



ENGINE VALVE for MOTORCYCLE

AKT

VEHICLE MODEL	IN/EX	DOKURO No.	
AKT110	IN	ICM-0904	
	EX	ECM-5904	
AKT125	IN	ICM-0905	
	EX	ECM-5905	



ENGINE VALVE for MOTORCYCLE

BAJAJ

VEHICLE MODEL	IN/EX	DOKURO No.	
	IN	IMC-0901	
	EX	EMC-5901	
	IN	IMC-0903	
	EX	EMC-5903	
PULSAR 200/ 220	IN	IMC-0906	
	EX	EMC-5906	
PULSAR 135	IN	IMC-0907	
	EX	EMC-5907	



DAIHATSU/PERODUA

VEHICLE MODEL	Year	ENGINE TYPE	CYL No.	IN EX	DOKURO No.	Head Dia.	Stem Dia.	Overall Length	Seat Angle	Head Style	Stem End
CONSORTE/TAFT 1000CC EP30,F10/40	64~77	FE	4	IN	IDH-0002	32.00	7.00	95.00	45°	ST	CG
				EX	EDH-5002	29.00	7.00	95.00	45°	FR	CG
DELTA 2530CC DV2#/3#	69~77	DG	4	IN	IDH-0003	40.00	9.00	136.20	45°	ST	CG
				EX	EDH-5003	33.00	9.00	136.20	45°	F	CG
HIJET/CHARADE 547/1000CC S4# /5# /6# /7# G10/11/100	77~	AB/CB	3/4	IN	IDH-0004	36.00	7.00	101.60	45°	F	CG
				EX	EDH-5004	33.00	7.00	101.60	45°	ST	CG
DELTA 2530CC DV26/36	77~	DG	4	IN	IDH-0005	40.00	9.00	127.60	45°	F	MG
				EX	EDH-5005	33.00	9.00	127.70	45°	F	MG
DELTA 2500/2800CC BUS TAFT DV2# /3# ,SV18/26/32 F50/60	67	DG/DL	4	IN	IDH-0006	40.00	9.00	127.60	45°	F	CG
				EX	EDH-5006	33.00	9.00	127.60	45°	F	CG
CHARADE 993CC G30/G101	82~	CL	3	IN	IDH-0007	36.00	7.00	104.90	45°	ST	CG
				EX	EDH-5007	32.00	7.00	105.10	45°	F	CG
DELTA 2800CC V5#	85~	DL	4	IN	IDH-0008	42.00	9.00	127.60	45°	F	CG
					IDH-0011	42.00	9.00	127.60	45°	F	CG
				EX	EDH-5008	35.00	9.00	127.60	45°	F	CG
					EDH-5011	35.00	9.00	127.60	45°	F	CG
					EDH-5012	35.00	9.00	127.60	45°	F	CG
					EDH-5012	35.00	9.00	127.60	45°	F	CG
CHARADE 1300CC APPLAUSE 1600CC FEROZA KEMBARA G101/A101	89~	HC HD Ⓟ	4	IN	IDH-0010	30.00	6.60	112.60	45°	F	CG
				EX	EDH-5010	26.00	6.60	114.80	45°	F	CG
KANCIL 660CC L200		EF-CL	3	IN	IDH-0013	30.00	7.00	112.50	45°	F	CG
				EX	EDH-5013	26.00	7.00	112.60	45°	F	CG



DAIHATSU/PERODUA

VEHICLE MODEL	Year	ENGINE TYPE	CYL No.	IN EX	DOKURO No.	Head Dia.	Stem Dia.	Overall Length	Seat Angle	Head Style	Stem End
CHARADE 1000CC INNOCENTI MINI		CB	3	IN	IDH-0014	30.00	6.00	107.00	45°	ST	CG
				EX	EDH-5014	26.00	6.00	107.20	45°	ST	CG
KANCIL 660CC EL201 850CC		EF-CL ED	3	IN	IDH-0015	34.00	7.00	111.20	45°	ST	CG
				EX	EDH-5015	28.00	7.00	110.40	45°	FR	CG
MOVE STORIA SIRION KENALI KELISA MYVI VIVA TREVIS	97~	EJ ⑫	3	IN	IDH-0016	24.50	5.00	79.20	45°	ST	CG
				EX	EDH-5016	21.00	5.00	79.80	45°	ST	CG
HIJET 660CC ATRAI		EF ⑫	3	IN	IDH-0017	34.00	7.00	105.00	45°	F	CG
				EX	EDH-5017	30.00	7.00	105.10	45°	FR	CG
TERIOS 1300CC YRV ATRAI CARGO	02~	K3-VE ⑯	4	IN	IDH-0018	26.00	5.00	88.20	45°	FR	CG
				EX	EDH-5018	22.60	5.00	89.20	45°	FR	CG
HIJET 660CC	99~	EF-SE ⑫	3	IN	IDH-0019	33.00	5.50	90.00	45°	ST	CG
				EX	EDH-5019	26.00	5.50	90.00	45°	ST	CG
HIJET TURBO KELISA	02~	EF-DET ⑫	3	IN	IDH-0020	25.00	5.50	110.00	45°	ST	CG
				EX	EDH-5020	21.50	5.50	111.20	45°	ST	CG
VIVA/XENIA (Malaysia spec) (Power Up type)		EJ-VE ⑫		IN	IDH-0022	25.50	5.00	79.20	45°	ST	CG
				EX	EDH-5022	22.00	5.00	79.90	45°	ST	CG
MYVY 1300CC (Malaysia spec) 1500CC (Power Up type) BE-GO/RUSH AVANZA GRAN MAX TOWNACE (JPN) TERIOS MATERIA COO		K3-VE 3SZ-VE ⑯		IN	IDH-0021	27.80	5.00	88.20	45°	FR	CG
				EX	EDH-5021	23.40	5.00	89.00	45°	FR	CG
MOVE MIRA HI JET 660CC	06~	KF-VE ⑫	3	IN	IDH-0023	24.00	5.00	74.90	45°	FR	CG
				EX	EDH-5023	22.00	5.00	76.40	45°	FR	CG
COPEN CHARADE KELISA 660CC	02~	JB-DET ⑯	4	IN	IDH-0024	22.00	4.50	93.00	45°	FR	CG
				EX	EDH-5024	18.60	4.50	94.90	45°	FR	CG
SIRION CUORE (Europe) CHARADE (Europe) AYGO 1000CC	10~	1KR-FE ⑫	3	IN	ITY-0639	27.50	5.00	88.35	45°	FR	CG
				EX	ETY-5639	23.60	5.00	89.10	45°	FR	CG



HINO

VEHICLE MODEL	Year	ENGINE TYPE	CYL No.	IN EX	DOKURO No.	Head Dia.	Stem Dia.	Overall Length	Seat Angle	Head Style	Stem End
TRUCK/BUS 7700CC RD35,ZC34	57~	DS50 DS60 DS140	6	IN	IHN-0051	53.00	11.00	161.40	60°	F	ITG
				EX	EHN-5051	45.00	11.00	161.20	45°	F	ITG
TRUCK/BUS 7000CC KC320/420,KE102/202 TE120/220,BT51/61/220	63~	DS70/80 DS90	6	IN	IHN-0052	50.00	10.00	157.00	60°	F	ITG
				EX	EHN-5052	43.00	10.00	157.00	45°	F	ITG
BUS 10178CC RC300/320/400/420	67~	DK10/20	6	IN	IHN-0053	57.00	12.00	175.00	60°	F	ITG
				EX	EHN-5053	51.00	12.00	175.50	45°	F	ITG
TRUCK/BUS 9036CC KB380/TC30	67~	EB100 EB200	6	IN	IHN-0054	54.00	11.70	175.00	60°	FR	ITG
				EX	EHN-5054	48.00	11.70	175.00	45°	F	ITG
TRUCK/BUS 5871CC KL3# /4# ,AM100/200	70~	EC100	6	IN	IHN-0055	46.50	9.00	132.50	45°	FR	CG
				EX	EHN-5055	37.70	9.00	132.50	45°	F	CG
TRUCK 13804CC KE700	71~	EF100 EG100	6 8	IN	IHN-0056	53.90	12.00	170.00	45°	F	2CG
				EX	EHN-5056	52.00	12.00	170.00	45°	F	2CG
TRUCK/BUS 4300CC RM/EM/HM/KM	64~	DM100 DQ100	6	IN	IHN-0057	43.70	9.00	137.80	45°	F	ITG
				EX	EHN-5057	36.20	9.00	137.80	45°	F	ITG
TRUCK 11581CC	71~	ED100	6	IN	IHN-0058	58.00	12.00	174.70	45°	F	ITG
				EX	EHN-5058	52.00	12.00	174.40	45°	F	ITG
TRUCK 11600CC	71~	ED100	6	IN	IHN-0059	58.00	12.00	174.70	45°	F	2CG
				EX	EHN-5059	52.00	12.00	174.40	45°	F	2CG



HINO

VEHICLE MODEL	Year	ENGINE TYPE	CYL No.	IN EX	DOKURO No.	Head Dia.	Stem Dia.	Overall Length	Seat Angle	Head Style	Stem End
TRUCK 5900CC KL520	73~	EH100	6	IN	IHN-0060	49.70	9.00	132.50	45°	F	CG
				EX	EHN-5060	41.70	9.00	132.70	45°	F	CG
TRUCK 6200CC KL541/KR360	74~	EH300	6	IN	IHN-0061	50.00	9.00	133.40	45°	F	CG
				EX	EHN-5061	42.60	9.00	133.00	45°	F	CG
TRUCK 13267CC ZY/KY	80~	EK100 EK200	6	IN	IHN-0062	57.00	12.00	172.00	60°	F	2CG
				EX	EHN-5062	53.00	12.00	172.20	45°	F	2CG
TRUCK/BUS 16300CC KB/KF	81~	EF550 EF750 K13D	6 8	IN	IHN-0063	57.00	12.00	170.00	60°	F	CG
				EX	EHN-5063	53.00	12.00	170.00	45°	F	CG
TRUCK 9800CC KB	70~	EB300	6	IN	IHN-0064	54.00	12.00	175.30	60°	F	2CG
				EX	EHN-5064	48.00	12.00	175.30	45°	F	2CG
TRUCK/BUS 14232CC 14779CC 15920CC 19900CC ZM	75~	EF300 EF500 EF700 EV700	8	IN	IHN-0065	56.00	12.00	169.00	60°	F	CG
	76~ 76~ 82~			EX	EHN-5065	52.00	12.00	169.00	45°	F	CG
TRUCK/BUS 13800CC 14900CC KA/KF/TC/ZM	71~	EF100 EG100	6 8	IN	IHN-0066	54.00	12.00	167.70	45°	F	2CG
				EX	EHN-5066	50.00	12.00	167.70	45°	F	2CG
TRUCK/BUS 9491CC FH/RV	81~	EM100	6	IN	IHN-0067	54.00	10.00	145.00	60°	F	CG
				EX	EHN-5067	48.00	10.00	144.00	45°	F	CG



