53455	3.54439
PISTON RING #		Total Clearance				1.50		RED:	89.2675	89.5175	89.7675	90.0175	90.2675
		mm	inch			0.059			3.51447	3.52431	3.53415	3.54400	3.55384
SW110123		-0.04	-0.00157			4.00	23.00	BLUE:	89.2625	89.5125	89.7625	90.0125	90.2625
						0.157	0.906		3.51427	3.52411	3.53396	3.54380	3.55364
				Cir Clip				GREEN:	89.2725	89.5225	89.7725	90.0225	90.2725
				NONE		SURFACE TREATMENT		REMARKS:					
				C17		NONE		Measure for CYL Clearance: 30.00 mm from Bottom of Skirt.					
								Clearance: 1.181 inch					
PAGE #		179											
11-555	4	92.600	79.00	36.50	-	1.40	1.50	YELLOW:	92.5775	92.8275	93.0775	93.3275	93.5775
		3.646	3.110	1.437		0.055	0.059		2.835	3.64478	3.65463	3.66447	3.67431
PISTON RING #		Total Clearance				1.50		RED:	92.5675	92.8175	93.0675	93.3175	93.5675
		mm	inch			0.059			3.64439	3.65423	3.66407	3.67392	3.68376
SW110144		-0.04	-0.00157			4.00	23.00	BLUE:	92.5625	92.8125	93.0625	93.3125	93.5625
						0.157	0.906		3.64419	3.65404	3.66388	3.67372	3.68356
				Cir Clip				GREEN:	92.5725	92.8225	93.0725	93.3225	93.5725
				NONE		SURFACE TREATMENT		REMARKS:					
				C17		NONE		Measure for CYL Clearance: 25.00 mm from Bottom of Skirt.					
								Clearance: 0.984 inch					
PAGE #		179											
11-558	4	88.000	80.10	37.00	-	2.00	1.50	YELLOW:	87.9775	88.2275	88.4775	88.7275	88.9775
		3.465	3.154	1.457		0.079	0.059		3.031	3.46368	3.47352	3.48337	3.49321
PISTON RING #		Total Clearance				1.50		RED:	87.9675	88.2175	88.4675	88.7175	88.9675
		mm	inch			0.059			3.46329	3.47313	3.48297	3.49281	3.50266
SW110133		-0.04	-0.00157			4.00	22.00	BLUE:	87.9625	88.2125	88.4625	88.7125	88.9625
						0.157	0.866		3.46309	3.47293	3.48278	3.49262	3.50246
				Cir Clip				GREEN:	87.9725	88.2225	88.4725	88.7225	88.9725
				NONE		SURFACE TREATMENT		REMARKS:					
				C17		NONE		Measure for CYL Clearance: 10.00 mm from Bottom of Skirt.					
								Clearance: 0.394 inch					
PAGE #		177											
11-559	4	92.600	79.00	36.50	-	4.50	1.50	YELLOW:	92.5775	92.8275	93.0775	93.3275	93.5775
		3.646	3.110	1.437		0.177	0.059		2.835	3.64478	3.65463	3.66447	3.67431
PISTON RING #		Total Clearance				1.50		RED:	92.5675	92.8175	93.0675	93.3175	93.5675
		mm	inch			0.059			3.64439	3.65423	3.66407	3.67392	3.68376
SW110144		-0.04	-0.00157			4.00	23.00	BLUE:	92.5625	92.8125	93.0625	93.3125	93.5625
						0.157	0.906		3.64419	3.65404	3.66388	3.67372	3.68356
				Cir Clip				GREEN:	92.5725	92.8225	93.0725	93.3225	93.5725
				NONE		SURFACE TREATMENT		REMARKS:					
				C17		NONE		Measure for CYL Clearance: 25.00 mm from Bottom of Skirt.					
								Clearance: 0.984 inch					
PAGE #		165 179											

PISTON BUYER'S GUIDE

Cylinder Wall Clearance is showing
Total Diameter, not one side.
EX: -0.04 (Total) / 2 = -0.02 (one side)



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NOA PISTON SPECIFICATION AND PISTON RING # FOR KIT								PISTON DIAMETER MEASURING POINT EXPLANATION					
NOA PISTON PART #	C Y L	PISTON INFORMATION				1ST	PIN	COLOR CODE	-0 (STD)	-1 (0.25)	-2 (0.50)	-3 (0.75)	-4 (1.00)
		BORE	LENGTH	COMP.	DIST.	2ND	LENGTH		mm	mm	mm	mm	mm
		mm	mm	mm	mm	OIL1	DIA.	inch	inch	inch	inch	inch	
		inch	inch	inch	inch	OIL2	mm	MID	MID	MID	MID	MID	
11-573	4	86.000	71.40	36.50	-	9.50	1.50	86.000	Tolerance is +/- (mm inch) : 0.0025 0.00010				
		3.386	2.811	1.437		0.374	0.059		2.638	YELLOW:	85.9775	86.2275	86.4775
PISTON RING #		Total Clearance											
		mm	inch										
SWT20048		-0.04	-0.00157										
				Cir Clip									
				NONE		SURFACE TREATMENT							
				C17		NONE							
PAGE #		61		203									
11-575	6	90.000	74.00	35.50	-	3.60	1.50	90.000	Tolerance is +/- (mm inch) : 0.0025 0.00010				
		3.543	2.913	1.398		0.142	0.059		3.031	YELLOW:	89.9775	90.2275	90.4775
PISTON RING #		Total Clearance											
		mm	inch										
SWT20062		-0.04	-0.00157										
				Cir Clip									
				NONE		SURFACE TREATMENT							
				C17		Moly Skirt							
PAGE #		205											
11-579	4	78.000	63.50	32.30	-	1.30	1.50	78.000	Tolerance is +/- (mm inch) : 0.0025 0.00010				
		3.071	2.500	1.272		0.051	0.059		2.441	YELLOW:	77.9775	78.2275	78.4775
PISTON RING #		Total Clearance											
		mm	inch										
SWT20060		-0.04	-0.00157										
				Cir Clip									
				NONE		SURFACE TREATMENT							
				C17		NONE							
PAGE #		199											
11-580	4	92.000	73.70	35.40	-	8.70	1.50	92.000	Tolerance is +/- (mm inch) : 0.0025 0.00010				
		3.622	2.902	1.394		0.343	0.059		2.480	YELLOW:	91.9775	92.2275	92.4775
PISTON RING #		Total Clearance											
		mm	inch										
SWT20064		-0.04	-0.00157										
				Cir Clip									
				NONE		SURFACE TREATMENT							
				C17		NONE							
PAGE #		205											
REMARKS:		Measure for CYL		15.00 mm		from Bottom of Skirt.							
		Clearance:		0.591 inch									
REMARKS:		Measure for CYL		10.00 mm		from Bottom of Skirt.							
		Clearance:		0.394 inch									
CAUTION!!!: Bore diameter is measured before skirt Surface Treatment. To Determine "Bore" to Diameter, add wall clearance of +0.04mm (0.00157") to maximum Bore Size.													
REMARKS:		Measure for CYL		10.00 mm		from Bottom of Skirt.							
		Clearance:		0.394 inch									
REMARKS:		Measure for CYL		10.00 mm		from Bottom of Skirt.							
		Clearance:		0.394 inch									

PISTON BUYER'S GUIDE

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NOA PISTON SPECIFICATION AND PISTON RING # FOR KIT							PISTON DIAMETER MEASURING POINT EXPLANATION						
NOA PISTON PART #	C Y L	PISTON INFORMATION				1ST	PIN	COLOR CODE	-0 (STD)	-1 (0.25)	-2 (0.50)	-3 (0.75)	-4 (1.00)
		BORE	LENGTH	COMP.	DIST.	2ND	LENGTH		mm	mm	mm	mm	mm
		mm inch	mm inch	mm inch	mm inch	OIL1 OIL2	DIA. mm		inch	inch	inch	inch	inch
11-582	4	86.000	71.50	36.50	7.00	1.50	66.00	85.980 Tolerance is +/- (mm inch) : 0.003 0.00012					
		3.386	2.815	1.437	0.276	0.059	2.598	YELLOW:	85.9730 3.38476	86.2230 3.39461	86.4730 3.40445	86.7230 3.41429	86.9730 3.42413
PISTON RING #		Total Clearance						RED:	85.9865 3.38530	86.2365 3.39514	86.4865 3.40498	86.7365 3.41482	86.9865 3.42467
SWT20048		mm	inch					BLUE:	85.9795 3.38502	86.2295 3.39486	86.4795 3.40470	86.7295 3.41455	86.9795 3.42439
		-0.04	-0.00157					REMARKS: Measure for CYL Clearance: 15.00 mm from Bottom of Skirt. 0.591 inch					
				Cir Clip		NONE		SURFACE TREATMENT					
				NONE		NONE							
				T01		NONE							
PAGE #		61		203									
11-583	4	86.000	71.00	36.00	5.40	1.50	67.00	86.000 Tolerance is +/- (mm inch) : 0.0025 0.00010					
		3.386	2.795	1.417	0.213	0.059	2.638	YELLOW:	85.9775 3.38494	86.2275 3.39478	86.4775 3.40463	86.7275 3.41447	86.9775 3.42431
PISTON RING #		Total Clearance						RED:	85.9675 3.38455	86.2175 3.39439	86.4675 3.40423	86.7175 3.41407	86.9675 3.42392
SWT20048		mm	inch					BLUE:	85.9625 3.38435	86.2125 3.39419	86.4625 3.40404	86.7125 3.41388	86.9625 3.42372
		-0.04	-0.00157					GREEN:	85.9725 3.38474	86.2225 3.39459	86.4725 3.40443	86.7225 3.41427	86.9725 3.42411
				Cir Clip		NONE		REMARKS: Measure for CYL Clearance: 10.00 mm from Bottom of Skirt. 0.394 inch					
				NONE		NONE							
				C17		NONE							
PAGE #		61		203									
11-584	4	83.000	61.00	30.70	2.50	1.50	61.00	83.000 Tolerance is +/- (mm inch) : 0.0025 0.00010					
		3.268	2.402	1.209	0.098	0.059	2.402	YELLOW:	82.9775 3.26683	83.2275 3.27667	83.4775 3.28652	83.7275 3.29636	83.9775 3.30620
PISTON RING #		Total Clearance						RED:	82.9675 3.26644	83.2175 3.27628	83.4675 3.28612	83.7175 3.29596	83.9675 3.30581
SWT20066		mm	inch					BLUE:	82.9625 3.26624	83.2125 3.27608	83.4625 3.28593	83.7125 3.29577	83.9625 3.30561
		-0.04	-0.00157					GREEN:	82.9725 3.26663	83.2225 3.27648	83.4725 3.28632	83.7225 3.29616	83.9725 3.30600
				Cir Clip		NONE		REMARKS: Measure for CYL Clearance: 10.00 mm from Bottom of Skirt. 0.394 inch					
				NONE		NONE							
				C17		NONE							
PAGE #		201											
11-589	4	71.000	60.00	28.70	1.00	1.20	55.00	70.980 Tolerance is +/- (mm inch) : 0.003 0.00012					
		2.795	2.362	1.130	0.039	0.047	2.165	YELLOW:	70.9730 2.79421	71.2230 2.80406	71.4730 2.81390	71.7230 2.82374	71.9730 2.83358
PISTON RING #		Total Clearance						RED:	70.9865 2.79474	71.2365 2.80459	71.4865 2.81443	71.7365 2.82427	71.9865 2.83411
SWT20052		mm	inch					BLUE:	70.9795 2.79447	71.2295 2.80431	71.4795 2.81415	71.7295 2.82400	71.9795 2.83384
		-0.04	-0.00157					REMARKS: Measure for CYL Clearance: 12.00 mm from Bottom of Skirt. 0.472 inch					
				Cir Clip		NONE							
				NONE		NONE							
				T01		NONE							
PAGE #		57											

PISTON BUYER'S GUIDE

Cylinder Wall Clearance is showing Total Diameter, not one side.
EX: -0.04 (Total) / 2 = -0.02 (one side)



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NOA PISTON SPECIFICATION AND PISTON RING # FOR KIT							PISTON DIAMETER MEASURING POINT EXPLANATION						
NOA PISTON PART #	C Y L	PISTON INFORMATION				1ST	PIN	COLOR CODE	-0 (STD)	-1 (0.25)	-2 (0.50)	-3 (0.75)	-4 (1.00)
		BORE	LENGTH	COMP.	DIST.	2ND	LENGTH		mm	mm	mm	mm	mm
		mm inch	mm inch	mm inch	mm inch	OIL1	DIA.		inch	inch	inch	inch	inch
11-590	4	76.000	54.00	29.50	5.20	1.50	52.00	YELLOW:	75.9775	76.2275	76.4775	76.7275	76.9775
		2.992	2.126	1.161	0.205	0.059	2.047		2.99124	3.00108	3.01093	3.02077	3.03061
PISTON RING #		Total Clearance				1.50		RED:	75.9675	76.2175	76.4675	76.7175	76.9675
SWN30097		mm	inch			0.059			2.99085	3.00069	3.01053	3.02037	3.03022
		-0.04	-0.00157			2.80	19.00	BLUE:	75.9625	76.2125	76.4625	76.7125	76.9625
						0.110	0.748		2.99065	3.00049	3.01033	3.02018	3.03002
								GREEN:	75.9725	76.2225	76.4725	76.7225	76.9725
									2.99104	3.00089	3.01073	3.02057	3.03041
		Cir Clip						REMARKS:					
								Measure for CYL Clearance: 15.00 mm from Bottom of Skirt.					
		C17						Clearance: 0.591 inch					
PAGE # 221													
11-598	4	89.000	68.30	34.00	6.60	1.50	61.50	YELLOW:					
		3.504	2.689	1.339	0.260	0.059	2.421						
PISTON RING #		Total Clearance				1.50		RED:	88.9700	89.2200	89.4700	89.7200	89.9700
SWN30096		mm	inch			0.059			3.50276	3.51260	3.52244	3.53228	3.54213
		-0.04	-0.00157			2.80	21.00	GREEN:	88.9900	89.2400	89.4900	89.7400	89.9900
						0.110	0.827		3.50354	3.51339	3.52323	3.53307	3.54291
		Cir Clip						REMARKS:					
								Measure for CYL Clearance: 17.00 mm from Bottom of Skirt.					
		T03						Clearance: 0.669 inch					
PAGE # 225													
11-600	4	89.000	68.30	34.00	0.50	1.50	59.00	YELLOW:	88.9830	89.2330	89.4830	89.7330	89.9830
		3.504	2.689	1.339	0.020	0.059	2.323		3.50327	3.51311	3.52295	3.53280	3.54264
PISTON RING #		Total Clearance				1.50		RED:	88.9965	89.2465	89.4965	89.7465	89.9965
SWN30096		mm	inch			0.059			3.50380	3.51364	3.52348	3.53333	3.54317
		-0.04	-0.00157			2.80	21.00	BLUE:	88.9895	89.2395	89.4895	89.7395	89.9895
						0.110	0.827		3.50352	3.51337	3.52321	3.53305	3.54289
		Cir Clip						REMARKS:					
								Measure for CYL Clearance: 5.00 mm from Bottom of Skirt.					
		C17						Clearance: 0.197 inch					
PAGE # 225													
11-601	4	76.000	54.00	29.50	4.80	1.50	52.00	YELLOW:	75.9775	76.2275	76.4775	76.7275	76.9775
		2.992	2.126	1.161	0.189	0.059	2.047		2.99124	3.00108	3.01093	3.02077	3.03061
PISTON RING #		Total Clearance				1.50		RED:	75.9675	76.2175	76.4675	76.7175	76.9675
SWN30104		mm	inch			0.059			2.99085	3.00069	3.01053	3.02037	3.03022
		-0.04	-0.00157			2.80	19.00	BLUE:	75.9625	76.2125	76.4625	76.7125	76.9625
						0.110	0.748		2.99065	3.00049	3.01033	3.02018	3.03002
								GREEN:	75.9725	76.2225	76.4725	76.7225	76.9725
									2.99104	3.00089	3.01073	3.02057	3.03041
		Cir Clip						REMARKS:					
								Measure for CYL Clearance: 10.00 mm from Bottom of Skirt.					
		C17						Clearance: 0.394 inch					
PAGE # 221													

PISTON BUYER'S GUIDE

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NOA PISTON SPECIFICATION AND PISTON RING # FOR KIT							PISTON DIAMETER MEASURING POINT EXPLANATION						
NOA PISTON PART #	C Y L	PISTON INFORMATION				1ST	PIN	COLOR CODE	-0 (STD)	-1 (0.25)	-2 (0.50)	-3 (0.75)	-4 (1.00)
		BORE	LENGTH	COMP.	DIST.	2ND	LENGTH		mm	mm	mm	mm	mm
		mm inch	mm inch	mm inch	mm inch	OIL1 OIL2	DIA. mm		inch	inch	inch	inch	inch
11-602	4	86.000	63.00	32.00	0.90	1.50	60.00	YELLOW:	85.9775	86.2275	86.4775	86.7275	86.9775
		3.386	2.480	1.260	0.035	0.059	2.362		3.38494	3.39478	3.40463	3.41447	3.42431
PISTON RING #		Total Clearance				1.50		RED:	85.9675	86.2175	86.4675	86.7175	86.9675
SWN30102		mm	inch			0.059		BLUE:	3.38455	3.39439	3.40423	3.41407	3.42392
		-0.04	-0.00157			3.00	22.00	GREEN:	85.9625	86.2125	86.4625	86.7125	86.9625
						0.118	0.866		3.38435	3.39419	3.40404	3.41388	3.42372
		Cir Clip						REMARKS:	85.9725	86.2225	86.4725	86.7225	86.9725
								Measure for CYL	3.38474	3.39459	3.40443	3.41427	3.42411
		C17				NONE		Clearance:	10.00 mm from Bottom of Skirt.				
		NONE						0.394 inch					
PAGE #		173	225					Tolerance is +/- (mm inch) : 0.0025 0.00010					
11-603	6	87.000	67.00	32.00		1.50	64.00	YELLOW:	86.9775	87.2275	87.4775	87.7275	87.9775
		3.425	2.638	1.260		0.059	2.520		3.42431	3.43415	3.44400	3.45384	3.46368
PISTON RING #		Total Clearance				1.50		RED:	86.9675	87.2175	87.4675	87.7175	87.9675
SWN30058		mm	inch			0.059		BLUE:	3.42392	3.43376	3.44360	3.45344	3.46329
		-0.04	-0.00157			2.80	21.00	GREEN:	86.9625	87.2125	87.4625	87.7125	87.9625
						0.110	0.827		3.42372	3.43356	3.44341	3.45325	3.46309
		Cir Clip						REMARKS:	86.9725	87.2225	87.4725	87.7225	87.9725
								Measure for CYL	3.42411	3.43396	3.44380	3.45364	3.46348
		C17				NONE		Clearance:	10.00 mm from Bottom of Skirt.				
		NONE						0.394 inch					
PAGE #		65	173	229				Tolerance is +/- (mm inch) : 0.0025 0.00010					
11-609	4	89.000	68.30	34.00	6.60	1.50	61.50	RED:	88.9700	89.2200	89.4700	89.7200	89.9700
		3.504	2.689	1.339	0.260	0.059	2.421		3.50276	3.51260	3.52244	3.53228	3.54213
PISTON RING #		Total Clearance				1.50		GREEN:	88.9900	89.2400	89.4900	89.7400	89.9900
SWN30118		mm	inch			0.059			3.50354	3.51339	3.52323	3.53307	3.54291
		-0.04	-0.00157			2.80	21.00	REMARKS:	Measure for CYL 17.00 mm from Bottom of Skirt.				
						0.110	0.827	Clearance:	0.669 inch				
		Cir Clip						CAUTION!!!: Bore diameter is measured before skirt Surface Treatment. To Determine "Bore" to Diameter, add wall clearance of +0.04mm (0.00157") to maximum Bore Size.					
								Anodized Head					
		C17				NONE							
PAGE #		225						Tolerance is +/- (mm inch) : 0.01 0.00039					
11-610	4	92.000	65.00	31.50		1.20	70.00	YELLOW:	91.9775	92.2275	92.4775	92.7275	92.9775
		3.622	2.559	1.240		0.047	2.756		3.62116	3.63100	3.64085	3.65069	3.66053
PISTON RING #		Total Clearance				1.50		RED:	91.9675	92.2175	92.4675	92.7175	92.9675
SWF20057		mm	inch			0.059		BLUE:	3.62077	3.63061	3.64045	3.65030	3.66014
		-0.04	-0.00157			4.00	21.00	GREEN:	91.9625	92.2125	92.4625	92.7125	92.9625
						0.157	0.827		3.62057	3.63041	3.64026	3.65010	3.65994
		Cir Clip						REMARKS:	91.9725	92.2225	92.4725	92.7225	92.9725
								Measure for CYL	3.62096	3.63081	3.64065	3.65049	3.66033
		C17				NONE		Clearance:	10.00 mm from Bottom of Skirt.				
		NONE						0.394 inch					
PAGE #		239						Tolerance is +/- (mm inch) : 0.0025 0.00010					

PISTON BUYER'S GUIDE

Cylinder Wall Clearance is showing
Total Diameter, not one side.
EX: -0.04 (Total) / 2 = -0.02 (one side)



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NOA PISTON SPECIFICATION AND PISTON RING # FOR KIT							PISTON DIAMETER MEASURING POINT EXPLANATION						
NOA PISTON PART #	C Y L	PISTON INFORMATION				1ST	PIN	COLOR CODE	-0 (STD)	-1 (0.25)	-2 (0.50)	-3 (0.75)	-4 (1.00)
		BORE	LENGTH	COMP.	DIST.	2ND	LENGTH		mm	mm	mm	mm	mm
		mm	mm	mm	mm	OIL1	DIA.	inch	inch	inch	inch	inch	
		inch	inch	inch	inch	OIL2	mm	MID	MID	MID	MID	MID	
11-612	4	96.900	68.10	33.30	-	2.60	58.00	97.000 Tolerance is +/- (mm inch) : 0.0025 0.00010					
		3.815	2.681	1.311		0.102	0.047	2.283	YELLOW:	96.9775	97.2275	97.4775	97.7275
PISTON RING #		Total Clearance						REMARKS:					
		mm	inch					Measure for CYL Clearance: 10.00 mm from Bottom of Skirt.					
SWF20045		-0.04	-0.00157					3.00 23.00					
								0.118 0.906					
								GREEN: 96.9725 97.2225 97.4725 97.7225 97.9725					
								3.81781 3.82766 3.83750 3.84734 3.85719					
								CIR CLIP: Cir Clip					
								SURFACE TREATMENT: NONE					
								C17 NONE					
11-625	3	74.000	55.30	28.40	-	1.30	65.00	74.000 Tolerance is +/- (mm inch) : 0.0025 0.00010					
		2.913	2.177	1.118		0.051	0.047	2.559	YELLOW:	73.9775	74.2275	74.4775	74.7275
PISTON RING #		Total Clearance						REMARKS:					
		mm	inch					Measure for CYL Clearance: 10.00 mm from Bottom of Skirt.					
SWS20141		-0.04	-0.00157					3.00 17.00					
								0.110 0.669					
								GREEN: 73.9725 74.2225 74.4725 74.7225 74.9725					
								2.91230 2.92215 2.93199 2.94183 2.95167					
								CIR CLIP: Cir Clip					
								SURFACE TREATMENT: NONE					
								C17 NONE					
11-626	4	74.000	56.20	29.30	-	4.80	65.00	73.980 Tolerance is +/- (mm inch) : 0.003 0.00012					
		2.913	2.213	1.154		0.189	0.047	2.559	YELLOW:	73.9730	74.2230	74.4730	74.7230
PISTON RING #		Total Clearance						REMARKS:					
		mm	inch					Measure for CYL Clearance: 12.00 mm from Bottom of Skirt.					
SWS20143		-0.03	-0.00118					3.00 17.00					
								0.110 0.669					
								GREEN: 73.9795 74.2295 74.4795 74.7295 74.9795					
								2.91258 2.92242 2.93226 2.94211 2.95195					
								CIR CLIP: Cir Clip					
								SURFACE TREATMENT: NONE					
								T01 NONE					
11-627	4	74.000	56.20	29.20	-	1.20	61.00	73.970 Tolerance is +/- (mm inch) : 0.01 0.00039					
		2.913	2.213	1.150		0.047	2.402	RED:	73.9600	74.2100	74.4600	74.7100	74.9600
PISTON RING #		Total Clearance						REMARKS:					
		mm	inch					Measure for CYL Clearance: 14.00 mm from Bottom of Skirt.					
SWS20143		-0.03	-0.00118					3.00 19.00					
								0.110 0.748					
								GREEN: 73.9800 74.2300 74.4800 74.7300 74.9800					
								2.91260 2.92244 2.93228 2.94213 2.95197					
								CIR CLIP: Cir Clip					
								SURFACE TREATMENT: NONE					
								J05 NONE					

PISTON BUYER'S GUIDE

Cylinder Wall Clearance is showing Total Diameter, not one side.
EX: -0.04 (Total) / 2 = -0.02 (one side)



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NOA PISTON SPECIFICATION AND PISTON RING # FOR KIT								PISTON DIAMETER MEASURING POINT EXPLANATION					
NOA PISTON PART #	C Y L	PISTON INFORMATION				1ST	PIN	COLOR CODE	-0 (STD)	-1 (0.25)	-2 (0.50)	-3 (0.75)	-4 (1.00)
		BORE	LENGTH	COMP.	DIST.	2ND	LENGTH		mm	mm	mm	mm	mm
		mm inch	mm inch	mm inch	mm inch	OIL1 OIL2	DIA. mm		inch	inch	inch	inch	inch
11-628	4	74.000	55.30	28.30		1.20	62.00	YELLOW:	73.9905	74.2405	74.4905	74.7405	74.9905
		2.913	2.177	1.114		0.047	2.441		2.91301	2.92285	2.93270	2.94254	2.95238
PISTON RING #		Total Clearance				1.50		WHITE:	73.9825	74.2325	74.4825	74.7325	74.9825
SWS20143		mm	inch			0.059			2.91270	2.92254	2.93238	2.94222	2.95207
		-0.04	-0.00157			2.80	17.00	BLUE:	73.9695	74.2195	74.4695	74.7195	74.9695
						0.110	0.669		2.91219	2.92203	2.93187	2.94171	2.95156
								GREEN:	73.9775	74.2275	74.4775	74.7275	74.9775
									2.91250	2.92234	2.93219	2.94203	2.95187
		Cir Clip						REMARKS:					
		NONE						Measure for CYL Clearance: 7.50 mm from Bottom of Skirt.					
		J05						0.295 inch					
		SURFACE TREATMENT											
		NONE											
		NONE											
11-629	4	75.000	58.20	28.50	-	3.30	63.00	YELLOW:	74.9775	75.2275	75.4775	75.7275	75.9775
		2.953	2.291	1.122		0.130	0.047		2.480	2.95187	2.96171	2.97156	2.98140
PISTON RING #		Total Clearance				4.70	1.50	RED:	74.9675	75.2175	75.4675	75.7175	75.9675
SWS20142		mm	inch			0.19	0.059		2.95148	2.96132	2.97116	2.98100	2.99085
		-0.04	-0.00157			2.80	19.00	BLUE:	74.9625	75.2125	75.4625	75.7125	75.9625
						0.110	0.748		2.95128	2.96112	2.97096	2.98081	2.99065
								GREEN:	74.9725	75.2225	75.4725	75.7225	75.9725
									2.95167	2.96152	2.97136	2.98120	2.99104
		Cir Clip						REMARKS:					
		NONE						Measure for CYL Clearance: 10.00 mm from Bottom of Skirt.					
		C17						0.394 inch					
		SURFACE TREATMENT											
		NONE											
		NONE											
11-630	4	75.000	55.20	28.20	-	4.10	61.50	YELLOW:	74.9805	75.2305	75.4805	75.7305	75.9805
		2.953	2.173	1.110		0.161	0.047		2.421	2.95199	2.96183	2.97167	2.98152
PISTON RING #		Total Clearance				1.50		WHITE:	74.9725	75.2225	75.4725	75.7225	75.9725
SWS20142		mm	inch			0.059			2.95167	2.96152	2.97136	2.98120	2.99104
		-0.04	-0.00157			2.80	19.00	BLUE:	74.9595	75.2095	75.4595	75.7095	75.9595
						0.110	0.748		2.95116	2.96100	2.97085	2.98069	2.99053
								GREEN:	74.9675	75.2175	75.4675	75.7175	75.9675
									2.95148	2.96132	2.97116	2.98100	2.99085
		Cir Clip						REMARKS:					
		NONE						Measure for CYL Clearance: 21.00 mm from Bottom of Skirt.					
		J05						0.827 inch					
		SURFACE TREATMENT											
		NONE											
		NONE											
11-631	4	92.000	86.20	49.20	-	2.40	74.00	YELLOW:	91.9775	92.2275	92.4775	92.7275	92.9775
		3.622	3.394	1.937		0.094	0.079		2.913	3.62116	3.63100	3.64085	3.65069
PISTON RING #		Total Clearance				2.00		RED:	91.9675	92.2175	92.4675	92.7175	92.9675
SDT10089		mm	inch			0.079			3.62077	3.63061	3.64045	3.65030	3.66014
		-0.1016	-0.00400			4.00	29.00	BLUE:	91.9625	92.2125	92.4625	92.7125	92.9625
						0.157	1.142		3.62057	3.63041	3.64026	3.65010	3.65994
								GREEN:	91.9725	92.2225	92.4725	92.7225	92.9725
									3.62096	3.63081	3.64065	3.65049	3.66033
		Cir Clip						REMARKS:					
		NONE						Measure for CYL Clearance: 15.00 mm from Bottom of Skirt.					
		C17						0.591 inch					
		SURFACE TREATMENT											
		NONE											
		NONE											

PISTON BUYER'S GUIDE

Cylinder Wall Clearance is showing
Total Diameter, not one side.
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NOA PISTON SPECIFICATION AND PISTON RING # FOR KIT							PISTON DIAMETER MEASURING POINT EXPLANATION						
NOA PISTON PART #	C Y L	PISTON INFORMATION				1ST	PIN	COLOR CODE	-0 (STD)	-1 (0.25)	-2 (0.50)	-3 (0.75)	-4 (1.00)
		BORE	LENGTH	COMP.	DIST.	2ND	LENGTH		mm	mm	mm	mm	mm
		mm	mm	mm	mm	OIL1	DIA.		inch	inch	inch	inch	inch
PAGE #		259						92.000		Tolerance is + / - (mm inch) :		0.0025 0.00010	
11-632	4	92.000	86.20	49.20	1.30	2.00	74.00	YELLOW:	91.9775	92.2275	92.4775	92.7275	92.9775
		3.622	3.394	1.937	0.051	0.079	2.913		3.62116	3.63100	3.64085	3.65069	3.66053
PISTON RING #		Total Clearance						RED:	91.9675	92.2175	92.4675	92.7175	92.9675
SDT10089		mm inch							3.62077	3.63061	3.64045	3.65030	3.66014
		-0.1016 -0.00400						BLUE:	91.9625	92.2125	92.4625	92.7125	92.9625
									3.62057	3.63041	3.64026	3.65010	3.65994
								GREEN:	91.9725	92.2225	92.4725	92.7225	92.9725
									3.62096	3.63081	3.64065	3.65049	3.66033
				Cir Clip				REMARKS:					
						SURFACE TREATMENT		Measure for CYL Clearance: 10.00 mm from Bottom of Skirt.					
				C17		NONE		Clearance: 0.394 inch					
PAGE #		257						89.950		Tolerance is + / - (mm inch) :		0.0045 0.00018	
11-634	4	90.000	99.00	52.00	1.40	2.00	73.50	YELLOW:	89.9605	90.2105	90.4605	90.7105	90.9605
		3.543	3.898	2.047	0.055	0.079	2.894		3.54175	3.55159	3.56144	3.57128	3.58112
PISTON RING #		Total Clearance						WHITE:	89.9525	90.2025	90.4525	90.7025	90.9525
SDT10082		mm inch							3.54144	3.55128	3.56112	3.57096	3.58081
		-0.1016 -0.00400						BLUE:	89.9395	90.1895	90.4395	90.6895	90.9395
									3.54093	3.55077	3.56061	3.57045	3.58030
								GREEN:	89.9475	90.1975	90.4475	90.6975	90.9475
									3.54124	3.55108	3.56093	3.57077	3.58061
				Cir Clip				REMARKS:					
						SURFACE TREATMENT		Measure for CYL Clearance: 32.00 mm from Bottom of Skirt.					
				J05		NONE		Clearance: 1.260 inch					
PAGE #		259						95.000		Tolerance is + / - (mm inch) :		0.0025 0.00010	
11-636	4	95.000	67.50	35.50	2.20	1.75	70.00	YELLOW:	94.9775	95.2275	95.4775	95.7275	95.9775
		3.740	2.657	1.398	0.087	0.069	2.756		3.73927	3.74911	3.75896	3.76880	3.77864
PISTON RING #		Total Clearance						RED:	94.9675	95.2175	95.4675	95.7175	95.9675
SWT10127		mm inch							3.73888	3.74872	3.75856	3.76841	3.77825
		-0.04 -0.00157						BLUE:	94.9625	95.2125	95.4625	95.7125	95.9625
									3.73868	3.74852	3.75837	3.76822	3.77805
								GREEN:	94.9725	95.2225	95.4725	95.7225	95.9725
									3.73907	3.74892	3.75876	3.76860	3.77844
				Cir Clip				REMARKS:					
						SURFACE TREATMENT		Measure for CYL Clearance: 15.00 mm from Bottom of Skirt.					
				C17		NONE		Clearance: 0.591 inch					
PAGE #		257						90.980		Tolerance is + / - (mm inch) :		0.0045 0.00018	
11-637	4	91.000	65.00	35.00	6.20	1.50	66.00	YELLOW:	90.9850	91.2350	91.4850	91.7350	91.9850
		3.583	2.559	1.378	0.244	0.059	2.598		3.58209	3.59193	3.60177	3.61161	3.62146
PISTON RING #		Total Clearance						WHITE:	90.9825	91.2325	91.4825	91.7325	91.9825
SWT10111		mm inch							3.58199	3.59183	3.60167	3.61152	3.62136
		-0.03 -0.00118						BLUE:	90.9750	91.2250	91.4750	91.7250	91.9750
									3.58169	3.59154	3.60138	3.61122	3.62106
								GREEN:	90.9775	91.2275	91.4775	91.7275	91.9775
									3.58179	3.59163	3.60148	3.61132	3.62116
				Cir Clip				REMARKS:					
				NONE		SURFACE TREATMENT		Measure for CYL Clearance: 25.00 mm from Bottom of Skirt.					
				J05		NONE		Clearance: 0.984 inch					