HINO

VEHICLE MODEL	Year	ENGINE TYPE	CYL No.	IN EX	DOKURO No.	Head Dia.	Stem Dia.	Overall Length	Seat Angle	Head Style	Stem End
TRUCK/BUS 6433CC FT/FD/CD	78~	EH700	6	IN	IHN-0068	48.00	9.00	142.00	60°	F	CG
				EX	EHN-5068	42.00	9.00	142.00	45°	F	CG
				EX	EHN-5069	41.30	9.00	142.00	45°	F	CG
TRUCK 8800CC FN/FR	81~	EP100	6	IN	IHN-0070	50.00	10.00	145.00	60°	F	CG
				EX	EHN-5070	46.40	10.00	145.00	45°	F	CG
BUS 11600CC RC	78~	ER100 ER200	6	IN	IHN-0071	55.00	12.00	162.40	60°	F	CG
				EX	EHN-5071	51.00	12.00	162.40	45°	F	CG
TRUCK 7862CC FG/LB/KK	78~	EL100	6	IN	IHN-0072	50.00	10.00	144.50	60°	F	CG
				EX	EHN-5072	46.40	10.00	144.50	45°	F	CG
TRUCK 9800CC KB/RE	71~	EB300 EB400	6	IN	IHN-0073	53.00	12.00	175.00	60°	F	CG
				EX	EHN-5073	47.00	12.00	175.00	45°	F	CG
TRUCK 4000CC 5800CC	83~	W04D W06D	4 6	IN	IHN-0074	45.40	9.00	123.10	60°	F	CG
				EX	EHN-5074	40.00	9.00	123.00	45°	F	CG
TRUCK		H07C	6	IN	IHN-0076	47.90	9.00	134.70	60°	F	CG
				EX	EHN-5076	41.30	9.00	134.30	45°	F	CG
TRUCK		DS56	6	IN	IHN-0077	50.00	11.00	161.30	45°	F	ITG
RANGER 8000CC	98~	J05C J07 J08C		IN	IHN-0078	39.00	7.00	133.00	45°	F	CG
				EX	EHN-5078	37.00	7.00	132.20	45°	F	CG



HINO

VEHICLE MODEL	Year	ENGINE TYPE	CYL No.	IN EX	DOKURO No.	Head Dia.	Stem Dia.	Overall Length	Seat Angle	Head Style	Stem End
TRUCK 11000CC FN/FH/FP FS/FW/GN	90~	P09C(T) P11C(T)	6	IN	IHN-0079	40.90	8.00	155.50	60°	F	CG
				EX	EHN-5079	39.90	8.00	155.40	45°	F	CG
TRUCK 20000CC FN/FR/FS FU/FW/FY SH	92~	F20C	V8	IN	IHN-0080	48.90	10.00	159.70	60°	F	CG
				EX	EHN-5080	46.90	10.00	159.40	45°	F	CG
TRUCK FH/FN FP/FQ/FR/FS	89~	K13CT (12)	6	IN	IHN-0081	45.85	9.00	159.10	60°	F	CG
				EX	EHN-5081	44.90	9.00	158.90	45°	F	CG
DUTRO 4000CC	03~	N04C	4	IN	IHN-0082	34.00	7.00	122.60	45°	F	CG
				EX	EHN-5082	30.00	7.00	128.90	45°	FR	CG



HONDA

VEHICLE MODEL	Year	ENGINE TYPE	CYL No.	IN EX	DOKURO No.	Head Dia.	Stem Dia.	Overall Length	Seat Angle	Head Style	Stem End
CIVIC 1200CC 1300CC SK/SL/SP/SS SG/SH/SC/SF	78~	ED EE EB 5 EN	4	IN	IHO-0102	36.00	6.60	109.50	45°	ST	PG
				EX	EHO-5102	32.00	6.60	109.50	45°	F	PG
				EX	EHO-5116	32.00	6.60	110.20	45°	ST	PG
CIVIC 1500CC SF/SE/VB/SR	79~	EC ED EF EJ ⑫	4	IN	IHO-0103	35.00	6.60	112.80	45°	ST	PG
				AU	IHO-0133	12.00	6.60	97.80			
				EX	EHO-5103	28.00	6.60	113.00	45°	ST	PG
CIVIC 1200CC SB1	73~	EB-1 EB-2 ⑫	4	IN	IHO-0104	34.00	6.60	112.70	45°	ST	PG
				AU	IHO-0130	12.00	5.50	81.90			
				AU	IHO-0131	12.00	5.50	88.50			
				EX	EHO-5104	30.00	6.60	112.70	45°	F	PG
				EX	EHO-5112	28.00	6.60	113.00	45°	F	PG
				EX	EHO-5113	28.00	6.60	113.70	45°	ST	PG
ACCORD PRELUDE SH/SU/SY	78~	EK ⑫	4	IN	IHO-0106	34.00	7.00	113.20	45°	ST	CG
				AU	IHO-0132	12.00	6.60	89.60			
				EX	EHO-5106	28.00	7.00	113.20	45°	F	CG
				EX	EHO-5114	28.00	7.00	113.70	45°	ST	CG
TN550 ACTY JT/TA	79~	EH	2	IN	IHO-0108	38.00	6.60	102.40			MG
				EX	EHO-5108	32.00	6.60	101.30			PG
ACCORD PRELUDE QUINTET SV/SU/SY	80~	EP ⑫	4	IN	IHO-0109	35.00	7.00	113.40	45°	ST	CG
				AU	IHO-0134	12.00	6.60	93.70			
				EX	EHO-5109	28.00	7.00	113.10	45°	F	CG
				EX	EHO-5120	28.00	7.00	113.80	45°	F	CG



HONDA

VEHICLE MODEL	Year	ENGINE TYPE	CYL No.	IN EX	DOKURO No.	Head Dia.	Stem Dia.	Overall Length	Seat Angle	Head Style	Stem End
CIVIC 1500CC ACCLAIM	82~	EJ EM	4	IN	IHO-0110	35.00	6.60	114.30	45°	ST	PG
				AU	IHO-0136	12.00	6.60	94.00			
				AU	IHO-0137	12.00	6.60	94.00			
		EX		EHO-5110	28.00	6.60	114.50	45°	F	PG	
SL/SP/ST/SR		Ⓙ									
ACCORD 1800CC PRELUDE	82~	EK	4	IN	IHO-0111	36.00	7.00	113.40	45°	ST	CG
				AU	IHO-0138	12.00	6.50	97.00			
				EX	EHO-5111	30.00	7.00	113.90	45°	ST	CG
SH/SZ/SN		Ⓙ									
ACCORD 1800CC PRELUDE 1600CC	83~	ES EY	4	IN	IHO-0112	30.00	6.60	120.50	45°	ST	CG
	83~			AU	IHO-0139	12.00	6.60	96.70			
				EX	EHO-5119	35.00	7.00	120.80	45°	ST	CG
AB/AC/AD		Ⓙ									
ACCORD 1800CC	82~	EK	4	EX	EHO-5122	35.00	7.00	121.50	45°	ST	CG
					EHO-5125	33.10	6.60	113.80	45°	ST	CG
CIVIC 1300CC TRIUMPH 1500CC CRX	83~	EV EW	4	IN	IHO-0121	27.00	6.60	112.80	45°	ST	CG
				EX	EHO-5121	32.00	6.60	114.00	45°	ST	CG
AG/AK/AJ/AE/AH		Ⓙ									
CIVIC 1300CC TRIUMPH 1500CC CRX	84~	EV EW	4	IN	IHO-0123	30.00	6.60	112.80	45°	ST	CG
				AU	IHO-0141	12.00	6.60	89.20			
				EX	EHO-5123	29.00	6.60	114.00	45°	ST	CG
AG/AK/AJ/SE/AH		Ⓙ									
ACURA INTEGRA PRELUDE ACCORD	84~	A16 A18 A20	4	IN	IHO-0122	26.00	6.60	120.50	45°	ST	CG
					IHO-0128	30.00	6.60	104.40	45°	ST	CG
				EX	EHO-5128	27.00	6.60	104.60	45°	ST	CG
		Ⓙ									
ACCORD PRELUDE LEGEND	87~	C20A C27A	6	IN	IHO-0124	33.00	6.60	104.50	45°	FR	CG
				EX	EHO-5129	28.00	6.60	105.90	45°	ST	CG
		Ⓙ									
INTEGRA 1600CC CIVIC	88~	ZC	4	IN	IHO-0126	29.00	5.50	115.10	45°	ST	CG
				EX	EHO-5126	25.00	5.50	118.80	45°	F	CG
without VTEC		Ⓙ									
CIVIC 1300CC CIVIC 1500CC	88~	D13 D15	4	IN	IHO-0124	33.00	6.60	104.50	45°	FR	CG
				EX	EHO-5124	27.00	6.60	106.60	45°	ST	CG



HONDA

VEHICLE MODEL	Year	ENGINE TYPE	CYL No.	IN EX	DOKURO No.	Head Dia.	Stem Dia.	Overall Length	Seat Angle	Head Style	Stem End	
CITY JAZZ AA/VF	1200CC	84~	ER	4	IN	IHO-0127	30.00	6.60	118.00	45°	ST	PG
					EX	EHO-5127	24.00	6.60	117.00	45°	F	PG
ACCORD CB/CD	1800CC 2000CC	89~	F18 F20	4	IN	IHO-0701	32.00	5.50	112.00	45°	FR	CG
					EX	EHO-5701	27.00	5.50	123.50	45°	ST	CG
ACCORD PRELUDE	2200CC	92~	F22A	4	IN	IHO-0704	34.00	5.50	112.20	45°	ST	CG
					EX	EHO-5707	29.10	5.50	123.50	45°	ST	CG
						EHO-5704	29.00	5.50	124.00	45°	ST	CG
ACCORD PRELUDE	2200CC 2300CC	92~	F22 F23	4	IN	IHO-0706	34.00	6.60	103.60	45°	ST	CG
					EX	EHO-5706	29.00	6.60	102.80	45°	ST	CG
DEL SOL CIVIC with VTEC	1600CC	95~	B16A	4	IN	IHO-0708	33.00	5.50	102.40	45°	ST	CG
					EX	EHO-5708	28.00	5.50	102.60	45°	ST	CG
CIVIC with VTEC	1600CC	92~	D16	4	IN	IHO-0709	30.00	5.50	118.50	45°	ST	CG
					EX	EHO-5709	26.00	5.50	116.00	45°	ST	CG
ACCURA LEGEND 3200CC			C32	V6	IN	IHO-0710	33.10	5.50	114.90	45°	ST	CG
					EX	EHO-5710	28.00	5.00	117.80	45°	ST	CG
ACCORD ODYSSEY with VTEC	2000CC 2200CC	94~	F20/22	4	IN	IHO-0711	34.00	5.50	116.10	45°	ST	CG
					EX	EHO-5711	29.00	5.50	114.30	45°	ST	CG
					EX	EHO-5712	29.00	5.50	115.00	45°	T	CG
CIVIC with VTEC	1500CC	92 ~95	D15	4	IN	IHO-0713	27.50	5.50	120.00	45°	ST	CG
					EX	EHO-5713	23.50	5.50	117.50	45°	ST	CG
CIVIC JAZZ without VTEC	1600CC	94~	D16 D17	4	IN	IHO-0714	30.00	5.50	118.60	45°	ST	CG
					EX	EHO-5714	26.00	5.50	116.00	45°	ST	CG
ACCORD U.S.A	2700CC	96~	C27	V6	IN	IHO-0715	33.00	6.60	104.50	45°	ST	CG
					EX	EHO-5715	27.50	6.60	106.50	45°	ST	CG
CR-V STEPWGN	2000CC	97~	B20B	4	IN	IHO-0716	31.00	6.50	105.50	45°	ST	CG
					EX	EHO-5716	28.00	6.50	106.00	45°	ST	CG



HONDA

VEHICLE MODEL	Year	ENGINE TYPE	CYL No.	IN EX	DOKURO No.	Head Dia.	Stem Dia.	Overall Length	Seat Angle	Head Style	Stem End
TN ACTY LIFE	660CC 90~	E07A	3	IN	IHO-0717	23.00	5.50	115.70	45°	ST	CG
				EX	EHO-5717	20.00	5.50	117.70	45°	ST	CG
ACCORD INSPIRE LEGEND ODYSSEY	97~	J30 (24) F22 F23 (16)	V6 4	IN	IHO-0718	34.00	5.50	116.00	45°	ST	CG
				EX	EHO-5718	29.00	5.50	114.30	45°	ST	CG
CR-V STREAM	2000/2400CC 00~	K20A K20AZ (16)	4	IN	IHO-0719	35.00	5.50	109.10	45°	ST	CG
				EX	EHO-5719	29.00	5.50	114.30	45°	ST	CG
ACCORD PRELUDE	2200CC 96~ VTEC	H22A (16)	4	IN	IHO-0720	35.00	5.50	106.80	45°	ST	CG
				EX	EHO-5720	30.00	5.50	107.00	45°	ST	CG
FIT JAZZ	02~ i-DSI	L13A1 (16)	4	IN	IHO-0721	44.20	5.50	108.60	45°	ST	NG
				EX	EHO-5721	37.00	5.50	108.20	45°	ST	NG
FIT JAZZ	02~ VTEC	L15A1 (16)	4	IN	IHO-0722	34.00	5.50	99.10	45°	ST	CG
				EX	EHO-5722	30.00	5.50	100.60	45°	ST	CG
ACURA MDX ACCORD AVANCIER ODYSSEY V6	96~	J30/35 F30 (24)		IN	IHO-0723	35.00	5.50	116.00	45°	ST	CG
				EX	EHO-5723	30.00	5.50	114.20	45°	ST	CG
CR-V ODYSSEY ACURA MDX		K24A (16)		IN	IHO-0725	36.00	5.50	108.75	45°	ST	CG
				EX	EHO-5725	31.00	5.50	108.70	45°	ST	CG
ACURA TL TYPE S ACCORD	98~	J32 J35 (24)	V6	IN	IHO-0724	36.00	5.50	116.95	45°	ST	CG
				EX	EHO-5723	30.00	5.50	114.20	45°	ST	CG
CIVIC CR-V ACCORD CROSSROAD	06~	R18 R20 (16)	4	IN	IHO-0726	32.00	5.50	116.70	45°	ST	CG
				EX	EHO-5714	26.00	5.50	116.00	45°	ST	CG
ACCORD ACURA TL MDX ODYSSEY PILOT CM6/CP3/CG1	07~	J35 J37 (24)	V6	IN	IHO-0727	35.00	5.50	116.10	45°	ST	CG
				EX	EHO-5727	29.95	5.50	114.20	45°	ST	CG
INSIGHT CIVIC HYBRID	09~	LDA LDE (16)	4	IN	IHO-0728	27.95	5.50	118.90	45°	ST	CG
				EX	EHO-5728	23.05	5.50	117.50	45°	ST	CG
PASSPORT	2600CC 3200CC 94~	4ZE1	4	IN	IIS-0197	44.20	8.00	108.60	45°	ST	NG
				EX	EIS-5197	37.00	8.00	108.20	45°	ST	NG
		6VD	V6	IN	IIS-0217	34.00	6.00	99.10	45°	ST	CG
				EX	EIS-5217	30.00	6.00	100.60	45°	ST	CG



ENGINE VALVE for MOTORCYCLE

HONDA

VEHICLE MODEL	IN/EX	DOKURO No.
GL1000/1100 (ACTY)	IN	IHO-0108
	EX	EHO-5108
CB100/CB125S GL100	IN	IHO-2001
	EX	EHO-6030
CB250/CB350	IN	IHO-2002
	EX	EHO-6002
CB650/C	IN	IHO-2003
	EX	
CB750	IN	IHO-2004
	EX	EHO-6004
CB250T/N	IN	IHO-2005
	EX	
CS90 ATC90 / 100	IN	IHO-2007
	EX	EHO-6007
GL500/CX500	IN	IHO-2008
	EX	EHO-6008
CB400T/N	IN	IHO-2009
	EX	EHO-6064
CB750F/C CBX750KZ	IN	IHO-2010
	EX	EHO-6010
GL125/XR200 ATC125/ATC200 XL125/XL125S/XL185/XL200	IN	IHO-2011
	EX	EHO-6011
C70/CD70 (OLD) CD65/CT70 ATC70	IN	IHO-2013
	EX	EHO-6013



ENGINE VALVE for MOTORCYCLE

HONDA

VEHICLE MODEL	IN/EX	DOKURO No.
C50/C70/C90/C700 SS50/CS50 CD70C/ST70	IN	IHO-2017
	EX	EHO-6017
		EHO-6020
CB125 CD125	IN	IHO-2019
	EX	EHO-6019
CB175/CD175 SS110	IN	IHO-2021
	EX	EHO-6021
CG110/CG125	IN	IHO-2027
	EX	EHO-6027
C70/CD70 (NEW) C70Z2/ATC70	IN	IHO-2028
	EX	EHO-6028
XL250/XR250	IN	IHO-2033
	EX	EHO-6033
C90 CUSTOM CD100 ASTREA	IN	IHO-2036
	EX	EHO-6036
C70C/C90 CH80/ELITE	IN	IHO-2037
	EX	EHO-6050
C900/FAME	IN	
	EX	EHO-6037
CB125T/CM200 CD185/CD195/CD200 XR75/XR100/XE75/XL100	IN	IHO-2040 IHO-2041
	EX	EHO-6040
CBX125F	IN	IHO-2042
	EX	EHO-6042
XL500/XR500	IN	IHO-2043
	EX	EHO-6043



ENGINE VALVE for MOTORCYCLE

HONDA

VEHICLE MODEL	IN/EX	DOKURO No.
CH125C/CH150 ELITE150/CH150	IN	IHO-2044
	EX	EHO-6044
CG125M	IN	IHO-2045
	EX	EHO-6045
XL/XR250RF-RH	IN	IHO-2046
	EX	EHO-6046 EHO-6042
XLX250R	IN	IHO-2047
	EX	EHO-6047
GL145	IN	IHO-2048
	EX	EHO-6048
GL125	IN	IHO-2052
	EX	EHO-6052
C50C SPACY50	IN	IHO-2054
	EX	EHO-6050
		EHO-6054
CB250/NIGHTHAWK	IN	IHO-2055
	EX	EHO-6055
XR250 XR600	IN	IHO-2056
	EX	EHO-6056
XR500RE/600RE-RF XR600/XR650/NX650	IN	IHO-2058
	EX	EHO-6058
CB900F CB1100C/F/RC	IN	IHO-2059
	EX	EHO-6059
NX150	IN	IHO-2060
	EX	EHO-6060
CBX200	IN	IHO-2061
	EX	EHO-6061



ENGINE VALVE for MOTORCYCLE

HONDA

VEHICLE MODEL	IN/EX	DOKURO No.
XL350/XR350	IN	IHO-2062
	EX	EHO-6062
XR400	IN	IHO-2063
	EX	EHO-6063
CG150 TITAN 2005	IN	IHO-2065
	EX	EHO-6065
CG125/TITAN 2000	IN	IHO-2066
	EX	EHO-6066
CG125/TODAY/TITAN 1999	IN	IHO-2070
	EX	EHO-6070
TRX200SX	IN	IHO-2071
	EX	EHO-6071
ELITE250 MOD. VLEJO	IN	IHO-2072
	EX	EHO-6072
CRF250	IN	IHO-2073
	EX	EHO-6073
	IN	IHO-2074
	EX	EHO-6074
	IN	IHO-2075
	EX	
	IN	IHO-2076
	EX	EHO-6076
	IN	IHO-2077
	EX	EHO-6077
	IN	IHO-2078
	EX	EHO-6078



ENGINE VALVE FOR INDUSTRIAL EQUIPMENT

MAKER	VEHICLE MODEL	IN/EX	DOKURO No.		
HONDA	GENERATOR G200	IN	IHO-2151		
		EX	EHO-6151		
	GENERATOR G300	IN	IHO-2152		
		EX	EHO-6152		
	GENERATOR G400	IN	IHO-0702		
		EX	EHO-5702		
	GENERATOR CX340	IN	IHO-2153		
		EX	EHO-6153		



ISUZU

VEHICLE MODEL	Year	ENGINE TYPE	CYL No.	IN EX	DOKURO No.	Head Dia.	Stem Dia.	Overall Length	Seat Angle	Head Style	Stem End
ELF 2200CC LUV 2200CC TROOPER 2400CC FLORIAN	71~	C190 C220 C240	4	IN	IIS-0151	38.00	8.00	116.00	45°	F	CG
				EX	EIS-5151	32.00	8.00	116.00	45°	F	CG
KAD40/50 KBD20/25/41/46 TLD23/43/53/63 UBS52/PAD											
ELF 1600CC LUV BELLET	68~	G161	4	IN	IIS-0153	41.00	8.00	109.80	45°	ST	CG
				EX	EIS-5153	32.00	8.00	109.80	45°	F	CG
KB20/KA51/PR50/91,PA20											
ELF 3300CC JOURNEY 5000CC FORWARD 2800CC 3600CC 3200CC 3200CC 3800CC 5400CC 5700CC 6100CC	70~	C330	4	IN	IIS-0154	45.00	9.00	127.80	45°	F	CG
	70~	D500	6								
	73~	4BA1									
	73~	4BB1									
	79~	4BC1									
	79~	4BC2									
	80~	4BD1									
	72~	4BE1		EX	EIS-5154						
	76~	6BB1									
	80~	6BD1 6BF1									
BE20/22,BK/BL BLD/BY/CCM FDR/JBR/KA20 KS/KT/SBR/SCR/SDR TLD/TR/TVD											
LUV 1800CC FLORIAN GEMINI	72~	G180 G200	4	IN	IIS-0155	43.00	8.00	107.50	45°	ST	CG
				EX	EIS-5155	33.00	8.00	107.50	45°	ST	CG



ISUZU

VEHICLE MODEL	Year	ENGINE TYPE	CYL No.	IN EX	DOKURO No.	Head Dia.	Stem Dia.	Overall Length	Seat Angle	Head Style	Stem End
BELLET 1600CC LUV/TROOPER 1800CC IMPUL/PIAZZA 2000CC 117COUPE	66~	G161	4	IN	IIS-0156	42.40	8.00	109.50	45°	ST	NG
	69~			G180	EX	EIS-5156	34.00	8.00	110.90	45°	ST
BELLET 1600CC	80~	G200	4		IN	IIS-0157	38.00	8.00	109.80	45°	F
	63~			G130 G150 G161	EX	EIS-5157	30.00	8.00	108.50	45°	F
TRUCK/BUS 6300CC 6100CC	56~	DA640 DA120	6		IN	IIS-0158	44.00	10.00	144.00	45°	F
	56~			EX	EIS-5158	40.00	10.00	144.00	45°	F	NG
TXD10/60 BA343/BR/BB	66~	DA640 DA120	6	IN	IIS-0159	44.00	10.00	143.80	45°	F	NG
	66~			EX	EIS-5159	40.00	10.00	144.10	45°	F	NG
TRUCK/BUS 6300CC 6100CC 4000CC	73~	DA640 DA120 DA220 DA640T	6	IN	IIS-0160	45.50	10.00	144.00	45°	F	
	73~ 65~			EX	EIS-5160	42.00	10.00	144.00	45°	F	2CG
BA/BR/BF TSD/TWE/TXD SFR/BXD	69~	DA640 DA120	6	IN	IIS-0161	44.10	10.00	144.00	45°	F	2CG
	69~			EX	EIS-5161	40.10	10.00	144.10	45°	F	2CG
TSD/TWD/TXD BXD BA/BF/BR											