PISTON BUYER'S GUIDE

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NOA PISTON SPECIFICATION AND PISTON RING # FOR KIT								PISTON DIAMETER MEASURING POINT EXPLANATION					
NOA PISTON PART #	C Y L	PISTON INFORMATION				1ST	PIN	COLOR CODE	-0 (STD)	-1 (0.25)	-2 (0.50)	-3 (0.75)	-4 (1.00)
		BORE	LENGTH	COMP.	DIST.	2ND	LENGTH		mm	mm	mm	mm	mm
		mm inch	mm inch	mm inch	mm inch	OIL1 OIL2	DIA. mm		inch	inch	inch	inch	inch
11-639	6	83.000	71.00	33.00	-	5.80	1.50	83.000	Tolerance is + / - (mm inch) :	0.0025		0.00010	
		3.268	2.795	1.299		0.228	0.059			2.598	YELLOW:	82.9775	83.2275
PISTON RING #		Total Clearance				1.50		RED:	82.9675	83.2175	83.4675	83.7175	83.9675
SWT10115		mm	inch			0.059		BLUE:	3.26644	3.27628	3.28612	3.29596	3.30581
		-0.04	-0.00157			4.00	22.00	GREEN:	82.9625	83.2125	83.4625	83.7125	83.9625
						0.157	0.866		3.26624	3.27608	3.28593	3.29577	3.30561
									82.9725	83.2225	83.4725	83.7225	83.9725
									3.26663	3.27648	3.28632	3.29616	3.30600
									REMARKS:				
									Measure for CYL	10.00 mm	from Bottom of		
									Clearance:	0.394 inch	Skirt.		
11-641	6	83.000	74.10	32.90	+	3.30	1.50	83.000	Tolerance is + / - (mm inch) :	0.0025		0.00010	
		3.268	2.917	1.295		0.130	0.059			2.598	YELLOW:	82.9775	83.2275
PISTON RING #		Total Clearance				1.50		RED:	82.9675	83.2175	83.4675	83.7175	83.9675
SWT10079		mm	inch			0.059		BLUE:	3.26644	3.27628	3.28612	3.29596	3.30581
		-0.04	-0.00157			4.00	22.00	GREEN:	82.9625	83.2125	83.4625	83.7125	83.9625
						0.157	0.866		3.26624	3.27608	3.28593	3.29577	3.30561
									82.9725	83.2225	83.4725	83.7225	83.9725
									3.26663	3.27648	3.28632	3.29616	3.30600
									REMARKS:				
									Measure for CYL	15.00 mm	from Bottom of		
									Clearance:	0.591 inch	Skirt.		
11-642	6	83.000	71.00	33.00	-	3.30	1.50	83.000	Tolerance is + / - (mm inch) :	0.0025		0.00010	
		3.268	2.795	1.299		0.130	0.059			2.598	YELLOW:	82.9775	83.2275
PISTON RING #		Total Clearance				1.50		RED:	82.9675	83.2175	83.4675	83.7175	83.9675
SWT10079		mm	inch			0.059		BLUE:	3.26644	3.27628	3.28612	3.29596	3.30581
		-0.04	-0.00157			4.00	22.00	GREEN:	82.9625	83.2125	83.4625	83.7125	83.9625
						0.157	0.866		3.26624	3.27608	3.28593	3.29577	3.30561
									82.9725	83.2225	83.4725	83.7225	83.9725
									3.26663	3.27648	3.28632	3.29616	3.30600
									REMARKS:				
									Measure for CYL	10.00 mm	from Bottom of		
									Clearance:	0.394 inch	Skirt.		
11-644	4	86.000	68.40	35.00	-	3.90	1.50	86.000	Tolerance is + / - (mm inch) :	0.0045		0.00018	
		3.386	2.693	1.378		0.154	0.059			2.598	YELLOW:	86.0105	86.2605
PISTON RING #		Total Clearance				1.50		WHITE:	3.38593	3.39577	3.40561	3.41545	3.42530
SWT10090		mm	inch			0.059		BLUE:	86.0025	86.2525	86.5025	86.7525	87.0025
		-0.04	-0.00157			4.00	20.01	GREEN:	3.38593	3.39577	3.40561	3.41545	3.42530
						0.157	0.788		85.9895	86.2395	86.4895	86.7395	86.9895
									3.38541	3.39526	3.40510	3.41494	3.42478
									85.9975	86.2475	86.4975	86.7475	86.9975
									3.38573	3.39557	3.40541	3.41526	3.42510
									REMARKS:				
									Measure for CYL	7.00 mm	from Bottom of		
									Clearance:	0.276 inch	Skirt.		

PISTON BUYER'S GUIDE

Cylinder Wall Clearance is showing
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NOA PISTON SPECIFICATION AND PISTON RING # FOR KIT								PISTON DIAMETER MEASURING POINT EXPLANATION					
NOA PISTON PART #	C Y L	PISTON INFORMATION				1ST	PIN	COLOR CODE	-0 (STD)	-1 (0.25)	-2 (0.50)	-3 (0.75)	-4 (1.00)
		BORE	LENGTH	COMP.	DIST.	2ND	LENGTH		mm	mm	mm	mm	mm
		mm inch	mm inch	mm inch	mm inch	OIL1 OIL2	DIA. mm		inch	inch	inch	inch	inch
11-646	4	86.000	67.10	35.00	-	1.20	66.00	YELLOW:	85.9730	86.2230	86.4730	86.7230	86.9730
		3.386	2.642	1.378		0.063			0.047	2.598	3.38476	3.39461	3.40445
PISTON RING #		Total Clearance		-	5.10	1.50	RED:	85.9865	86.2365	86.4865	86.7365	86.9865	
SWT10141		mm	inch		0.20	0.059		0.059	3.38530	3.39514	3.40498	3.41482	3.42467
SWT10141		-0.04	-0.00157			4.00	BLUE:	85.9795	86.2295	86.4795	86.7295	86.9795	
						0.157	3.38502	3.39486	3.40470	3.41455	3.42439		
		Cir Clip						REMARKS: Measure for CYL Clearance: 5.00 mm from Bottom of Skirt. 0.197 inch					
		SURFACE TREATMENT		NONE		NONE							
PAGE # 257		T01		NONE									
11-647	4	86.000	62.10	35.10	-	1.20	66.00	RED:	85.9700	86.2200	86.4700	86.7200	86.9700
		3.386	2.445	1.382		0.80			0.047	2.598	3.38465	3.39449	3.40433
PISTON RING #		Total Clearance		-	1.50	1.50	GREEN:	85.9900	86.2400	86.4900	86.7400	86.9900	
SWT10141		mm	inch		0.059	0.059		0.059	3.38543	3.39528	3.40512	3.41496	3.42480
SWT10141		-0.03	-0.00118			4.00							
						0.157							
		Cir Clip						REMARKS: Measure for CYL Clearance: 11.00 mm from Bottom of Skirt. 0.433 inch					
		SURFACE TREATMENT		NONE		NONE							
PAGE # 257		T03		NONE									
11-648	4	86.000	67.10	35.10	-	1.20	66.00	YELLOW:	85.9775	86.2275	86.4775	86.7275	86.9775
		3.386	2.642	1.382		5.00			0.047	2.598	3.38494	3.39478	3.40463
PISTON RING #		Total Clearance		-	1.50	1.50	RED:	85.9675	86.2175	86.4675	86.7175	86.9675	
SWT10141		mm	inch		0.059	0.059		0.059	3.38455	3.39439	3.40423	3.41407	3.42392
SWT10141		-0.03	-0.00118			4.00	BLUE:	85.9625	86.2125	86.4625	86.7125	86.9625	
						0.157	3.38435	3.39419	3.40404	3.41388	3.42372		
		Cir Clip						REMARKS: Measure for CYL Clearance: 10.00 mm from Bottom of Skirt. 0.394 inch					
		SURFACE TREATMENT		NONE		C17		NONE					
PAGE # 257													
11-649	4	81.000	61.10	30.60	-	1.50	61.00	YELLOW:	80.9775	81.2275	81.4775	81.7275	81.9775
		3.189	2.406	1.205		3.00			0.059	2.402	3.18809	3.19793	3.20778
PISTON RING #		Total Clearance		-	2.80	1.50	RED:	80.9675	81.2175	81.4675	81.7175	81.9675	
SWT10142		mm	inch		0.11	0.059		0.059	3.18770	3.19754	3.20738	3.21722	3.22707
SWT10142		-0.04	-0.00157			3.00	BLUE:	80.9625	81.2125	81.4625	81.7125	81.9625	
						0.118	3.18750	3.19734	3.20719	3.21703	3.22687		
		Cir Clip						REMARKS: Measure for CYL Clearance: 10.00 mm from Bottom of Skirt. 0.394 inch					
		SURFACE TREATMENT		NONE		C17		NONE					
PAGE # 93 253													

PISTON BUYER'S GUIDE

Cylinder Wall Clearance is showing
Total Diameter, not one side.
EX: -0.04 (Total) / 2 = -0.02 (one side)



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NOA PISTON SPECIFICATION AND PISTON RING # FOR KIT								PISTON DIAMETER MEASURING POINT EXPLANATION					
NOA PISTON PART #	C Y L	PISTON INFORMATION				1ST	PIN	COLOR CODE	-0 (STD)	-1 (0.25)	-2 (0.50)	-3 (0.75)	-4 (1.00)
		BORE	LENGTH	COMP.	DIST.	2ND	LENGTH		mm	mm	mm	mm	mm
		mm inch	mm inch	mm inch	mm inch	OIL1	DIA.		inch	inch	inch	inch	inch
11-650	4	73.000	62.00	30.00	2.90	1.50	59.00	YELLOW:	72.9775	73.2275	73.4775	73.7275	73.9775
		2.874	2.441	1.181	0.114	0.059	2.323		2.87313	2.88297	2.89281	2.90266	2.91250
PISTON RING #		Total Clearance				1.50		RED:	72.9675	73.2175	73.4675	73.7175	73.9675
SWT10143		mm	inch			0.059		BLUE:	2.87274	2.88258	2.89242	2.90226	2.91211
		-0.04	-0.00157			3.00	18.00	GREEN:	72.9625	73.2125	73.4625	73.7125	73.9625
						0.118	0.709		2.87254	2.88238	2.89222	2.90207	2.91191
		Cir Clip						REMARKS:	72.9725	73.2225	73.4725	73.7225	73.9725
		NONE						Measure for CYL	2.87293	2.88278	2.89262	2.90246	2.91230
		C17						Clearance:	10.00 mm from Bottom of Skirt.				
		SURFACE TREATMENT											
		NONE											
		C17											
		NONE											
PAGE #		193	259										
11-651	6	87.500	65.20	32.30	2.20	1.50	63.00	YELLOW:	87.4775	87.7275	87.9775	88.2275	88.4775
		3.445	2.567	1.272	0.087	0.059	2.480		3.44400	3.45384	3.46368	3.47352	3.48337
PISTON RING #		Total Clearance				1.50		RED:	87.4675	87.7175	87.9675	88.2175	88.4675
SWT10148		mm	inch			0.059		BLUE:	3.44360	3.45344	3.46329	3.47313	3.48297
		-0.04	-0.00157			3.00	21.00	GREEN:	87.4625	87.7125	87.9625	88.2125	88.4625
						0.118	0.827		3.44341	3.45325	3.46309	3.47293	3.48278
		Cir Clip						REMARKS:	87.4725	87.7225	87.9725	88.2225	88.4725
		NONE						Measure for CYL	3.44380	3.45364	3.46348	3.47333	3.48317
		C17						Clearance:	10.00 mm from Bottom of Skirt.				
		SURFACE TREATMENT						CAUTION!!: Bore diameter is measured before skirt Surface Treatment. To Determine "Bore" to Diameter, add wall clearance of +0.04mm (0.00157") to maximum Bore Size.					
		Anodized Head											
		C17											
		NONE											
PAGE #		261											
11-653	6	87.500	62.60	33.70	3.80	1.50	63.00	YELLOW:	87.4905	87.7405	87.9905	88.2405	88.4905
		3.445	2.465	1.327	0.150	0.059	2.480		3.44451	3.45435	3.46419	3.47404	3.48388
PISTON RING #		Total Clearance				1.50		WHITE:	87.4825	87.7325	87.9825	88.2325	88.4825
SWT10144		mm	inch			0.059		BLUE:	3.44419	3.45404	3.46388	3.47372	3.48356
		-0.04	-0.00157			4.00	21.00	GREEN:	87.4695	87.7195	87.9695	88.2195	88.4695
						0.157	0.827		3.44368	3.45352	3.46337	3.47321	3.48305
		Cir Clip						REMARKS:	87.4775	87.7275	87.9775	88.2275	88.4775
		NONE						Measure for CYL	3.44400	3.45384	3.46368	3.47352	3.48337
		J05						Clearance:	2.00 mm from Bottom of Skirt.				
		SURFACE TREATMENT											
		NONE											
		C17											
		NONE											
PAGE #		257											
11-654	4	87.000	63.00	32.50	4.70	1.50	66.00	YELLOW:	86.9775	87.2275	87.4775	87.7275	87.9775
		3.425	2.480	1.280	0.185	0.059	2.598		3.42431	3.43415	3.44400	3.45384	3.46368
PISTON RING #		Total Clearance				1.50		RED:	86.9675	87.2175	87.4675	87.7175	87.9675
SWT10133		mm	inch			0.059		BLUE:	3.42392	3.43376	3.44360	3.45344	3.46329
		-0.04	-0.00157			4.00	22.00	GREEN:	86.9625	87.2125	87.4625	87.7125	87.9625
						0.157	0.866		3.42372	3.43356	3.44341	3.45325	3.46309
		Cir Clip						REMARKS:	86.9725	87.2225	87.4725	87.7225	87.9725
		NONE						Measure for CYL	3.42411	3.43396	3.44380	3.45364	3.46348
		C17						Clearance:	10.00 mm from Bottom of Skirt.				
		SURFACE TREATMENT											
		NONE											
		C17											
		NONE											

PISTON BUYER'S GUIDE

Cylinder Wall Clearance is showing
Total Diameter, not one side.
EX: -0.04 (Total) / 2 = -0.02 (one side)



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NOA PISTON SPECIFICATION AND PISTON RING # FOR KIT								PISTON DIAMETER MEASURING POINT EXPLANATION					
NOA PISTON PART #	C Y L	PISTON INFORMATION				1ST	PIN	COLOR CODE	-0 (STD)	-1 (0.25)	-2 (0.50)	-3 (0.75)	-4 (1.00)
		BORE	LENGTH	COMP.	DIST.	2ND	LENGTH		mm	mm	mm	mm	mm
		mm inch	mm inch	mm inch	mm inch	OIL1 OIL2	DIA. mm		inch	inch	inch	inch	inch
11-656	4	PAGE # 253						74.000 Tolerance is +/- (mm inch) : 0.0025 0.00010					
		74.000	58.60	29.70	0.70	1.20	59.00	YELLOW:	73.9775	74.2275	74.4775	74.7275	74.9775
		2.913	2.307	1.169	0.028	0.047	2.323	RED:	2.91250	2.92234	2.93219	2.94203	2.95187
PISTON RING #		Total Clearance						73.9675	74.2175	74.4675	74.7175	74.9675	
SWT10128		mm	inch	-	0.20	1.20		2.91211	2.92195	2.93179	2.94163	2.95148	
		-0.04	-0.00157		0.01	0.047		BLUE:	73.9625	74.2125	74.4625	74.7125	74.9625
						3.00		2.91191	2.92175	2.93159	2.94144	2.95128	
						0.118		GREEN:	73.9725	74.2225	74.4725	74.7225	74.9725
								2.91230	2.92215	2.93199	2.94183	2.95167	
		Cir Clip						REMARKS:					
		NONE						Measure for CYL 10.00 mm from Bottom of Skirt.					
		C17						Clearance: 0.394 inch					
11-657	4	PAGE # 257						87.000 Tolerance is +/- (mm inch) : 0.0025 0.00010					
		87.000	63.00	32.60	5.00	1.50	66.00	YELLOW:	86.9775	87.2275	87.4775	87.7275	87.9775
		3.425	2.480	1.283	0.197	0.059	2.598	RED:	3.42431	3.43415	3.44400	3.45384	3.46368
PISTON RING #		Total Clearance						86.9675	87.2175	87.4675	87.7175	87.9675	
SWT10149		mm	inch			1.50		3.42392	3.43376	3.44360	3.45344	3.46329	
		-0.04	-0.00157			0.059		BLUE:	86.9625	87.2125	87.4625	87.7125	87.9625
						3.00		3.42372	3.43356	3.44341	3.45325	3.46309	
						0.118		GREEN:	86.9725	87.2225	87.4725	87.7225	87.9725
								3.42411	3.43396	3.44380	3.45364	3.46348	
		Cir Clip						REMARKS:					
		NONE						Measure for CYL 10.00 mm from Bottom of Skirt.					
		C17						Clearance: 0.394 inch					
11-659	4	PAGE # 253						80.980 Tolerance is +/- (mm inch) : 0.0045 0.00018					
		81.000	64.80	30.00	4.00	1.50	61.00	YELLOW:	80.9905	81.2405	81.4905	81.7405	81.9905
		3.189	2.551	1.181	0.157	0.059	2.402	WHITE:	3.18860	3.19844	3.20829	3.21813	3.22797
PISTON RING #		Total Clearance						80.9825	81.2325	81.4825	81.7325	81.9825	
SWT10108		mm	inch	-	5.00	1.50		3.18829	3.19813	3.20797	3.21781	3.22766	
		-0.04	-0.00157		0.20	0.059		BLUE:	80.9695	81.2195	81.4695	81.7195	81.9695
						2.80		3.18778	3.19762	3.20746	3.21730	3.22715	
						0.110		GREEN:	80.9775	81.2275	81.4775	81.7275	81.9775
								3.18809	3.19793	3.20778	3.21762	3.22746	
		Cir Clip						REMARKS:					
		NONE						Measure for CYL 0.00 mm from Bottom of Skirt.					
		J05						Clearance: 0.000 inch					
11-660	4	PAGE # 93 253						81.000 Tolerance is +/- (mm inch) : 0.0025 0.00010					
		81.000	64.50	30.50	0.30	1.50	61.00	YELLOW:	80.9775	81.2275	81.4775	81.7275	81.9775
		3.189	2.539	1.201	0.012	0.059	2.402	RED:	3.18809	3.19793	3.20778	3.21762	3.22746
PISTON RING #		Total Clearance						80.9675	81.2175	81.4675	81.7175	81.9675	
SWT10108		mm	inch			1.50		3.18770	3.19754	3.20738	3.21722	3.22707	
		-0.04	-0.00157			0.059		BLUE:	80.9625	81.2125	81.4625	81.7125	81.9625
						2.80		3.18750	3.19734	3.20719	3.21703	3.22687	
						0.110		GREEN:	80.9725	81.2225	81.4725	81.7225	81.9725
								3.18789	3.19774	3.20758	3.21742	3.22726	
		Cir Clip						REMARKS:					
		NONE						Measure for CYL 10.00 mm from Bottom of Skirt.					
		C17						Clearance: 0.394 inch					

PISTON BUYER'S GUIDE

Cylinder Wall Clearance is showing
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NOA PISTON SPECIFICATION AND PISTON RING # FOR KIT								PISTON DIAMETER MEASURING POINT EXPLANATION					
NOA PISTON PART #	C Y L	PISTON INFORMATION				1ST	PIN	COLOR CODE	-0 (STD)	-1 (0.25)	-2 (0.50)	-3 (0.75)	-4 (1.00)
		BORE	LENGTH	COMP.	DIST.	2ND	LENGTH		mm	mm	mm	mm	mm
		mm inch	mm inch	mm inch	mm inch	OIL1 OIL2	DIA. mm		inch	inch	inch	inch	inch
11-661	6	87.500	62.20	34.00	-	3.40	1.50	87.500	0.0025	0.0010	Tolerance is +/- (mm inch) :		
		3.445	2.449	1.339		0.134	0.059				2.441	mm	mm
PISTON RING #		Total Clearance											
SWT10144		mm	inch										
		-0.04	-0.00157										
				Cir Clip		SURFACE TREATMENT		REMARKS:					
				NONE		NONE		Measure for CYL Clearance: 10.00 mm from Bottom of Skirt.					
				C17		NONE							
PAGE #		91											
11-665	3	74.000	55.70	28.70	-	2.10	1.20	73.970	0.01	0.00039	Tolerance is +/- (mm inch) :		
		2.913	2.193	1.130		0.083	0.047				2.559	mm	mm
PISTON RING #		Total Clearance											
SWS20144		mm	inch										
		-0.03	-0.00118										
				Cir Clip		SURFACE TREATMENT		REMARKS:					
				NONE		NONE		Measure for CYL Clearance: 13.80 mm from Bottom of Skirt.					
				T03		NONE							
PAGE #		265											
11-673	6	94.000	79.70	37.40	+	0.30	2.00	93.970	0.01	0.00039	Tolerance is +/- (mm inch) :		
		3.701	3.138	1.472		0.012	0.079				2.953	mm	mm
PISTON RING #		Total Clearance											
SWT10151		mm	inch										
		-0.03	-0.00118										
				Cir Clip		SURFACE TREATMENT		REMARKS:					
				NONE		NONE		Measure for CYL Clearance: 27.50 mm from Bottom of Skirt.					
				T03		NONE							
PAGE #		229											
11-675	6	87.000	64.50	32.00		1.50	1.50	87.000	0.0025	0.00010	Tolerance is +/- (mm inch) :		
		3.425	2.539	1.260		0.059	0.059				2.638	mm	mm
PISTON RING #		Total Clearance											
SWN30058		mm	inch										
		-0.04	-0.00157										
				Cir Clip		SURFACE TREATMENT		REMARKS:					
				NONE		NONE		Measure for CYL Clearance: 10.00 mm from Bottom of Skirt.					
				C17		NONE							

PISTON BUYER'S GUIDE

Cylinder Wall Clearance is showing
Total Diameter, not one side.
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NOA PISTON SPECIFICATION AND PISTON RING # FOR KIT							PISTON DIAMETER MEASURING POINT EXPLANATION						
NOA PISTON PART #	C Y L	PISTON INFORMATION				1ST	PIN	COLOR CODE	-0 (STD)	-1 (0.25)	-2 (0.50)	-3 (0.75)	-4 (1.00)
		BORE	LENGTH	COMP.	DIST.	2ND	LENGTH		mm	mm	mm	mm	mm
						OIL1	DIA.		inch	inch	inch	inch	inch
mm	mm	mm	mm	mm	OIL2	mm	mm	mm	mm	mm	mm	mm	
inch	inch	inch	inch	inch			inch	inch	inch	inch	inch	inch	
PAGE #		227						89.000 Tolerance is +/- (mm inch) : 0.0025 0.00010					
11-676	4	89.000	68.30	34.00	-	0.60	1.50	YELLOW:	88.9775	89.2275	89.4775	89.7275	89.9775
		3.504	2.689	1.339		0.024	0.059		2.618	3.50305	3.51289	3.52274	3.53258
PISTON RING #		Total Clearance						RED:	88.9675	89.2175	89.4675	89.7175	89.9675
		mm	inch						3.50266	3.51250	3.52234	3.53219	3.54203
SWN30118		-0.04	-0.00157					BLUE:	88.9625	89.2125	89.4625	89.7125	89.9625
									3.50246	3.51230	3.52215	3.53199	3.54183
								GREEN:	88.9725	89.2225	89.4725	89.7225	89.9725
									3.50285	3.51270	3.52254	3.53238	3.54222
				Cir Clip				REMARKS:					
				NONE		SURFACE TREATMENT		Measure for CYL					
				NONE		NONE		Clearance: 10.00 mm from Bottom of Skirt.					
				C17		NONE							
PAGE #		259						92.000 Tolerance is +/- (mm inch) : 0.0025 0.00010					
11-677	4	92.000	63.80	34.80	-	5.30	1.50	YELLOW:	91.9775	92.2275	92.4775	92.7275	92.9775
		3.622	2.512	1.370		0.209	0.059		2.874	3.62116	3.63100	3.64085	3.65069
PISTON RING #		Total Clearance						RED:	91.9675	92.2175	92.4675	92.7175	92.9675
		mm	inch						3.62077	3.63061	3.64045	3.65030	3.66014
SWT10103		-0.04	-0.00157					BLUE:	91.9625	92.2125	92.4625	92.7125	92.9625
									3.62057	3.63041	3.64026	3.65010	3.65994
								GREEN:	91.9725	92.2225	92.4725	92.7225	92.9725
									3.62096	3.63081	3.64065	3.65049	3.66033
				Cir Clip				REMARKS:					
				NONE		SURFACE TREATMENT		Measure for CYL					
				NONE		NONE		Clearance: 10.00 mm from Bottom of Skirt.					
				C17		NONE							
PAGE #		163						85.000 Tolerance is +/- (mm inch) : 0.0025 0.00010					
11-678	4	85.000	65.30	30.80	-	3.70	1.20	YELLOW:	84.9775	85.2275	85.4775	85.7275	85.9775
		3.346	2.571	1.213		0.146	0.047		2.244	3.34557	3.35541	3.36526	3.37510
PISTON RING #		Total Clearance						RED:	84.9675	85.2175	85.4675	85.7175	85.9675
		mm	inch						3.34518	3.35502	3.36486	3.37470	3.38455
SWH30383		-0.04	-0.00157					BLUE:	84.9625	85.2125	85.4625	85.7125	85.9625
									3.34498	3.35482	3.36467	3.37451	3.38435
								GREEN:	84.9725	85.2225	85.4725	85.7225	85.9725
									3.34537	3.35522	3.36506	3.37490	3.38474
				Cir Clip				REMARKS:					
				NONE		SURFACE TREATMENT		Measure for CYL					
				NONE		NONE		Clearance: 20.00 mm from Bottom of Skirt.					
				C17		NONE							
PAGE #		159						74.980 Tolerance is +/- (mm inch) : 0.0045 0.00018					
11-679	4	75.000	60.00	30.00	-	3.50	1.20	YELLOW:	74.9905	75.2405	75.4905	75.7405	75.9905
		2.953	2.362	1.181		0.138	0.047		2.205	2.95238	2.96222	2.97207	2.98191
PISTON RING #		Total Clearance						WHITE:	74.9825	75.2325	75.4825	75.7325	75.9825
		mm	inch						2.95207	2.96191	2.97175	2.98159	2.99144
SWH30362		-0.04	-0.00157					BLUE:	74.9695	75.2195	75.4695	75.7195	75.9695
									2.95156	2.96140	2.97124	2.98108	2.99093
								GREEN:	74.9775	75.2275	75.4775	75.7275	75.9775
									2.95187	2.96171	2.97156	2.98140	2.99124
				Cir Clip				REMARKS:					
				NONE		SURFACE TREATMENT		Measure for CYL					
				NONE		NONE		Clearance: 27.00 mm from Bottom of Skirt.					
				J05		NONE							

PISTON BUYER'S GUIDE

Cylinder Wall Clearance is showing Total Diameter, not one side.
EX: -0.04 (Total) / 2 = -0.02 (one side)



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NOA PISTON SPECIFICATION AND PISTON RING # FOR KIT								PISTON DIAMETER MEASURING POINT EXPLANATION							
NOA PISTON PART #	C Y L	PISTON INFORMATION					1ST	PIN	COLOR CODE	-0 (STD)	-1 (0.25)	-2 (0.50)	-3 (0.75)	-4 (1.00)	
		BORE	LENGTH	COMP.	DIST.	2ND	LENGTH	mm		mm	mm	mm	mm		
		mm inch	mm inch	mm inch	mm inch	OIL1 OIL2	DIA. mm	inch		inch	inch	inch	inch		
11-680	4	76.000	54.30	29.70		4.70	1.50	52.00	75.980	Tolerance is +/- (mm inch) :				0.01	0.00039
		2.992	2.138	1.169	-	0.185	0.059	2.047		mm	mm	mm	mm	mm	
PISTON RING #		Total Clearance													
SWN30116		mm	inch												
		-0.03	-0.00118												
				Cir Clip		SURFACE TREATMENT		REMARKS:		Measure for CYL		12.00 mm		from Bottom of Skirt.	
				T01		NONE		CAUTION!!!: Bore diameter is measured before skirt Surface Treatment. To Determine "Bore" to Diameter, add wall clearance of +0.04mm (0.00157") to maximum Bore Size.		Clearance:		0.472 inch			
PAGE #		223													
11-681	6	87.000	67.80	31.85	+	0.80	1.50	64.00	87.000	Tolerance is +/- (mm inch) :				0.0025	0.00010
		3.425	2.669	1.254	+	0.031	0.059	2.520		mm	mm	mm	mm	mm	
PISTON RING #		Total Clearance													
SWN30058		mm	inch												
		-0.04	-0.00157												
				Cir Clip		SURFACE TREATMENT		REMARKS:		Measure for CYL		10.00 mm		from Bottom of Skirt.	
				C17		NONE		CAUTION!!!: Bore diameter is measured before skirt Surface Treatment. To Determine "Bore" to Diameter, add wall clearance of +0.04mm (0.00157") to maximum Bore Size.		Clearance:		0.394 inch			
PAGE #		229													
11-685	6	93.400	65.20	31.70			1.50	66.00	93.500	Tolerance is +/- (mm inch) :				0.0025	0.00010
		3.677	2.567	1.248			0.059	2.598		mm	mm	mm	mm	mm	
PISTON RING #		Total Clearance													
SW110185		mm	inch												
		-0.04	-0.00157												
				Cir Clip		SURFACE TREATMENT		REMARKS:		Measure for CYL		10.00 mm		from Bottom of Skirt.	
				NONE		NONE		CAUTION!!!: Bore diameter is measured before skirt Surface Treatment. To Determine "Bore" to Diameter, add wall clearance of +0.04mm (0.00157") to maximum Bore Size.		Clearance:		0.394 inch			
PAGE #		5		179											
11-686	6	93.400	65.20	31.70			1.50	66.00	93.500	Tolerance is +/- (mm inch) :				0.0025	0.00010
		3.677	2.567	1.248			0.059	2.598		mm	mm	mm	mm	mm	
PISTON RING #		Total Clearance													
SW110185		mm	inch												
		-0.04	-0.00157												
				Cir Clip		SURFACE TREATMENT		REMARKS:		Measure for CYL		10.00 mm		from Bottom of Skirt.	
				NONE		NONE		CAUTION!!!: Bore diameter is measured before skirt Surface Treatment. To Determine "Bore" to Diameter, add wall clearance of +0.04mm (0.00157") to maximum Bore Size.		Clearance:		0.394 inch			
PAGE #		165		179											