ISUZU

VEHICLE MODEL	Year	ENGINE TYPE	CYL No.	IN EX	DOKURO No.	Head Dia.	Stem Dia.	Overall Length	Seat Angle	Head Style	Stem End
TRUCK/BUS 10200CC TD40/90 TP60/70/80	63~	DH100	6	IN	IIS-0162	54.00	12.00	164.00	45°	F	NG
				EX	EIS-5162	48.00	12.00	164.00	45°	F	NG
TRUCK/BUS 10200CC SLR TD/RD/CCH/RH	70~	DH100	6	IN	IIS-0163	54.00	12.00	164.00	45°	F	2CG
				EX	EIS-5163	48.00	12.00	164.00	45°	F	2CG
TRUCK/BUS 9200CC 11000CC 10200CC TD/TDJ BU/CTM	68~ 80~ 80~	D920 E110 6QA1	6	IN	IIS-0164	56.00	12.00	163.00	60°	F	2CG
				EX	EIS-5164	51.00	12.00	163.00	60°	F	2CG
TRUCK/BUS 12000CC SPG/SPK/SPM/SPR TG/TMK/BU/CPA	73~	E120 6RA1 6RB1	6	IN	IIS-0165	47.00	10.00	164.00	45°	F	CG
					IIS-0177	46.00	11.00	165.40	60°	F	CG
				EX	EIS-5165	45.00	11.00	164.00	45°	F	CG
TRUCK/BUS 12000CC BUK/VPZ	75~	E120	6	IN	IIS-0166	47.00	11.00	164.00	45°	F	2CG
				EX	EIS-5166	45.00	11.00	164.00	45°	F	2CG



ISUZU

VEHICLE MODEL	Year	ENGINE TYPE	CYL No.	IN EX	DOKURO No.	Head Dia.	Stem Dia.	Overall Length	Seat Angle	Head Style	Stem End
TRUCK/BUS 8000CC	76~	8 PA 1	8	IN	IIS-0167	48.00	10.00	159.00	45°	F	CG
TRACTOR 10000CC		10 PA 1	10								
12000CC		12 PA 1	12								
SKS/SKW/SVZ/SRG VTR/VTZ/VVR/CXZ/CXM		8 PB 1	8	EX	EIS-5167						
		10 PB 1	10								
		12 PB 1	12								
	12 PC 1	12									
TRACTOR 16500CC	70~	V170	8	IN	IIS-0168	49.00	11.00	162.00	60°	F	2CG
TV30ES/TV30ZE/TV40ZB				EX	EIS-5168	45.00	11.00	162.00	60°	F	2CG
TRUCK/BUS 4000CC	65~	D400	6	IN	IIS-0169	43.00	9.00	127.80	45°	F	CG
TY20/40/BY30				EX	EIS-5169	35.00	9.00	128.00	45°	F	CG
LUV 1600CC	80~	G161	4	IN	IIS-0170	40.40	8.00	110.70	45°	ST	NG
FASTER 1800CC		G180		EX	EIS-5170						
KB 2000CC		G200									
GEMINI 1800CC	82~	4 FB 1	4	IN	IIS-0171	38.90	8.00	132.30	45°	F	CG
ASKA 2000CC	82~	4 FC 1		EX	EIS-5171						
WFR 2200CC	83~	4 FD 1									
JJ/WFR/PFD						34.00	8.00	132.20	45°	F	CG
JOURNEY 2000CC	71~	C190	4	IN	IIS-0172	40.00	8.00	115.90	45°	F	CG
TROOPER 2200CC	79~	C223									
ELF 2400CC	69~	C240		EX	EIS-5172						
LUV											
PAD/UBS/KAD/TLD						34.00	8.00	116.00	45°	F	CG
TRUCK 6100CC	56~	DA120	6	IN	IIS-0179	44.00	10.00	140.20	45°	F	RC/PG
TWD				EX	EIS-5179	40.00	10.00	140.00	45°	F	RC/PG
ELF 2000CC	78~	G200	4	IN	IIS-0180	42.00	8.00	115.80	45°	ST	CG
TLG				EX	EIS-5180	34.00	8.00	115.80	45°	F	CG
FARGO 1600CC	81~	4 ZA 1	4	IN	IIS-0183	40.30	8.00	110.70	45°	F	NG
ASKA 1800CC	81~	4 ZB 1		EX	EIS-5183						
JJ110/WFR10											



ISUZU

VEHICLE MODEL	Year	ENGINE TYPE	CYL No.	IN EX	DOKURO No.	Head Dia.	Stem Dia.	Overall Length	Seat Angle	Head Style	Stem End
TRUCK 6500CC ETR12/FSR12 LT312/LR312	84~	6BG1	6	IN	IIS-0184	46.00	9.00	127.90	45°	F	CG
				EX	EIS-5184	37.50	9.00	127.80	45°	F	CG
				EX	EIS-5199	37.50	9.00	127.90	45°	F	CG
ASKA IMPULSE TROOPER JJ120	83~	4ZC1 4ZD1	4	IN	IIS-0186	42.30	8.00	110.70	45°	F	NG
				EX	EIS-5186	36.00	8.00	110.20	45°	F	NG
GEMINI I-MARK JT190/LN	85~	4XC1 4XE1 ⑯	4	IN	IIS-0190	36.00	7.00	105.20	45°	F	CG
				EX	EIS-5190	31.00	7.00	105.20	45°	F	CG
ELF 2500CC 2700CC NHR54/55 WHR55/TFR55/TES55	84~ 84~	4JA1 4JB1	4	IN	IIS-0192	40.00	8.00	118.20	45°	F	CG
				EX	EIS-5192	35.70	8.00	118.00	45°	F	CG
TROOPER UBS17	88~	4ZE1	4	IN	IIS-0195	44.20	8.00	108.60	45°	ST	NG
				EX	EIS-5195	37.00	8.00	108.20	45°	F	CG
TROOPER 2300CC 2600CC UBS16	86~	4ZD1 4ZE1	4	IN	IIS-0197	44.20	8.00	108.60	45°	ST	NG
				EX	EIS-5197	37.00	8.00	108.20	45°	ST	NG
ELF NKR58	82~ 85~	4FA1 4FE1	4	IN	IIS-0198	31.00	8.00	132.40	45°	F	CG
				EX	EIS-5198	26.00	8.00	132.50	45°	F	CG



ISUZU

VEHICLE MODEL	Year	ENGINE TYPE	CYL No.	IN EX	DOKURO No.	Head Dia.	Stem Dia.	Overall Length	Seat Angle	Head Style	Stem End
GEMINI-D 1500CC JT600	86~	4EC1	4	IN	IIS-0200	34.50	7.00	104.10	45°	F	CG
				EX	EIS-5200	30.60	7.00	104.00	45°	F	CG
ELF 3800CC NPR59	86~	4BD1	4	IN	IIS-0203	45.00	9.00	127.70	45°	F	CG
				EX	EIS-5203	37.50	9.00	127.70	45°	F	CG
FARGO 1995CC WFR51	82~	4FB1 4FC1 4FG1	4	IN	IIS-0205	39.00	8.00	134.30	45°	F	CG
				EX	EIS-5205	34.00	8.00	134.60	45°	F	CG
LUV 2500CC KBD23/TFR54	88~	4JA1 4JC1	4	IN	IIS-0208	38.00	8.00	118.80	45°	F	CG
				EX	EIS-5208	32.00	8.00	118.80	45°	F	CG
ELF 4200CC NPR KPT59	89~	4HF1 6HF1 4HK1	4	IN	IIS-0209	50.00	9.00	141.00	45°	F	CG
				EX	EIS-5209	42.00	9.00	140.50	45°	F	CG
TRUCK 8200CC FTR FVR		6HE1 6HH1	6	IN	IIS-0211	51.00	9.00	141.00	45°	F	CG
				EX	EIS-5211	42.00	9.00	140.80	45°	F	CG
TRUCK 8200CC FTR FVR	92~	6SA1	6	IN	IIS-0210	49.00	10.00	134.00	60°	F	CG
TRUCK 9800CC FVR23D	90~	6SA1 6SD1	6	IN	IIS-0212	48.00	10.00	132.00	45°	F	CG
				IN	IIS-0216	50.00	10.00	132.00	45°	F	CG
				EX	EIS-5212	46.10	10.00	132.00	45°	F	CG
FARGO LUV		4FE1 4FA1	4	IN	IIS-0213	31.00	8.00	134.50	45°	F	CG
				EX	EIS-5213	26.00	8.00	134.30	45°	F	CG
TROOPER V6 DOHC UBS25	91~	6VD1 ②4	6	IN	IIS-0214	34.00	6.00	114.00	45°	ST	CG
				EX	EIS-5214	30.00	6.00	99.50	45°	ST	CG



ISUZU

VEHICLE MODEL	Year	ENGINE TYPE	CYL No.	IN EX	DOKURO No.	Head Dia.	Stem Dia.	Overall Length	Seat Angle	Head Style	Stem End
TRUCK 9800CC	90~	6SA1	6	IN	IIS-0202	49.00	10.00	134.00	60°	F	CG
				EX	EIS-5202	46.00	10.00	132.00	45°	F	CG
TRUCK 17000CC CXH/CXM CXZ	89~	10PD1	10	IN	IIS-0215	50.00	10.00	159.20	45°	F	CG
				EX	EIS-5215	46.10	10.00	159.20	45°	F	CG
TROOPER SOHC 3200CC	91~	6VD1 ②4	V6	IN	IIS-0217	34.00	6.00	99.10	45°	ST	CG
					IIS-0218	34.00	6.00	104.00	45°	ST	CG
				EX	EIS-5217	30.00	6.00	100.60	45°	ST	CG
					EIS-5218	29.00	6.00	103.50	45°	ST	CG
TROOPER D-MAX 3000CC	91~	4JG2	4	IN	IIS-0219	42.20	8.00	117.60	45°	F	CG
				EX	EIS-5219	35.70	8.00	117.00	45°	F	CG
TROOPER 3500CC	98~	6VE1 ②4	V6	IN	IIS-0222	34.00	6.00	103.70	45°	ST	CG
				EX	EIS-5222	29.00	6.00	103.60	45°	ST	CG
BIGHORN WIZARD MU DIESEL TURBO 3100CC	91~	4JG2 4JH1	4	IN	IIS-0221	42.00	8.00	118.50	45°	ST	CG
				EX	EIS-5220	35.80	8.00	117.60	45°	ST	CG
D-MAX PICK UP 2200CC	00~	22LE (C22NE)	4	IN	IIS-0224	41.80	7.00	103.80	45°	ST	CG
				EX	EIS-5224	36.50	7.00	103.50	45°	ST	CG
NPR TRUCK TURBO 4800CC	93~	6HE1 4HE1	4	IN	IIS-0223	46.50	9.00	141.00	60°	F	CG
			6	EX	EIS-5211	42.00	9.00	140.80	45°	F	CG
TRUCK	00~	6SD1	6	IN	IIS-0225	51.00	10.00	133.50	60°	F	CG
				EX	EIS-5212	46.10	10.00	132.00	45°	F	CG
NPR NKR 4300CC	95~	4HF1 4HG1 6HH1	4	IN	IIS-0226	51.00	9.00	141.00	45°	F	CG
			6	EX	EIS-5226	42.00	9.00	140.60	45°	F	CG
MU WIZARD BIGHORN TROOPER	98~	4JX1T	4	IN	IIS-0227	33.00	7.00	98.20	45°	F	CG
				EX	EIS-5227	33.00	7.00	98.15	45°	F	CG
GIGA CV/CX/CY	92~	6WA1	6	IN	IIS-0228	43.10	10.00	187.70	60°	F	CG
				EX	EIS-5228	41.05	10.00	187.70	45°	F	CG
					EIS-5229	42.00	10.00	187.75	45°	F	CG



ISUZU

VEHICLE MODEL	Year	ENGINE TYPE	CYL No.	IN EX	DOKURO No.	Head Dia.	Stem Dia.	Overall Length	Seat Angle	Head Style	Stem End
TRUCK/BUS FORWARD	99~	6HK1T	6	IN	IIS-0232	37.00	8.00	130.60	60°	F	CG
				EX	EIS-5232	36.95	8.00	130.20	45°	F	CG
GIGA TRUCK		6WG1T	6	IN	IIS-0233 IIS-0234	47.85	10.00	187.70	60°	F	CG
				IN	IIS-0235	48.00	10.00	189.30	60°	F	CG
				EX	EIS-5233	45.05	10.00	187.70	45°	F	CG
				EX	EIS-5235	46.10	10.00	189.40	45°	F	CG
ELF NPR NPS	07	4JJ1 4JK1	4	IN	IIS-0236	33.00	7.00	107.50	45°	F	CG
				EX	EIS-5236	30.00	7.00	107.50	45°	F	CG
KL/KK											
CV/CX/CY											



ENGINE VALVE for MOTORCYCLE

KAWASAKI

VEHICLE MODEL	IN/EX	DOKURO No.
Z-1 Z-1A/B KZ900	IN	IKW-2101
	EX	EKW-6101
AN80 (JOY)	IN	IKW-2106
	EX	EKW-6106
AX-1/AN-90 BR100/NEO MAX	IN	IKW-2107
	EX	EKW-6107
KLR250	IN	IKW-2108
	EX	EKW-6108
NINJA250	IN	IKW-2109
	EX	EKW-6109
KZ650/B1-H1	IN	IKW-2110
	EX	EKW-6110
KZ1000/A1-E1	IN	IKW-2111
	EX	EKW-6111
KZ750/E1-H3	IN	IKW-2112
	EX	
KZ1100/A1-L1 KZ1000/J1-R1	IN	IKW-2113
	EX	EKW-6113
KLR-250	IN	IKW-2114
	EX	EKW-6114
ZEPHYR 1100	IN	
	EX	



ENGINE VALVE FOR INDUSTRIAL EQUIPMENT

MAKER	VEHICLE MODEL	DOKURO No.	Dia	Fan	Length	Seat	Groove	DOKURO SPEC
KOMATSU	4D94	IKM-0716	9.00	40.00	134.00	45°	2R	A
		EKM-5716	9.00	35.00	134.00	45°	2R	BSS
	4D95/6D95/S6D95	IKM-0713	8.00	44.00	128.00	45°	1S	AN
		EKM-5713	8.00	38.00	128.00	45°	1S	BN
	6D105	IKM-0712	9.00	47.00	128.00	60°	1R	A
		EKM-5712	9.00	41.00	148.50	45°	1R	BS
	6D102 S6D102	IKM-0721	8.00	45.00	129.20	60°	1R+	
		EKM-5721	8.00	42.00	128.00	45°	1R+	
	S4D106-2	IYM-0902	9.00	44.50	126.00	60°	1S	
		EYM-5902	9.00	39.00	126.00	45°	1S	
	YANMAR 6D105	IKM-0703	10.00	46.00	145.50	60°	1R	A
		EKM-5703	10.00	40.00	145.50	45°	1R	BSN
	S6D105	IKM-0712	9.00	47.00	148.50	60°	1R	A
		EKM-5712	9.00	41.00	148.50	45°	1R	BS
	SAD110	IKM-0714	9.00	50.00	148.50	60°	1R	AN
		EKM-5714	9.00	44.00	148.50	45°	1R	BSN
	4D120	IKM-0707	11.00	53.00	172.00	45°	1R	A
		EKM-5707	11.00	49.00	173.00	45°	1R	BS
	6D125	IKM-0715	9.00	45.00	169.50	60°	1R	AN
		EKM-5715	9.00	44.00	169.50	45°	1R	BSN
	6D130	IKM-0706	10.00	44.00	179.50	60°	2R	AN
		EKM-5706	10.00	44.00	179.50	60°	2R	BS
	SAD95L	IKM-0718	8.00	44.00	128.00	60°	1R	AN
		EKM-5718	8.00	38.00	128.00	45°	1R	BSN
	6D140	IKM-0720	10.00	52.00	169.20	60°	1R	A
		EKM-5720	10.00	50.00	169.20	45°	1R	BS
	S6D155	IKM-0701	11.00	56.00	212.50	60°	1R	A
		EKM-5701	11.00	53.00	213.00	45°	1R	BS
	SD170	IKM-0717	12.00	57.00	196.50	60°	1R	A
		EKM-5717	12.00	56.00	196.50	45°	1R	BSN
	D130	IKM-0702	11.00	53.00	172.00	60°	1R	A
		EKM-5702	11.00	49.00	173.00	45°	1R	BS
	D105	IKM-0705	10.00	46.00	150.00	60°	2R	A
		EKM-5705	10.00	40.00	150.00	45°	2R	BS
	A855	IKM-0704	12.00	49.00	180.00	60°	2R	A
		EKM-5704	12.00	47.00	180.00	60°	2R	BS
	S6D125	IKM-0719	9.00	45.00	169.50	60°	1R	AN
		EKM-5719	9.00	44.00	169.50	45°	1R	BSN



MAZDA

VEHICLE MODEL	Year	ENGINE TYPE	CYL No.	IN EX	DOKURO No.	Head Dia.	Stem Dia.	Overall Length	Seat Angle	Head Style	Stem End
PROCEED 1500CC	60~	UA	4	IN	IMZ-0251	37.50	9.10	114.50	45°	ST	CG
BUG61/DUC				EX	EMZ-5251	30.00	9.00	115.00	45°	ST	CG
FAMILIA (323) 1500CC	66~	UB UC	4	IN	IMZ-0252	38.00	8.00	107.80	45°	ST	CG
				EX	EMZ-5252	32.00	8.00	106.40	45°	F	CG
FAMILIA (323) 1000CC	68~	PB	4	IN	IMZ-0254	31.90	7.00	107.80	45°	ST	CG
BONGO (E1000) SPA/FPA				EX	EMZ-5254	27.50	7.00	98.60	45°	F	CG
FAMILIA (323) 1200CC	68~	TA TB	4	IN	IMZ-0255	34.00	7.10	108.00	45°	ST	CG
BT55/65				EX	EMZ-5255	29.00	7.00	98.70	45°	F	CG
FAMILIA (323) 1000CC	70~	PC	4	IN	IMZ-0256	35.00	8.00	106.20	45°	ST	CG
PRESTO SPC,FA3				EX	EMZ-5256	30.00	8.00	103.30	45°	ST	CG
FAMILIA (323) 1300CC	70~	TC UC E3 E5	4	IN	IMZ-0257	36.00	8.00	105.50	45°	ST	CG
LASER 1500CC	78~										
BONGO	80~										
	80~					EX	EMZ-5257	31.00	8.00	103.50	45°
BD/FA/ST/BTA SS											
CAPELLA 2000CC	77~	MA VB VC NA	4	IN	IMZ-0258	42.00	8.10	108.40	45°	ST	CG
(808/626) 1800CC	69~										
LUCE (929)											
COSMO (121) 1600CC	70~			EX	EMZ-5258	33.00	8.10	107.00	45°	ST	CG
T2000/B2000 B1600/E1600 B1800/B1800 COURIER											
LUCE DIESEL 2200CC	79~	S2	4	IN	IMZ-0259	40.50	8.00	114.50	45°	F	CG
E2200/B2200 2500CC	67~	XA ZB	6		EMZ-5259	35.50	8.00	114.50	45°	F	CG
E2500/T2500 4000CC	72~			EX	EMZ-5266	36.00	8.00	114.70	60°	F	CG
T4100											
E2000 2000CC	71~	VA	4	IN	IMZ-0260	39.50	8.00	112.50	45°	ST	CG
T2000				EX	EMZ-5260	30.00	8.00	112.50	45°	F	CG
E3000 3000CC	77~	HA	4	IN	IMZ-0263	45.00	9.00	114.60	45°	F	CG
T3000				EX	EMZ-5263	37.40	9.00	114.60	60°	F	CG



MAZDA

VEHICLE MODEL	Year	ENGINE TYPE	CYL No.	IN EX	DOKURO No.	Head Dia.	Stem Dia.	Overall Length	Seat Angle	Head Style	Stem End
E2000 FORD 2300CC E2300 USA ONLY	77~	WA	4	IN	IMZ-0264	44.10	8.70	121.80	45°	ST	4CG
				EX	EMZ-5264	38.10	8.70	122.20	45°	ST	4CG
CAPELLA (626) 1800CC TELSTAR 2000CC BONGO (E2000) LUCE (929)	82~	F8 FE	4	IN	IMZ-0275	44.00	8.00	112.00	45°	ST	CG
	84~			EX	EMZ-5275	36.00	8.00	111.70	45°	ST	CG
CAPELLA (626) 1600CC TELSTAR	82~	F6	4	IN	IMZ-0277	41.00	8.00	112.00	45°	ST	CG
				EX	EMZ-5277	34.00	8.00	111.80	45°	F	CG
BONGO 2200CC CAPELLA 2000CC	83~	R2 RF	4	IN	IMZ-0278	41.00	8.00	107.00	45°	F	CG
	83~			EX	EMZ-5278	36.00	8.00	106.80	45°	ST	CG
FAMILIA (323) 1100CC LASER 1300CC FESTIVA (121)	89~	B1 B3	4	IN	IMZ-0279	31.00	6.00	105.30	45°	ST	CG
				EX	EMZ-5279	26.20	6.00	105.40	45°	ST	CG
T3500 3500CC	90~94	SL	4	IN	IMZ-0280	45.40	9.00	114.60	45°	F	CG
				EX	EMZ-5280	38.30	9.00	114.60	60°	F	CG
T2500 2500CC	89~	XA	4	IN	IMZ-0281	40.50	9.00	114.60	45°	F	CG
				EX	EMZ-5281	36.10	9.00	114.60	60°	F	CG
FAMILIA (323) 1300CC LASER 1500CC	89~	E3 E5	4	IN	IMZ-0282	36.00	8.00	108.50	45°	F	CG
	89~			EX	EMZ-5282	31.00	8.00	106.50	45°	F	CG
FAMILIA (323) 1500CC LASER 1600CC without TURBO	89~	B5 B6 ⑩	4	IN	IMZ-0283	38.00	7.00	103.90	45°	ST	CG
	89~			EX	EMZ-5283	32.00	7.00	102.70	45°	ST	CG
FAMILIA (323) 1500CC LASER 1600CC with TURBO	89~	B5 B6 ⑩	4	IN	IMZ-0284	31.00	6.00	105.50	45°	ST	CG
	89~			EX	EMZ-5284	26.20	6.00	105.50	45°	ST	CG
CAPELLA (626) 2200CC LUCE (929) MX-9 PROBE	90~	F2	4	IN	IMZ-0285	32.50	7.00	115.90	45°	ST	CG
		IN-⑧ EX-④		EX	EMZ-5285	34.00	7.00	116.30	45°	ST	CG
LUCE (929) 3000CC MPV	90~	JE ⑭	V6	IN	IMZ-0286	33.00	7.00	121.50	45°	ST	CG
				EX	EMZ-5286	38.00	8.00	122.70	45°	ST	CG