PISTON BUYER'S GUIDE

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NOA PISTON SPECIFICATION AND PISTON RING # FOR KIT							PISTON DIAMETER MEASURING POINT EXPLANATION						
NOA PISTON PART #	C Y L	PISTON INFORMATION				1ST	PIN	COLOR CODE	-0 (STD)	-1 (0.25)	-2 (0.50)	-3 (0.75)	-4 (1.00)
		BORE	LENGTH	COMP.	DIST.	2ND	LENGTH		mm	mm	mm	mm	mm
		mm inch	mm inch	mm inch	mm inch	OIL1	DIA.		inch	inch	inch	inch	inch
11-689	4	76.000	60.70	30.70	-	0.50	1.20	YELLOW:	75.9775	76.2275	76.4775	76.7275	76.9775
		2.992	2.390	1.209		0.020	0.047		2.283	2.99124	3.00108	3.01093	3.02077
PISTON RING #		Total Clearance				1.50		RED:	75.9675	76.2175	76.4675	76.7175	76.9675
		mm	inch			0.059			2.99085	3.00069	3.01053	3.02037	3.03022
SWD10031		-0.04	-0.00157			3.00	19.00	BLUE:	75.9625	76.2125	76.4625	76.7125	76.9625
						0.118	0.748		2.99065	3.00049	3.01033	3.02018	3.03002
				Cir Clip				GREEN:	75.9725	76.2225	76.4725	76.7225	76.9725
				NONE		SURFACE TREATMENT		REMARKS:					
				C17		NONE		Measure for CYL Clearance: 15.00 mm from Bottom of Skirt.					
								0.591 inch					
PAGE #		55						76.000 Tolerance is +/- (mm inch): 0.0025 0.00010					
11-690	4	81.500	67.00	35.00	-	1.00	1.20	YELLOW:	81.4775	81.7275	81.9775	82.2275	82.4775
		3.209	2.638	1.378		0.039	0.047		2.598	3.20778	3.21762	3.22746	3.23730
PISTON RING #		Total Clearance				1.50		RED:	81.4675	81.7175	81.9675	82.2175	82.4675
		mm	inch			0.059			3.20738	3.21722	3.22707	3.23691	3.24675
SWM31058		-0.04	-0.00157			3.00	21.00	BLUE:	81.4625	81.7125	81.9625	82.2125	82.4625
						0.118	0.827		3.20719	3.21703	3.22687	3.23671	3.24656
				Cir Clip				GREEN:	81.4725	81.7225	81.9725	82.2225	82.4725
				NONE		SURFACE TREATMENT		REMARKS:					
				C17		NONE		Measure for CYL Clearance: 20.00 mm from Bottom of Skirt.					
								0.787 inch					
PAGE #		167						81.500 Tolerance is +/- (mm inch): 0.0025 0.00010					
11-691	4	75.500	54.30	31.40	-	0.70	1.50	YELLOW:	75.4775	75.7275	75.9775	76.2275	76.4775
		2.972	2.138	1.236		0.028	0.059		1.870	2.97156	2.98140	2.99124	3.00108
PISTON RING #		Total Clearance				1.50		RED:	75.4675	75.7175	75.9675	76.2175	76.4675
		mm	inch			0.059			2.97116	2.98100	2.99085	3.00069	3.01053
SWG30017		-0.04	-0.00157			3.00	18.00	BLUE:	75.4625	75.7125	75.9625	76.2125	76.4625
						0.118	0.709		2.97096	2.98081	2.99065	3.00049	3.01033
				Cir Clip				GREEN:	75.4725	75.7225	75.9725	76.2225	76.4725
				NONE		SURFACE TREATMENT		REMARKS:					
				C17		NONE		Measure for CYL Clearance: 10.00 mm from Bottom of Skirt.					
								0.394 inch					
PAGE #		167						75.500 Tolerance is +/- (mm inch): 0.0025 0.00010					
11-692	4	85.000	67.00	35.00	-	2.10	1.20	YELLOW:	84.9775	85.2275	85.4775	85.7275	85.9775
		3.346	2.638	1.378		0.083	0.047		2.598	3.34557	3.35541	3.36526	3.37510
PISTON RING #		Total Clearance				1.50		RED:	84.9675	85.2175	85.4675	85.7175	85.9675
		mm	inch			0.059			3.34518	3.35502	3.36486	3.37470	3.38455
SWM31071		-0.04	-0.00157			3.00	21.00	BLUE:	84.9625	85.2125	85.4625	85.7125	85.9625
						0.118	0.827		3.34498	3.35482	3.36467	3.37451	3.38435
				Cir Clip				GREEN:	84.9725	85.2225	85.4725	85.7225	85.9725
				NONE		SURFACE TREATMENT		REMARKS:					
				C17		NONE		Measure for CYL Clearance: 10.00 mm from Bottom of Skirt.					
								0.394 inch					
PAGE #		169						85.000 Tolerance is +/- (mm inch): 0.0025 0.00010					

PISTON BUYER'S GUIDE

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NOA PISTON PART #	C Y L	PISTON INFORMATION				1ST	PIN	COLOR CODE	-0 (STD)	-1 (0.25)	-2 (0.50)	-3 (0.75)	-4 (1.00)
		BORE	LENGTH	COMP.	DIST.	2ND	LENGTH		mm	mm	mm	mm	mm
		mm inch	mm inch	mm inch	mm inch	OIL1 OIL2	DIA. mm		inch	inch	inch	inch	inch
11-693	4	82.000	63.20	31.10	+	2.10	1.20	82.000	82.2605	82.5105	82.7605	83.0105	
		3.228	2.488	1.224		0.083	0.047						2.323
PISTON RING #		Total Clearance				1.20		82.000 Tolerance is +/- (mm inch) : 0.0045 0.00018					
SWG30028		mm	inch			0.047		mm	mm	mm	mm	mm	
		-0.04	-0.00157			2.50	20.00	inch	inch	inch	inch	inch	
						0.098	0.787	MID	MID	MID	MID	MID	
				Cir Clip		SURFACE TREATMENT		REMARKS:					
				NONE		NONE		Measure for CYL Clearance: 24.00 mm from Bottom of Skirt.					
				J05		NONE							
PAGE #		167											
11-696	4	88.000	82.40	47.60	-	2.60	2.00	87.9805	88.2305	88.4805	88.7305	88.9805	
		3.465	3.244	1.874		0.102	0.079						2.677
PISTON RING #		Total Clearance				2.00		87.970 Tolerance is +/- (mm inch) : 0.0045 0.00018					
SDI10101		mm	inch			0.079		mm	mm	mm	mm	mm	
		-0.1016	-0.00400			4.00	27.00	inch	inch	inch	inch	inch	
						0.157	1.063	MID	MID	MID	MID	MID	
				Cir Clip		SURFACE TREATMENT		REMARKS:					
				J05		NONE		Measure for CYL Clearance: mm from Bottom of Skirt.					
PAGE #		177											
11-699	4	86.000	71.00	36.00	-	0.70	1.50	85.9530	86.2030	86.4530	86.7030	86.9530	
		3.386	2.795	1.417		0.028	0.059						2.815
PISTON RING #		Total Clearance				5.50	1.50	85.960 Tolerance is +/- (mm inch) : 0.003 0.00012					
SWT20048*		mm	inch			0.22	0.059	mm	mm	mm	mm	mm	
		-0.04	-0.00157			4.00	22.00	inch	inch	inch	inch	inch	
						0.157	0.866	MID	MID	MID	MID	MID	
				Cir Clip		SURFACE TREATMENT		REMARKS:					
				T01		NONE		Measure for CYL Clearance: 18.00 mm from Bottom of Skirt.					
PAGE #		185											
11-701	4	86.000	86.40	47.30	-	1.50	2.00	85.9600	86.2100	86.4600	86.7100	86.9600	
		3.386	3.402	1.862		0.059	0.079						2.677
PISTON RING #		Total Clearance				2.00		85.970 Tolerance is +/- (mm inch) : 0.01 0.00039					
SDT20055		mm	inch			0.079		mm	mm	mm	mm	mm	
		-0.1016	-0.00400			4.00	25.00	inch	inch	inch	inch	inch	
						0.157	0.984	MID	MID	MID	MID	MID	
				Cir Clip		SURFACE TREATMENT		REMARKS:					
				T03		NONE		Measure for CYL Clearance: 20.00 mm from Bottom of Skirt.					
PAGE #		201											

PISTON BUYER'S GUIDE

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NOA PISTON PART #	C Y L	PISTON INFORMATION				1ST	PIN	COLOR CODE	-0 (STD)	-1 (0.25)	-2 (0.50)	-3 (0.75)	-4 (1.00)
		BORE	LENGTH	COMP.	DIST.	2ND	LENGTH		mm	mm	mm	mm	mm
		mm	mm	mm	mm	OIL1	DIA.	inch	inch	inch	inch	inch	
		inch	inch	inch	inch	OIL2	mm	MID	MID	MID	MID	MID	
11-703	4	83.000	61.50	30.60	+	1.50	70.00	YELLOW:	83.000 Tolerance is +/- (mm inch) : 0.0025 0.00010				
		3.268	2.421	1.205		0.50	0.059		2.756	82.9775	83.2275	83.4775	83.7275
PISTON RING #		Total Clearance				1.50		RED:	82.9675 83.2175 83.4675 83.7175 83.9675				
SWT20066		mm	inch			0.059		BLUE:	3.26644 3.27628 3.28612 3.29596 3.30581				
		-0.04	-0.00157			3.00	32.00	GREEN:	82.9625 83.2125 83.4625 83.7125 83.9625				
						0.118	1.260		3.26624 3.27608 3.28593 3.29577 3.30561				
		Cir Clip						REMARKS:					
		NONE						Measure for CYL 15.00 mm from Bottom of Skirt.					
		C17						Clearance: 0.591 inch					
PAGE # 205													
11-704	6	90.000	71.30	35.70	-	1.50	63.00	YELLOW:	89.990 Tolerance is +/- (mm inch) : 0.003 0.00012				
		3.543	2.807	1.406		3.60	0.059		2.480	89.9830	90.2330	90.4830	90.7330
PISTON RING #		Total Clearance				1.50		RED:	89.9965 90.2465 90.4965 90.7465 90.9965				
SWT20062		mm	inch			0.059		BLUE:	3.54317 3.55301 3.56285 3.57270 3.58254				
		-0.04	-0.00157			4.00	26.63		89.9895 90.2395 90.4895 90.7395 90.9895				
						0.157	1.048		3.54289 3.55274 3.56258 3.57242 3.58226				
		Cir Clip						REMARKS:					
		NONE						Measure for CYL 5.00 mm from Bottom of Skirt.					
		T01						Clearance: 0.197 inch					
PAGE # 59		201						CAUTION!!: Bore diameter is measured before skirt Surface Treatment. To Determine "Bore" to Diameter, add wall clearance of +0.04mm (0.00157") to maximum Bore Size.					
11-706	4	83.000	53.80	30.00	-	1.20	58.00	YELLOW:	83.000 Tolerance is +/- (mm inch) : 0.0025 0.00010				
		3.268	2.118	1.181		8.40	0.047		2.283	82.9775	83.2275	83.4775	83.7275
PISTON RING #		Total Clearance				1.50		RED:	82.9675 83.2175 83.4675 83.7175 83.9675				
SWF30001 SWT20078		mm	inch			0.059		BLUE:	3.26644 3.27628 3.28612 3.29596 3.30581				
		-0.04	-0.00157			3.00	19.00	GREEN:	82.9625 83.2125 83.4625 83.7125 83.9625				
						0.118	0.748		3.26624 3.27608 3.28593 3.29577 3.30561				
		Cir Clip						REMARKS:					
		NONE						Measure for CYL 10.00 mm from Bottom of Skirt.					
		C17						Clearance: 0.394 inch					
PAGE # 33		217											
11-707	6	91.100	66.00	32.00	-	1.20	64.00	YELLOW:	91.080 Tolerance is +/- (mm inch) : 0.003 0.00012				
		3.587	2.598	1.260		2.30	0.047		2.520	91.0730	91.3230	91.5730	91.8230
PISTON RING #		Total Clearance				1.50		RED:	91.0865 91.3365 91.5865 91.8365 92.0865				
SWM31078		mm	inch			0.059		BLUE:	3.58608 3.59593 3.60577 3.61561 3.62545				
		-0.04	-0.00157			3.00	22.00		91.0795 91.3295 91.5795 91.8295 92.0795				
						0.118	0.866		3.58581 3.59565 3.60549 3.61533 3.62518				
		Cir Clip						REMARKS:					
		NONE						Measure for CYL 16.00 mm from Bottom of Skirt.					
		T01						Clearance: 0.630 inch					

PISTON BUYER'S GUIDE

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NOA PISTON PART #	C Y L	PISTON INFORMATION				1ST	PIN	COLOR CODE	-0 (STD)	-1 (0.25)	-2 (0.50)	-3 (0.75)	-4 (1.00)	
		BORE	LENGTH	COMP.	DIST.	2ND	LENGTH		mm	mm	mm	mm	mm	
		mm inch	mm inch	mm inch	mm inch	OIL1 OIL2	DIA. mm		inch	inch	inch	inch	inch	
11-709	4	86.500	67.10	35.00	+	4.30	1.20	86.495	YELLOW:	Tolerance is +/- (mm inch) : 0.003 0.00012				
		3.406	2.642	1.378		0.169	0.047			2.441	86.4880	86.7380	86.9880	87.2380
PISTON RING #		Total Clearance					1.50	RED:						
		mm	inch				0.059	3.40515		86.7515	87.0015	87.2515	87.5015	
SWM31116		-0.03	-0.00118				2.80	3.40557		3.41541	3.42526	3.43510	3.44494	
							0.110	BLUE:		86.4945	86.7445	86.9945	87.2445	87.4945
							0.866	3.40530		3.41514	3.42498	3.43482	3.44467	
				Cir Clip				REMARKS:						
				NONE				Measure for CYL						
				T01				Clearance: 12.00 mm from Bottom of Skirt.						
				SURFACE TREATMENT										
				NONE										
				NONE										
11-711	4	93.000	58.30	30.20	-	0.40	1.20	92.980	YELLOW:	Tolerance is +/- (mm inch) : 0.0045 0.00018				
		3.661	2.295	1.189		0.016	0.047			2.283	92.9905	93.2405	93.4905	93.7405
PISTON RING #		Total Clearance					1.20	WHITE:						
		mm	inch				0.047	92.9825		93.2325	93.4825	93.7325	93.9825	
SWN30115		-0.04	-0.00157				2.50	3.66073		3.67057	3.68041	3.69026	3.70010	
							0.098	BLUE:		92.9695	93.2195	93.4695	93.7195	93.9695
							0.866	3.66022		3.67006	3.67990	3.68974	3.69959	
				Cir Clip				REMARKS:						
				J05				Measure for CYL						
				Moly Skirt				Clearance: 14.00 mm from Bottom of Skirt.						
				SURFACE TREATMENT				CAUTION!!: Bore diameter is measured before skirt Surface Treatment. To Determine "Bore" to Diameter, add wall clearance of +0.04mm (0.00157") to maximum Bore Size.						
				Anodized Head										
11-713	4	81.000	56.00	30.50	-	3.40	1.20	81.000	YELLOW:	Tolerance is +/- (mm inch) : 0.0025 0.00010				
		3.189	2.205	1.201		0.134	0.047			2.205	80.9775	81.2275	81.4775	81.7275
PISTON RING #		Total Clearance					1.50	RED:						
		mm	inch				0.059	80.9675		81.2175	81.4675	81.7175	81.9675	
SWT10156		-0.04	-0.00157				3.00	3.18770		3.19754	3.20738	3.21722	3.22707	
							0.118	BLUE:		80.9625	81.2125	81.4625	81.7125	81.9625
							0.787	3.18750		3.19734	3.20719	3.21703	3.22687	
				Cir Clip				REMARKS:						
				NONE				Measure for CYL						
				C17				Clearance: 10.00 mm from Bottom of Skirt.						
				SURFACE TREATMENT										
				NONE										
				NONE										
11-714	4	81.000	55.60	30.50	-	2.50	1.20	81.000	YELLOW:	Tolerance is +/- (mm inch) : 0.0025 0.00010				
		3.189	2.189	1.201		0.098	0.047			2.205	80.9775	81.2275	81.4775	81.7275
PISTON RING #		Total Clearance					1.50	RED:						
		mm	inch				0.059	80.9675		81.2175	81.4675	81.7175	81.9675	
SWT10156		-0.04	-0.00157				3.00	3.18770		3.19754	3.20738	3.21722	3.22707	
							0.118	BLUE:		80.9625	81.2125	81.4625	81.7125	81.9625
							0.787	3.18750		3.19734	3.20719	3.21703	3.22687	
				Cir Clip				REMARKS:						
				NONE				Measure for CYL						
				C17				Clearance: 15.00 mm from Bottom of Skirt.						
				SURFACE TREATMENT										
				NONE										
				NONE										

PISTON BUYER'S GUIDE

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NOA PISTON SPECIFICATION AND PISTON RING # FOR KIT							PISTON DIAMETER MEASURING POINT EXPLANATION						
NOA PISTON PART #	C Y L	PISTON INFORMATION				1ST	PIN	COLOR CODE	-0 (STD)	-1 (0.25)	-2 (0.50)	-3 (0.75)	-4 (1.00)
		BORE	LENGTH	COMP.	DIST.	2ND	LENGTH		mm	mm	mm	mm	mm
		mm inch	mm inch	mm inch	mm inch	OIL1 OIL2	DIA. mm		inch	inch	inch	inch	inch
11-716	6	84.500	55.90	29.20	-	1.70	1.50	84.480	Tolerance is +/- (mm inch) : 0.0045 0.00018				
		3.327	2.201	1.150		0.067	0.059		2.402	YELLOW:	84.4905	84.7405	84.9905
PISTON RING #		Total Clearance					1.50	WHITE:	84.4825	84.7325	84.9825	85.2325	85.4825
SWT20073		mm inch					0.059	BLUE:	3.32608	3.33593	3.34577	3.35561	3.36545
		-0.04 -0.00157					3.00	GREEN:	84.4695	84.7195	84.9695	85.2195	85.4695
							0.118		3.32557	3.33541	3.34526	3.35510	3.36494
				Cir Clip				REMARKS:					
				NONE		SURFACE TREATMENT		Measure for CYL 11.00 mm from Bottom of Skirt.					
				J05		NONE		Clearance: 0.433 inch					
						Moly Skirt		CAUTION!!!: Bore diameter is measured before skirt Surface Treatment. To Determine "Bore" to Diameter, add wall clearance of +0.04mm (0.00157") to maximum Bore Size.					
PAGE #		63 205						84.480 Tolerance is +/- (mm inch) : 0.0045 0.00018					
11-718	4	85.000	67.00	35.00	-	2.20	1.20	84.980	Tolerance is +/- (mm inch) : 0.003 0.00012				
		3.346	2.638	1.378		0.087	0.047		2.441	YELLOW:	84.9730	85.2230	85.4730
PISTON RING #		Total Clearance					1.50	RED:	3.34539	3.35524	3.36508	3.37492	3.38476
SWM31071		mm inch					0.059	BLUE:	84.9865	85.2365	85.4865	85.7365	85.9865
		-0.04 -0.00157					3.00		3.34593	3.35577	3.36561	3.37545	3.38530
							0.118		84.9795	85.2295	85.4795	85.7295	85.9795
				Cir Clip				REMARKS:					
				NONE		SURFACE TREATMENT		Measure for CYL 10.00 mm from Bottom of Skirt.					
				T01		NONE		Clearance: 0.394 inch					
PAGE #		17 213						84.980 Tolerance is +/- (mm inch) : 0.003 0.00012					
11-719	4	85.000	67.00	35.00	-	5.40	1.20	85.000	Tolerance is +/- (mm inch) : 0.0025 0.00010				
		3.346	2.638	1.378		0.213	0.047		2.441	YELLOW:	84.9775	85.2275	85.4775
PISTON RING #		Total Clearance					1.50	RED:	3.34557	3.35541	3.36526	3.37510	3.38494
SWM31071		mm inch					0.059	BLUE:	84.9675	85.2175	85.4675	85.7175	85.9675
		-0.04 -0.00157					3.00		3.34518	3.35502	3.36486	3.37470	3.38455
							0.118	GREEN:	84.9625	85.2125	85.4625	85.7125	85.9625
				Cir Clip				REMARKS:					
				NONE		SURFACE TREATMENT		Measure for CYL 10.00 mm from Bottom of Skirt.					
				C17		NONE		Clearance: 0.394 inch					
PAGE #		17 213						85.000 Tolerance is +/- (mm inch) : 0.0025 0.00010					
11-720	6	87.500	51.00	31.20	-		1.20	87.500	Tolerance is +/- (mm inch) : 0.0025 0.00010				
		3.445	2.008	1.228			0.047		2.126	YELLOW:	87.4775	87.7275	87.9775
PISTON RING #		Total Clearance					1.20	RED:	3.44400	3.45384	3.46368	3.47352	3.48337
SWT10177		mm inch					0.047	BLUE:	87.4675	87.7175	87.9675	88.2175	88.4675
		-0.04 -0.00157					3.00		3.44360	3.45344	3.46329	3.47313	3.48297
							0.118	GREEN:	87.4625	87.7125	87.9625	88.2125	88.4625
				Cir Clip				REMARKS:					
				C17		SURFACE TREATMENT		Measure for CYL 10.00 mm from Bottom of Skirt.					
						Anodized Head		Clearance: 0.394 inch					
						Moly Skirt		CAUTION!!!: Bore diameter is measured before skirt Surface Treatment. To Determine "Bore" to Diameter, add wall clearance of +0.04mm (0.00157") to maximum Bore Size.					
PAGE #		193 261		263				87.500 Tolerance is +/- (mm inch) : 0.0025 0.00010					

PISTON BUYER'S GUIDE

Cylinder Wall Clearance is showing Total Diameter, not one side.
EX: -0.04 (Total) / 2 = -0.02 (one side)



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NOA PISTON SPECIFICATION AND PISTON RING # FOR KIT							PISTON DIAMETER MEASURING POINT EXPLANATION						
NOA PISTON PART #	C Y L	PISTON INFORMATION				1ST	PIN	COLOR CODE	-0 (STD)	-1 (0.25)	-2 (0.50)	-3 (0.75)	-4 (1.00)
		BORE	LENGTH	COMP.	DIST.	2ND	LENGTH		mm	mm	mm	mm	mm
		mm inch	mm inch	mm inch	mm inch	OIL1	DIA.		inch	inch	inch	inch	inch
11-722	6	93.500	63.00	34.00	4.90	1.50	62.00	93.500	Tolerance is + / - (mm inch) : 0.0025 0.00010				
		3.681	2.480	1.339	0.193	0.059	2.441						mm
PISTON RING #		Total Clearance				1.50							
SWT10178		mm	inch			0.059							
		-0.04	-0.00157			4.00	22.00						
						0.157	0.866						
				Cir Clip									
				C17		NONE							
PAGE # 263													
REMARKS:		Measure for CYL		10.00 mm		from Bottom of Skirt.							
		Clearance:		0.394 inch									
CAUTION!!:		Bore diameter is measured before skirt Surface Treatment. To Determine "Bore" to Diameter, add wall clearance of +0.04mm (0.00157") to maximum Bore Size.											
11-723	4	86.000	67.90	35.00	5.00	1.50	66.00	86.000	Tolerance is + / - (mm inch) : 0.0025 0.00010				
		3.386	2.673	1.378	0.197	0.059	2.598						mm
PISTON RING #		Total Clearance				1.50							
SWT10090		mm	inch			0.059							
		-0.04	-0.00157			4.00	22.00						
						0.157	0.866						
				Cir Clip									
				C17		NONE							
PAGE # 257													
REMARKS:		Measure for CYL		20.00 mm		from Bottom of Skirt.							
		Clearance:		0.787 inch									
CAUTION!!:		Bore diameter is measured before skirt Surface Treatment. To Determine "Bore" to Diameter, add wall clearance of +0.04mm (0.00157") to maximum Bore Size.											
11-724	4	95.000	61.00	37.20	2.60	1.50	70.00	95.000	Tolerance is + / - (mm inch) : 0.0025 0.00010				
		3.740	2.402	1.465	0.102	0.059	2.756						mm
PISTON RING #		Total Clearance				1.50							
SWT10139		mm	inch			0.059							
		-0.04	-0.00157			4.00	24.00						
						0.157	0.945						
				Cir Clip									
				C17		Moly Skirt							
PAGE # 261													
REMARKS:		Measure for CYL		10.00 mm		from Bottom of Skirt.							
		Clearance:		0.394 inch									
CAUTION!!:		Bore diameter is measured before skirt Surface Treatment. To Determine "Bore" to Diameter, add wall clearance of +0.04mm (0.00157") to maximum Bore Size.											
11-725	4	95.000	67.50	35.50	2.00	1.75	70.00	95.000	Tolerance is + / - (mm inch) : 0.0025 0.00010				
		3.740	2.657	1.398	0.079	0.069	2.756						mm
PISTON RING #		Total Clearance				1.50							
SWT10127		mm	inch			0.059							
		-0.03	-0.00118			4.00	24.00						
						0.157	0.945						
				Cir Clip									
				C17		NONE							
PAGE # 259													
REMARKS:		Measure for CYL		15.00 mm		from Bottom of Skirt.							
		Clearance:		0.591 inch									
CAUTION!!:		Bore diameter is measured before skirt Surface Treatment. To Determine "Bore" to Diameter, add wall clearance of +0.04mm (0.00157") to maximum Bore Size.											

PISTON BUYER'S GUIDE

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NOA PISTON SPECIFICATION AND PISTON RING # FOR KIT								PISTON DIAMETER MEASURING POINT EXPLANATION					
NOA PISTON PART #	C Y L	PISTON INFORMATION				1ST	PIN	COLOR CODE	-0 (STD)	-1 (0.25)	-2 (0.50)	-3 (0.75)	-4 (1.00)
		BORE	LENGTH	COMP.	DIST.	2ND	LENGTH		mm	mm	mm	mm	mm
		mm inch	mm inch	mm inch	mm inch	OIL1	DIA.		inch	inch	inch	inch	inch
11-726	4	PAGE # 163						82.980	Tolerance is +/- (mm inch) : 0.01 0.00039				
		83.000 3.268	65.40 2.575	30.90 1.217	0.80 0.031	1.20 0.047	56.00 2.205						
		PISTON RING # SWH30448		Total Clearance mm inch				1.20 0.047					
						2.80 0.110	22.00 0.866						
						Cir Clip							
						NONE	SURFACE TREATMENT	REMARKS: Measure for CYL Clearance: 16.00 mm from Bottom of Skirt. 0.630 inch					
						C17	NONE						
11-727	6	PAGE # 173 229						86.990	Tolerance is +/- (mm inch) : 0.003 0.00012				
		87.000 3.425	61.00 2.402	32.00 1.260	1.50 0.059	1.50 0.059	69.00 2.717						
		PISTON RING # SWN30058		Total Clearance mm inch				1.20 0.05					
						2.80 0.110	22.00 0.866						
						Cir Clip							
						T01	SURFACE TREATMENT	REMARKS: Measure for CYL Clearance: 10.00 mm from Bottom of Skirt. 0.394 inch					
							NONE						
							NONE						
11-728	6	PAGE # 173 231						91.470	Tolerance is +/- (mm inch) : 0.003 0.00012				
		91.500 3.602	63.00 2.480	32.00 1.260	1.50 0.059	1.50 0.059	60.00 2.362						
		PISTON RING # SWN30120		Total Clearance mm inch				1.50 0.059					
						2.80 0.110	20.98 0.826						
						Cir Clip							
						T01	SURFACE TREATMENT	REMARKS: Measure for CYL Clearance: 11.00 mm from Bottom of Skirt. 0.433 inch					
							Anodized Head	CAUTION!!!: Bore diameter is measured before skirt Surface Treatment. To Determine "Bore" to Diameter, add wall clearance of +0.04mm (0.00157") to maximum Bore Size.					
							NONE						
11-729	4	PAGE # 167						82.240	Tolerance is +/- (mm inch) : 0.0045 0.00018				
		82.300 3.240	66.00 2.598	32.50 1.280	1.50 0.059	1.20 0.047	66.00 2.598						
		PISTON RING # SWM31049		Total Clearance mm inch				1.50 0.059					
						3.00 0.118	21.00 0.827						
						Cir Clip							
						NONE	SURFACE TREATMENT	REMARKS: Measure for CYL Clearance: 28.00 mm from Bottom of Skirt. 1.102 inch					
						J05	NONE						

PISTON BUYER'S GUIDE

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NOA PISTON SPECIFICATION AND PISTON RING # FOR KIT							PISTON DIAMETER MEASURING POINT EXPLANATION						
NOA PISTON PART #	C Y L	PISTON INFORMATION				1ST	PIN	COLOR CODE	-0 (STD)	-1 (0.25)	-2 (0.50)	-3 (0.75)	-4 (1.00)
		BORE	LENGTH	COMP.	DIST.	2ND	LENGTH		mm	mm	mm	mm	mm
		mm inch	mm inch	mm inch	mm inch	OIL1 OIL2	DIA. mm		inch	inch	inch	inch	inch
11-730	4	75.500	53.50	30.50	4.10	1.20	47.50	YELLOW:	75.4775	75.7275	75.9775	76.2275	76.4775
		2.972	2.106	1.201	0.161	0.047	1.870		2.97156	2.98140	2.99124	3.00108	3.01093
PISTON RING #		Total Clearance				1.50		RED:	75.4675	75.7175	75.9675	76.2175	76.4675
SWG30019		mm	inch			0.059		2.97116	2.98100	2.99085	3.00069	3.01053	
		-0.04	-0.00157			3.00		BLUE:	75.4625	75.7125	75.9625	76.2125	76.4625
						0.118		2.97096	2.98081	2.99065	3.00049	3.01033	
								GREEN:	75.4725	75.7225	75.9725	76.2225	76.4725
								2.97136	2.98120	2.99104	3.00089	3.01073	
		Cir Clip						REMARKS:					
		NONE						Measure for CYL 10.00 mm from Bottom of Skirt.					
		C17						Clearance: 0.394 inch					
		SURFACE TREATMENT											
		NONE											
		C17											
		NONE											
PAGE #		199						75.300 Tolerance is +/- (mm inch) : 0.0025 0.00010					
11-731	4	75.300	51.80	28.00	6.30	1.00	61.00	YELLOW:	75.2775	75.5275	75.7775	76.0275	76.2775
		2.965	2.039	1.102	0.248	0.039	2.402		2.96368	2.97352	2.98337	2.99321	3.00305
PISTON RING #		Total Clearance				1.20		RED:	75.2675	75.5175	75.7675	76.0175	76.2675
SWT20074		mm	inch			0.047		2.96329	2.97313	2.98297	2.99281	3.00266	
		-0.04	-0.00157			2.50		BLUE:	75.2625	75.5125	75.7625	76.0125	76.2625
						0.098		2.96309	2.97293	2.98278	2.99262	3.00246	
								GREEN:	75.2725	75.5225	75.7725	76.0225	76.2725
								2.96348	2.97333	2.98317	2.99301	3.00285	
		Cir Clip						REMARKS:					
		NONE						Measure for CYL 10.00 mm from Bottom of Skirt.					
		C17						Clearance: 0.394 inch					
		SURFACE TREATMENT											
		NONE											
		C17											
		NONE											
PAGE #		159						75.000 Tolerance is +/- (mm inch) : 0.0025 0.00010					
11-732	4	75.000	49.90	29.90	2.80	1.00	56.00	YELLOW:	74.9775	75.2275	75.4775	75.7275	75.9775
		2.953	1.965	1.177	0.110	0.039	2.205		2.95187	2.96171	2.97156	2.98140	2.99124
PISTON RING #		Total Clearance				1.20		RED:	74.9675	75.2175	75.4675	75.7175	75.9675
SWH30423		mm	inch			0.047		2.95148	2.96132	2.97116	2.98100	2.99085	
		-0.04	-0.00157			2.80		BLUE:	74.9625	75.2125	75.4625	75.7125	75.9625
						0.110		2.95128	2.96112	2.97096	2.98081	2.99065	
								GREEN:	74.9725	75.2225	75.4725	75.7225	75.9725
								2.95167	2.96152	2.97136	2.98120	2.99104	
		Cir Clip						REMARKS:					
		NONE						Measure for CYL 10.00 mm from Bottom of Skirt.					
		C17						Clearance: 0.394 inch					
		SURFACE TREATMENT											
		NONE											
		C17											
		NONE											
PAGE #		3						81.000 Tolerance is +/- (mm inch) : 0.0025 0.00010					
11-733	4	81.000	60.00	30.00	1.30	1.00	56.00	YELLOW:	80.9775	81.2275	81.4775	81.7275	81.9775
		3.189	2.362	1.181	0.051	0.039	2.205		3.18809	3.19793	3.20778	3.21762	3.22746
PISTON RING #		Total Clearance				1.20		RED:	80.9675	81.2175	81.4675	81.7175	81.9675
SWH30373		mm	inch			0.047		3.18770	3.19754	3.20738	3.21722	3.22707	
		-0.04	-0.00157			2.80		BLUE:	80.9625	81.2125	81.4625	81.7125	81.9625
						0.110		3.18750	3.19734	3.20719	3.21703	3.22687	
								GREEN:	80.9725	81.2225	81.4725	81.7225	81.9725
								3.18789	3.19774	3.20758	3.21742	3.22726	
		Cir Clip						REMARKS:					
		NONE						Measure for CYL 14.00 mm from Bottom of Skirt.					
		C17						Clearance: 0.551 inch					
		SURFACE TREATMENT											
		NONE											
		C17											
		NONE											

PISTON BUYER'S GUIDE

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NOA PISTON PART #	C Y L	PISTON INFORMATION				1ST	PIN	COLOR CODE	-0 (STD)	-1 (0.25)	-2 (0.50)	-3 (0.75)	-4 (1.00)
		BORE	LENGTH	COMP.	DIST.	2ND	LENGTH		mm	mm	mm	mm	mm
		mm inch	mm inch	mm inch	mm inch	OIL1 OIL2	DIA. mm		inch	inch	inch	inch	inch
11-734	6	PAGE #	173										
		93.000 3.661	58.30 2.295	30.30 1.193	+	0.40 0.016	1.20 0.047	58.00 2.283	93.000	Tolerance is +/- (mm inch) : 0.0025 0.00010			
PISTON RING #		Total Clearance		<div style="text-align: center; color: red; font-size: 1.2em; font-weight: bold;">11-734 Piston is <u>11 711</u> now.</div>									
SWN30115		mm	inch										
		-0.03	-0.00118										
				C17	NONE		"Bore" to Diameter, add wall clearance of +0.04mm (0.00157") to maximum Bore Size.						
11-735	4	PAGE #	15 213										
		87.500 3.445	64.80 2.551	31.40 1.236	+	0.90 0.035	1.20 0.047	75.00 2.953	87.470	Tolerance is +/- (mm inch) : 0.0045 0.00018			
PISTON RING #		Total Clearance		<div style="text-align: center; color: red; font-size: 1.2em; font-weight: bold;">11-735 Piston is <u>11 711</u> now.</div>									
SWM31120		mm	inch										
		-0.04	-0.00157										
				Cir Clip	NONE		SURFACE TREATMENT: NONE						
				J05	NONE		REMARKS: Measure for CYL Clearance: 13.00 mm (0.512 inch) from Bottom of Skirt.						
11-736	4	PAGE #	159										
		75.000 2.953	57.80 2.276	27.80 1.094	-	7.20 0.283	1.00 0.039	56.00 2.205	74.970	Tolerance is +/- (mm inch) : 0.01 0.00039			
PISTON RING #		Total Clearance		<div style="text-align: center; color: red; font-size: 1.2em; font-weight: bold;">11-736 Piston is <u>11 711</u> now.</div>									
SWH30423		mm	inch										
		-0.03	-0.00118										
				Cir Clip	NONE		SURFACE TREATMENT: NONE						
				T03	NONE		REMARKS: Measure for CYL Clearance: 15.50 mm (0.610 inch) from Bottom of Skirt.						
11-737	4	PAGE #	161										
		81.000 3.189	62.60 2.465	30.00 1.181	+	2.60 0.102	1.00 0.039	56.00 2.205	80.980	Tolerance is +/- (mm inch) : 0.0045 0.00018			
PISTON RING #		Total Clearance		<div style="text-align: center; color: red; font-size: 1.2em; font-weight: bold;">11-737 Piston is <u>11 711</u> now.</div>									
SWH30373		mm	inch										
		-0.03	-0.00118										
				Cir Clip	NONE		SURFACE TREATMENT: NONE						
				J05	NONE		REMARKS: Measure for CYL Clearance: 16.00 mm (0.630 inch) from Bottom of Skirt.						