MAZDA

VEHICLE MODEL	Year	ENGINE TYPE	CYL No.	IN EX	DOKURO No.	Head Dia.	Stem Dia.	Overall Length	Seat Angle	Head Style	Stem End
B2600 2600CC	90~	G6	4	IN	IMZ-0287	33.30	7.00	112.70	45°	ST	CG
				EX	EMZ-5287	36.00	7.00	113.80	45°	ST	CG
323 LASER	90~	B3 ⑩	4	IN	IMZ-0290	32.00	7.00	105.30	45°	ST	CG
				EX	EMZ-5290	28.00	7.00	104.30	45°	ST	CG
KIA PRIDE	90~	B3 ⑩	4	IN	IMZ-0290	32.00	7.00	105.30	45°	ST	CG
				EX	EMZ-5291	28.00	7.00	104.20	45°	ST	CG
FAMILIA(323) LASER 1600CC	90~	B6 ⑩	4	IN	IMZ-0292	29.60	6.00	103.90	45°	ST	CG
				EX	EMZ-5292	23.50	6.00	105.00	45°	ST	CG
CAPELLA TELSTAR 323 1800CC SOHC	90~	BP ⑩	4	IN	IMZ-0293	30.00	6.00	102.00	45°	ST	CG
				EX	EMZ-5293	25.00	6.00	103.00	45°	ST	CG
MX-5 MIATA ALEGRO 1800CC DOHC	90~	BP ⑩	4	IN	IMZ-0294	33.00	6.00	102.00	45°	ST	CG
				EX	EMZ-5294	28.00	6.00	102.00	45°	ST	CG
323 LASER 1300CC	91~	B3 ⑩	4	IN	IMZ-0296	25.50	6.00	108.30	45°	ST	CG
				EX	EMZ-5296	21.50	6.00	109.30	45°	ST	CG
YALE			4	IN	IMZ-0297	44.00	8.00	112.00	60°	ST	CG
				EX	EMZ-5297	36.00	8.00	111.80	60°	ST	CG
626 2000CC	87~	FE ⑩	4	IN	IMZ-0299	33.70	6.00	103.20	45°	ST	CG
				EX	EMZ-5299	29.00	6.00	104.50	45°	ST	CG
KIA BESTA 2700CC	95-99		4	IN	IMZ-0300	41.00	9.00	114.50	45°	F	CG
				EX	EMZ-5300	35.00	9.00	114.70	45°	F	CG
MS-6 626 2200CC	92~	FS ⑩	4	IN	IMZ-0302	31.50	6.00	90.00	45°	ST	CG
				EX	EMZ-5302	27.60	6.00	90.00	45°	ST	CG
T4000 4000CC	89~	TF	4	IN	IMZ-0303	47.00	9.00	119.70	45°	F	CG
				EX	EMZ-5303	41.00	9.00	119.30	45°	F	CG
E2500 B2500 E2900 2500CC 2900CC	96~	WL W9 IN-⑧ EX-④	4	IN	IMZ-0304	32.70	7.00	111.90	45°	ST	CG
				EX	EMZ-5304	35.00	7.00	111.90	45°	ST	CG



MAZDA

VEHICLE MODEL	Year	ENGINE TYPE	CYL No.	IN EX	DOKURO No.	Head Dia.	Stem Dia.	Overall Length	Seat Angle	Head Style	Stem End
MX-5 MS-8	2500CC DOHC	91~ KL ②4	V6	IN	IMZ-0306	32.00	6.00	94.30	45°	ST	CG
				EX	EMZ-5307	27.60	6.00	95.20	45°	ST	CG
323	1700CC	86~95 PN	4	IN	IMZ-0307	38.00	7.00	101.50	45°	ST	CG
				EX	EMZ-5307	32.00	7.00	101.40	45°	ST	CG
323 PROSTAGE	1500CC	95~ Z5 ⑩6	4	IN	IMZ-0313	27.70	5.50	92.20	45°	ST	CG
				EX	EMZ-5313	24.00	5.50	92.80	45°	ST	CG
B2000 FAMILIA VAN BONGO WAGON DIESEL TURBO	2000CC	87~ RF-T	4	IN	IMZ-0315	39.40	8.00	106.80	45°	ST	CG
				EX	EMZ-5315	35.10	8.00	106.80	45°	ST	CG
323 LASER BHA3P	1300CC	96~ B3ZE ⑩6	4	IN	IMZ-0318	25.50	6.00	103.90	45°	ST	CG
				EX	EMZ-5318	21.50	6.00	105.00	45°	ST	CG
323 LASER BJ5P	1500CC	98~ ZL-VE ZL-DE ⑩6	4	IN	IMZ-0319	29.20	6.00	91.10	45°	ST	CG
				EX	EMZ-5319	21.90	6.00	90.60	45°	ST	CG
MAZDA 3 (AXELA) MAZDA 5 (PREMACY) MAZDA 6 (ATENZA) 2000CC	02~	LF-DE ⑩6	4	IN	IMZ-0323	35.00	5.50	103.50	45°	ST	CG
				EX	EMZ-5323	30.00	5.50	104.70	45°	ST	CG
323 DIESEL 626 DIESEL EURO	2000CC	98~ RF-T RF ⑩6	4	IN	IMZ-0324	29.60	6.00	115.25	45°	ST	CG
				EX	EMZ-5324	25.50	6.00	114.60	45°	ST	CG
MAZDA 2 (DEMIO)	02~	ZY-VE ⑩6	4	IN	IMZ-0325	29.20	5.50	97.20	45°	ST	CG
				EX	EMZ-5325	25.90	5.50	96.70	45°	ST	CG
BT50		WL-C ⑩6	4	IN	IMZ-0327	31.00	6.00	112.00	45°	ST	CG
				EX	EMZ-5327	28.00	6.00	112.00	45°	ST	CG
TRIBUTE FORD ESCAPE		YF-DE	4	IN	IMZ-0328	32.00	6.00	97.20	45°	F	CG
				EX	EMZ-5328	28.00	6.00	96.40	45°	F	CG



MITSUBISHI

VEHICLE MODEL		Year	ENGINE TYPE	CYL No.	IN EX	DOKURO No.	Head Dia.	Stem Dia.	Overall Length	Seat Angle	Head Style	Stem End					
GALANT 1600CC ARROW 1400CC COLT/LANCER	75~	4 G32 4 G33 4 G35 4 G36	4	IN	IMB-0302		38.00	8.00	106.00	45°	ST	MG					
						EX	EMB-5302	31.00	8.00	102.50	45°	F	MG				
A53/L021/A55/A75/T22																	
GALANT 1850CC CANTER 2000CC ROSA/L200 2400CC 1800CC 2000CC	73~	4 G51	4	IN	IMB-0303		43.00	8.00	112.80	45°	ST	NG					
	73~	4 G52															
	75~	4 G53															
	80~	4 G62				EX	EMB-5303	35.00	8.00	111.70	45°	F	NG				
80~	4 G63																
T217/FG30/E15A/33 A114/122/132/163 A57/115/123/133/L022																	
LANCER 1400CC GALANT 1200CC DELICA (L300)	71~	4 G41	4	IN	IMB-0304		37.00	8.00	100.60	45°	F	NG					
	73~	4 G42				EX	EMB-5304	29.00	8.00	100.90	45°	F	NG				
A61/TT120/121/FG14/15																	
LANCER/MIRAGE 1200CC TREDIA/CORDIA 1400CC COLT 1300CC PROTON-SAGA 1500CC	77~	G11	4	IN	IMB-0305		34.00	6.60	102.00	45°	ST	CG					
	78~	G12															
	83~	G13															
	83~	G15				EX	EMB-5305	30.10	6.60	101.00	45°	F	CG				
A141/148/151/155/171 A142/149/156/171 C11/12																	
CANTER/ROSA 2700CC JUPITER/JEEP 4000CC TRUCK	70~	4 DR5	4	IN	IMB-0306		41.00	8.00	124.00	45°	ST	NG					
	70~	6 DR5				6	EX	EMB-5306	32.00	8.00	124.20	45°	F	NG			
FB100/T44/B13#/B360 J24/36/44/J53																	
TRUCK 4700CC BUS 5100CC 5000CC 5400CC	64~	6 DS1	4	IN	IMB-0307		46.00	9.00	137.00	45°	F	CG					
	72~	6 DS3															
	69~	6 DS5															
	72~	6 DS7				EX	EMB-5307	37.00	9.00	137.00	45°	F	MG				
	T62#/63#/65# FK102/B62#																



MITSUBISHI

VEHICLE MODEL		Year	ENGINE TYPE	CYL No.	IN EX	DOKURO No.	Head Dia.	Stem Dia.	Overall Length	Seat Angle	Head Style	Stem End
TRUCK BUS	10000CC	68~	6 DC 2	6	IN	IMB-0308	62.00	12.00	174.50	45°	F	MG
	13000CC		8 DC 2	8								
	18000CC		10 DC 6	10	EX	EMB-5308	50.00	12.00	175.00	45°	F	MG
T800/900/FP FV/K300 B800/MS504												
CANTER	1500CC	62~	4 DQ 3	4	IN	IMB-0309	40.00	8.00	118.00	45°	F	NG
	2000CC	68~	4 DQ 5									
	2700CC	68~	4 DR 1	EX	EMB-5309	31.00	8.00	118.00	45°	F	NG	
T720/T90/92/94												
CANTER ROSA	2600CC	70~	KE42 KE47	4	IN	IMB-0310	43.00	8.70	108.70	45°	F	NG
TRUCK BUS	6000CC	74~	6 D10	4	IN	IMB-0311	47.00	9.00	137.00	45°	F	NG
	6700CC	74~	6 D11	6								
	6600CC	75~	6 D14T 6 D16T 4 D30 4 D33	EX	EMB-5311	40.00	9.00	137.10	45°	F	NG	
T654/FK103/104 MM504/MK103												
TRUCK BUS	8600CC	65~	6 DB 1	4	IN	IMB-0312	53.00	12.00	176.50	45°	F	MG
	11400CC		6 DB 6	6								
			8 DB 4 D31T	8	EX	EMB-5312	45.00	12.00	176.50	45°	F	MG
T330/480 4K100/120 B820/MR410												
CANTER TRUCK	3300CC	78~	4 D30	4	IN	IMB-0313	44.00	9.00	137.10	45°	F	NG
	3300CC	78~	4 D31	6								
	5400CC	72~	6 DS 7	EX	EMB-5313	37.00	9.00	137.10	45°	F	NG	
FE111/121/211/301 T652/653/B623												
TRUCK BUS	10000CC	67~	6 D20	6	IN	IMB-0314	55.10	12.00	174.80	45°	F	MG
	10000CC	79~	6 D21									
	11100CC	79~	6 D22	EX	EMB-5308	50.00	12.00	175.00	45°	F	MG	
MP117/FP117												



MITSUBISHI

VEHICLE MODEL	Year	ENGINE TYPE	CYL No.	IN EX	DOKURO No.	Head Dia.	Stem Dia.	Overall Length	Seat Angle	Head Style	Stem End
TRUCK 6900CC BUS FK/FM	79~	6D15 6D16 6D33 4D33	6 4	IN	IMB-0315	49.00	9.00	137.00	45°	FR	NG
				EX	EMB-5315	42.00	9.00	137.20	45°	FR	NG
TRUCK 14000CC BUS 15000CC 16000CC 18600CC FP/FR/FT/FU/FV NV/B/MS	76~	8DC7 8DC8 8DC9 10DC	8	IN	IMB-0316	59.00	12.00	174.60	45°	FR	NG
	76~ 79~ 72~		10	EX	EMB-5316	53.00	12.00	175.30	45°	FR	NG
DEBONAIR 2600CC SAPORO GALANT L200/CANTER A165A/K33T/FC312	76~	4G54	4	IN	IMB-0318	46.00	8.00	110.20	45°	T	NG
				EX	EMB-5318	38.00	8.00	108.10	45°	FR	NG
GALANT 1800CC PAJERO/MONTERO LANCER 2000CC CORDIA/TREDIA SPACE WAGON L200/L300 STARION E13/L035/A163/183	85~	4G62 4G63	4	IN	IMB-0319	43.00	8.00	110.10	45°	ST	CG
				EX	EMB-5319	35.00	8.00	108.80	45°	F	CG
CANTER 2400CC L200/300 PAJERO/MONTERO CANTER L028/L038/L043/048 FB433	80~	4D55	4	IN	IMB-0320	40.00	8.00	136.50	45°	F	NG
				EX	EMB-5320	34.00	8.00	136.50	45°	F	NG
COLT/LANCER 1800CC GALANT SPACE WAGON C14A/54A/64A E14/34/D09W	84~	4D65	4	IN	IMB-0321	36.00	8.00	118.60	45°	F	CG
				EX	EMB-5321	32.00	8.00	119.10	45°	F	CG
GALANT 1600CC E31/32	88~	G32	4	IN	IMB-0324	38.00	8.00	103.40	45°	ST	CG
				EX	EMB-5324	31.00	8.00	100.00	45°	F	CG



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VEHICLE MODEL	Year	ENGINE TYPE	CYL No.	IN EX	DOKURO No.	Head Dia.	Stem Dia.	Overall Length	Seat Angle	Head Style	Stem End
GALANT 1800CC COLT SPACE WAGON TREDIA/CORDIA E12/32A/A215 C77/D05V	83~	G37B 4G37	4	IN	IMB-0328	42.00	8.00	98.30	45°	ST	CG
				EX	EMB-5328	34.00	8.00	95.50	45°	F	CG
GALANT 2600CC PAJERO/MONTERO L200/L300 K33T/L042G/47G	83~	G54B	4	IN	IMB-0333	46.00	8.00	108.20	45°	ST	CG
				EX	EMB-5333	38.00	8.00	106.10	45°	FR	CG
PAJERO DIESEL 2300CC GALANT L200/L300	84~	4D55 4D56	4	IN	IMB-0338	40.00	8.00	136.60	45°	F	CG
				EX	EMB-5338	34.00	8.00	136.60	45°	F	CG
FORKLIFT		S4E		IN	IMB-0341	42.00	8.00	132.90	60°	F	NG
				EX	EMB-5341	35.00	8.00	133.00	60°		NG
PAJERO (MONTERO) 3000CC GTO DIAMANTE/SIGMA DEBONAIR L141/146/Z16/S22	86~	6G72	V6	IN	IMB-0343	43.00	8.00	103.00	45°	F	CG
				EX	EMB-5343	35.00	8.00	102.70	45°	F	CG
GALANT/COLT 2000CC (DOHC) SONATA C53/63/73	88~	4G61 4G64 ⑩	4	IN	IMB-0346	34.00	6.60	109.70	45°	F	CG
				EX	EMB-5346	30.50	6.60	109.80	45°	F	CG
GALANT 2400CC MAGNA	85~	4G64	4	IN	IMB-0347	46.00	8.00	107.00	45°	F	CG
				EX	EMB-5347	38.00	8.00	105.20	45°	F	CG
COLT	89~	G15	4	IN	IMB-0348	35.10	6.60	101.60	45°	ST	CG
				EX	EMB-5348	31.00	6.60	100.50	45°	ST	CG
LANCER/COLT 1300CC PROTON SAGA 1500CC	91~	4G13 4G15 ⑫	4	IN	IMB-0350	26.00	6.60	100.90	45°	ST	CG
				AU	IMB-1350	31.00	6.60	100.80	45°	ST	CG
				EX	EMB-5350	33.00	6.60	101.10	45°	ST	CG



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VEHICLE MODEL	Year	ENGINE TYPE	CYL No.	IN EX	DOKURO No.	Head Dia.	Stem Dia.	Overall Length	Seat Angle	Head Style	Stem End
LANCER 1600CC SPACE WAGON 1800CC PROTON WIRA	91~	4G92 4G93 ⑩	4	IN	IMB-0351	30.00	6.00	110.20	45°	ST	CG
	91~			EX	EMB-5351	27.00	6.00	113.70	45°	ST	CG
GALANT 2400CC PAJERO	98~	4G64 ⑩	4	IN	IMB-0352	33.00	6.00	112.20	45°	F	CG
				EX	EMB-5352	29.00	6.00	114.30	45°	ST	CG
CANTER 2700CC ROSA	73~	4DR	4	IN	IMB-0356	41.00	8.00	124.00	45°	F	NG
				EX	EMB-5356	32.00	8.00	124.00	45°	F	NG
GALANT 1600CC	88~	G32	4	IN	IMB-0336	38.00	8.00	103.50	45°	F	CG
				EX	EMB-5336	31.00	8.00	100.00	45°	F	CG
WIRA 2000CC DIESEL LANCER COLT	92~	4D68 4D65	4	IN	IMB-0361	36.00	8.00	114.30	45°	F	CG
				EX	EMB-5361	32.00	8.00	113.80	45°	F	CG
FORKLIFT		S4S	4	IN	IMB-0360	44.00	8.00	120.00	60°	F	NG
				EX	EMB-5360	35.00	8.00	120.20	60°	F	NG
PAJERO/ MONTERO		6G72 ⑭	V6	IN	IMB-0363	35.00	6.60	106.40	45°	ST	CG
				EX	EMB-5363	30.50	6.60	105.50	45°	ST	CG
PAJERO/ MONTERO	97~	4M40	4	IN	IMB-0364	41.00	8.00	108.60	45°	F	CG
				EX	EMB-5364	35.00	8.00	108.40	45°	F	CG



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VEHICLE MODEL	Year	ENGINE TYPE	CYL No.	IN EX	DOKURO No.	Head Dia.	Stem Dia.	Overall Length	Seat Angle	Head Style	Stem End
WIRA LANCER	1500CC 1800CC 2000CC	4G91 4G93 4G94 ⑩	4	IN	IMB-0365	33.00	6.00	104.20	45°	ST	CG
				EX	EMB-5365	28.00	6.00	104.00	45°	ST	CG
FORKLIFT		S4S		IN	IMB-0366	40.00	8.00	118.00	45°	F	CG
				EX	EMB-5366	31.00	8.00	118.00	45°	F	CG
GALANT	3000CC	6G72	V6	IN	IMB-0367	36.00	8.00	104.80	45°	F	CG
				EX	EMB-5367	31.00	8.00	104.20	45°	F	CG
PAJERO HYUNDAI TERRACAN		4D56T 4D56	4	IN	IMB-0369	40.00	8.00	130.00	45°	F	CG
				EX	EMB-5369	34.00	8.00	130.00	45°	F	CG
FORKLIFT		S4E	4	IN	IMB-0325	42.00	8.00	133.00	45°	F	CG
				EX	EMB-5325	35.00	8.00	133.00	45°	F	CG
MINICA	550CC	3G81	3	IN	IMB-0373	30.00	6.50	100.60	45°	ST	CG
				EX	EMB-5373	26.00	6.50	100.80	45°	ST	CG
GALANT STARWAGON	2500CC	6G73 ⑭	V6	IN	IMB-0374	33.00	6.50	107.30	45°	ST	CG
				EX	EMB-5374	28.00	6.50	106.20	45°	ST	CG
GALANT	2000CC	6A12 ⑭	V6	IN	IMB-0376	31.00	6.00	107.00	45°	ST	CG
				EX	EMB-5376	27.00	6.00	105.60	45°	ST	CG
CANTER		4D35	4	IN	IMB-0377	49.00	9.00	137.00	45°	F	MG
				EX	EMB-5377	42.00	9.00	137.00	45°	F	MG
LANCER C33A		4G18 ⑩	4	IN	IMB-0378	29.00	5.50	111.80	45°	F	CG
				EX	EMB-5378	25.50	5.50	114.70	45°	F	CG
HEAVY IND		S6F	6	IN	IMB-0379	44.00	8.00	134.20	45°	F	NG
				EX	EMB-5379	37.00	8.00	134.00	45°	F	NG



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VEHICLE MODEL	Year	ENGINE TYPE	CYL No.	IN EX	DOKURO No.	Head Dia.	Stem Dia.	Overall Length	Seat Angle	Head Style	Stem End
TRUCK FP DIESEL TURBO	91~	6D40T	6	IN	IMB-0380	46.00	10.00	185.20	45°	F	MG
				EX	EMB-5380	46.00	10.00	185.50	45°	F	MG
TOPPO BJ 1100CC PAJERO JR JUARA U65W	99~	4A31	4	IN	IMB-0381	25.00	5.00	100.30	45°	ST	CG
				EX	EMB-5381	21.00	5.00	105.80	45°	ST	CG
EMERAUDE 1800CC PROTON	92~	6A11 ⑳	V6	IN	IMB-0384	27.50	6.00	113.20	45°	ST	CG
				EX	EMB-5384	25.00	6.00	116.30	45°	ST	CG
LANCER 1600CC MIRAGE PROTON	91~	4G92 ㉑	4	IN	IMB-0385	33.00	6.00	115.70	45°	ST	CG
				EX	EMB-5385	28.00	6.00	115.00	45°	ST	CG
TRUCK 8200CC FK	93~	6D17	6	IN	IMB-0387	51.00	9.00	137.00	45°	F	MG
				EX	EMB-5387	44.00	9.00	137.00	45°	F	MG
FORKLIFT		S6B	6	IN	IMB-0388	48.00	10.00	180.00	60°	F	2CG
				EX	EMB-5388	44.00	10.00	180.00	60°	F	2CG
MIRAGE 1600CC LANCER PROTON		6A10 ㉒	V6	IN	IMB-0389	28.00	6.00	107.80	45°	ST	CG
				EX	EMB-5389	24.00	6.00	106.30	45°	ST	CG
MIRAGE LANCER		4G13 16V ㉓	4	IN	IMB-0391	27.00	5.50	111.60	45°	ST	CG
				EX	EMB-5391	23.45	5.50	114.70	45°	ST	CG
CAT.		S6A2	6	IN	IMB-0392	54.00	10.00	180.20	60°	F	2CG
				EX	EMB-5392	50.00	10.00	180.00	60°	F	2CG
CAT.		S6A2	6	IN	IMB-0393	47.90	10.00	180.00	45°	F	CG
				EX	EMB-5393	44.00	10.00	180.10	45°	F	CG
PAJERO 3200CC L400 MONTERO	99~	4M41	4	IN	IMB-0394	33.00	6.50	115.60	45°	F	CG
				EX	EMB-5394	31.00	6.50	115.48	45°	F	CG