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NOA PISTON PART #	C Y L	PISTON INFORMATION				1ST	PIN	COLOR CODE	-0 (STD)	-1 (0.25)	-2 (0.50)	-3 (0.75)	-4 (1.00)
		BORE	LENGTH	COMP.	DIST.	2ND	LENGTH		mm	mm	mm	mm	mm
		mm	mm	mm	mm	OIL1	DIA.	inch	inch	inch	inch	inch	
		inch	inch	inch	inch	OIL2	mm	MID	MID	MID	MID	MID	
11-738	4	84.000	59.60	29.60	4.10	1.20	56.50	YELLOW:	83.9905	84.2405	84.4905	84.7405	84.9905
		3.307	2.346	1.165	0.161	0.047	2.224		3.30671	3.31656	3.32640	3.33624	3.34608
PISTON RING #		Total Clearance				1.20		WHITE:	83.9825	84.2325	84.4825	84.7325	84.9825
		mm	inch			0.047		3.30640	3.31624	3.32608	3.33593	3.34577	
SWH30437		-0.04	-0.00157			2.80	21.00	BLUE:	83.9695	84.2195	84.4695	84.7195	84.9695
						0.110	0.827	3.30589	3.31573	3.32557	3.33541	3.34526	
				Cir Clip				GREEN:	83.9775	84.2275	84.4775	84.7275	84.9775
				NONE				3.30620	3.31604	3.32589	3.33573	3.34557	
				J05				REMARKS: Measure for CYL Clearance: mm from Bottom of Skirt.					
								inch					
PAGE # 161								0.0045 0.00018					
11-739	4	87.000	61.00	31.00	0.90	1.20	57.00	YELLOW:	86.9930	87.2430	87.4930	87.7430	87.9930
		3.425	2.402	1.220	0.035	0.047	2.244		3.42492	3.43476	3.44461	3.45445	3.46429
PISTON RING #		Total Clearance				5.50		RED:	87.0065	87.2565	87.5065	87.7565	88.0065
		mm	inch			0.217	1.20	3.42545	3.43530	3.44514	3.45498	3.46482	
SWH30433		-0.04	-0.00157			3.00	22.00	BLUE:	86.9995	87.2495	87.4995	87.7495	87.9995
						0.118	0.866	3.42518	3.43502	3.44486	3.45470	3.46455	
				Cir Clip				REMARKS: Measure for CYL Clearance: 7.00 mm from Bottom of Skirt.					
				NONE				0.276 inch					
				T01									
PAGE # 163								0.003 0.00012					
11-740	4	87.000	60.50	30.60	2.30	1.20	60.00	YELLOW:	86.9730	87.2230	87.4730	87.7230	87.9730
		3.425	2.382	1.205	0.091	0.047	2.362		3.42413	3.43398	3.44382	3.45366	3.46350
PISTON RING #		Total Clearance				3.20		RED:	86.9865	87.2365	87.4865	87.7365	87.9865
		mm	inch			0.126	1.20	3.42467	3.43451	3.44435	3.45419	3.46404	
SWH30433		-0.04	-0.00157			3.00	22.00	BLUE:	86.9795	87.2295	87.4795	87.7295	87.9795
						0.118	0.866	3.42439	3.43423	3.44407	3.45392	3.46376	
				Cir Clip				REMARKS: Measure for CYL Clearance: 11.00 mm from Bottom of Skirt.					
				NONE				0.433 inch					
				T01									
PAGE # 163								0.003 0.00012					
11-741	4	87.000	61.80	31.00	0.80	1.20	57.00	YELLOW:	86.9630	87.2130	87.4630	87.7130	87.9630
		3.425	2.433	1.220	0.031	0.047	2.244		3.42374	3.43358	3.44343	3.45327	3.46311
PISTON RING #		Total Clearance				1.20		RED:	86.9765	87.2265	87.4765	87.7265	87.9765
		mm	inch			0.047		3.42427	3.43411	3.44396	3.45380	3.46364	
SWH30433		-0.04	-0.00157			2.80	21.97	BLUE:	86.9695	87.2195	87.4695	87.7195	87.9695
						0.110	0.865	3.42400	3.43384	3.44368	3.45352	3.46337	
				Cir Clip				REMARKS: Measure for CYL Clearance: 7.00 mm from Bottom of Skirt.					
								0.276 inch					
				T01									
PAGE # 163								0.003 0.00012					

PISTON BUYER'S GUIDE

Cylinder Wall Clearance is showing Total Diameter, not one side.
EX: -0.04 (Total) / 2 = -0.02 (one side)



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NOA PISTON SPECIFICATION AND PISTON RING # FOR KIT							PISTON DIAMETER MEASURING POINT EXPLANATION									
NOA PISTON PART #	C Y L	PISTON INFORMATION				1ST	PIN	COLOR CODE	-0 (STD)	-1 (0.25)	-2 (0.50)	-3 (0.75)	-4 (1.00)			
		BORE mm inch	LENGTH mm inch	COMP. mm inch	DIST. mm inch	2ND	LENGTH		mm	mm	mm	mm	mm			
						OIL1	DIA.		inch	inch	inch	inch	inch			
11-742	4	PAGE # 167		75.500	54.40	31.40	2.30	1.50	47.30	75.480 Tolerance is +/- (mm inch) : 0.0045 0.00018						
				2.972	2.142	1.236	-	0.091	0.059	1.862	YELLOW:	75.4905	75.7405	75.9905	76.2405	76.4905
		PISTON RING #		Total Clearance			6.70	1.50			WHITE:	75.4825	75.7325	75.9825	76.2325	76.4825
		SWG30017		mm	inch		0.264	0.059			2.97175	2.98159	2.99144	3.00128	3.01112	
				-0.04	-0.00157			3.00	18.00	BLUE:	75.4695	75.7195	75.9695	76.2195	76.4695	
								0.118	0.709	GREEN:	75.4775	75.7275	75.9775	76.2275	76.4775	
											2.97156	2.98140	2.99124	3.00108	3.01093	
				Cir Clip						REMARKS: Measure for CYL Clearance: 5.00 mm from Bottom of Skirt. 0.197 inch						
				NONE												
				J05												
		PAGE # 3		81.000	62.20	30.40	1.80	1.00	56.00	81.000 Tolerance is +/- (mm inch) : 0.0025 0.00010						
11-743	4			3.189	2.449	1.197	+	0.071	0.039	2.205	YELLOW:	80.9775	81.2275	81.4775	81.7275	81.9775
		PISTON RING #		Total Clearance				1.20	0.047		RED:	80.9675	81.2175	81.4675	81.7175	81.9675
				mm	inch			0.047				3.18770	3.19754	3.20738	3.21722	3.22707
		SWH30373		-0.04	-0.00157			2.80	21.00	BLUE:	80.9625	81.2125	81.4625	81.7125	81.9625	
								0.110	0.827	GREEN:	80.9725	81.2225	81.4725	81.7225	81.9725	
											3.18789	3.19774	3.20758	3.21742	3.22726	
				Cir Clip						REMARKS: Measure for CYL Clearance: 15.00 mm from Bottom of Skirt. 0.591 inch						
				NONE												
				C17						CAUTION!!: Bore diameter is measured before skirt Surface Treatment. To Determine "Bore" to Diameter, add wall clearance of +0.04mm (0.00157") to maximum Bore Size.						
		PAGE # 259		95.000	59.00	35.60	0.90	1.50	70.00	94.980 Tolerance is +/- (mm inch) : 0.0045 0.00018						
11-745	4			3.740	2.323	1.402	-	0.035	0.059	2.756	YELLOW:	94.9905	95.2405	95.4905	95.7405	95.9905
		PISTON RING #		Total Clearance				1.50	0.059		WHITE:	94.9825	95.2325	95.4825	95.7325	95.9825
				mm	inch			0.059				3.73947	3.74931	3.75915	3.76900	3.77884
		SWT10139		-0.04	-0.00157			4.00	24.00	BLUE:	94.9695	95.2195	95.4695	95.7195	95.9695	
								0.157	0.945	GREEN:	94.9775	95.2275	95.4775	95.7275	95.9775	
											3.73927	3.74911	3.75896	3.76880	3.77864	
				Cir Clip						REMARKS: Measure for CYL Clearance: 7.00 mm from Bottom of Skirt. 0.276 inch						
				J05												
		PAGE # 177		86.000	55.50	30.40	7.50	1.50	61.50	86.000 Tolerance is +/- (mm inch) : 0.0025 0.00010						
11-747	4			3.386	2.185	1.197	-	0.295	0.059	2.421	YELLOW:	85.9775	86.2275	86.4775	86.7275	86.9775
		PISTON RING #		Total Clearance				1.50	0.059		RED:	85.9675	86.2175	86.4675	86.7175	86.9675
				mm	inch			0.059				3.38455	3.39439	3.40423	3.41407	3.42392
		SWI10205		-0.03	-0.00118			3.00	21.00	BLUE:	85.9625	86.2125	86.4625	86.7125	86.9625	
								0.118	0.827	GREEN:	85.9725	86.2225	86.4725	86.7225	86.9725	
											3.38474	3.39459	3.40443	3.41427	3.42411	
				Cir Clip						REMARKS: Measure for CYL Clearance: 10.00 mm from Bottom of Skirt. 0.394 inch						
				NONE												
				C17												

PISTON BUYER'S GUIDE

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Total Diameter, not one side.
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NOA PISTON SPECIFICATION AND PISTON RING # FOR KIT							PISTON DIAMETER MEASURING POINT EXPLANATION						
NOA PISTON PART #	C Y L	PISTON INFORMATION				1ST	PIN	COLOR CODE	-0 (STD)	-1 (0.25)	-2 (0.50)	-3 (0.75)	-4 (1.00)
		BORE	LENGTH	COMP.	DIST.	2ND	LENGTH		mm	mm	mm	mm	mm
		mm inch	mm inch	mm inch	mm inch	OIL1 OIL2	DIA. mm		inch	inch	inch	inch	inch
11-749	6	93.000	86.00	32.00	2.70	1.50	64.00	YELLOW:	92.9775	93.2275	93.4775	93.7275	93.9775
		3.661	3.386	1.260	0.106	0.059	2.520		3.66053	3.67037	3.68022	3.69006	3.69990
PISTON RING #		Total Clearance		-	-	-	-	RED:	92.9675	93.2175	93.4675	93.7175	93.9675
SWM31121		mm	inch						0.059	3.00	22.00	3.66014	3.66998
		-0.04	-0.00157					BLUE:	92.9625	93.2125	93.4625	93.7125	93.9625
								GREEN:	3.65994	3.66978	3.67963	3.68947	3.69931
									92.9725	93.2225	93.4725	93.7225	93.9725
									3.66033	3.67018	3.68002	3.68986	3.69970
				Cir Clip				REMARKS:					
						SURFACE TREATMENT		Measure for CYL					
				C17		NONE		Clearance: 15.00 mm from Bottom of Skirt.					
11-750	4	87.000	56.50	32.50	4.50	1.20	66.00	YELLOW:	86.9775	87.2275	87.4775	87.7275	87.9775
		3.425	2.224	1.280	0.177	0.047	2.598		3.42431	3.43415	3.44400	3.45384	3.46368
PISTON RING #		Total Clearance		-	-	-	-	RED:	86.9675	87.2175	87.4675	87.7175	87.9675
SWT10166		mm	inch						0.047	3.00	22.00	3.42392	3.43376
		-0.04	-0.00157					BLUE:	86.9625	87.2125	87.4625	87.7125	87.9625
								GREEN:	3.42372	3.43356	3.44341	3.45325	3.46309
									86.9725	87.2225	87.4725	87.7225	87.9725
									3.42411	3.43396	3.44380	3.45364	3.46348
				Cir Clip				REMARKS:					
						SURFACE TREATMENT		Measure for CYL					
				C17		NONE		Clearance: 15.00 mm from Bottom of Skirt.					
11-751	4	85.000	65.00	30.50	3.80	1.20	57.00	YELLOW:	84.9905	85.2405	85.4905	85.7405	85.9905
		3.346	2.559	1.201	0.150	0.047	2.244		3.34608	3.35593	3.36577	3.37561	3.38545
PISTON RING #		Total Clearance		-	-	-	-	WHITE:	84.9825	85.2325	85.4825	85.7325	85.9825
SWH30383		mm	inch						0.047	2.80	22.00	3.34577	3.35561
		-0.04	-0.00157					BLUE:	84.9695	85.2195	85.4695	85.7195	85.9695
								GREEN:	3.34526	3.35510	3.36494	3.37478	3.38463
									84.9775	85.2275	85.4775	85.7275	85.9775
									3.34557	3.35541	3.36526	3.37510	3.38494
				Cir Clip				REMARKS:					
				NONE		SURFACE TREATMENT		Measure for CYL					
				J05		NONE		Clearance: 14.00 mm from Bottom of Skirt.					
11-752	4	75.000	50.00	30.00	3.40	1.00	56.00	YELLOW:	74.9705	75.2205	75.4705	75.7205	75.9705
		2.953	1.969	1.181	0.134	0.039	2.205		2.95159	2.96144	2.97128	2.98112	2.99096
PISTON RING #		Total Clearance		-	-	-	-	WHITE:	74.9625	75.2125	75.4625	75.7125	75.9625
SWH30423		mm	inch						0.047	2.80	19.00	2.95128	2.96112
		-0.04	-0.00157					BLUE:	74.9495	75.1995	75.4495	75.6995	75.9495
								GREEN:	2.95077	2.96061	2.97045	2.98030	2.99014
									74.9575	75.2075	75.4575	75.7075	75.9575
									2.95108	2.96093	2.97077	2.98061	2.99045
				Cir Clip				REMARKS:					
				NONE		SURFACE TREATMENT		Measure for CYL					
				J05		NONE		Clearance: 15.00 mm from Bottom of Skirt.					

PISTON BUYER'S GUIDE

Cylinder Wall Clearance is showing Total Diameter, not one side.
EX: -0.04 (Total) / 2 = -0.02 (one side)



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NOA PISTON SPECIFICATION AND PISTON RING # FOR KIT							PISTON DIAMETER MEASURING POINT EXPLANATION							
NOA PISTON PART #	C Y L	PISTON INFORMATION				1ST	PIN	COLOR CODE	-0 (STD)	-1 (0.25)	-2 (0.50)	-3 (0.75)	-4 (1.00)	
		BORE	LENGTH	COMP.	DIST.	2ND	LENGTH		mm	mm	mm	mm	mm	
		mm	mm	mm	mm	OIL1	DIA.	inch	inch	inch	inch	inch		
		inch	inch	inch	inch	OIL2	mm	MID	MID	MID	MID	MID		
PAGE # 3														
11-753	4	81.000	60.00	30.00	-	1.60	1.00	YELLOW:	80.9930	81.2430	81.4930	81.7430	81.9930	
		3.189	2.362	1.181		0.063	0.039		2.205	3.18870	3.19854	3.20839	3.21823	3.22807
PISTON RING #		Total Clearance				4.60	1.20	RED:	81.0065	81.2565	81.5065	81.7565	82.0065	
		mm	inch			0.18	0.047		3.18923	3.19907	3.20892	3.21876	3.22860	
SWH30373		-0.04	-0.00157				2.80	21.00	BLUE:	80.9995	81.2495	81.4995	81.7495	81.9995
							0.110	0.827		3.18896	3.19880	3.20864	3.21848	3.22833
				Cir Clip		NONE		REMARKS:						
				NONE		SURFACE TREATMENT		Measure for CYL Clearance: 6.00 mm from Bottom of Skirt.						
				T01		NONE								
PAGE # 3														
11-754	4	81.000	60.00	30.20	-	2.40	1.00	YELLOW:	80.9830	81.2330	81.4830	81.7330	81.9830	
		3.189	2.362	1.189		0.094	0.039		2.224	3.18831	3.19815	3.20799	3.21783	3.22768
PISTON RING #		Total Clearance				4.80	1.20	RED:	80.9965	81.2465	81.4965	81.7465	81.9965	
		mm	inch			0.19	0.047		3.18884	3.19868	3.20852	3.21837	3.22821	
SWH30373		-0.04	-0.00157				2.80	21.00	BLUE:	80.9895	81.2395	81.4895	81.7395	81.9895
							0.110	0.827		3.18856	3.19841	3.20825	3.21809	3.22793
				Cir Clip		NONE		REMARKS:						
				NONE		SURFACE TREATMENT		Measure for CYL Clearance: 12.00 mm from Bottom of Skirt.						
				T01		NONE								
PAGE # 227														
11-755	4	89.000	60.90	34.00	-	6.40	1.20	YELLOW:	88.9775	89.2275	89.4775	89.7275	89.9775	
		3.504	2.398	1.339		0.252	0.047		2.244	3.50305	3.51289	3.52274	3.53258	3.54242
PISTON RING #		Total Clearance				6.50	1.20	RED:	88.9675	89.2175	89.4675	89.7175	89.9675	
		mm	inch			0.26	0.047		3.50266	3.51250	3.52234	3.53219	3.54203	
SWN30143		-0.04	-0.00157				2.50	20.99	BLUE:	88.9625	89.2125	89.4625	89.7125	89.9625
							0.098	0.826		3.50246	3.51230	3.52215	3.53199	3.54183
				Cir Clip		NONE		REMARKS:						
				C17		SURFACE TREATMENT		Measure for CYL Clearance: 10.00 mm from Bottom of Skirt.						
				NONE		Anodized Head		CAUTION!!!: Bore diameter is measured before skirt Surface Treatment. To Determine "Bore" to Diameter, add wall clearance of +0.04mm (0.00157") to maximum Bore Size.						
				C17		NONE								
PAGE # 93 255														
11-756	4	79.000	51.60	29.90	-	4.20	1.20	YELLOW:	78.9775	79.2275	79.4775	79.7275	79.9775	
		3.110	2.031	1.177		0.165	0.047		1.969	3.10935	3.11919	3.12904	3.13888	3.14872
PISTON RING #		Total Clearance		+		2.30	1.20	RED:	78.9675	79.2175	79.4675	79.7175	79.9675	
		mm	inch			0.09	0.047		3.10896	3.11880	3.12864	3.13848	3.14833	
SWT10183		-0.04	-0.00157				3.00	20.00	BLUE:	78.9625	79.2125	79.4625	79.7125	79.9625
							0.118	0.787		3.10876	3.11860	3.12844	3.13829	3.14813
				Cir Clip		NONE		REMARKS:						
				C17		SURFACE TREATMENT		Measure for CYL Clearance: 10.00 mm from Bottom of Skirt.						
				NONE		NONE								
				C17		NONE								

PISTON BUYER'S GUIDE

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NOA PISTON SPECIFICATION AND PISTON RING # FOR KIT							PISTON DIAMETER MEASURING POINT EXPLANATION						
NOA PISTON PART #	C Y L	PISTON INFORMATION				1ST	PIN	COLOR CODE	-0 (STD)	-1 (0.25)	-2 (0.50)	-3 (0.75)	-4 (1.00)
		BORE	LENGTH	COMP.	DIST.	2ND	LENGTH		mm	mm	mm	mm	mm
						OIL1	DIA.		inch	inch	inch	inch	inch
mm	mm	mm	mm	mm	OIL2	mm	mm	mm	mm	mm	mm	mm	
inch	inch	inch	inch	inch			inch	inch	inch	inch	inch	inch	
PAGE #		3						84.995		Tolerance is +/- (mm inch) :		0.003	0.00012
11-757	4	85.000	65.00	30.50	-	2.20	1.20	YELLOW:	84.9880	85.2380	85.4880	85.7380	85.9880
		3.346	2.559	1.201		0.087	0.047		2.244	3.34598	3.35583	3.36567	3.37551
PISTON RING #		Total Clearance				4.65	1.20	RED:	85.0015	85.2515	85.5015	85.7515	86.0015
						0.18	0.047		3.34652	3.35636	3.36620	3.37604	3.38589
SWH30383		-0.04 -0.00157				3.40	2.80	BLUE:	84.9945	85.2445	85.4945	85.7445	85.9945
						0.13	0.110		3.34624	3.35608	3.36593	3.37577	3.38561
				Cir Clip		NONE		REMARKS: Measure for CYL Clearance: 14.00 mm from Bottom of Skirt. 0.551 inch					
				NONE		SURFACE TREATMENT							
				T01		NONE							
PAGE #		17 213						85.000		Tolerance is +/- (mm inch) :		0.0025	0.00010
11-758	4	85.000	67.00	35.00	-	3.30	1.20	YELLOW:	84.9775	85.2275	85.4775	85.7275	85.9775
		3.346	2.638	1.378		0.130	0.047		2.441	3.34557	3.35541	3.36526	3.37510
PISTON RING #		Total Clearance				1.50	1.50	RED:	84.9675	85.2175	85.4675	85.7175	85.9675
						0.059	0.059		3.34518	3.35502	3.36486	3.37470	3.38455
SWM31103		-0.04 -0.00157				2.80	22.00	BLUE:	84.9625	85.2125	85.4625	85.7125	85.9625
						0.110	0.866		3.34498	3.35482	3.36467	3.37451	3.38435
				Cir Clip		NONE		REMARKS: Measure for CYL Clearance: 10.00 mm from Bottom of Skirt. 0.394 inch					
				NONE		SURFACE TREATMENT							
				C17		NONE		CAUTION!!!: Bore diameter is measured before skirt Surface Treatment. To Determine "Bore" to Diameter, add wall clearance of +0.04mm (0.00157") to maximum Bore Size.					
PAGE #		205						89.995		Tolerance is +/- (mm inch) :		0.003	0.00012
11-759	6	90.000	70.70	35.20	+	1.45	1.50	YELLOW:	89.9880	90.2380	90.4880	90.7380	90.9880
		3.543	2.783	1.386		0.057	0.059		2.480	3.54283	3.55268	3.56252	3.57236
PISTON RING #		Total Clearance				5.60	1.50	RED:	90.0015	90.2515	90.5015	90.7515	91.0015
						0.22	0.059		3.54337	3.55321	3.56305	3.57289	3.58274
SWT20062		-0.04 -0.00157				4.00	23.00	BLUE:	89.9945	90.2445	90.4945	90.7445	90.9945
						0.157	0.906		3.54309	3.55293	3.56278	3.57262	3.58246
				Cir Clip		NONE		REMARKS: Measure for CYL Clearance: 16.00 mm from Bottom of Skirt. 0.630 inch					
				NONE		SURFACE TREATMENT							
				T01		Moly Skirt		CAUTION!!!: Bore diameter is measured before skirt Surface Treatment. To Determine "Bore" to Diameter, add wall clearance of +0.04mm (0.00157") to maximum Bore Size.					
PAGE #		217						91.100		Tolerance is +/- (mm inch) :		0.0025	0.00010
11-762	6	91.100	65.80	31.80	-	3.20	1.20	YELLOW:	91.0775	91.3275	91.5775	91.8275	92.0775
		3.587	2.591	1.252		0.126	0.047		2.520	3.58573	3.59557	3.60541	3.61526
PISTON RING #		Total Clearance				1.50	1.50	RED:	91.0675	91.3175	91.5675	91.8175	92.0675
						0.059	0.059		3.58533	3.59518	3.60502	3.61486	3.62470
SWM31078		-0.04 -0.00157				3.00	22.00	BLUE:	91.0625	91.3125	91.5625	91.8125	92.0625
						0.118	0.866		3.58514	3.59498	3.60482	3.61467	3.62451
				Cir Clip		NONE		REMARKS: Measure for CYL Clearance: 20.00 mm from Bottom of Skirt. 0.787 inch					
				NONE		SURFACE TREATMENT							
				C17		NONE							

PISTON BUYER'S GUIDE

Cylinder Wall Clearance is showing Total Diameter, not one side.
EX: -0.04 (Total) / 2 = -0.02 (one side)



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NOA PISTON SPECIFICATION AND PISTON RING # FOR KIT							PISTON DIAMETER MEASURING POINT EXPLANATION						
NOA PISTON PART #	C Y L	PISTON INFORMATION				1ST	PIN	COLOR CODE	-0 (STD)	-1 (0.25)	-2 (0.50)	-3 (0.75)	-4 (1.00)
		BORE	LENGTH	COMP.	DIST.	2ND	LENGTH		mm	mm	mm	mm	mm
		mm inch	mm inch	mm inch	mm inch	OIL1	DIA.		inch	inch	inch	inch	inch
11-764	6	93.400	57.00	33.70	1.90	1.50	66.00	YELLOW:	93.3775	93.6275	93.8775	94.1275	94.3775
		3.677	2.244	1.327	0.075	0.059	2.598		3.67628	3.68612	3.69596	3.70581	3.71565
PISTON RING #		Total Clearance						RED:	93.3675	93.6175	93.8675	94.1175	94.3675
		mm	inch						3.67589	3.68573	3.69557	3.70541	3.71526
SW110191		-0.04	-0.00157			3.00	22.00	BLUE:	93.3625	93.6125	93.8625	94.1125	94.3625
						0.118	0.866		3.67569	3.68553	3.69537	3.70522	3.71506
				Cir Clip				GREEN:	93.3725	93.6225	93.8725	94.1225	94.3725
				NONE					3.67608	3.68593	3.69577	3.70561	3.71545
				C17				REMARKS:	Measure for CYL Clearance: 10.00 mm from Bottom of Skirt. 0.394 inch				
PAGE #		179											
11-767	4	81.000	60.00	30.80	0.20	1.20	58.00	YELLOW:	80.9775	81.2275	81.4775	81.7275	81.9775
		3.189	2.362	1.213	0.008	0.047	2.283		3.18809	3.19793	3.20778	3.21762	3.22746
PISTON RING #		Total Clearance						RED:	80.9675	81.2175	81.4675	81.7175	81.9675
		mm	inch						3.18770	3.19754	3.20738	3.21722	3.22707
SWM31079		-0.04	-0.00157			2.80	19.00	BLUE:	80.9625	81.2125	81.4625	81.7125	81.9625
						0.110	0.748		3.18750	3.19734	3.20719	3.21703	3.22687
				Cir Clip				GREEN:	80.9725	81.2225	81.4725	81.7225	81.9725
				NONE					3.18789	3.19774	3.20758	3.21742	3.22726
				C17				REMARKS:	Measure for CYL Clearance: 10.00 mm from Bottom of Skirt. 0.394 inch				
PAGE #		15	211										
11-769	4	74.000	56.00	29.00	1.80	1.20	61.50	YELLOW:	73.9775	74.2275	74.4775	74.7275	74.9775
		2.913	2.205	1.142	0.071	0.047	2.421		2.91250	2.92234	2.93219	2.94203	2.95187
PISTON RING #		Total Clearance						RED:	73.9675	74.2175	74.4675	74.7175	74.9675
		mm	inch						2.91211	2.92195	2.93179	2.94163	2.95148
SWS20186		-0.04	-0.00157			2.50	19.00	BLUE:	73.9625	74.2125	74.4625	74.7125	74.9625
						0.098	0.748		2.91191	2.92175	2.93159	2.94144	2.95128
				Cir Clip				GREEN:	73.9725	74.2225	74.4725	74.7225	74.9725
									2.91230	2.92215	2.93199	2.94183	2.95167
				C17				REMARKS:	Measure for CYL Clearance: 10.00 mm from Bottom of Skirt. 0.394 inch				
PAGE #		249											
11-771	6	84.000	52.50	30.60		1.20	59.00	YELLOW:	83.9730	84.2230	84.4730	84.7230	84.9730
		3.307	2.067	1.205		0.047	2.323		3.30602	3.31587	3.32571	3.33555	3.34539
PISTON RING #		Total Clearance						RED:	83.9865	84.2365	84.4865	84.7365	84.9865
		mm	inch						3.30656	3.31640	3.32624	3.33608	3.34593
NA		-0.03	-0.00118			2.50	21.00	BLUE:	83.9795	84.2295	84.4795	84.7295	84.9795
						0.098	0.827		3.30628	3.31612	3.32596	3.33581	3.34565
				Cir Clip									
				NONE				REMARKS:	Measure for CYL Clearance: 6.00 mm from Bottom of Skirt. 0.236 inch				
				T01									
PAGE #		169	187										

PISTON BUYER'S GUIDE

Cylinder Wall Clearance is showing
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NOA PISTON SPECIFICATION AND PISTON RING # FOR KIT								PISTON DIAMETER MEASURING POINT EXPLANATION					
NOA PISTON PART #	C Y L	PISTON INFORMATION				1ST	PIN	COLOR CODE	-0 (STD)	-1 (0.25)	-2 (0.50)	-3 (0.75)	-4 (1.00)
		BORE	LENGTH	COMP.	DIST.	2ND	LENGTH		mm	mm	mm	mm	mm
		mm inch	mm inch	mm inch	mm inch	OIL1 OIL2	DIA. mm		inch	inch	inch	inch	inch
11-772	4	86.500	66.70	34.60	3.50	1.20	62.00	YELLOW:	86.4830	86.7330	86.9830	87.2330	87.4830
		3.406	2.626	1.362	0.138	0.047	2.441		3.40484	3.41469	3.42453	3.43437	3.44421
PISTON RING #		Total Clearance						RED:	86.4965	86.7465	86.9965	87.2465	87.4965
SWG30047		mm	inch					BLUE:	3.40537	3.41522	3.42506	3.43490	3.44474
		-0.03	-0.00118			2.80	22.00		3.40510	3.41494	3.42478	3.43463	3.44447
						0.110	0.866	REMARKS: Measure for CYL Clearance: 5.00 mm from Bottom of Skirt. 0.197 inch					
PAGE #		169		187									
11-773	4	75.500	51.30	28.30	2.30	1.20	52.00	YELLOW:	75.4850	75.7350	75.9850	76.2350	76.4850
		2.972	2.020	1.114	0.091	0.047	2.047		2.97185	2.98169	2.99154	3.00138	3.01122
PISTON RING #		Total Clearance						WHITE:	75.4825	75.7325	75.9825	76.2325	76.4825
SWK30019		mm	inch			1.20	19.98	BLUE:	2.97175	2.98159	2.99144	3.00128	3.01112
		-0.03	-0.00118			0.047	0.787	GREEN:	75.4750	75.7250	75.9750	76.2250	76.4750
						0.098			2.97146	2.98130	2.99114	3.00098	3.01083
								REMARKS: Measure for CYL Clearance: 18.00 mm from Bottom of Skirt. 0.709 inch					
PAGE #		185											
11-774	6	93.000	65.20	31.20	6.00	1.50	64.00	YELLOW:	92.9775	93.2275	93.4775	93.7275	93.9775
		3.661	2.567	1.228	0.236	0.059	2.520		3.66053	3.67037	3.68022	3.69006	3.69990
PISTON RING #		Total Clearance						RED:	92.9675	93.2175	93.4675	93.7175	93.9675
SWM31121		mm	inch			1.50	22.00	BLUE:	3.66014	3.66998	3.67982	3.68967	3.69951
		-0.03	-0.00118			0.059	0.866	GREEN:	92.9625	93.2125	93.4625	93.7125	93.9625
						0.118			3.65994	3.66978	3.67963	3.68947	3.69931
								REMARKS: Measure for CYL Clearance: 10.00 mm from Bottom of Skirt. 0.394 inch					
PAGE #		217											
11-775	4	84.000	58.90	29.40	4.90	1.20	58.00	YELLOW:	83.9775	84.2275	84.4775	84.7275	84.9775
		3.307	2.319	1.157	0.193	0.047	2.283		3.30620	3.31604	3.32589	3.33573	3.34557
PISTON RING #		Total Clearance						RED:	83.9675	84.2175	84.4675	84.7175	84.9675
SWS20178		mm	inch			1.50	21.00	BLUE:	3.30581	3.31565	3.32549	3.33533	3.34518
		-0.04	-0.00157			0.059	0.827	GREEN:	83.9625	84.2125	84.4625	84.7125	84.9625
						0.098			3.30561	3.31545	3.32530	3.33514	3.34498
								REMARKS: Measure for CYL Clearance: 10.00 mm from Bottom of Skirt. 0.394 inch					
PAGE #		249											

PISTON BUYER'S GUIDE

Cylinder Wall Clearance is showing
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NOA PISTON SPECIFICATION AND PISTON RING # FOR KIT							PISTON DIAMETER MEASURING POINT EXPLANATION						
NOA PISTON PART #	C Y L	PISTON INFORMATION				1ST	PIN	COLOR CODE	-0 (STD)	-1 (0.25)	-2 (0.50)	-3 (0.75)	-4 (1.00)
		BORE	LENGTH	COMP.	DIST.	2ND	LENGTH		mm	mm	mm	mm	mm
		mm inch	mm inch	mm inch	mm inch	OIL1 OIL2	DIA. mm		inch	inch	inch	inch	inch
11-776	4	75.000	49.00	30.10	-	6.20	1.20	75.000	-0.0025	0.00010			
		2.953	1.929	1.185		0.244	0.047				2.087	mm	mm
PISTON RING #		Total Clearance				2.20	1.20						
		mm	inch			0.087	0.047						
SWT10192		-0.03	-0.00118				2.00						
							0.079						
				Cir Clip									
				NONE		SURFACE TREATMENT							
				C17		NONE							
PAGE #		237	253										
11-777	4	79.000	51.70	29.80	+	2.40	1.20	78.960	0.0045	0.00018			
		3.110	2.035	1.173		0.094	0.047				1.969	mm	mm
PISTON RING #		Total Clearance				1.20	1.20						
		mm	inch			0.047	0.047						
SWT10183		-0.03	-0.00118				3.00						
							0.118						
				Cir Clip									
						SURFACE TREATMENT							
				J05		Moly Skirt							
PAGE #		93	255										
11-778	6	86.000	65.00	34.00	-	3.80	1.50	85.970	0.01	0.00039			
		3.386	2.559	1.339		0.150	0.059				2.598	mm	mm
PISTON RING #		Total Clearance				1.50	1.50						
		mm	inch			0.059	0.059						
SWT10134		-0.03	-0.00118				4.00						
							0.157						
				Cir Clip									
						SURFACE TREATMENT							
				T03		Moly Skirt							
PAGE #		261											
11-779	4	79.000	51.30	28.30	-	2.90	1.20	78.960	0.0045	0.00018			
		3.110	2.020	1.114		0.114	0.047				2.154	mm	mm
PISTON RING #		Total Clearance				1.50	1.50						
		mm	inch			0.059	0.059						
SWD20004		-0.03	-0.00118				3.00						
							0.118						
				Cir Clip									
				NONE		SURFACE TREATMENT							
				J05		NONE							
PAGE #		53											

PISTON BUYER'S GUIDE

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NOA PISTON SPECIFICATION AND PISTON RING # FOR KIT								PISTON DIAMETER MEASURING POINT EXPLANATION								
NOA PISTON PART #	C Y L	PISTON INFORMATION				1ST	PIN	COLOR CODE	-0 (STD)	-1 (0.25)	-2 (0.50)	-3 (0.75)	-4 (1.00)			
		BORE	LENGTH	COMP.	DIST.	2ND	LENGTH		mm	mm	mm	mm	mm			
		mm inch	mm inch	mm inch	mm inch	OIL1 OIL2	DIA. mm		inch	inch	inch	inch	inch			
11-780	6	PAGE # 31		86.000	53.20	31.20		1.50	60.00	85.960 Tolerance is +/- (mm inch) : 0.0045 0.00018						
				3.386	2.094	1.228		0.059	2.362	YELLOW:	85.9705	86.2205	86.4705	86.7205	86.9705	
		PISTON RING #		Total Clearance				1.50		WHITE:	85.9625	86.2125	86.4625	86.7125	86.9625	
SWC10001		mm inch				0.059		BLUE:	3.38435	3.39419	3.40404	3.41388	3.42372			
		-0.04 -0.00157				3.00	22.000	GREEN:	85.9495	86.1995	86.4495	86.6995	86.9495			
						0.118	0.866		3.38384	3.39368	3.40352	3.41337	3.42321			
				Cir Clip				REMARKS:								
						SURFACE TREATMENT		Measure for CYL 7.00 mm from Bottom of Skirt.								
				J05		Anodized Head		Clearance: 0.276 inch								
						Moly Skirt		CAUTION!!: Bore diameter is measured before skirt Surface Treatment. To Determine "Bore" to Diameter, add wall clearance of +0.04mm (0.00157") to maximum Bore Size.								
11-781	4	PAGE # 3 163		86.000	51.50	30.02	-	2.40	1.20	85.980 Tolerance is +/- (mm inch) : 0.003 0.00012						
				3.386	2.028	1.182		0.094	0.047	2.126	YELLOW:	85.9730	86.2230	86.4730	86.7230	86.9730
		PISTON RING #		Total Clearance				4.80	1.20	RED:	85.9865	86.2365	86.4865	86.7365	86.9865	
SWH30443		mm inch				0.19	0.047	BLUE:	3.38530	3.39514	3.40498	3.41482	3.42467			
		-0.04 -0.00157				3.20	2.80		85.9795	86.2295	86.4795	86.7295	86.9795			
						0.13	0.110		3.38502	3.39486	3.40470	3.41455	3.42439			
				Cir Clip				REMARKS:								
						SURFACE TREATMENT		Measure for CYL 16.00 mm from Bottom of Skirt.								
				T01		NONE		Clearance: 0.630 inch								
						NONE										
11-785	4	PAGE # 161		75.000	49.10	29.10	-	2.40	1.00	74.990 Tolerance is +/- (mm inch) : 0.003 0.00012						
				2.953	1.933	1.146		0.094	0.039	2.205	YELLOW:	74.9830	75.2330	75.4830	75.7330	75.9830
		PISTON RING #		Total Clearance				4.40	1.20	RED:	74.9965	75.2465	75.4965	75.7465	75.9965	
SWH30423		mm inch				0.17	0.047	BLUE:	2.95262	2.96246	2.97230	2.98215	2.99199			
		-0.03 -0.00118				2.60	2.80		74.9895	75.2395	75.4895	75.7395	75.9895			
						0.10	0.110		2.95234	2.96219	2.97203	2.98187	2.99171			
				Cir Clip				REMARKS:								
				NONE		SURFACE TREATMENT		Measure for CYL 3.00 mm from Bottom of Skirt.								
				T01		NONE		Clearance: 0.118 inch								
						NONE										
11-788	4	PAGE # 235 245		99.500	50.00	29.50	-	1.70	1.20	99.500 Tolerance is +/- (mm inch) : 0.0025 0.00010						
				3.917	1.969	1.161		0.067	0.047	2.520	YELLOW:	99.4775	99.7275	99.9775	100.2275	100.4775
		PISTON RING #		Total Clearance				1.20	0.047	RED:	99.4675	99.7175	99.9675	100.2175	100.4675	
SWF20066		mm inch				0.047		BLUE:	3.91604	3.92589	3.93573	3.94557	3.95541			
		-0.04 -0.00157				2.50	23.00		99.4625	99.7125	99.9625	100.2125	100.4625			
						0.098	0.906		3.91585	3.92569	3.93553	3.94537	3.95522			
				Cir Clip				REMARKS:								
						SURFACE TREATMENT		Measure for CYL 10.00 mm from Bottom of Skirt.								
				C17		Moly Skirt		Clearance: 0.394 inch								
								CAUTION!!: Bore diameter is measured before skirt Surface Treatment. To Determine "Bore" to Diameter, add wall clearance of +0.04mm (0.00157") to maximum Bore Size.								

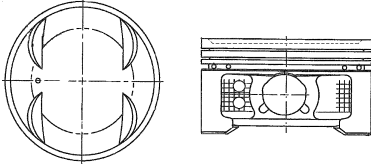
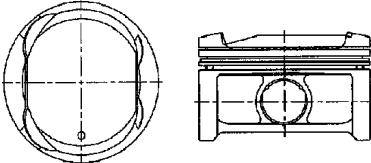
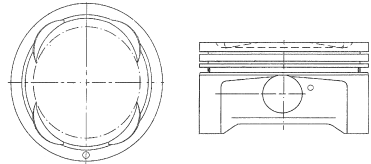
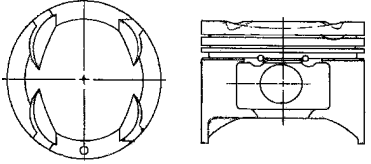
PISTON BUYER'S GUIDE

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NOA PISTON PART #	C Y L	PISTON INFORMATION				1ST	PIN	COLOR CODE	-0 (STD)	-1 (0.25)	-2 (0.50)	-3 (0.75)	-4 (1.00)
		BORE	LENGTH	COMP.	DIST.	2ND	LENGTH		mm	mm	mm	mm	mm
		mm inch	mm inch	mm inch	mm inch	OIL1 OIL2	DIA. mm		inch	inch	inch	inch	inch
11-791	6	86.000	51.50	30.00	0.80	1.20	54.00	YELLOW:	85.9775	86.2275	86.4775	86.7275	86.9775
		3.386	2.028	1.181	-	0.031	0.047		2.126	3.38494	3.39478	3.40463	3.41447
PISTON RING #		Total Clearance				1.20		RED:	85.9675	86.2175	86.4675	86.7175	86.9675
SWH30432		mm	inch			0.047			3.38455	3.39439	3.40423	3.41407	3.42392
		-0.04	-0.00157			2.80	22.00	BLUE:	85.9625	86.2125	86.4625	86.7125	86.9625
						0.110	0.866	GREEN:	3.38435	3.39419	3.40404	3.41388	3.42372
								85.9725	86.2225	86.4725	86.7225	86.9725	
								3.38474	3.39459	3.40443	3.41427	3.42411	
		Cir Clip						REMARKS:					
		NONE						Measure for CYL Clearance: 15.00 mm from Bottom of Skirt.					
		C17						Clearance: 0.591 inch					
PAGE #		5	165										
11-792	4	88.500	55.80	33.70	6.40	1.20	56.00	YELLOW:	88.4805	88.7305	88.9805	89.2305	89.4805
		3.484	2.197	1.327	-	0.252	0.047		2.205	3.48348	3.49333	3.50317	3.51301
PISTON RING #		Total Clearance				1.20		WHITE:	88.4725	88.7225	88.9725	89.2225	89.4725
SWT10182		mm	inch			0.047			3.48317	3.49301	3.50285	3.51270	3.52254
		-0.03	-0.00118			2.00	22.00	BLUE:	88.4595	88.7095	88.9595	89.2095	89.4595
						0.079	0.866	GREEN:	3.48266	3.49250	3.50234	3.51219	3.52203
								88.4675	88.7175	88.9675	89.2175	89.4675	
								3.48297	3.49281	3.50266	3.51250	3.52234	
		Cir Clip						REMARKS:					
		NONE						Measure for CYL Clearance: 4.00 mm from Bottom of Skirt.					
		J05						Clearance: 0.157 inch					
PAGE #		103	237										
								CAUTION!!: Bore diameter is measured before skirt Surface Treatment. To Determine "Bore" to Diameter, add wall clearance of +0.04mm (0.00157") to maximum Bore Size.					
11-793	6	93.500	52.70	29.70	3.00	1.50	66.00	YELLOW:	93.4775	93.7275	93.9775	94.2275	94.4775
		3.681	2.075	1.169	-	0.118	0.059		2.598	3.68022	3.69006	3.69990	3.70974
PISTON RING #		Total Clearance				1.50		RED:	93.4675	93.7175	93.9675	94.2175	94.4675
SW10191		mm	inch			0.059			3.67982	3.68967	3.69951	3.70935	3.71919
		-0.04	-0.00157			3.00	22.00	BLUE:	93.4625	93.7125	93.9625	94.2125	94.4625
						0.118	0.866	GREEN:	3.67963	3.68947	3.69931	3.70915	3.71900
								93.4725	93.7225	93.9725	94.2225	94.4725	
								3.68002	3.68986	3.69970	3.70955	3.71939	
		Cir Clip						REMARKS:					
		NONE						Measure for CYL Clearance: 15.00 mm from Bottom of Skirt.					
		C17						Clearance: 0.591 inch					
PAGE #		5	179										
11-794	4	78.000	62.40	31.90	2.50	1.50	57.00	YELLOW:	77.9775	78.2275	78.4775	78.7275	78.9775
		3.071	2.457	1.256	-	0.098	0.059		2.244	3.06998	3.07982	3.08967	3.09951
PISTON RING #		Total Clearance				1.50		RED:	77.9675	78.2175	78.4675	78.7175	78.9675
SWT20060		mm	inch			0.059			3.06959	3.07943	3.08927	3.09911	3.10896
		-0.04	-0.00157			3.00	20.00	BLUE:	77.9625	78.2125	78.4625	78.7125	78.9625
						0.118	0.787	GREEN:	3.06939	3.07923	3.08907	3.09892	3.10876
								77.9725	78.2225	78.4725	78.7225	78.9725	
								3.06978	3.07963	3.08947	3.09931	3.10915	
		Cir Clip						REMARKS:					
		NONE						Measure for CYL Clearance: 15.00 mm from Bottom of Skirt.					
		C17						Clearance: 0.591 inch					
PAGE #		199											

PISTON BUYER'S GUIDE

Cylinder Wall Clearance is showing
Total Diameter, not one side.
EX: -0.04 (Total) / 2 = -0.02 (one side)



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NOA PISTON SPECIFICATION AND PISTON RING # FOR KIT								PISTON DIAMETER MEASURING POINT EXPLANATION					
NOA PISTON PART #	C Y L	PISTON INFORMATION				1ST	PIN	COLOR CODE	-0 (STD)	-1 (0.25)	-2 (0.50)	-3 (0.75)	-4 (1.00)
		BORE	LENGTH	COMP.	DIST.	2ND	LENGTH		mm	mm	mm	mm	mm
		mm inch	mm inch	mm inch	mm inch	OIL1	DIA.		inch	inch	inch	inch	inch
11-795	4	86.000	59.10	35.00	3.90	1.20	56.00	YELLOW:	85.9775	86.2275	86.4775	86.7275	86.9775
		3.386	2.327	1.378	0.154	0.047	2.205		3.38494	3.39478	3.40463	3.41447	3.42431
PISTON RING #		Total Clearance				1.20		RED:	85.9675	86.2175	86.4675	86.7175	86.9675
SWT10162		mm	inch			0.047			3.38455	3.39439	3.40423	3.41407	3.42392
		-0.04	-0.00157			3.00	22.00	BLUE:	85.9625	86.2125	86.4625	86.7125	86.9625
						0.118	0.866		3.38435	3.39419	3.40404	3.41388	3.42372
								GREEN:	85.9725	86.2225	86.4725	86.7225	86.9725
									3.38474	3.39459	3.40443	3.41427	3.42411
						Cir Clip		REMARKS:					
						NONE		Measure for CYL 15.00 mm from Bottom of Skirt.					
						C17		Clearance: 0.591 inch					
								SURFACE TREATMENT					
								NONE					
								NONE					
PAGE #		257						86.000 Tolerance is +/- (mm inch) : 0.0025 0.00010					
11-797	4	75.000	46.50	26.90	2.90	1.00	56.00	YELLOW:	74.9775	75.2275	75.4775	75.7275	75.9775
		2.953	1.831	1.059	0.114	0.039	2.205		2.95187	2.96171	2.97156	2.98140	2.99124
PISTON RING #		Total Clearance				1.20		RED:	74.9675	75.2175	75.4675	75.7175	75.9675
SWH30440		mm	inch			0.047			2.95148	2.96132	2.97116	2.98100	2.99085
		-0.03	-0.00118			2.00	19.00	BLUE:	74.9625	75.2125	75.4625	75.7125	75.9625
						0.079	0.748		2.95128	2.96112	2.97096	2.98081	2.99065
								GREEN:	74.9725	75.2225	75.4725	75.7225	75.9725
									2.95167	2.96152	2.97136	2.98120	2.99104
						Cir Clip		REMARKS:					
						NONE		Measure for CYL 5.00 mm from Bottom of Skirt.					
						C17		Clearance: 0.197 inch					
								SURFACE TREATMENT					
								NONE					
								NONE					
PAGE #		161						75.000 Tolerance is +/- (mm inch) : 0.0025 0.00010					
11-798	4	75.000	45.60	27.00	2.70	1.00	56.00	YELLOW:	74.9775	75.2275	75.4775	75.7275	75.9775
		2.953	1.795	1.063	0.106	0.039	2.205		2.95187	2.96171	2.97156	2.98140	2.99124
PISTON RING #		Total Clearance				1.20		RED:	74.9675	75.2175	75.4675	75.7175	75.9675
SWH30440		mm	inch			0.047			2.95148	2.96132	2.97116	2.98100	2.99085
		-0.03	-0.00118			2.00	19.00	BLUE:	74.9625	75.2125	75.4625	75.7125	75.9625
						0.079	0.748		2.95128	2.96112	2.97096	2.98081	2.99065
								GREEN:	74.9725	75.2225	75.4725	75.7225	75.9725
									2.95167	2.96152	2.97136	2.98120	2.99104
						Cir Clip		REMARKS:					
						NONE		Measure for CYL 5.00 mm from Bottom of Skirt.					
						C17		Clearance: 0.197 inch					
								SURFACE TREATMENT					
								NONE					
								NONE					
PAGE #		161						75.000 Tolerance is +/- (mm inch) : 0.0025 0.00010					
11-799	4	84.000	59.60	29.60	0.70	1.20	56.50	YELLOW:	83.9775	84.2275	84.4775	84.7275	84.9775
		3.307	2.346	1.165	0.028	0.047	2.224		3.30620	3.31604	3.32589	3.33573	3.34557
PISTON RING #		Total Clearance				1.20		RED:	83.9675	84.2175	84.4675	84.7175	84.9675
SWH30437		mm	inch			0.047			3.30581	3.31565	3.32549	3.33533	3.34518
		-0.03	-0.00118			2.80	21.00	BLUE:	83.9625	84.2125	84.4625	84.7125	84.9625
						0.110	0.827		3.30561	3.31545	3.32530	3.33514	3.34498
								GREEN:	83.9725	84.2225	84.4725	84.7225	84.9725
									3.30600	3.31585	3.32569	3.33553	3.34537
						Cir Clip		REMARKS:					
						NONE		Measure for CYL 15.00 mm from Bottom of Skirt.					
						C17		Clearance: 0.591 inch					
								SURFACE TREATMENT					
								NONE					
								NONE					
PAGE #		161						84.000 Tolerance is +/- (mm inch) : 0.0025 0.00010					

PISTON BUYER'S GUIDE

Cylinder Wall Clearance is showing Total Diameter, not one side.
EX: -0.04 (Total) / 2 = -0.02 (one side)



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NOA PISTON SPECIFICATION AND PISTON RING # FOR KIT							PISTON DIAMETER MEASURING POINT EXPLANATION						
NOA PISTON PART #	C Y L	PISTON INFORMATION				1ST	PIN	COLOR CODE	-0 (STD)	-1 (0.25)	-2 (0.50)	-3 (0.75)	-4 (1.00)
		BORE	LENGTH	COMP.	DIST.	2ND	LENGTH		mm	mm	mm	mm	mm
		mm inch	mm inch	mm inch	mm inch	OIL1 OIL2	DIA. mm		inch	inch	inch	inch	inch
11-800	6	PAGE #	173	229				92.970	Tolerance is +/- (mm inch) : 0.01 0.00039				
		BORE	93.000 3.661	58.00 2.283	30.40 1.197	0.50 0.020	1.20 0.047	58.00 2.283					
PISTON RING #		Total Clearance											
SWN30115		mm	inch									100 937	93.9600 3.69921
		-0.03	-0.00118									300 016	93.9800 3.70000
		11-800 Piston is <u>11 711</u> now.											
T03		NONE		"Bore" to Diameter, add wall clearance of +0.04mm (0.00157") to maximum Bore Size.									
11-801	8	PAGE #	197	265				93.980	Tolerance is +/- (mm inch) : 0.01 0.00039				
		BORE	94.000 3.701	60.30 2.374	33.90 1.335	6.80 0.268	1.50 0.059	62.00 2.441					
PISTON RING #		Total Clearance											
SWT10203		mm	inch										
		-0.03	-0.00118										
		Cir Clip		REMARKS: Measure for CYL 10.50 mm from Bottom of Skirt. Clearance: 0.413 inch									
				SURFACE TREATMENT: Anodized Head									
T03		Moly Skirt		CAUTION!!: Bore diameter is measured before skirt Surface Treatment. To Determine "Bore" to Diameter, add wall clearance of +0.04mm (0.00157") to maximum Bore Size.									
11-802	4	PAGE #	255					81.980	Tolerance is +/- (mm inch) : 0.01 0.00039				
		BORE	82.000 3.228	57.70 2.272	31.30 1.232	1.40 0.055	1.20 0.047	56.58 2.228					
PISTON RING #		Total Clearance											
SWT10196		mm	inch										
		-0.03	-0.00118										
		Cir Clip		REMARKS: Measure for CYL 25.00 mm from Bottom of Skirt. Clearance: 0.984 inch									
				SURFACE TREATMENT: NONE									
T03		NONE											
11-804	4	PAGE #	21	215				86.480	Tolerance is +/- (mm inch) : 0.0045 0.00018				
		BORE	86.500 3.406	53.50 2.106	30.50 1.201		1.20 0.047	62.00 2.441					
PISTON RING #		Total Clearance											
SWM31116		mm	inch										
		-0.03	-0.00118										
		Cir Clip		REMARKS: Measure for CYL 10.00 mm from Bottom of Skirt. Clearance: 0.394 inch									
				SURFACE TREATMENT: NONE									
J05		NONE											

PISTON BUYER'S GUIDE

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EX: -0.04 (Total) / 2 = -0.02 (one side)



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NOA PISTON SPECIFICATION AND PISTON RING # FOR KIT								PISTON DIAMETER MEASURING POINT EXPLANATION					
NOA PISTON PART #	C Y L	PISTON INFORMATION				1ST	PIN	COLOR CODE	-0 (STD)	-1 (0.25)	-2 (0.50)	-3 (0.75)	-4 (1.00)
		BORE	LENGTH	COMP.	DIST.	2ND	LENGTH		mm	mm	mm	mm	mm
		mm inch	mm inch	mm inch	mm inch	OIL1 OIL2	DIA. mm		inch	inch	inch	inch	inch
11-806	6	93.000	53.90	31.80		1.50	59.00	92.960	Tolerance is + / - (mm inch) : 0.0045 0.00018				
		3.661	2.122	1.252		0.059	2.323		YELLOW:	92.9705	93.2205	93.4705	93.7205
PISTON RING #		Total Clearance				1.50		WHITE:	92.9625	93.2125	93.4625	93.7125	93.9625
SWC10002		mm	inch			0.059		BLUE:	3.65994	3.66978	3.67963	3.68947	3.69931
		-0.04	-0.00157			3.00	24.022	GREEN:	92.9495	93.1995	93.4495	93.6995	93.9495
						0.118	0.946		3.65943	3.66927	3.67911	3.68896	3.69880
		Cir Clip						REMARKS:	Measure for CYL 13.00 mm from Bottom of Skirt.				
		NONE						Clearance:	0.512 inch				
		J05						CAUTION!!!: Bore diameter is measured before skirt Surface Treatment. To Determine "Bore" to Diameter, add wall clearance of +0.04mm (0.00157") to maximum Bore Size.					
PAGE #		43	219										
11-807	8	93.000	53.90	31.80		1.50	59.00	92.960	Tolerance is + / - (mm inch) : 0.0045 0.00018				
		3.661	2.122	1.252		0.059	2.323		YELLOW:	92.9705	93.2205	93.4705	93.7205
PISTON RING #		Total Clearance				1.50		WHITE:	92.9625	93.2125	93.4625	93.7125	93.9625
SWC10002 8CYL		mm	inch			0.059		BLUE:	3.65994	3.66978	3.67963	3.68947	3.69931
		-0.04	-0.00157			3.00	24.022	GREEN:	92.9495	93.1995	93.4495	93.6995	93.9495
						0.118	0.946		3.65943	3.66927	3.67911	3.68896	3.69880
		Cir Clip						REMARKS:	Measure for CYL 13.00 mm from Bottom of Skirt.				
		NONE						Clearance:	0.512 inch				
		J05						CAUTION!!!: Bore diameter is measured before skirt Surface Treatment. To Determine "Bore" to Diameter, add wall clearance of +0.04mm (0.00157") to maximum Bore Size.					
PAGE #		43	219										
11-807D	8	93.000	55.40	33.50	+	1.50	59.00	92.960	Tolerance is + / - (mm inch) : 0.0045 0.00018				
		3.661	2.181	1.319		0.059	2.323		YELLOW:	92.9705	93.2205	93.4705	93.7205
PISTON RING #		Total Clearance				1.50		WHITE:	92.9625	93.2125	93.4625	93.7125	93.9625
SWC10002 8CYL		mm	inch			0.059		BLUE:	3.65994	3.66978	3.67963	3.68947	3.69931
		-0.04	-0.00157			3.00	24.022	GREEN:	92.9495	93.1995	93.4495	93.6995	93.9495
						0.118	0.946		3.65943	3.66927	3.67911	3.68896	3.69880
		Cir Clip						REMARKS:	Measure for CYL 10.00 mm from Bottom of Skirt.				
		NONE						Clearance:	0.394 inch				
		J05						CAUTION!!!: Bore diameter is measured before skirt Surface Treatment. To Determine "Bore" to Diameter, add wall clearance of +0.04mm (0.00157") to maximum Bore Size.					
PAGE #		43	219										
11-808	6	83.500	64.00	31.90	+	1.20	64.00	83.500	Tolerance is + / - (mm inch) : 0.0025 0.00010				
		3.287	2.520	1.256		0.047	2.520		YELLOW:	83.4775	83.7275	83.9775	84.2275
PISTON RING #		Total Clearance				1.50		RED:	83.4675	83.7175	83.9675	84.2175	84.4675
SWC10009		mm	inch			0.059		BLUE:	3.28612	3.29596	3.30581	3.31565	3.32549
		-0.03	-0.00118			3.00	22.00	GREEN:	83.4625	83.7125	83.9625	84.2125	84.4625
						0.118	0.866		3.28593	3.29577	3.30561	3.31545	3.32530
		Cir Clip						REMARKS:	Measure for CYL 9.00 mm from Bottom of Skirt.				
		NONE						Clearance:	0.354 inch				
		C17						CAUTION!!!: Bore diameter is measured before skirt Surface Treatment. To Determine "Bore" to Diameter, add wall clearance of +0.04mm (0.00157") to maximum Bore Size.					
PAGE #		25											

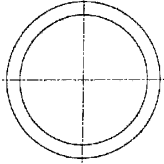
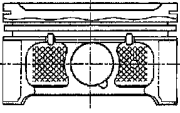

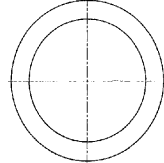
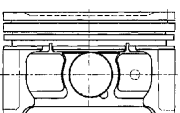

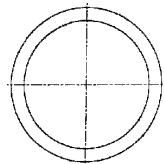
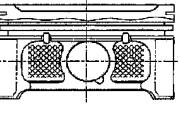

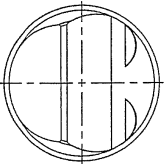
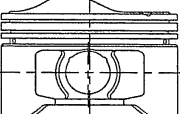

PISTON BUYER'S GUIDE

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EX: -0.04 (Total) / 2 = -0.02 (one side)



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NOA PISTON SPECIFICATION AND PISTON RING # FOR KIT								PISTON DIAMETER MEASURING POINT EXPLANATION								
NOA PISTON PART #	C Y L	PISTON INFORMATION				1ST	PIN	COLOR CODE	-0 (STD)	-1 (0.25)	-2 (0.50)	-3 (0.75)	-4 (1.00)			
		BORE	LENGTH	COMP.	DIST.	2ND	LENGTH		mm	mm	mm	mm	mm			
		mm inch	mm inch	mm inch	mm inch	OIL1	DIA.		inch	inch	inch	inch	inch			
11-809	8	PAGE # 81		90.200	52.10	30.75	3.50	1.50	61.00	90.170 Tolerance is +/- (mm inch) : 0.0045 0.00018						
				3.551	2.051	1.211	-	0.138	0.059	2.402	YELLOW:	90.1805	90.4305	90.6805	90.9305	91.1805
											3.55041	3.56026	3.57010	3.57994	3.58978	
PISTON RING #		Total Clearance						1.50								
		mm	inch					0.059								
		SWF30006		-0.04	-0.00157			3.00	22.000							
								0.118	0.866							
				Cir Clip				SURFACE TREATMENT		REMARKS:						
						NONE		NONE		Measure for CYL 6.00 mm from Bottom of Skirt.						
						J05		Moly Skirt		CAUTION!!!: Bore diameter is measured before skirt Surface Treatment. To Determine "Bore" to Diameter, add wall clearance of +0.04mm (0.00157") to maximum Bore Size.						
11-810	8	PAGE # 81		90.200	52.00	31.00	1.75	1.50	61.00	90.180 Tolerance is +/- (mm inch) : 0.0045 0.00018						
				3.551	2.047	1.220	-	0.069	0.059	2.402	YELLOW:	90.1905	90.4405	90.6905	90.9405	91.1905
											3.55081	3.56065	3.57049	3.58033	3.59018	
PISTON RING #		Total Clearance						1.50								
		mm	inch					0.059								
		SWF30006		-0.04	-0.00157			3.00	22.00							
								0.118	0.866							
				Cir Clip				SURFACE TREATMENT		REMARKS:						
						NONE		NONE		Measure for CYL 5.00 mm from Bottom of Skirt.						
						J05		Moly Skirt		CAUTION!!!: Bore diameter is measured before skirt Surface Treatment. To Determine "Bore" to Diameter, add wall clearance of +0.04mm (0.00157") to maximum Bore Size.						
11-811	10	PAGE # 87		90.200	52.10	30.75	3.50	1.50	61.00	90.170 Tolerance is +/- (mm inch) : 0.0045 0.00018						
				3.551	2.051	1.211	-	0.138	0.059	2.402	YELLOW:	90.1805	90.4305	90.6805	90.9305	91.1805
											3.55041	3.56026	3.57010	3.57994	3.58978	
PISTON RING #		Total Clearance						1.50								
		mm	inch					0.059								
		SWF30013 10CYL		-0.04	-0.00157			3.00	22.00							
								0.118	0.866							
				Cir Clip				SURFACE TREATMENT		REMARKS:						
						NONE		NONE		Measure for CYL 6.00 mm from Bottom of Skirt.						
						J05		Moly Skirt		CAUTION!!!: Bore diameter is measured before skirt Surface Treatment. To Determine "Bore" to Diameter, add wall clearance of +0.04mm (0.00157") to maximum Bore Size.						
11-814	4	PAGE # 23		87.500	66.30	30.20	11.50	1.50	72.60	87.470 Tolerance is +/- (mm inch) : 0.0035 0.00014						
				3.445	2.610	1.189	+	0.453	0.059	2.858	YELLOW:	87.4630	87.7130	87.9630	88.2130	88.4630
											3.44343	3.45327	3.46311	3.47295	3.48280	
PISTON RING #		Total Clearance						1.50								
		mm	inch					0.059								
		SWC10007		-0.03	-0.00118			3.00	22.00							
								0.118	0.866							
				Cir Clip				SURFACE TREATMENT		REMARKS:						
						NONE		NONE		Measure for CYL 5.00 mm from Bottom of Skirt.						
						T01		NONE		CAUTION!!!: Bore diameter is measured before skirt Surface Treatment. To Determine "Bore" to Diameter, add wall clearance of +0.04mm (0.00157") to maximum Bore Size.						

PISTON BUYER'S GUIDE

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NOA PISTON SPECIFICATION AND PISTON RING # FOR KIT							PISTON DIAMETER MEASURING POINT EXPLANATION						
NOA PISTON PART #	C Y L	PISTON INFORMATION				1ST	PIN	COLOR CODE	-0 (STD)	-1 (0.25)	-2 (0.50)	-3 (0.75)	-4 (1.00)
		BORE	LENGTH	COMP.	DIST.	2ND	LENGTH		mm	mm	mm	mm	mm
		mm inch	mm inch	mm inch	mm inch	OIL1 OIL2	DIA. mm		inch	inch	inch	inch	inch
11-817	6	91.100	64.20	30.20	-	1.30	64.00	YELLOW:	91.0775	91.3275	91.5775	91.8275	92.0775
		3.587	2.528	1.189		0.051	0.047		2.520	3.58573	3.59557	3.60541	3.61526
PISTON RING #		Total Clearance				1.50		RED:	91.0675	91.3175	91.5675	91.8175	92.0675
		mm		inch		0.059			3.58533	3.59518	3.60502	3.61486	3.62470
SWM31078		-0.03		-0.00118		3.00	22.00	BLUE:	91.0625	91.3125	91.5625	91.8125	92.0625
						0.118	0.866		3.58514	3.59498	3.60482	3.61467	3.62451
				Cir Clip				GREEN:	91.0725	91.3225	91.5725	91.8225	92.0725
				NONE		SURFACE TREATMENT		REMARKS:					
				C17		NONE		Measure for CYL Clearance: 15.00 mm from Bottom of Skirt.					
								0.591 inch					
PAGE #		33		217				91.100 Tolerance is +/- (mm inch) : 0.0025 0.00010					
11-820	8	90.200	56.20	30.86	-	3.86	62.00	YELLOW:	90.1905	90.4405	90.6905	90.9405	91.1905
		3.551	2.213	1.215		0.152	0.059		2.441	3.55081	3.56065	3.57049	3.58033
PISTON RING #		Total Clearance				1.50		WHITE:	90.1825	90.4325	90.6825	90.9325	91.1825
		mm		inch		0.059			3.55049	3.56033	3.57018	3.58002	3.58986
SWF30006		-0.04		-0.00157		3.00	22.00	BLUE:	90.1695	90.4195	90.6695	90.9195	91.1695
						0.118	0.866		3.54998	3.55982	3.56967	3.57951	3.58935
				Cir Clip				GREEN:	90.1775	90.4275	90.6775	90.9275	91.1775
				NONE		SURFACE TREATMENT		REMARKS:					
				J05		Moly Skirt		Measure for CYL Clearance: 11.00 mm from Bottom of Skirt.					
								0.433 inch					
PAGE #		73		75				90.180 Tolerance is +/- (mm inch) : 0.0045 0.00018					
11-821	8	99.310	86.40	43.80		1.98	76.00	YELLOW:	99.3005	99.5505	99.8005	100.0505	100.3005
		3.910	3.402	1.724		0.078	0.078		2.992	3.90947	3.91931	3.92915	3.93900
PISTON RING #		Total Clearance				1.98		WHITE:	99.2925	99.5425	99.7925	100.0425	100.2925
		mm		inch		0.078			3.90915	3.91900	3.92884	3.93868	3.94852
SWC10019		-0.04		-0.00157		4.76	22.00	BLUE:	99.2795	99.5295	99.7795	100.0295	100.2795
						0.187	0.866		3.90864	3.91848	3.92833	3.93817	3.94801
				Cir Clip				GREEN:	99.2875	99.5375	99.7875	100.0375	100.2875
				NONE		SURFACE TREATMENT		REMARKS:					
				J05		NONE		Measure for CYL Clearance: 14.00 mm from Bottom of Skirt.					
								0.551 inch					
PAGE #		45						99.290 Tolerance is +/- (mm inch) : 0.0045 0.00018					
11-822	4	84.860	47.10	37.10	+	4.70	63.30	YELLOW:	84.8205	85.0705	85.3205	85.5705	85.8205
		3.341	1.854	1.461		0.185	0.059		2.492	3.33939	3.34923	3.35907	3.36892
PISTON RING #		Total Clearance				1.50		WHITE:	84.8125	85.0625	85.3125	85.5625	85.8125
		mm		inch		0.059			3.33907	3.34892	3.35876	3.36860	3.37844
SWF30005		-0.04		-0.00157		3.00	20.63	BLUE:	84.7995	85.0495	85.2995	85.5495	85.7995
						0.118	0.812		3.33856	3.34841	3.35825	3.36809	3.37793
				Cir Clip				GREEN:	84.8075	85.0575	85.3075	85.5575	85.8075
				NONE		SURFACE TREATMENT		REMARKS:					
				J05		NONE		Measure for CYL Clearance: 7.00 mm from Bottom of Skirt.					
								0.276 inch					
PAGE #		59						84.810 Tolerance is +/- (mm inch) : 0.0045 0.00018					

PISTON BUYER'S GUIDE

Cylinder Wall Clearance is showing Total Diameter, not one side.
EX: -0.04 (Total) / 2 = -0.02 (one side)



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NOA PISTON SPECIFICATION AND PISTON RING # FOR KIT							PISTON DIAMETER MEASURING POINT EXPLANATION						
NOA PISTON PART #	C Y L	PISTON INFORMATION				1ST	PIN	COLOR CODE	-0 (STD)	-1 (0.25)	-2 (0.50)	-3 (0.75)	-4 (1.00)
		BORE	LENGTH	COMP.	DIST.	2ND	LENGTH		mm	mm	mm	mm	mm
		mm inch	mm inch	mm inch	mm inch	OIL1 OIL2	DIA. mm		inch	inch	inch	inch	inch
11-823	8	101.600	60.60	33.80	1.10	1.50	70.00	YELLOW:	101.5705	101.8205	102.0705	102.3205	102.5705
		4.000	2.386	1.331	0.043	0.059	2.756		3.99884	4.00868	4.01852	4.02837	4.03821
PISTON RING #		Total Clearance				1.50		WHITE:	101.5625	101.8125	102.0625	102.3125	102.5625
		mm	inch			0.059		3.99852	4.00837	4.01821	4.02805	4.03789	
SW110197		-0.04	-0.00157			3.00	24.00	BLUE:	101.5495	101.7995	102.0495	102.2995	102.5495
						0.118	0.945	3.99801	4.00785	4.01770	4.02754	4.03738	
				Cir Clip				GREEN:	101.5575	101.8075	102.0575	102.3075	102.5575
				NONE				3.99833	4.00817	4.01801	4.02785	4.03770	
				J05				REMARKS: Measure for CYL 21.00 mm from Bottom of Skirt. Clearance: 0.827 inch					
								CAUTION!!!: Bore diameter is measured before skirt Surface Treatment. To Determine "Bore" to Diameter, add wall clearance of +0.04mm (0.00157") to maximum Bore Size.					
PAGE # 141													
11-825	6	89.000	66.30	38.50		1.50	70.00	YELLOW:	88.9705	89.2205	89.4705	89.7205	89.9705
		3.504	2.610	1.516		0.059	2.756		3.50278	3.51262	3.52246	3.53230	3.54215
PISTON RING #		Total Clearance				1.50		WHITE:	88.9625	89.2125	89.4625	89.7125	89.9625
		mm	inch			0.059		3.50246	3.51230	3.52215	3.53199	3.54183	
SW110155 SWT20075		-0.04	-0.00157			4.00	23.17	BLUE:	88.9495	89.1995	89.4495	89.6995	89.9495
						0.157	0.912	3.50195	3.51179	3.52163	3.53148	3.54132	
				Cir Clip				GREEN:	88.9575	89.2075	89.4575	89.7075	89.9575
				NONE				3.50226	3.51211	3.52195	3.53179	3.54163	
				J05				REMARKS: Measure for CYL 8.00 mm from Bottom of Skirt. Clearance: 0.315 inch					
								CAUTION!!!: Bore diameter is measured before skirt Surface Treatment. To Determine "Bore" to Diameter, add wall clearance of +0.04mm (0.00157") to maximum Bore Size.					
PAGE # 67													
11-826	6	96.800	59.10	31.80	3.60	1.50	63.30	YELLOW:	96.8075	97.0575	97.3075	97.5575	97.8075
		3.811	2.327	1.252	0.142	0.059	2.492		3.81132	3.82116	3.83100	3.84085	3.85069
PISTON RING #		Total Clearance				1.50		RED:	96.7975	97.0475	97.2975	97.5475	97.7975
		mm	inch			0.059		3.81093	3.82077	3.83061	3.84045	3.85030	
SWF30004		-0.04	-0.00157			3.00	23.00	BLUE:	96.7925	97.0425	97.2925	97.5425	97.7925
						0.118	0.906	3.81073	3.82057	3.83041	3.84026	3.85010	
				Cir Clip				GREEN:	96.8025	97.0525	97.3025	97.5525	97.8025
				NONE				3.81112	3.82096	3.83081	3.84065	3.85049	
				C17				REMARKS: Measure for CYL 11.50 mm from Bottom of Skirt. Clearance: 0.453 inch					
								CAUTION!!!: Bore diameter is measured before skirt Surface Treatment. To Determine "Bore" to Diameter, add wall clearance of +0.04mm (0.00157") to maximum Bore Size.					
PAGE # 73													
11-827	6	101.600	66.00	39.40	2.60	1.50	69.70	YELLOW:	101.5905	101.8405	102.0905	102.3405	102.5905
		4.000	2.598	1.551	0.102	0.059	2.744		3.99963	4.00947	4.01931	4.02915	4.03900
PISTON RING #		Total Clearance				1.50		WHITE:	101.5825	101.8325	102.0825	102.3325	102.5825
		mm	inch			0.059		3.99931	4.00915	4.01900	4.02884	4.03868	
SW110196		-0.04	-0.00157			3.00	23.56	BLUE:	101.5695	101.8195	102.0695	102.3195	102.5695
						0.118	0.928	3.99880	4.00864	4.01848	4.02833	4.03817	
				Cir Clip				GREEN:	101.5775	101.8275	102.0775	102.3275	102.5775
				NONE				3.99911	4.00896	4.01880	4.02864	4.03848	
				J05				REMARKS: Measure for CYL 12.00 mm from Bottom of Skirt. Clearance: 0.472 inch					
								CAUTION!!!: Bore diameter is measured before skirt Surface Treatment. To Determine "Bore" to Diameter, add wall clearance of +0.04mm (0.00157") to maximum Bore Size.					
PAGE # 121 123													

PISTON BUYER'S GUIDE

Cylinder Wall Clearance is showing Total Diameter, not one side.
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NOA PISTON SPECIFICATION AND PISTON RING # FOR KIT								PISTON DIAMETER MEASURING POINT EXPLANATION						
NOA PISTON PART #	C Y L	PISTON INFORMATION					1ST	PIN	COLOR CODE	-0 (STD)	-1 (0.25)	-2 (0.50)	-3 (0.75)	-4 (1.00)
		BORE	LENGTH	COMP.	+	DIST.	2ND	LENGTH		mm	mm	mm	mm	mm
		mm inch	mm inch	mm inch	-	mm inch	OIL1 OIL2	DIA. mm		inch	inch	inch	inch	inch
11-828	8	101.600	66.00	39.40		2.60	1.50	69.70	YELLOW:	101.5905	101.8405	102.0905	102.3405	102.5905
		4.000	2.598	1.551	-	0.102	0.059	2.744		3.99963	4.00947	4.01931	4.02915	4.03900
PISTON RING #		Total Clearance								101.5825	101.8325	102.0825	102.3325	102.5825
		mm		inch						3.99931	4.00915	4.01900	4.02884	4.03868
SWI10197		-0.04		-0.00157						101.5695	101.8195	102.0695	102.3195	102.5695
										3.99880	4.00864	4.01848	4.02833	4.03817
										101.5775	101.8275	102.0775	102.3275	102.5775
										3.99911	4.00896	4.01880	4.02864	4.03848
						Cir Clip				REMARKS:				
						NONE		SURFACE TREATMENT		Measure for CYL 12.00 mm from Bottom of Skirt.				
						NONE		NONE		Clearance: 0.472 inch				
						J05		NONE						
PAGE #		141								101.580 Tolerance is +/- (mm inch) : 0.0045 0.00018				
11-829	8	96.000	64.80	33.70		1.70	1.50	72.00	YELLOW:	95.9775	96.2275	96.4775	96.7275	96.9775
		3.780	2.551	1.327	-	0.067	0.059	2.835		3.77864	3.78848	3.79833	3.80817	3.81801
PISTON RING #		Total Clearance								95.9675	96.2175	96.4675	96.7175	96.9675
		mm		inch						3.77825	3.78809	3.79793	3.80778	3.81762
SWG10005		-0.04		-0.00157						95.9625	96.2125	96.4625	96.7125	96.9625
										3.77805	3.78789	3.79774	3.80758	3.81742
										95.9725	96.2225	96.4725	96.7225	96.9725
										3.77844	3.78829	3.79813	3.80797	3.81781
						Cir Clip				REMARKS:				
						NONE		SURFACE TREATMENT		Measure for CYL 16.00 mm from Bottom of Skirt.				
						NONE		NONE		Clearance: 0.630 inch				
						C17		Moly Skirt		CAUTION!!!: Bore diameter is measured before skirt Surface Treatment. To Determine "Bore" to Diameter, add wall clearance of +0.04mm (0.00157") to maximum Bore Size.				
PAGE #		133 181								96.000 Tolerance is +/- (mm inch) : 0.0025 0.00010				
11-830	8	103.000	91.80	53.50		3.70	3.00	70.00	YELLOW:	102.9585	103.2085	103.4585	103.7085	103.9585
		4.055	3.614	2.106	-	0.146	0.118	2.756		4.05348	4.06333	4.07317	4.08301	4.09285
PISTON RING #		Total Clearance								102.9485	103.1985	103.4485	103.6985	103.9485
		mm		inch						4.05309	4.06293	4.07278	4.08262	4.09246
SDG10024		-0.1016		-0.00400						102.9435	103.1935	103.4435	103.6935	103.9435
										4.05289	4.06274	4.07258	4.08242	4.09226
										102.9535	103.2035	103.4535	103.7035	103.9535
										4.05329	4.06313	4.07297	4.08281	4.09266
						Cir Clip				REMARKS:				
						NONE		SURFACE TREATMENT		Measure for CYL 17.00 mm from Bottom of Skirt.				
						NONE		Anodized Head		Clearance: 0.669 inch				
						C17		NONE		CAUTION!!!: Bore diameter is measured before skirt Surface Treatment. To Determine "Bore" to Diameter, add wall clearance of +0.04mm (0.00157") to maximum Bore Size.				
PAGE #		145 147								102.981 Tolerance is +/- (mm inch) : 0.0025 0.00010				
11-832	6	86.000	52.20	30.00		0.70	1.20	54.00	RED:	85.9600	86.2100	86.4600	86.7100	86.9600
		3.386	2.055	1.181	+	0.028	0.047	2.126		3.38425	3.39409	3.40394	3.41378	3.42362
PISTON RING #		Total Clearance								85.9800	86.2300	86.4800	86.7300	86.9800
		mm		inch						3.38504	3.39488	3.40472	3.41457	3.42441
SWH30432		-0.03		-0.00118						REMARKS:				
										Measure for CYL 7.00 mm from Bottom of Skirt.				
										Clearance: 0.276 inch				
						Cir Clip				CAUTION!!!: Bore diameter is measured before skirt Surface Treatment. To Determine "Bore" to Diameter, add wall clearance of +0.04mm (0.00157") to maximum Bore Size.				
						NONE		SURFACE TREATMENT						
						NONE		NONE						
						T03		Moly Skirt						
PAGE #		165								85.970 Tolerance is +/- (mm inch) : 0.01 0.00039				

PISTON BUYER'S GUIDE

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EX: -0.04 (Total) / 2 = -0.02 (one side)



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NOA PISTON SPECIFICATION AND PISTON RING # FOR KIT								PISTON DIAMETER MEASURING POINT EXPLANATION						
NOA PISTON PART #	C Y L	PISTON INFORMATION				1ST	PIN	COLOR CODE	-0 (STD)	-1 (0.25)	-2 (0.50)	-3 (0.75)	-4 (1.00)	
		BORE	LENGTH	COMP.	DIST.	2ND	LENGTH		mm	mm	mm	mm	mm	
		mm inch	mm inch	mm inch	mm inch	OIL1 OIL2	DIA. mm		inch	inch	inch	inch	inch	
11-833	4	87.000	53.60	29.60	-	2.60	1.20	86.970						
		3.425	2.110	1.165		0.102	0.047						52.00	2.047
PISTON RING #		Total Clearance				1.20		RED:	86.9600	87.2100	87.4600	87.7100	87.9600	
SWH30466		mm	inch			0.047			3.42362	3.43346	3.44331	3.45315	3.46299	
		-0.03	-0.00118			2.00	21.97	GREEN:	86.9800	87.2300	87.4800	87.7300	87.9800	
						0.079	0.865		3.42441	3.43425	3.44409	3.45394	3.46378	
				Cir Clip		SURFACE TREATMENT		REMARKS:						
						NONE		Measure for CYL 11.00 mm from Bottom of Skirt.						
				T03		Moly Skirt		CAUTION!!: Bore diameter is measured before skirt Surface Treatment. To Determine "Bore" to Diameter, add wall clearance of +0.04mm (0.00157") to maximum Bore Size.						
PAGE #		163				86.970	Tolerance is +/- (mm inch) :		0.01	0.00039				
11-834	4	87.000	56.60	29.50	+	3.10	1.20	86.970						
		3.425	2.228	1.161		0.122	0.047						52.00	2.047
PISTON RING #		Total Clearance				1.20		RED:	86.9600	87.2100	87.4600	87.7100	87.9600	
SWH30466		mm	inch			0.047			3.42362	3.43346	3.44331	3.45315	3.46299	
		-0.03	-0.00118			2.00	21.97	GREEN:	86.9800	87.2300	87.4800	87.7300	87.9800	
						0.079	0.865		3.42441	3.43425	3.44409	3.45394	3.46378	
				Cir Clip		SURFACE TREATMENT		REMARKS:						
						NONE		Measure for CYL 11.00 mm from Bottom of Skirt.						
				T03		Moly Skirt		CAUTION!!: Bore diameter is measured before skirt Surface Treatment. To Determine "Bore" to Diameter, add wall clearance of +0.04mm (0.00157") to maximum Bore Size.						
PAGE #		163				86.970	Tolerance is +/- (mm inch) :		0.01	0.00039				
11-835	6	89.000	51.50	30.00	-	2.40	1.20	88.970						
		3.504	2.028	1.181		0.094	0.047						54.00	2.126
PISTON RING #		Total Clearance				1.20		RED:	88.9600	89.2100	89.4600	89.7100	89.9600	
SWH30438		mm	inch			0.047			3.50236	3.51220	3.52205	3.53189	3.54173	
		-0.03	-0.00118			2.80	21.97	GREEN:	88.9800	89.2300	89.4800	89.7300	89.9800	
						0.110	0.865		3.50315	3.51299	3.52283	3.53268	3.54252	
				Cir Clip		SURFACE TREATMENT		REMARKS:						
						NONE		Measure for CYL 7.00 mm from Bottom of Skirt.						
				T03		Moly Skirt		CAUTION!!: Bore diameter is measured before skirt Surface Treatment. To Determine "Bore" to Diameter, add wall clearance of +0.04mm (0.00157") to maximum Bore Size.						
PAGE #		165				88.970	Tolerance is +/- (mm inch) :		0.01	0.00039				
11-836	6	89.000	51.50	30.00	-	1.20	1.20	88.970						
		3.504	2.028	1.181		0.047	0.047						54.00	2.126
PISTON RING #		Total Clearance				1.20		RED:	88.9600	89.2100	89.4600	89.7100	89.9600	
SWH30438		mm	inch			0.047			3.50236	3.51220	3.52205	3.53189	3.54173	
		-0.03	-0.00118			2.80	21.97	GREEN:	88.9800	89.2300	89.4800	89.7300	89.9800	
						0.110	0.865		3.50315	3.51299	3.52283	3.53268	3.54252	
				Cir Clip		SURFACE TREATMENT		REMARKS:						
						NONE		Measure for CYL 7.00 mm from Bottom of Skirt.						
				T03		Moly Skirt		CAUTION!!: Bore diameter is measured before skirt Surface Treatment. To Determine "Bore" to Diameter, add wall clearance of +0.04mm (0.00157") to maximum Bore Size.						
PAGE #		5		113		165		88.970		Tolerance is +/- (mm inch) :		0.01	0.00039	

PISTON BUYER'S GUIDE

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NOA PISTON SPECIFICATION AND PISTON RING # FOR KIT								PISTON DIAMETER MEASURING POINT EXPLANATION					
NOA PISTON PART #	C Y L	PISTON INFORMATION				1ST	PIN	COLOR CODE	-0 (STD)	-1 (0.25)	-2 (0.50)	-3 (0.75)	-4 (1.00)
		BORE	LENGTH	COMP.	DIST.	2ND	LENGTH		mm	mm	mm	mm	mm
		mm inch	mm inch	mm inch	mm inch	OIL1	DIA.		inch	inch	inch	inch	inch
11-837	4	75.500	53.70	30.70	0.20	1.50	47.50	YELLOW:	75.4775	75.7275	75.9775	76.2275	76.4775
		2.972	2.114	1.209	0.008	0.059	1.870		2.97156	2.98140	2.99124	3.00108	3.01093
PISTON RING #		Total Clearance				1.50		RED:	75.4675	75.7175	75.9675	76.2175	76.4675
SWG30017		mm	inch			0.059		2.97116	2.98100	2.99085	3.00069	3.01053	
		-0.03	-0.00118			3.00		BLUE:	75.4625	75.7125	75.9625	76.2125	76.4625
						0.118		2.97096	2.98081	2.99065	3.00049	3.01033	
		Cir Clip						GREEN:	75.4725	75.7225	75.9725	76.2225	76.4725
		NONE						2.97136	2.98120	2.99104	3.00089	3.01073	
		C17						REMARKS: Measure for CYL Clearance: 10.00 mm from Bottom of Skirt. 0.394 inch					
PAGE #		167											
11-838	4	82.000	57.80	31.00	0.30	1.20	59.00	YELLOW:	81.9775	82.2275	82.4775	82.7275	82.9775
		3.228	2.276	1.220	0.012	0.047	2.323		3.22746	3.23730	3.24715	3.25699	3.26683
PISTON RING #		Total Clearance				1.20		RED:	81.9675	82.2175	82.4675	82.7175	82.9675
SWG30028		mm	inch			0.047		3.22707	3.23691	3.24675	3.25659	3.26644	
		-0.03	-0.00118			2.50		BLUE:	81.9625	82.2125	82.4625	82.7125	82.9625
						0.098		3.22687	3.23671	3.24656	3.25640	3.26624	
		Cir Clip						GREEN:	81.9725	82.2225	82.4725	82.7225	82.9725
		NONE						3.22726	3.23711	3.24695	3.25679	3.26663	
		C17						REMARKS: Measure for CYL Clearance: 10.00 mm from Bottom of Skirt. 0.394 inch					
PAGE #		167	185										
11-840	4	86.000	53.70	27.60	1.20	1.20	61.00	YELLOW:	85.9775	86.2275	86.4775	86.7275	86.9775
		3.386	2.114	1.087	0.047	0.047	2.402		3.38494	3.39478	3.40463	3.41447	3.42431
PISTON RING #		Total Clearance				1.50		RED:	85.9675	86.2175	86.4675	86.7175	86.9675
SW110206		mm	inch			0.059		3.38455	3.39439	3.40423	3.41407	3.42392	
		-0.03	-0.00118			2.50		BLUE:	85.9625	86.2125	86.4625	86.7125	86.9625
						0.098		3.38435	3.39419	3.40404	3.41388	3.42372	
		Cir Clip						GREEN:	85.9725	86.2225	86.4725	86.7225	86.9725
		NONE						3.38474	3.39459	3.40443	3.41427	3.42411	
		C17						REMARKS: Measure for CYL Clearance: 15.00 mm from Bottom of Skirt. 0.591 inch					
PAGE #		177											
11-841	4	81.000	50.30	30.20	2.60	1.20	58.00	YELLOW:	80.9775	81.2275	81.4775	81.7275	81.9775
		3.189	1.980	1.189	0.102	0.047	2.283		3.18809	3.19793	3.20778	3.21762	3.22746
PISTON RING #		Total Clearance				1.20		RED:	80.9675	81.2175	81.4675	81.7175	81.9675
SWG30040		mm	inch			0.047		3.18770	3.19754	3.20738	3.21722	3.22707	
		-0.03	-0.00118			2.50		BLUE:	80.9625	81.2125	81.4625	81.7125	81.9625
						0.098		3.18750	3.19734	3.20719	3.21703	3.22687	
		Cir Clip						GREEN:	80.9725	81.2225	81.4725	81.7225	81.9725
		NONE						3.18789	3.19774	3.20758	3.21742	3.22726	
		C17						REMARKS: Measure for CYL Clearance: 10.00 mm from Bottom of Skirt. 0.394 inch					
PAGE #		185											

PISTON BUYER'S GUIDE

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NOA PISTON SPECIFICATION AND PISTON RING # FOR KIT							PISTON DIAMETER MEASURING POINT EXPLANATION						
NOA PISTON PART #	C Y L	PISTON INFORMATION				1ST	PIN	COLOR CODE	-0 (STD)	-1 (0.25)	-2 (0.50)	-3 (0.75)	-4 (1.00)
		BORE	LENGTH	COMP.	DIST.	2ND	LENGTH		mm	mm	mm	mm	mm
		mm inch	mm inch	mm inch	mm inch	OIL1 OIL2	DIA. mm		inch	inch	inch	inch	inch
11-842	4	83.000	64.00	30.70	+	3.00	1.50	83.000	0.0025	0.0010	Tolerance is +/- (mm inch) :		
		3.268	2.520	1.209		0.118	0.059				2.244	mm	inch
PISTON RING #		Total Clearance				1.50		REMARKS:		Measure for CYL			
SWT20066		mm inch				0.059		Measure for CYL		10.00 mm	from Bottom of Skirt.		
		-0.03 -0.00118				3.00	20.00	Clearance:		0.394 inch			
				Cir Clip		0.118	0.787	NONE					
				NONE		SURFACE TREATMENT		NONE					
				C17		NONE							
PAGE #		201											
11-843	4	87.500	51.00	28.50	-	4.00	1.20	87.470	0.0045	0.0018	Tolerance is +/- (mm inch) :		
		3.445	2.008	1.122		0.157	0.047				2.421	mm	inch
PISTON RING #		Total Clearance				1.20		REMARKS:		Measure for CYL			
SWT20090		mm inch				0.047		Measure for CYL		10.00 mm	from Bottom of Skirt.		
		-0.03 -0.00118				2.50	21.00	Clearance:		0.394 inch			
				Cir Clip		0.098	0.827	Anodized Head		CAUTION!!: Bore diameter is measured before skirt Surface Treatment. To Determine "Bore" to Diameter, add wall clearance of +0.04mm (0.00157") to maximum Bore Size.			
				NONE		SURFACE TREATMENT		Moly Skirt					
				J05		NONE							
PAGE #		203											
11-844	4	87.500	51.00	28.50	-	3.30	1.20	87.480	0.0045	0.0018	Tolerance is +/- (mm inch) :		
		3.445	2.008	1.122		0.130	0.047				2.421	mm	inch
PISTON RING #		Total Clearance				1.20		REMARKS:		Measure for CYL			
SWT20090		mm inch				0.047		Measure for CYL		10.00 mm	from Bottom of Skirt.		
		-0.03 -0.00118				2.50	21.00	Clearance:		0.394 inch			
				Cir Clip		0.098	0.827	NONE					
				NONE		SURFACE TREATMENT		NONE					
				J05		NONE							
PAGE #		203											
11-847	6	93.000	64.20	30.20	-	4.70	1.50	93.000	0.0025	0.0010	Tolerance is +/- (mm inch) :		
		3.661	2.528	1.189		0.185	0.059				2.520	mm	inch
PISTON RING #		Total Clearance				1.50		REMARKS:		Measure for CYL			
SWM31121		mm inch				0.059		Measure for CYL		10.00 mm	from Bottom of Skirt.		
		-0.03 -0.00118				3.00	22.00	Clearance:		0.394 inch			
				Cir Clip		0.118	0.866	Anodized Head		CAUTION!!: Bore diameter is measured before skirt Surface Treatment. To Determine "Bore" to Diameter, add wall clearance of +0.04mm (0.00157") to maximum Bore Size.			
				C17		NONE		NONE					
PAGE #		217											

PISTON BUYER'S GUIDE

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NOA PISTON SPECIFICATION AND PISTON RING # FOR KIT								PISTON DIAMETER MEASURING POINT EXPLANATION					
NOA PISTON PART #	C Y L	PISTON INFORMATION				1ST	PIN	COLOR CODE	-0 (STD)	-1 (0.25)	-2 (0.50)	-3 (0.75)	-4 (1.00)
		BORE	LENGTH	COMP.	DIST.	2ND	LENGTH		mm	mm	mm	mm	mm
		mm inch	mm inch	mm inch	mm inch	OIL1 OIL2	DIA. mm		inch	inch	inch	inch	inch
11-848	6	95.000	56.80	29.10	+	0.20	1.20	94.970	Tolerance is + / - (mm inch) :	0.01	0.00039		
		3.740	2.236	1.146		0.008	0.047						2.283
PISTON RING #		Total Clearance				1.20		RED:	94.9600	95.2100	95.4600	95.7100	95.9600
		mm inch				0.047			3.73858	3.74843	3.75827	3.76811	3.77795
SWM31148		-0.03 -0.00118				2.00	22.00	GREEN:	94.9800	95.2300	95.4800	95.7300	95.9800
						0.079	0.866		3.73937	3.74921	3.75906	3.76890	3.77874
				Cir Clip				REMARKS:					
						SURFACE TREATMENT		Measure for CYL 12.00 mm from Bottom of Skirt.					
						Anodized Head		Clearance: 0.472 inch					
				T03		Moly Skirt		CAUTION!!: Bore diameter is measured before skirt Surface Treatment. To Determine "Bore" to Diameter, add wall clearance of +0.04mm (0.00157") to maximum Bore Size.					
PAGE #		219						83.970 Tolerance is + / - (mm inch) : 0.01 0.00039					
11-849	4	84.000	52.80	31.20	+	3.20	1.20	83.970	Tolerance is + / - (mm inch) :	0.01	0.00039		
		3.307	2.079	1.228		0.126	0.047						2.087
PISTON RING #		Total Clearance				1.20		RED:	83.9600	84.2100	84.4600	84.7100	84.9600
		mm inch				0.047			3.30551	3.31535	3.32520	3.33504	3.34488
SWN30154		-0.03 -0.00118				2.00	19.99	GREEN:	83.9800	84.2300	84.4800	84.7300	84.9800
						0.079	0.787		3.30630	3.31614	3.32598	3.33583	3.34567
				Cir Clip				REMARKS:					
						SURFACE TREATMENT		Measure for CYL 5.50 mm from Bottom of Skirt.					
						Anodized Head		Clearance: 0.217 inch					
				J05		Moly Skirt		CAUTION!!: Bore diameter is measured before skirt Surface Treatment. To Determine "Bore" to Diameter, add wall clearance of +0.04mm (0.00157") to maximum Bore Size.					
PAGE #		223						86.000 Tolerance is + / - (mm inch) : 0.0025 0.00010					
11-850	4	86.000	60.80	40.80	-	5.80	1.20	86.000	Tolerance is + / - (mm inch) :	0.0025	0.00010	YELLOW:	
		3.386	2.394	1.606		0.228	0.047						2.205
PISTON RING #		Total Clearance				2.15	1.20	RED:	85.9775	86.2275	86.4775	86.7275	86.9775
		mm inch				0.085	0.047		3.38494	3.39478	3.40463	3.41447	3.42431
SWT10186		-0.03 -0.00118				2.00	22.00	BLUE:	85.9675	86.2175	86.4675	86.7175	86.9675
						0.079	0.866		3.38455	3.39439	3.40423	3.41407	3.42392
				Cir Clip				GREEN:	85.9625	86.2125	86.4625	86.7125	86.9625
						SURFACE TREATMENT		Measure for CYL 10.00 mm from Bottom of Skirt.					
						NONE		Clearance: 0.394 inch					
				C17		Moly Skirt		CAUTION!!: Bore diameter is measured before skirt Surface Treatment. To Determine "Bore" to Diameter, add wall clearance of +0.04mm (0.00157") to maximum Bore Size.					
PAGE #		257						85.970 Tolerance is + / - (mm inch) : 0.01 0.00039					
11-851	6	86.000	59.00	34.00	-	2.30	1.50	85.970	Tolerance is + / - (mm inch) :	0.01	0.00039	RED:	
		3.386	2.323	1.339		0.091	0.059						2.598
PISTON RING #		Total Clearance				1.50			85.9600	86.2100	86.4600	86.7100	86.9600
		mm inch				0.059			3.38425	3.39409	3.40394	3.41378	3.42362
SWT10134		-0.03 -0.00118				4.00	22.00	GREEN:	85.9800	86.2300	86.4800	86.7300	86.9800
						0.157	0.866		3.38504	3.39488	3.40472	3.41457	3.42441
				Cir Clip				REMARKS:					
						SURFACE TREATMENT		Measure for CYL 10.00 mm from Bottom of Skirt.					
						NONE		Clearance: 0.394 inch					
				T03		Moly Skirt		CAUTION!!: Bore diameter is measured before skirt Surface Treatment. To Determine "Bore" to Diameter, add wall clearance of +0.04mm (0.00157") to maximum Bore Size.					
PAGE #		193 263						85.970 Tolerance is + / - (mm inch) : 0.01 0.00039					

PISTON BUYER'S GUIDE

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NOA PISTON PART #	C Y L	PISTON INFORMATION				1ST	PIN	COLOR CODE	-0 (STD)	-1 (0.25)	-2 (0.50)	-3 (0.75)	-4 (1.00)
		BORE	LENGTH	COMP.	DIST.	2ND	LENGTH		mm	mm	mm	mm	mm
		mm inch	mm inch	mm inch	mm inch	OIL1 OIL2	DIA. mm		inch	inch	inch	inch	inch
11-852	4	89.000	54.80	32.00	+	4.00	1.20	57.00	88.980 Tolerance is +/- (mm inch) : 0.0045 0.00018				
		3.504	2.157	1.260					0.157	0.047	2.244	YELLOW:	88.9905
PISTON RING #		Total Clearance											
		mm	inch										
SWN30143		-0.03	-0.00118										
				Cir Clip									
						SURFACE TREATMENT							
						Anodized Head							
				J05		Moly Skirt							
PAGE #		227											
11-853	8	90.200	52.00	30.70			1.50	62.00	90.180 Tolerance is +/- (mm inch) : 0.0045 0.00018				
		3.551	2.047	1.209					0.059	2.441	YELLOW:	90.1905	90.4405
PISTON RING #		Total Clearance											
		mm	inch										
SWF30006		-0.04	-0.00157										
				Cir Clip									
						SURFACE TREATMENT							
						Anodized Head							
				J05		Moly Skirt							
PAGE #		83											
11-854	8	87.500	51.00	28.50	-	2.00	1.20	61.50	87.480 Tolerance is +/- (mm inch) : 0.0045 0.00018				
		3.445	2.008	1.122					0.079	0.047	2.421	YELLOW:	87.4905
PISTON RING #		Total Clearance											
		mm	inch										
SWT20090		-0.03	-0.00118										
				Cir Clip									
				NONE		SURFACE TREATMENT							
						Anodized Head							
				J05		Moly Skirt							
PAGE #		201											
11-855	6	99.300	86.40	43.80			1.98	76.00	99.290 Tolerance is +/- (mm inch) : 0.0045 0.00018				
		3.909	3.402	1.724					0.078	2.992	YELLOW:	99.3005	99.5505
PISTON RING #		Total Clearance											
		mm	inch										
SWC10018		-0.04	-0.00157										
				Cir Clip									
				NONE		SURFACE TREATMENT							
						NONE							
				J05		NONE							
PAGE #		41											

PISTON BUYER'S GUIDE

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NOA PISTON PART #	C Y L	PISTON INFORMATION				1ST	PIN	COLOR CODE	-0 (STD)	-1 (0.25)	-2 (0.50)	-3 (0.75)	-4 (1.00)
		BORE mm inch	LENGTH mm inch	COMP. mm inch	+ DIST. mm inch	2ND	LENGTH		mm	mm	mm	mm	mm
						OIL1	DIA.		inch	inch	inch	inch	inch
PAGE #								MID	MID	MID	MID	MID	
11-856	6	102.000	105.20	71.40	-	12.50	3.00K	102.000	-1 (0.25)	-2 (0.50)	-3 (0.75)	-4 (1.00)	
		4.016	4.142	2.811		0.492	0.118K						83.00
PISTON RING #		Total Clearance											
SDC10022		mm	inch										
		-0.1016	-0.00400										
				Cir Clip		SURFACE TREATMENT		REMARKS:					
						NONE		Measure for CYL					
				C17		NONE		Clearance: 20.00 mm from Bottom of Skirt.					
								0.787 inch					
11-857	8	95.000	85.80	52.04	-	16.40	2.25	95.000	-1 (0.25)	-2 (0.50)	-3 (0.75)	-4 (1.00)	
		3.740	3.378	2.049		0.646	0.089						65.00
PISTON RING #		Total Clearance											
SDF30002		mm	inch										
		-0.1016	-0.00400										
				Cir Clip		SURFACE TREATMENT		REMARKS:					
						NONE		Measure for CYL					
				C17		Moly Skirt		Clearance: 15.00 mm from Bottom of Skirt.					
								0.591 inch					
CAUTION!!!: Bore diameter is measured before skirt Surface Treatment. To Determine "Bore" to Diameter, add wall clearance of +0.04mm (0.00157") to maximum Bore Size.													
11-859	6	95.500	52.60	29.60		1.20	1.20	95.500	-1 (0.25)	-2 (0.50)	-3 (0.75)	-4 (1.00)	
		3.760	2.071	1.165		0.047	0.047						58.00
PISTON RING #		Total Clearance											
SWN30131		mm	inch										
		-0.03	-0.00118										
				Cir Clip		SURFACE TREATMENT		REMARKS:					
						Anodized Head		Measure for CYL					
				C17		Moly Skirt		Clearance: 10.00 mm from Bottom of Skirt.					
								0.394 inch					
CAUTION!!!: Bore diameter is measured before skirt Surface Treatment. To Determine "Bore" to Diameter, add wall clearance of +0.04mm (0.00157") to maximum Bore Size.													
11-860	6	95.500	53.90	29.50	+	0.80	1.20	95.500	-1 (0.25)	-2 (0.50)	-3 (0.75)	-4 (1.00)	
		3.760	2.122	1.161		0.047	0.047						58.00
PISTON RING #		Total Clearance											
SWN30131		mm	inch										
		-0.03	-0.00118										
				Cir Clip		SURFACE TREATMENT		REMARKS:					
						Anodized Head		Measure for CYL					
				J05		Moly Skirt		Clearance: 6.00 mm from Bottom of Skirt.					
								0.236 inch					
CAUTION!!!: Bore diameter is measured before skirt Surface Treatment. To Determine "Bore" to Diameter, add wall clearance of +0.04mm (0.00157") to maximum Bore Size.													

PISTON BUYER'S GUIDE

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NOA PISTON SPECIFICATION AND PISTON RING # FOR KIT							PISTON DIAMETER MEASURING POINT EXPLANATION						
NOA PISTON PART #	C Y L	PISTON INFORMATION				1ST	PIN	COLOR CODE	-0 (STD)	-1 (0.25)	-2 (0.50)	-3 (0.75)	-4 (1.00)
		BORE	LENGTH	COMP.	DIST.	2ND	LENGTH		mm	mm	mm	mm	mm
		mm inch	mm inch	mm inch	mm inch	OIL1	DIA.		inch	inch	inch	inch	inch
11-861	8	99.500	59.00	31.00	+	4.00	1.50	71.00	99.530 Tolerance is +/- (mm inch) : 0.0045 0.00018				
		3.917	2.323	1.220					0.059	2.795	YELLOW:	99.5405	99.7905
PISTON RING #		Total Clearance				1.50		WHITE:	99.5325	99.7825	100.0325	100.2825	100.5325
SWC10016		mm	inch			0.059		BLUE:	99.5195	99.7695	100.0195	100.2695	100.5195
		-0.04	-0.00157			3.00	24.00	GREEN:	99.5275	99.7775	100.0275	100.2775	100.5275
						0.118	0.945	REMARKS: Measure for CYL 5.00 mm from Bottom of Skirt. Clearance: 0.197 inch					
				Cir Clip				CAUTION!!!: Bore diameter is measured before skirt Surface Treatment. To Determine "Bore" to Diameter, add wall clearance of +0.04mm (0.00157") to maximum Bore Size.					
				NONE		SURFACE TREATMENT							
				J05		Moly Skirt							
PAGE #		47											
11-862	6	86.700	54.00	30.40	-	0.80	1.20	60.00	86.680 Tolerance is +/- (mm inch) : 0.0045 0.00018				
		3.413	2.126	1.197					0.047	2.362	YELLOW:	86.6905	86.9405
PISTON RING #		Total Clearance				1.20		WHITE:	86.6825	86.9325	87.1825	87.4325	87.6825
SWG30037		mm	inch			0.047		BLUE:	86.6270	86.9254	87.43238	87.44222	87.65207
		-0.03	-0.00118			2.50	21.01	GREEN:	86.6695	86.9195	87.1695	87.4195	87.6695
						0.098	0.827	REMARKS: Measure for CYL 6.00 mm from Bottom of Skirt. Clearance: 0.236 inch					
				Cir Clip				CAUTION!!!: Bore diameter is measured before skirt Surface Treatment. To Determine "Bore" to Diameter, add wall clearance of +0.04mm (0.00157") to maximum Bore Size.					
				NONE		SURFACE TREATMENT							
				J05		NONE							
PAGE #		169 187											
11-863	6	93.000	53.60	31.70	-	2.30	1.50	67.50	92.970 Tolerance is +/- (mm inch) : 0.01 0.00039				
		3.661	2.110	1.248					0.059	2.657	RED:	92.9600	93.2100
PISTON RING #		Total Clearance				1.50		GREEN:	92.96984	93.66969	93.67953	93.68937	93.69921
SWC10002		mm	inch			0.059		REMARKS: Measure for CYL 7.00 mm from Bottom of Skirt. Clearance: 0.276 inch					
		-0.04	-0.00157			3.00	22.89	CAUTION!!!: Bore diameter is measured before skirt Surface Treatment. To Determine "Bore" to Diameter, add wall clearance of +0.04mm (0.00157") to maximum Bore Size.					
						0.118	0.901						
				Cir Clip									
				NONE		SURFACE TREATMENT							
				T03		Moly Skirt							
PAGE #		35											
11-864	6	96.000	54.10	32.30	-	2.30	1.20	71.50	95.970 Tolerance is +/- (mm inch) : 0.01 0.00039				
		3.780	2.130	1.272					0.091	2.815	RED:	95.9600	96.2100
PISTON RING #		Total Clearance				1.50		GREEN:	95.97795	96.78780	96.79764	96.80748	96.81732
SWC10015		mm	inch			0.059		REMARKS: Measure for CYL 6.50 mm from Bottom of Skirt. Clearance: 0.256 inch					
		-0.04	-0.00157			3.00	22.89	CAUTION!!!: Bore diameter is measured before skirt Surface Treatment. To Determine "Bore" to Diameter, add wall clearance of +0.04mm (0.00157") to maximum Bore Size.					
						0.118	0.901						
				Cir Clip									
				NONE		SURFACE TREATMENT							
				T03		Moly Skirt							
PAGE #		41 271											

PISTON BUYER'S GUIDE

Cylinder Wall Clearance is showing Total Diameter, not one side.
EX: -0.04 (Total) / 2 = -0.02 (one side)



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NOA PISTON SPECIFICATION AND PISTON RING # FOR KIT							PISTON DIAMETER MEASURING POINT EXPLANATION						
NOA PISTON PART #	C Y L	PISTON INFORMATION				1ST	PIN	COLOR CODE	-0 (STD)	-1 (0.25)	-2 (0.50)	-3 (0.75)	-4 (1.00)
		BORE	LENGTH	COMP.	DIST.	2ND	LENGTH		mm	mm	mm	mm	mm
		mm inch	mm inch	mm inch	mm inch	OIL1 OIL2	DIA. mm		inch	inch	inch	inch	inch
11-865	4	84.800	54.20	29.40	+	0.80	1.50	84.780					
		3.339	2.134	1.157		0.031	0.059						
PISTON RING #		Total Clearance											
		mm	inch										
SWF30005		-0.03	-0.00118										
				Cir Clip									
				NONE		SURFACE TREATMENT							
						NONE							
				T03		Moly Skirt							
PAGE #		59											
REMARKS:								Measure for CYL		11.00 mm		from Bottom of Skirt.	
								Clearance:		0.433 inch			
CAUTION!!!												Bore diameter is measured before skirt Surface Treatment. To Determine "Bore" to Diameter, add wall clearance of +0.04mm (0.00157") to maximum Bore Size.	
11-866	4	86.000	54.00	29.50	+	2.50	1.20	85.970	YELLOW:				
		3.386	2.126	1.161		0.098	0.047						
PISTON RING #		Total Clearance											
		mm	inch										
SWH30454		-0.03	-0.00118										
				Cir Clip									
				T01		SURFACE TREATMENT							
						NONE							
				T01		Moly Skirt							
PAGE #		3 163											
REMARKS:								Measure for CYL		5.00 mm		from Bottom of Skirt.	
								Clearance:		0.197 inch			
CAUTION!!!												Bore diameter is measured before skirt Surface Treatment. To Determine "Bore" to Diameter, add wall clearance of +0.04mm (0.00157") to maximum Bore Size.	
11-867	6	92.000	54.50	31.20	-	0.60	1.20	97.170					
		3.622	2.146	1.228		0.024	0.047						
PISTON RING #		Total Clearance											
		mm	inch										
SWT10228		-0.03	-0.00118										
				Cir Clip									
				T03		SURFACE TREATMENT							
						Anodized Head							
				T03		Moly Skirt							
PAGE #		193 263											
REMARKS:								Measure for CYL		9.40 mm		from Bottom of Skirt.	
								Clearance:		0.370 inch			
CAUTION!!!												Bore diameter is measured before skirt Surface Treatment. To Determine "Bore" to Diameter, add wall clearance of +0.04mm (0.00157") to maximum Bore Size.	
11-868	6	89.000	52.60	30.00	+	1.00	1.20	88.970					
		3.504	2.071	1.181		0.039	0.047						
PISTON RING #		Total Clearance											
		mm	inch										
SWF30021		-0.03	-0.00118										
				Cir Clip									
				T03		SURFACE TREATMENT							
						NONE							
				T03		Moly Skirt							
PAGE #		205											
REMARKS:								Measure for CYL		7.00 mm		from Bottom of Skirt.	
								Clearance:		0.276 inch			
CAUTION!!!												Bore diameter is measured before skirt Surface Treatment. To Determine "Bore" to Diameter, add wall clearance of +0.04mm (0.00157") to maximum Bore Size.	

PISTON BUYER'S GUIDE

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NOA PISTON SPECIFICATION AND PISTON RING # FOR KIT								PISTON DIAMETER MEASURING POINT EXPLANATION						
NOA PISTON PART #	C Y L	PISTON INFORMATION				1ST	PIN	COLOR CODE	-0 (STD)	-1 (0.25)	-2 (0.50)	-3 (0.75)	-4 (1.00)	
		BORE	LENGTH	COMP.	DIST.	2ND	LENGTH		mm	mm	mm	mm	mm	
		mm inch	mm inch	mm inch	mm inch	OIL1	DIA.		inch	inch	inch	inch	inch	
11-869	4	80.000	53.70	29.10	+	4.70	1.20	79.970						
		3.150	2.114	1.146		0.185	0.047						51.50	2.028
PISTON RING #		Total Clearance						REMARKS:		Measure for CYL			12.50 mm	from Bottom of Skirt.
SWN30142		mm	inch					Anodized Head		Clearance:		0.492 inch		
		-0.03	-0.00118					T03		NONE		CAUTION!!!: Bore diameter is measured before skirt Surface Treatment. To Determine "Bore" to Diameter, add wall clearance of +0.04mm (0.00157") to maximum Bore Size.		
PAGE #		223												
11-870	6	94.000	52.50	31.30	+	2.10	1.20	93.970						
		3.701	2.067	1.232		0.083	0.047						56.00	2.205
PISTON RING #		Total Clearance						REMARKS:		Measure for CYL			5.50 mm	from Bottom of Skirt.
SDT10194		mm	inch					Anodized Head		Clearance:		0.217 inch		
		-0.03	-0.00118					T03		Moly Skirt		CAUTION!!!: Bore diameter is measured before skirt Surface Treatment. To Determine "Bore" to Diameter, add wall clearance of +0.04mm (0.00157") to maximum Bore Size.		
PAGE #		193	263											
11-871	6	94.000	56.50	32.70	+	2.80	1.20	93.970						
		3.701	2.224	1.287		0.110	0.047						62.00	2.441
PISTON RING #		Total Clearance						REMARKS:		Measure for CYL			8.00 mm	from Bottom of Skirt.
SWT10195		mm	inch					Anodized Head		Clearance:		0.315 inch		
		-0.03	-0.00118					C17		Moly Skirt		CAUTION!!!: Bore diameter is measured before skirt Surface Treatment. To Determine "Bore" to Diameter, add wall clearance of +0.04mm (0.00157") to maximum Bore Size.		
PAGE #		263												
11-872	4	81.000	53.70	32.70	-	1.90	1.50	80.980						
		3.189	2.114	1.287		0.075	0.059						50.00	1.969
PISTON RING #		Total Clearance						REMARKS:		Measure for CYL			8.00 mm	from Bottom of Skirt.
SWE50744		mm	inch					Anodized Head		Clearance:		0.315 inch		
		-0.03	-0.00118					J05		Moly Skirt		CAUTION!!!: Bore diameter is measured before skirt Surface Treatment. To Determine "Bore" to Diameter, add wall clearance of +0.04mm (0.00157") to maximum Bore Size.		
PAGE #		9	269											

PISTON BUYER'S GUIDE

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NOA PISTON SPECIFICATION AND PISTON RING # FOR KIT							PISTON DIAMETER MEASURING POINT EXPLANATION						
NOA PISTON PART #	C Y L	PISTON INFORMATION				1ST	PIN	COLOR CODE	-0 (STD)	-1 (0.25)	-2 (0.50)	-3 (0.75)	-4 (1.00)
		BORE	LENGTH	COMP.	DIST.	2ND	LENGTH		mm	mm	mm	mm	mm
		mm inch	mm inch	mm inch	mm inch	OIL1	DIA.		inch	inch	inch	inch	inch
11-873	8	99.500	58.70	30.70	+	4.00	1.50	YELLOW:	99.4805	99.7305	99.9805	100.2305	100.4805
		3.917	2.311	1.209		0.157	0.059		2.795	3.91656	3.92640	3.93624	3.94608
PISTON RING #		Total Clearance				1.50		WHITE:	99.4725	99.7225	99.9725	100.2225	100.4725
		mm	inch			0.059		3.91624	3.92608	3.93593	3.94577	3.95561	
SWC10016		-0.03	-0.00118			3.00	24.00	BLUE:	99.4595	99.7095	99.9595	100.2095	100.4595
						0.118	0.945	3.91573	3.92557	3.93541	3.94526	3.95510	
				Cir Clip				GREEN:	99.4675	99.7175	99.9675	100.2175	100.4675
				NONE		SURFACE TREATMENT		REMARKS:					
				J05		Anodized Head		Measure for CYL 6.00 mm from Bottom of Skirt.					
				J05		Moly Skirt		Clearance: 0.236 inch					
PAGE # 47													
11-874	6	89.000	64.80	40.80	+	1.80	1.50	YELLOW:	88.9805	89.2305	89.4805	89.7305	89.9805
		3.504	2.551	1.606		0.071	0.059		2.264	3.50317	3.51301	3.52285	3.53270
PISTON RING #		Total Clearance				1.50		WHITE:	88.9725	89.2225	89.4725	89.7225	89.9725
		mm	inch			0.059		3.50285	3.51270	3.52254	3.53238	3.54222	
SWF30016		-0.03	-0.00118			3.00	23.17	BLUE:	88.9595	89.2095	89.4595	89.7095	89.9595
						0.118	0.912	3.50234	3.51219	3.52203	3.53187	3.54171	
				Cir Clip				GREEN:	88.9675	89.2175	89.4675	89.7175	89.9675
				NONE		SURFACE TREATMENT		REMARKS:					
				J05		NONE		Measure for CYL 11.00 mm from Bottom of Skirt.					
				J05		Moly Skirt		Clearance: 0.433 inch					
PAGE # 67													
11-875	6	96.000	62.20	38.20	-	0.60	1.20	RED:	95.9600	96.2100	96.4600	96.7100	96.9600
		3.780	2.449	1.504		0.024	0.047		2.402	3.77795	3.78780	3.79764	3.80748
PISTON RING #		Total Clearance				1.50		GREEN:	95.9800	96.2300	96.4800	96.7300	96.9800
		mm	inch			0.059		3.77874	3.78858	3.79843	3.80827	3.81811	
SWC10013		-0.03	-0.00118			3.00	24.00	REMARKS:					
						0.118	0.945	Measure for CYL 9.00 mm from Bottom of Skirt.					
				Cir Clip		SURFACE TREATMENT		Clearance: 0.354 inch					
				T03		Anodized Head		CAUTION!!: Bore diameter is measured before skirt Surface Treatment. To Determine "Bore" to Diameter, add wall clearance of +0.04mm (0.00157") to maximum Bore Size.					
				T03		Moly Skirt							
PAGE # 37													
11-876	4	80.000	53.70	29.20	-	4.80	1.20	YELLOW:	79.9730	80.2230	80.4730	80.7230	80.9730
		3.150	2.114	1.150		0.189	0.047		2.047	3.14854	3.15839	3.16823	3.17807
PISTON RING #		Total Clearance				1.20		RED:	79.9865	80.2365	80.4865	80.7365	80.9865
		mm	inch			0.047		3.14907	3.15892	3.16876	3.17860	3.18844	
SWN30142		-0.03	-0.00118			2.50	18.99	BLUE:	79.9795	80.2295	80.4795	80.7295	80.9795
						0.098	0.748	3.14880	3.15864	3.16848	3.17833	3.18817	
				Cir Clip				REMARKS:					
				T01		SURFACE TREATMENT		Measure for CYL 10.00 mm from Bottom of Skirt.					
				T01		Anodized Ring Land		Clearance: 0.394 inch					
				T01		NONE		CAUTION!!: Bore diameter is measured before skirt Surface Treatment. To Determine "Bore" to Diameter, add wall clearance of +0.04mm (0.00157") to maximum Bore Size.					
PAGE # 223													

PISTON BUYER'S GUIDE

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NOA PISTON PART #	C Y L	PISTON INFORMATION				1ST	PIN	COLOR CODE	-0 (STD)	-1 (0.25)	-2 (0.50)	-3 (0.75)	-4 (1.00)
		BORE	LENGTH	COMP.	DIST.	2ND	LENGTH		mm	mm	mm	mm	mm
		mm	mm	mm	mm	OIL1	DIA.	inch	inch	inch	inch	inch	
		inch	inch	inch	inch	OIL2	mm	MID	MID	MID	MID	MID	
11-878	6	95.500	55.10	31.60	-	3.00	1.20	95.470	Tolerance is +/- (mm inch) : 0.003 0.00012				
		3.760	2.169	1.244		0.118	0.047		2.283	YELLOW:	95.4630	95.7130	95.9630
PISTON RING #		Total Clearance						RED:	95.4765	95.7265	95.9765	96.2265	96.4765
SWN30131		mm	inch					BLUE:	3.75892	3.76876	3.77860	3.78844	3.79829
		-0.03	-0.00118						95.4695	95.7195	95.9695	96.2195	96.4695
									3.75864	3.76848	3.77833	3.78817	3.79801
								REMARKS:					
								Measure for CYL 6.00 mm from Bottom of Skirt.					
								Clearance: 0.236 inch					
								CAUTION!!: Bore diameter is measured before skirt Surface Treatment. To Determine "Bore" to Diameter, add wall clearance of +0.04mm (0.00157") to maximum Bore Size.					
11-879	8	98.000	52.00	31.60	-	4.20	1.50	97.970	Tolerance is +/- (mm inch) : 0.01 0.00039				
		3.858	2.047	1.244		0.165	0.059		2.346	RED:	97.9600	98.2100	98.4600
PISTON RING #		Total Clearance						GREEN:	3.85669	3.86654	3.87638	3.88622	3.89606
SWN30149		mm	inch						97.9800	98.2300	98.4800	98.7300	98.9800
		-0.03	-0.00118						3.85748	3.86732	3.87717	3.88701	3.89685
								REMARKS:					
								Measure for CYL 6.00 mm from Bottom of Skirt.					
								Clearance: 0.236 inch					
								CAUTION!!: Bore diameter is measured before skirt Surface Treatment. To Determine "Bore" to Diameter, add wall clearance of +0.04mm (0.00157") to maximum Bore Size.					
11-880	4	95.000	59.30	39.30	-	8.60	1.20	95.000	Tolerance is +/- (mm inch) : 0.0025 0.00010				
		3.740	2.335	1.547		0.339	0.047		2.441	YELLOW:	94.9775	95.2275	95.4775
PISTON RING #		Total Clearance						RED:	3.73927	3.74911	3.75896	3.76880	3.77864
SDT10193		mm	inch					BLUE:	94.9675	95.2175	95.4675	95.7175	95.9675
		-0.03	-0.00118					GREEN:	3.73888	3.74872	3.75856	3.76841	3.77825
									94.9625	95.2125	95.4625	95.7125	95.9625
									3.73868	3.74852	3.75837	3.76822	3.77805
								REMARKS:					
								Measure for CYL 10.00 mm from Bottom of Skirt.					
								Clearance: 0.394 inch					
								CAUTION!!: Bore diameter is measured before skirt Surface Treatment. To Determine "Bore" to Diameter, add wall clearance of +0.04mm (0.00157") to maximum Bore Size.					
11-881	4	89.000	61.50	32.90	+	5.90	1.20	88.970	Tolerance is +/- (mm inch) : 0.01 0.00039				
		3.504	2.421	1.295		0.232	0.047		2.244	RED:	88.9600	89.2100	89.4600
PISTON RING #		Total Clearance						GREEN:	3.50236	3.51220	3.52205	3.53189	3.54173
TBA		mm	inch						88.9800	89.2300	89.4800	89.7300	89.9800
		-0.03	-0.00118						3.50315	3.51299	3.52283	3.53268	3.54252
								REMARKS:					
								Measure for CYL 9.50 mm from Bottom of Skirt.					
								Clearance: 0.374 inch					
								CAUTION!!: Bore diameter is measured before skirt Surface Treatment. To Determine "Bore" to Diameter, add wall clearance of +0.04mm (0.00157") to maximum Bore Size.					

PISTON BUYER'S GUIDE

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NOA PISTON PART #	C Y L	PISTON INFORMATION				1ST	PIN	COLOR CODE	-0 (STD)	-1 (0.25)	-2 (0.50)	-3 (0.75)	-4 (1.00)
		BORE	LENGTH	COMP.	DIST.	2ND	LENGTH		mm	mm	mm	mm	mm
		mm	mm	mm	mm	OIL1	DIA.	inch	inch	inch	inch	inch	
		inch	inch	inch	inch	OIL2	mm	MID	MID	MID	MID	MID	
11-886	8	98.200	78.90	52.15	15.95	2.50	75.00	YELLOW:	98.1775	98.4275	98.6775	98.9275	99.1775
		3.866	3.106	2.053	0.628	0.098	2.953		3.86526	3.87510	3.88494	3.89478	3.90463
PISTON RING #		Total Clearance				2.00		RED:	98.1675	98.4175	98.6675	98.9175	99.1675
		mm	inch			0.079		BLUE:	3.86486	3.87470	3.88455	3.89439	3.90423
SDF30022		-0.06	-0.00236			3.00	38.50	GREEN:	98.1625	98.4125	98.6625	98.9125	99.1625
						0.118	1.516		3.86467	3.87451	3.88435	3.89419	3.90404
				Cir Clip					98.1725	98.4225	98.6725	98.9225	99.1725
									3.86506	3.87490	3.88474	3.89459	3.90443
				SURFACE TREATMENT				REMARKS:					
				NONE				Measure for CYL 15.00 mm from Bottom of Skirt.					
				C17				Clearance: 0.591 inch					
								CAUTION!!!: Bore diameter is measured before skirt Surface Treatment. To Determine "Bore" to Diameter, add wall clearance of +0.04mm (0.00157") to maximum Bore Size.					
PAGE #		85						98.200 Tolerance is +/- (mm inch) : 0.0025 0.00010					
11-887	6	92.000	50.60	30.60	5.50	1.20	60.00	YELLOW:	91.9705	92.2205	92.4705	92.7205	92.9705
		3.622	1.992	1.205	0.217	0.047	2.362		3.62089	3.63073	3.64057	3.65041	3.66026
PISTON RING #		Total Clearance				1.50		WHITE:	91.9625	92.2125	92.4625	92.7125	92.9625
		mm	inch			0.059		BLUE:	3.62057	3.63041	3.64026	3.65010	3.65994
SWG10001		-0.04	-0.00157			4.00	23.00	GREEN:	91.9495	92.1995	92.4495	92.6995	92.9495
						0.157	0.906		3.62006	3.62990	3.63974	3.64959	3.65943
				Cir Clip					91.9575	92.2075	92.4575	92.7075	92.9575
									3.62037	3.63022	3.64006	3.64990	3.65974
				SURFACE TREATMENT				REMARKS:					
				NONE				Measure for CYL 15.00 mm from Bottom of Skirt.					
				J05				Clearance: 0.591 inch					
								CAUTION!!!: Bore diameter is measured before skirt Surface Treatment. To Determine "Bore" to Diameter, add wall clearance of +0.04mm (0.00157") to maximum Bore Size.					
PAGE #		113						91.960 Tolerance is +/- (mm inch) : 0.0045 0.00018					
11-888	6	96.520	53.30	27.40	1.30	1.20	65.50	YELLOW:	96.4750	96.7250	96.9750	97.2250	97.4750
		3.800	2.098	1.079	0.051	0.047	2.579		3.79823	3.80807	3.81791	3.82776	3.83760
PISTON RING #		Total Clearance				1.50		WHITE:	96.4725	96.7225	96.9725	97.2225	97.4725
		mm	inch			0.059		BLUE:	3.79813	3.80797	3.81781	3.82766	3.83750
SWG10003		-0.03	-0.00118			2.00	22.00	GREEN:	96.4650	96.7150	96.9650	97.2150	97.4650
						0.079	0.866		3.79783	3.80768	3.81752	3.82736	3.83720
				Cir Clip					96.4675	96.7175	96.9675	97.2175	97.4675
									3.79793	3.80778	3.81762	3.82746	3.83730
				SURFACE TREATMENT				REMARKS:					
				NONE				Measure for CYL 12.00 mm from Bottom of Skirt.					
				J05				Clearance: 0.472 inch					
								CAUTION!!!: Bore diameter is measured before skirt Surface Treatment. To Determine "Bore" to Diameter, add wall clearance of +0.04mm (0.00157") to maximum Bore Size.					
PAGE #		119 121						96.470 Tolerance is +/- (mm inch) : 0.0045 0.00018					
11-889	8	101.600	57.90	33.90	1.40	1.20	65.00	YELLOW:	101.4050	101.6550	101.9050	102.1550	102.4050
		4.000	2.280	1.335	0.055	0.047	2.559		3.99232	4.00217	4.01201	4.02185	4.03169
PISTON RING #		Total Clearance				1.50		WHITE:	101.4025	101.6525	101.9025	102.1525	102.4025
		mm	inch			0.059		BLUE:	3.99222	4.00207	4.01191	4.02175	4.03159
SWG10031		-0.03	-0.00118			2.00	23.96	GREEN:	101.3950	101.6450	101.8950	102.1450	102.3950
						0.079	0.943		3.99193	4.00177	4.01161	4.02146	4.03130
				Cir Clip					101.3975	101.6475	101.8975	102.1475	102.3975
									3.99203	4.00187	4.01171	4.02156	4.03140
				SURFACE TREATMENT				REMARKS:					
				NONE				Measure for CYL 13.00 mm from Bottom of Skirt.					
				J05				Clearance: 0.512 inch					
								CAUTION!!!: Bore diameter is measured before skirt Surface Treatment. To Determine "Bore" to Diameter, add wall clearance of +0.04mm (0.00157") to maximum Bore Size.					
PAGE #		143						101.400 Tolerance is +/- (mm inch) : 0.0045 0.00018					

PISTON BUYER'S GUIDE

Cylinder Wall Clearance is showing Total Diameter, not one side.
EX: -0.04 (Total) / 2 = -0.02 (one side)



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NOA PISTON SPECIFICATION AND PISTON RING # FOR KIT							PISTON DIAMETER MEASURING POINT EXPLANATION						
NOA PISTON PART #	C Y L	PISTON INFORMATION				1ST	PIN	COLOR CODE	-0 (STD)	-1 (0.25)	-2 (0.50)	-3 (0.75)	-4 (1.00)
		BORE	LENGTH	COMP.	DIST.	2ND	LENGTH		mm	mm	mm	mm	mm
		mm	mm	mm	mm	OIL1	DIA.	inch	inch	inch	inch	inch	
		inch	inch	inch	inch	OIL2	mm	MID	MID	MID	MID	MID	
11-890	4	73.000	49.40	26.20	+	1.70	1.00	72.980	Tolerance is +/- (mm inch) : 0.0045 0.00018				
		2.874	1.945	1.031		0.067	0.039		2.126	YELLOW:	72.9850	73.2350	73.4850
PISTON RING #		Total Clearance				1.20		WHITE:	72.9825	73.2325	73.4825	73.7325	73.9825
		mm	inch			0.047		BLUE:	2.87333	2.88317	2.89301	2.90285	2.91270
TBA		-0.02	-0.00079			2.00	18.00	GREEN:	72.9750	73.2250	73.4750	73.7250	73.9750
						0.079	0.709		2.87303	2.88287	2.89272	2.90256	2.91240
		Cir Clip						REMARKS:	2.87313	2.88297	2.89281	2.90266	2.91250
		NONE						Measure for CYL	6.00 mm from Bottom of Skirt.				
		SURFACE TREATMENT						Clearance:	0.236 inch				
		NONE						CAUTION!!!: Bore diameter is measured before skirt Surface Treatment. To Determine "Bore" to Diameter, add wall clearance of +0.04mm (0.00157") to maximum Bore Size.					
		J05											
11-891	4	81.000	49.40	28.88	-	2.00	1.20	80.980	Tolerance is +/- (mm inch) : 0.003 0.00012				
		3.189	1.945	1.137		0.079	0.047		1.811	YELLOW:	80.9730	81.2230	81.4730
PISTON RING #		Total Clearance				1.20		RED:	3.18791	3.19776	3.20760	3.21744	3.22728
SWH30484		mm	inch			0.047		BLUE:	80.9865	81.2365	81.4865	81.7365	81.9865
		-0.02	-0.00079			2.00	19.96		3.18844	3.19829	3.20813	3.21797	3.22781
						0.079	0.786		80.9795	81.2295	81.4795	81.7295	81.9795
		Cir Clip						REMARKS:	3.18817	3.19801	3.20785	3.21770	3.22754
		NONE						Measure for CYL	6.00 mm from Bottom of Skirt.				
		SURFACE TREATMENT						Clearance:	0.236 inch				
		Anodized Ring Land						CAUTION!!!: Bore diameter is measured before skirt Surface Treatment. To Determine "Bore" to Diameter, add wall clearance of +0.04mm (0.00157") to maximum Bore Size.					
		T01											
11-892	6	86.700	54.00	30.50	-	0.60	1.20	86.680	Tolerance is +/- (mm inch) : 0.003 0.00012				
		3.413	2.126	1.201		0.024	0.047		2.323	YELLOW:	86.6730	86.9230	87.1730
PISTON RING #		Total Clearance				1.20		RED:	3.41232	3.42217	3.43201	3.44185	3.45169
SWG30045		mm	inch			0.047		BLUE:	86.6865	86.9365	87.1865	87.4365	87.6865
		-0.02	-0.00079			2.00	21.00		3.41285	3.42270	3.43254	3.44238	3.45222
						0.079	0.827		86.6795	86.9295	87.1795	87.4295	87.6795
		Cir Clip						REMARKS:	3.41258	3.42242	3.43226	3.44211	3.45195
		NONE						Measure for CYL	5.00 mm from Bottom of Skirt.				
		SURFACE TREATMENT						Clearance:	0.197 inch				
		NONE						CAUTION!!!: Bore diameter is measured before skirt Surface Treatment. To Determine "Bore" to Diameter, add wall clearance of +0.04mm (0.00157") to maximum Bore Size.					
		T01											
11-893	4	78.000	46.80	28.50	-	4.50	1.20	77.970	Tolerance is +/- (mm inch) : 0.003 0.00012				
		3.071	1.843	1.122		0.177	0.047		2.106	YELLOW:	77.9630	78.2130	78.4630
PISTON RING #		Total Clearance				1.20		RED:	3.06941	3.07925	3.08909	3.09894	3.10878
SWN30196		mm	inch			0.047		BLUE:	77.9765	78.2265	78.4765	78.7265	78.9765
		-0.03	-0.00118			2.00	19.00		3.06994	3.07978	3.08963	3.09947	3.10931
						0.079	0.748		77.9695	78.2195	78.4695	78.7195	78.9695
		Cir Clip						REMARKS:	3.06967	3.07951	3.08935	3.09919	3.10904
		NONE						Measure for CYL	8.00 mm from Bottom of Skirt.				
		SURFACE TREATMENT						Clearance:	0.315 inch				
		Anodized Head						CAUTION!!!: Bore diameter is measured before skirt Surface Treatment. To Determine "Bore" to Diameter, add wall clearance of +0.04mm (0.00157") to maximum Bore Size.					
		T01											

PISTON BUYER'S GUIDE

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NOA PISTON SPECIFICATION AND PISTON RING # FOR KIT								PISTON DIAMETER MEASURING POINT EXPLANATION								
NOA PISTON PART #	C Y L	PISTON INFORMATION				1ST	PIN	COLOR CODE	-0 (STD)	-1 (0.25)	-2 (0.50)	-3 (0.75)	-4 (1.00)			
		BORE	LENGTH	COMP.	DIST.	2ND	LENGTH		mm	mm	mm	mm	mm			
		mm inch	mm inch	mm inch	mm inch	OIL1 OIL2	DIA. mm		inch	inch	inch	inch	inch			
11-894	4	PAGE # 227		89.000	53.50	32.40	6.60	1.20	57.00	89.000 Tolerance is +/- (mm inch) : 0.0025 0.00010						
				3.504	2.106	1.276	-	0.260	0.047	2.244	YELLOW:	88.9775	89.2275	89.4775	89.7275	89.9775
											3.50305	3.51289	3.52274	3.53258	3.54242	
PISTON RING #		Total Clearance						1.20								
SWN30189		mm	inch					0.047								
		-0.03	-0.00118					2.00								
								0.079								
		Cir Clip		SURFACE TREATMENT		Anodized Head		REMARKS:								
		C17		Moly Skirt		Measure for CYL 10.00 mm from Bottom of Skirt.										
						Clearance: 0.394 inch										
						CAUTION!!!: Bore diameter is measured before skirt Surface Treatment. To Determine "Bore" to Diameter, add wall clearance of +0.04mm (0.00157") to maximum Bore Size.										
11-895	4	PAGE # 253		75.000	49.50	30.70	3.30	1.20	53.00	Tolerance is +/- (mm inch) : 0.0045 0.00018						
				2.953	1.949	1.209	-	0.130	0.047	2.087	YELLOW:	0.0050	0.2550	0.5050	0.7550	1.0050
											0.00020	0.01004	0.01988	0.02972	0.03957	
PISTON RING #		Total Clearance						1.20								
SDT10222		mm	inch					0.047								
		-0.02	-0.00079					2.00								
								0.079								
		Cir Clip		SURFACE TREATMENT		NONE		REMARKS:								
		T01		NONE		Measure for CYL mm from Bottom of Skirt.										
						Clearance: inch										
						CAUTION!!!: Bore diameter is measured before skirt Surface Treatment. To Determine "Bore" to Diameter, add wall clearance of +0.04mm (0.00157") to maximum Bore Size.										
11-896	4	PAGE # 237 259		88.500	55.80	35.80	7.80	1.00	56.00	88.470 Tolerance is +/- (mm inch) : 0.003 0.00012						
				3.484	2.197	1.409	-	0.307	0.039	2.205	YELLOW:	88.4630	88.7130	88.9630	89.2130	89.4630
											3.48280	3.49264	3.50248	3.51232	3.52217	
PISTON RING #		Total Clearance						1.00								
SDT10200		mm	inch					0.039								
		-0.03	-0.00118					2.00								
								0.079								
		Cir Clip		SURFACE TREATMENT		Anodized Head		REMARKS:								
		T01		Moly Skirt		Measure for CYL 6.00 mm from Bottom of Skirt.										
						Clearance: 0.236 inch										
						CAUTION!!!: Bore diameter is measured before skirt Surface Treatment. To Determine "Bore" to Diameter, add wall clearance of +0.04mm (0.00157") to maximum Bore Size.										
11-897	4	PAGE # 237 259		90.000	53.30	34.80	3.70	1.00	56.00	89.000 Tolerance is +/- (mm inch) : 0.0025 0.00010						
				3.543	2.098	1.370	+	0.146	0.039	2.205	YELLOW:	88.9775	89.2275	89.4775	89.7275	89.9775
											3.50305	3.51289	3.52274	3.53258	3.54242	
PISTON RING #		Total Clearance						1.00								
SDT09000		mm	inch					0.039								
		-0.03	-0.00118					2.00								
								0.079								
		Cir Clip		SURFACE TREATMENT		Anodized Head		REMARKS:								
		C17		Moly Skirt		Measure for CYL 10.00 mm from Bottom of Skirt.										
						Clearance: 0.394 inch										
						CAUTION!!!: Bore diameter is measured before skirt Surface Treatment. To Determine "Bore" to Diameter, add wall clearance of +0.04mm (0.00157") to maximum Bore Size.										

PISTON BUYER'S GUIDE

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EX: -0.04 (Total) / 2 = -0.02 (one side)



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NOA PISTON SPECIFICATION AND PISTON RING # FOR KIT							PISTON DIAMETER MEASURING POINT EXPLANATION						
NOA PISTON PART #	C Y L	PISTON INFORMATION				1ST	PIN	COLOR CODE	-0 (STD)	-1 (0.25)	-2 (0.50)	-3 (0.75)	-4 (1.00)
		BORE	LENGTH	COMP.	DIST.	2ND	LENGTH		mm	mm	mm	mm	mm
		mm	mm	mm	mm	OIL1	DIA.	inch	inch	inch	inch	inch	
		inch	inch	inch	inch	OIL2	mm	MID	MID	MID	MID	MID	
11-898	4	87.500	51.00	28.50	-	2.00	60.00	YELLOW:	87.4775	87.7275	87.9775	88.2275	88.4775
		3.445	2.008	1.122		0.079	0.047		2.362	3.44400	3.45384	3.46368	3.47352
PISTON RING #		Total Clearance					1.20	RED:	87.4675	87.7175	87.9675	88.2175	88.4675
		mm	inch				0.047		3.44360	3.45344	3.46329	3.47313	3.48297
SWT20089		-0.03	-0.00118				2.50	BLUE:	87.4625	87.7125	87.9625	88.2125	88.4625
							0.098	3.44341	3.45325	3.46309	3.47293	3.48278	
		Cir Clip						GREEN:	87.4725	87.7225	87.9725	88.2225	88.4725
		NONE						3.44380	3.45364	3.46348	3.47333	3.48317	
		SURFACE TREATMENT						REMARKS:					
		Anodized Head						Measure for CYL 10.00 mm from Bottom of Skirt.					
		Moly Skirt						Clearance: 0.394 inch					
		CAUTION!!!						Bore diameter is measured before skirt Surface Treatment. To Determine "Bore" to Diameter, add wall clearance of +0.04mm (0.00157") to maximum Bore Size.					
PAGE #		127	135					95.980 Tolerance is +/- (mm inch) : 0.0045 0.00018					
11-899	8	96.000	59.30	33.60		1.50	65.00	YELLOW:	95.9850	96.2350	96.4850	96.7350	96.9850
		3.780	2.335	1.323		0.059	2.559		3.77894	3.78878	3.79862	3.80846	3.81831
PISTON RING #		Total Clearance				1.50		WHITE:	95.9825	96.2325	96.4825	96.7325	96.9825
		mm	inch			0.059			3.77884	3.78868	3.79852	3.80837	3.81821
SWG10005		-0.02	-0.00079			3.00	23.96	BLUE:	95.9750	96.2250	96.4750	96.7250	96.9750
						0.118	0.943	3.77854	3.78839	3.79823	3.80807	3.81791	
		Cir Clip						GREEN:	95.9775	96.2275	96.4775	96.7275	96.9775
		NONE						3.77864	3.78848	3.79833	3.80817	3.81801	
		SURFACE TREATMENT						REMARKS:					
		Anodized Head						Measure for CYL 16.00 mm from Bottom of Skirt.					
		Moly Skirt						Clearance: 0.630 inch					
		CAUTION!!!						Bore diameter is measured before skirt Surface Treatment. To Determine "Bore" to Diameter, add wall clearance of +0.04mm (0.00157") to maximum Bore Size.					
PAGE #		127	133					95.980 Tolerance is +/- (mm inch) : 0.0045 0.00018					
11-900	8	96.000	64.80	33.60	-	1.80	63.50	YELLOW:	95.9850	96.2350	96.4850	96.7350	96.9850
		3.780	2.551	1.323		0.071	2.500		3.77894	3.78878	3.79862	3.80846	3.81831
PISTON RING #		Total Clearance				1.50		WHITE:	95.9825	96.2325	96.4825	96.7325	96.9825
		mm	inch			0.059			3.77884	3.78868	3.79852	3.80837	3.81821
SWG10005		-0.02	-0.00079			3.00	23.96	BLUE:	95.9750	96.2250	96.4750	96.7250	96.9750
						0.118	0.943	3.77854	3.78839	3.79823	3.80807	3.81791	
		Cir Clip						GREEN:	95.9775	96.2275	96.4775	96.7275	96.9775
		NONE						3.77864	3.78848	3.79833	3.80817	3.81801	
		SURFACE TREATMENT						REMARKS:					
		Anodized Head						Measure for CYL 25.00 mm from Bottom of Skirt.					
		Moly Skirt						Clearance: 0.984 inch					
		CAUTION!!!						Bore diameter is measured before skirt Surface Treatment. To Determine "Bore" to Diameter, add wall clearance of +0.04mm (0.00157") to maximum Bore Size.					
PAGE #		167	185					81.980 Tolerance is +/- (mm inch) : 0.003 0.00012					
11-901	4	82.000	57.90	31.10	+	0.30	59.00	YELLOW:	81.9730	82.2230	82.4730	82.7230	82.9730
		3.228	2.280	1.224		0.012	0.047		2.323	3.22728	3.23713	3.24697	3.25681
PISTON RING #		Total Clearance				1.20		RED:	81.9865	82.2365	82.4865	82.7365	82.9865
		mm	inch			0.047			3.22781	3.23766	3.24750	3.25734	3.26719
SWG30054		-0.03	-0.00118			2.00	20.00	BLUE:	81.9795	82.2295	82.4795	82.7295	82.9795
						0.079	0.787	3.22754	3.23738	3.24722	3.25707	3.26691	
		Cir Clip						REMARKS:					
		NONE						Measure for CYL 5.00 mm from Bottom of Skirt.					
		NONE						Clearance: 0.197 inch					
		Graphite Skirt						CAUTION!!! Bore diameter is measured before skirt Surface Treatment. To Determine "Bore" to Diameter, add wall clearance of +0.04mm (0.00157") to maximum Bore Size.					

PISTON BUYER'S GUIDE

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EX: -0.04 (Total) / 2 = -0.02 (one side)



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NOA PISTON PART #	C Y L	PISTON INFORMATION				1ST	PIN	COLOR CODE	-0 (STD)	-1 (0.25)	-2 (0.50)	-3 (0.75)	-4 (1.00)						
		BORE	LENGTH	COMP.	DIST.	2ND	LENGTH		mm	mm	mm	mm	mm						
		mm inch	mm inch	mm inch	mm inch	OIL1 OIL2	DIA. mm		inch	inch	inch	inch	inch						
11-902	8	93.000	56.50	35.40	+	5.30	1.20	92.950	Tolerance is +/- (mm inch) : 0.0045 0.00018	93.2050	93.4550	93.7050	93.9550						
		3.661	2.224	1.394		0.209	0.047							2.283	3.65965	3.66949	3.67933	3.68917	3.69902
		PISTON RING #		Total Clearance		1.50								92.9550	93.2025	93.4525	93.7025	93.9525	
SWG10011		mm	inch	0.059		23.00	92.9450	93.1950	93.4450	93.6950	93.9450								
		-0.02	-0.00079	0.098		0.906	3.65925	3.66909	3.67894	3.68878	3.69862								
		Cir Clip		SURFACE TREATMENT		REMARKS:		Measure for CYL 8.00 mm from Bottom of Skirt.											
		NONE		Anodized Head		CAUTION!!!: Bore diameter is measured before skirt Surface Treatment. To Determine "Bore" to Diameter, add wall clearance of +0.04mm (0.00157") to maximum Bore Size.		Clearance: 0.315 inch											
		J05		Moly Skirt															
PAGE # 75																			
11-903	8	90.200	52.50	31.00	+	1.30	1.50	90.180	Tolerance is +/- (mm inch) : 0.0045 0.00018	90.4350	90.6850	90.9350	91.1850						
		3.551	2.067	1.220		0.051	0.059							2.441	3.55059	3.56043	3.57028	3.58012	3.58996
		PISTON RING #		Total Clearance		1.50								90.1825	90.4325	90.6825	90.9325	91.1825	
SWF30006		mm	inch	0.059		22.00	3.55049	3.56033	3.57018	3.58002	3.58986								
		-0.02	-0.00079	0.118		0.866	90.1750	90.4250	90.6750	90.9250	91.1750								
		Cir Clip		SURFACE TREATMENT		REMARKS:		Measure for CYL 9.00 mm from Bottom of Skirt.											
		NONE		Anodized Head		CAUTION!!!: Bore diameter is measured before skirt Surface Treatment. To Determine "Bore" to Diameter, add wall clearance of +0.04mm (0.00157") to maximum Bore Size.		Clearance: 0.354 inch											
		J05		Moly Skirt															
PAGE # 145																			
11-904	8	103.250	56.00	34.00	-	3.70	1.50	103.220	Tolerance is +/- (mm inch) : 0.0045 0.00018	103.4750	103.7250	103.9750	104.2250						
		4.065	2.205	1.339		0.146	0.059							2.559	4.06398	4.07382	4.08366	4.09350	4.10335
		PISTON RING #		Total Clearance		1.50								103.2225	103.4725	103.7225	103.9725	104.2225	
TBA		mm	inch	0.059		23.96	4.06388	4.07372	4.08356	4.09341	4.10325								
		-0.02	-0.00079	0.098		0.943	103.2150	103.4650	103.7150	103.9650	104.2150								
		Cir Clip		SURFACE TREATMENT		REMARKS:		Measure for CYL 9.00 mm from Bottom of Skirt.											
		NONE		Anodized Head		CAUTION!!!: Bore diameter is measured before skirt Surface Treatment. To Determine "Bore" to Diameter, add wall clearance of +0.04mm (0.00157") to maximum Bore Size.		Clearance: 0.354 inch											
		J05		Moly Skirt															
PAGE # 165																			
11-905	4	87.000	57.40	28.80	+	4.20	1.20	87.000	Tolerance is +/- (mm inch) : 0.0025 0.00010	87.2275	87.4775	87.7275	87.9775						
		3.425	2.260	1.134		0.165	0.047							2.047	3.42431	3.43415	3.44400	3.45384	3.46368
		PISTON RING #		Total Clearance		1.20								86.9675	87.2175	87.4675	87.7175	87.9675	
SWH30488		mm	inch	0.047		21.97	3.42392	3.43376	3.44360	3.45344	3.46329								
		-0.03	-0.00118	0.079		0.865	86.9625	87.2125	87.4625	87.7125	87.9625								
		Cir Clip		SURFACE TREATMENT		REMARKS:		Measure for CYL 10.00 mm from Bottom of Skirt.											
		NONE		NONE		CAUTION!!!: Bore diameter is measured before skirt Surface Treatment. To Determine "Bore" to Diameter, add wall clearance of +0.04mm (0.00157") to maximum Bore Size.		Clearance: 0.394 inch											
		C17		Moly Skirt															

PISTON BUYER'S GUIDE

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NOA PISTON SPECIFICATION AND PISTON RING # FOR KIT							PISTON DIAMETER MEASURING POINT EXPLANATION									
NOA PISTON PART #	C Y L	PISTON INFORMATION				1ST	PIN	COLOR CODE	-0 (STD)	-1 (0.25)	-2 (0.50)	-3 (0.75)	-4 (1.00)			
		BORE	LENGTH	COMP.	DIST.	2ND	LENGTH		mm	mm	mm	mm	mm			
		mm	mm	mm	mm	OIL1	DIA.	inch	inch	inch	inch	inch				
		inch	inch	inch	inch	OIL2	mm	MID	MID	MID	MID	MID				
11-906	6	PAGE # 165		89.000	51.30	29.40	0.30	1.20	54.00	89.000 Tolerance is +/- (mm inch) : 0.0025 0.00010						
				3.504	2.020	1.157	-	0.012	0.047	2.126	YELLOW:	88.9775	89.2275	89.4775	89.7275	89.9775
											3.50305	3.51289	3.52274	3.53258	3.54242	
PISTON RING #		Total Clearance						1.20								
		mm		inch				0.047								
SWH30438		-0.03		-0.00118				2.80	21.97							
								0.110	0.865							
				Cir Clip												
				NONE												
				C17												
				SURFACE TREATMENT												
				Moly Skirt												
				REMARKS:												
				Measure for CYL												
				Clearance:												
				15.00 mm												
				0.591 inch												
				from Bottom of Skirt.												
				CAUTION!!!: Bore diameter is measured before skirt Surface Treatment. To Determine "Bore" to Diameter, add wall clearance of +0.04mm (0.00157") to maximum Bore Size.												
11-907	6	PAGE # 231		95.500	49.60	29.00	2.20	1.20	54.00	95.500 Tolerance is +/- (mm inch) : 0.0025 0.00010						
				3.760	1.953	1.142	-	0.087	0.047	2.126	YELLOW:	95.4775	95.7275	95.9775	96.2275	96.4775
											3.75896	3.76880	3.77864	3.78848	3.79833	
PISTON RING #		Total Clearance						1.20								
		mm		inch				0.047								
SWN30191		-0.03		-0.00118				2.00	22.00							
								0.079	0.866							
				Cir Clip												
				NONE												
				C17												
				SURFACE TREATMENT												
				Anodized Head												
				Moly Skirt												
				REMARKS:												
				Measure for CYL												
				Clearance:												
				10.00 mm												
				0.394 inch												
				from Bottom of Skirt.												
				CAUTION!!!: Bore diameter is measured before skirt Surface Treatment. To Determine "Bore" to Diameter, add wall clearance of +0.04mm (0.00157") to maximum Bore Size.												
11-908	4	PAGE # 23 169 187 215		88.000	51.50	27.20	1.50	1.20	58.00	88.000 Tolerance is +/- (mm inch) : 0.0025 0.00010						
				3.465	2.028	1.071	-	0.059	0.047	2.283	YELLOW:	87.9775	88.2275	88.4775	88.7275	88.9775
											3.46368	3.47352	3.48337	3.49321	3.50305	
PISTON RING #		Total Clearance						3.30	1.20							
		mm		inch				0.130	0.047							
SWG30042		-0.03		-0.00118				2.00	21.00							
								0.079	0.827							
				Cir Clip												
				NONE												
				C17												
				SURFACE TREATMENT												
				NONE												
				Moly Skirt												
				REMARKS:												
				Measure for CYL												
				Clearance:												
				15.00 mm												
				0.591 inch												
				from Bottom of Skirt.												
				CAUTION!!!: Bore diameter is measured before skirt Surface Treatment. To Determine "Bore" to Diameter, add wall clearance of +0.04mm (0.00157") to maximum Bore Size.												
11-909	4	PAGE # 17 167 185 213		86.000	53.00	29.70	0.40	1.20	58.00	86.000 Tolerance is +/- (mm inch) : 0.0025 0.00010						
				3.386	2.087	1.169	-	0.016	0.047	2.283	YELLOW:	85.9775	86.2275	86.4775	86.7275	86.9775
											3.38494	3.39478	3.40463	3.41447	3.42431	
PISTON RING #		Total Clearance						1.50	1.20							
		mm		inch				0.059	0.047							
SWG30041		-0.03		-0.00118				3.10	22.00							
								0.122	0.079	0.866						
				Cir Clip												
				NONE												
				C17												
				SURFACE TREATMENT												
				Anodized Head												
				Moly Skirt												
				REMARKS:												
				Measure for CYL												
				Clearance:												
				15.00 mm												
				0.591 inch												
				from Bottom of Skirt.												
				CAUTION!!!: Bore diameter is measured before skirt Surface Treatment. To Determine "Bore" to Diameter, add wall clearance of +0.04mm (0.00157") to maximum Bore Size.												

PISTON BUYER'S GUIDE

Cylinder Wall Clearance is showing Total Diameter, not one side.
EX: -0.04 (Total) / 2 = -0.02 (one side)



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NOA PISTON SPECIFICATION AND PISTON RING # FOR KIT								PISTON DIAMETER MEASURING POINT EXPLANATION										
NOA PISTON PART #	C Y L	PISTON INFORMATION				1ST	PIN	COLOR CODE	-0 (STD)	-1 (0.25)	-2 (0.50)	-3 (0.75)	-4 (1.00)					
		BORE	LENGTH	COMP.	DIST.	2ND	LENGTH		mm	mm	mm	mm	mm					
		mm inch	mm inch	mm inch	mm inch	OIL1	DIA.		inch	inch	inch	inch	inch					
11-914	4	PAGE #		Tolerance is +/- (mm inch) : 0.0025 0.00010														
		PISTON RING #		Total Clearance		YELLOW: -0.0225 0.2275 0.4775 0.7275 0.9775												
				mm inch		-0.00089 0.00896 0.01880 0.02864 0.03848												
				-0.03 -0.00118		RED: -0.0325 0.2175 0.4675 0.7175 0.9675												
						Cir Clip		BLUE: -0.0375 0.2125 0.4625 0.7125 0.9625										
										-0.00148 0.00837 0.01821 0.02805 0.03789								
										GREEN: -0.0275 0.2225 0.4725 0.7225 0.9725								
										-0.00108 0.00876 0.01860 0.02844 0.03829								
										REMARKS:								
										Measure for CYL mm from Bottom of Skirt.								
										Clearance: inch								
										CAUTION!!!: Bore diameter is measured before skirt Surface Treatment. To Determine "Bore" to Diameter, add wall clearance of +0.04mm (0.00157") to maximum Bore Size.								
11-915	4	PAGE #		Tolerance is +/- (mm inch) : 0.0025 0.00010														
		PISTON RING #		Total Clearance		YELLOW: -0.0225 0.2275 0.4775 0.7275 0.9775												
				mm inch		-0.00089 0.00896 0.01880 0.02864 0.03848												
				-0.03 -0.00118		RED: -0.0325 0.2175 0.4675 0.7175 0.9675												
						Cir Clip		BLUE: -0.0375 0.2125 0.4625 0.7125 0.9625										
										-0.00148 0.00837 0.01821 0.02805 0.03789								
										GREEN: -0.0275 0.2225 0.4725 0.7225 0.9725								
										-0.00108 0.00876 0.01860 0.02844 0.03829								
										REMARKS:								
										Measure for CYL mm from Bottom of Skirt.								
										Clearance: inch								
										CAUTION!!!: Bore diameter is measured before skirt Surface Treatment. To Determine "Bore" to Diameter, add wall clearance of +0.04mm (0.00157") to maximum Bore Size.								
11-916	6	PAGE # 39		95.980 Tolerance is +/- (mm inch) : 0.003 0.00012														
		PISTON RING #		Total Clearance		YELLOW: 95.9730 96.2230 96.4730 96.7230 96.9730												
				mm inch		3.77846 3.78831 3.79815 3.80799 3.81783												
				-0.03 -0.00118		RED: 95.9865 96.2365 96.4865 96.7365 96.9865												
						Cir Clip		BLUE: 95.9795 96.2295 96.4795 96.7295 96.9795										
										3.77872 3.78856 3.79841 3.80825 3.81809								
										REMARKS:								
										Measure for CYL 9.00 mm from Bottom of Skirt.								
										Clearance: 0.354 inch								
										CAUTION!!!: Bore diameter is measured before skirt Surface Treatment. To Determine "Bore" to Diameter, add wall clearance of +0.04mm (0.00157") to maximum Bore Size.								
11-917	4	PAGE #		93.980 Tolerance is +/- (mm inch) : 0.003 0.00012														
		PISTON RING #		Total Clearance		YELLOW: 93.9730 94.2230 94.4730 94.7230 94.9730												
				mm inch		3.69972 3.70957 3.71941 3.72925 3.73909												
				-0.03 -0.00118		RED: 93.9865 94.2365 94.4865 94.7365 94.9865												
						Cir Clip		BLUE: 93.9795 94.2295 94.4795 94.7295 94.9795										
										3.69998 3.70982 3.71967 3.72951 3.73935								
										REMARKS:								
										Measure for CYL 15.00 mm from Bottom of Skirt.								
										Clearance: 0.591 inch								
										CAUTION!!!: Bore diameter is measured before skirt Surface Treatment. To Determine "Bore" to Diameter, add wall clearance of +0.04mm (0.00157") to maximum Bore Size.								

PISTON BUYER'S GUIDE

Cylinder Wall Clearance is showing Total Diameter, not one side.
EX: -0.04 (Total) / 2 = -0.02 (one side)



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NOA PISTON SPECIFICATION AND PISTON RING # FOR KIT								PISTON DIAMETER MEASURING POINT EXPLANATION					
NOA PISTON PART #	C Y L	PISTON INFORMATION				1ST	PIN	COLOR CODE	-0 (STD)	-1 (0.25)	-2 (0.50)	-3 (0.75)	-4 (1.00)
		BORE	LENGTH	COMP.	DIST.	2ND	LENGTH		mm	mm	mm	mm	mm
						OIL1	DIA.		inch	inch	inch	inch	inch
		mm	mm	mm	mm	OIL2	mm	mm	mm	mm	mm	mm	
		inch	inch	inch	inch		mm	inch	inch	inch	inch	inch	
PAGE #								Tolerance is +/- (mm inch) :					
11-918	4				-								
PISTON RING #		Total Clearance											
		mm	inch										
		-0.03	-0.00118										
Cir Clip													
SURFACE TREATMENT													
Anodized Head													
C17						Moly Skirt							
REMARKS:								Measure for CYL mm from Bottom of Skirt.					
Clearance:								inch					
CAUTION!!!: Bore diameter is measured before skirt Surface Treatment. To Determine "Bore" to Diameter, add wall clearance of +0.04mm (0.00157") to maximum Bore Size.													
11-919	4				-								
PISTON RING #		Total Clearance											
		mm	inch										
		-0.03	-0.00118										
Cir Clip													
SURFACE TREATMENT													
Anodized Head													
C17						Moly Skirt							
REMARKS:								Measure for CYL mm from Bottom of Skirt.					
Clearance:								inch					
CAUTION!!!: Bore diameter is measured before skirt Surface Treatment. To Determine "Bore" to Diameter, add wall clearance of +0.04mm (0.00157") to maximum Bore Size.													
11-920	4				-								
PISTON RING #		Total Clearance											
		mm	inch										
		-0.03	-0.00118										
Cir Clip													
SURFACE TREATMENT													
Anodized Head													
C17						Moly Skirt							
REMARKS:								Measure for CYL mm from Bottom of Skirt.					
Clearance:								inch					
CAUTION!!!: Bore diameter is measured before skirt Surface Treatment. To Determine "Bore" to Diameter, add wall clearance of +0.04mm (0.00157") to maximum Bore Size.													
11-9000	4	82.500 3.248	50.60 1.992	30.60 1.205	-	5.50 0.217	1.20 0.047	56.00 2.205					
PISTON RING #		Total Clearance					1.50						
		mm	inch				0.059						
SWL03461		-0.03	-0.00118				2.00	21.00					
							0.079	0.827					
Cir Clip													
SURFACE TREATMENT													
NONE													
T01						Moly Skirt							
REMARKS:								Measure for CYL 5.40 mm from Bottom of Skirt.					
Clearance:								0.213 inch					
CAUTION!!!: Bore diameter is measured before skirt Surface Treatment. To Determine "Bore" to Diameter, add wall clearance of +0.04mm (0.00157") to maximum Bore Size.													