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VEHICLE MODEL	Year	ENGINE TYPE	CYL No.	IN EX	DOKURO No.	Head Dia.	Stem Dia.	Overall Length	Seat Angle	Head Style	Stem End
TOWNBOX 660CC (MALAYSIAN SPEC)	99~	4A30	4	IN	IMB-0395	22.50	5.00	100.20	45°	ST	CG
				EX	EMB-5395	19.40	5.00	105.40	45°	ST	CG
LANCER		4G15 16V ⑩	4	IN	IMB-0403	27.00	6.60	100.90	45°	ST	CG
				EX	EMB-5403	32.00	6.60	101.05	45°	ST	CG
PAJERO/MONTERO DELICA		4D56N	4	IN	IMB-0404	40.00	8.00	130.20	45°	F	CG
				EX	EMB-5404	34.00	8.00	129.90	45°	F	CG
TRUCK BUS		8M20	8	IN	IMB-0405	50.00	10.00	185.30	45°	F	MG
				EX	EMB-5380	46.00	10.00	185.50	45°	F	MG
GALANT LEGNUM DIAMANTE		6A13 ⑭	6	IN	IMB-0408	28.45	6.00	113.10	45°	ST	CG
				EX	EMB-5408	25.00	6.00	115.30	45°	ST	CG
PAJERO/MONTERO DELICA CHALLENGER		4M40	4	IN	IMB-0412	41.00	8.00	108.60	45°	F	CG
				EX	EMB-5412	35.00	8.00	108.30	45°	F	CG
CANTER		4M42	4	IN	IMB-0413	29.95	6.60	115.40	45°	F	CG
				EX	EMB-5413	27.95	6.60	115.50	45°	F	CG
GALANT		4G63 GDI ⑩	4	IN	IMB-0415	34.00	6.60	105.60	45°	ST	CG
				EX	EMB-5415	30.50	6.60	105.70	45°	ST	CG
PAJERO/MONTERO DELICA		4D56 16V ⑩	4	IN	IMB-0417	31.50	6.00	107.60	45°	F	CG
				EX	EMB-5417	27.50	6.00	108.00	45°	F	CG
GALANT PAJERO/MONTERO	06~	6G75 ⑭	6	IN	IMB-0422	36.50	6.00	110.30	45°	ST	CG
				EX	EMB-5422	32.00	6.00	112.10	45°	ST	CG
GRANDIS AIRTREK/OUTLANDER	03~	4G69 ⑩	4	IN	IMB-0423	33.95	6.00	111.30	45°	ST	CG
				EX	EMB-5423	30.50	6.00	113.55	45°	ST	CG
OUTLANDER GALANT		4B11/12 ⑩	4	IN	IMB-0424	35.00	5.50	113.10	45°	ST	CG
				EX	EMB-5424	28.95	5.50	105.90	45°	F	CG
LANCER		4G15 16V ⑩	4	IN	IMB-0425	29.95	5.50	105.85	45°	ST	CG
				EX	EMB-5425	25.00	5.50	107.10	45°	ST	CG
FK619 TRUCK BUS		6D17 24V ⑭	6	IN	IMB-0426	40.00	8.00	128.10	45°	F	NG
				EX	EMB-5426	40.00	8.00	128.00	45°	F	NG



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VEHICLE MODEL	Year	ENGINE TYPE	CYL No.	IN EX	DOKURO No.	Head Dia.	Stem Dia.	Overall Length	Seat Angle	Head Style	Stem End
CANTER		4M51	4	IN	IMB-0427	36.00	8.00	141.50	45°	F	MG
				EX	EMB-5427	36.00	8.00	141.40	45°	F	MG
CANTER		4M51 6M50 6M60	4 6 6	IN	IMB-0428	40.00	8.00	141.60	45°	F	MG
				EX	EMB-5427	36.00	8.00	141.50	45°	F	MG
						35.00	6.00	111.85	45°	ST	CG
OUTLANDER GALANT PAJERO	05~	6B31 ②④	V6	IN	IMB-0429	29.50	6.00	114.05	45°	ST	CG
				EX	EMB-5429	36.50	6.00	109.35	45°	ST	CG
PAJERO MONTERO GALANT	03~	6G75 ②④	V6	IN	IMB-0430	32.00	6.00	113.50	45°	ST	CG
				EX	EMB-5430						



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VEHICLE MODEL	Year	ENGINE TYPE	CYL No.	IN EX	DOKURO No.	Head Dia.	Stem Dia.	Overall Length	Seat Angle	Head Style	Stem End
SUNNY 120Y 1000CC CHERRY 100A 1200CC PULSAR 120A B10/B110/210/310 F10/N10/11	78~	A10 A12	4	IN	INS-0401	35.00	8.00	103.80	45°	ST	NG
				EX	ENS-5401	29.00	8.00	103.80	45°	ST	NG
SUNNY 140Y 1400CC PULSAR 140A VIOLET 140J B210/310 N10/710/A10	76~	A14	4	IN	INS-0402	37.00	8.00	103.80	45°	ST	NG
				EX	ENS-5402	30.00	8.00	103.80	45°	ST	NG
SUNNY 150Y 1500CC PULSAR 150A B310/N12	80~	A15	4	IN	INS-0403	35.00	8.00	100.00	45°	ST	NG
				EX	ENS-5403	30.00	8.00	100.00	45°	ST	NG
STANZA 1600CC BLUEBIRD 1800CC SILVIA 2000CC LAUREL T12/B11/S12/C32	82~	CA16	4	IN	INS-0434	38.00	7.00	106.70	45°	ST	MG
	82~	CA18	4	IN	INS-0405	40.00	7.00	106.90	45°	ST	MG
	84~	CA20	4	IN	INS-0452	41.00	7.00	107.10	45°	ST	MG
	84~	CA16 CA18 CA20		EX	ENS-5405	35.00	7.00	108.10	45°	ST	MG
BLUEBIRD 1800CC SILVIA with TURBO U11/S12	84~	CA18T	4	IN	INS-0451	41.00	7.00	105.80	45°	ST	NG
				EX	ENS-5451	35.00	7.00	106.70	45°	ST	MG
EUROPE ONLY		CA18T	4	EX	ENS-5452	35.00	7.00	107.00	45°	FR	MG
SUNNY/PULSAR 1600CC B12/N13	87~	CA16D Ⓣ	4	IN	INS-0458	31.00	6.00	89.20	45°	ST	CG
				EX	ENS-5458	28.10	6.00	89.30	45°	F	CG
SUNNY/PULSAR 1800CC BLUEBIRD 1600CC B12/N13/U11/12	87~	CA18D CA16DE Ⓣ	4	IN	INS-0462	34.00	6.00	89.00	45°	ST	CG
					INS-0497	31.00	6.00	89.20	45°	ST	CG
				EX	ENS-5462	28.00	6.00	89.50	45°	ST	CG
MARCH 1000 /1300CC MICRA	91~	CG10 CG13 CR10DE CR12DE CR14DE Ⓣ	4	IN	INS-0515	27.50	5.50	95.75	45°	ST	CG
				EX	ENS-5515	22.55	5.50	95.80	45°	ST	CG



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VEHICLE MODEL	Year	ENGINE TYPE	CYL No.	IN EX	DOKURO No.	Head Dia.	Stem Dia.	Overall Length	Seat Angle	Head Style	Stem End
SUNNY/PULSAR 1700CC SENTRA B11/12/13 N12/13	83~	CD17	4	IN	INS-0446	36.00	7.00	101.00	45°	F	NG
				EX	ENS-5446	31.00	7.00	101.00	45°	F	MG
AVENIR 2000CC SENTRA	85~	CD20	4	IN	INS-0484	39.20	7.00	100.70	45°	F	NG
				EX	ENS-5484	32.20	7.00	100.70	45°	F	NG
SERENA 2000CC LARGO	93~	CD20 CD20T	4	IN	INS-0487	39.10	7.00	99.80	45°	F	NG
				EX	ENS-5487	32.10	7.00	99.60	45°	F	NG
SUNNY/PULSAR 1000CC SENTRA B11/12/13	82~	E10	4	IN	INS-0432	35.00	7.00	118.50	45°	FR	NG
				EX	ENS-5432	29.00	7.00	118.70	45°	FR	NG
SUNNY/PULSAR 1300CC PRAIRIE 1500CC SENTRA B11/12/13 N10/12/13/M10	81~ 81~	E13 E15	4	IN	INS-0404	37.00	7.00	118.80	45°	ST	NG
				EX	ENS-5404	30.00	7.00	118.20	45°	ST	NG
SUNNY 1500CC SENTRA PULSAR B12/13 N12/13	81~	E15E	4	IN	INS-0433	37.00	7.00	119.70	45°	ST	NG
				EX	ENS-5433	31.00	7.00	120.00	45°	ST	NG
SUNNY 1600CC SENTRA PULSAR B11/12/13 N12/13	84~	E16	4	IN	INS-0444	37.00	7.00	116.70	45°	ST	NG
				EX	ENS-5444	30.00	7.00	116.00	45°	ST	NG
CABALL 3000CC CLIPPER CIVILIAN C340	73~	BD30	4	IN	INS-0430	45.00	9.00	129.70	60°	F	CG
				EX	ENS-5430	36.00	9.00	130.00	45°	F	CG
					ENS-5498	38.00	8.00	117.00	45°	F	CG
CONDOR 3300CC CABALL 5700CC CIVILIAN M40/G341/W40	80~ 83~ 75~ 83~	ED33 FD33 FD6 PD6	4 6	IN	INS-0429	47.00	9.00	129.50	60°	F	CG
				EX	ENS-5429	38.00	9.00	130.00	45°	F	CG
						39.50	9.00	130.00	45°	F	CG
ATLAS 3500CC CABALL	89~	FD35	4	IN	INS-0485	48.50	9.00	129.50	45°	F	CG
				EX	ENS-5485	39.50	9.00	130.00	45°	F	CG



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VEHICLE MODEL	Year	ENGINE TYPE	CYL No.	IN EX	DOKURO No.	Head Dia.	Stem Dia.	Overall Length	Seat Angle	Head Style	Stem End	
ATLAS CONDOR	4600CC	92~	FD46	4	IN	INS-0506	48.50	9.00	129.00	45°	F	CG
					EX	ENS-5506	39.50	9.00	130.00	45°	F	CG
TRUCK	7000CC	97~	FE6B FE6T FD35	6 4	IN	INS-0471	48.50	9.00	130.70	60°	F	CG
					EX	ENS-5471	39.80	9.00	131.00	45°	F	CG
CL/CM												
SKYLINE SILVIA R30/S110	2000CC	82~	FJ20	4	IN	INS-0435	34.50	7.00	125.20	45°	ST	NG/MG
					EX	ENS-5435	30.00	7.00	125.20	45°	F	
CONDOR BUS		95~	FE6E	6	IN	INS-0476	37.00	8.00	146.00	45°	F	CG
					EX	ENS-5476	37.00	8.00	149.00	45°	F	CG
			②4									
SUNNY SENTRA	90~		GA14D GA15D	4	IN	INS-0473	29.00	5.50	92.30	45°	ST	CG
					EX	ENS-5468	24.00	5.50	92.70	45°	ST	CG
			①6									
SUNNY SENTRA	90~		GA16D	4	IN	INS-0468	30.00	5.50	92.30	45°	ST	CG
					EX	ENS-5468	24.00	5.50	92.30	45°	ST	CG
			①6									
SENTRA	1300CC	90~	GA13	4	IN	INS-0474	26.50	5.50	92.30	45°	ST	CG
					EX	ENS-5474	21.50	5.50	92.70	45°	ST	CG
			①6									
SUNNY SENTRA B13/14/N14	1400CC	88~	GA14 IN-⑧ EX-④	4	IN	INS-0465	29.10	6.00	113.80	45°	ST	CG
					EX	ENS-5466	32.00	6.60	116.20	45°	ST	CG
SUNNY SENTRA PULSAR B13/14/N14	88~		GA16 IN-⑧ EX-④	4	IN	INS-0465	29.10	6.00	113.80	45°	ST	CG
					EX	ENS-5465	33.00	6.60	116.30	45°	ST	CG



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VEHICLE MODEL	Year	ENGINE TYPE	CYL No.	IN EX	DOKURO No.	Head Dia.	Stem Dia.	Overall Length	Seat Angle	Head Style	Stem End
SENTRA 1600CC B13	89~	GA16 i IN-⑧ EX-④	4	IN	INS-0457	29.00	6.00	113.70	45°	ST	CG
				EX	ENS-5457	33.00	6.60	116.30	45°	ST	CG
PULSAR SUNNY		GA16DE ⑩	4	IN	INS-0522	30.00	5.50	92.30	45°	ST	CG
				EX	ENS-5509	25.00	5.50	92.60	45°	ST	CG
TRUCK CD/CK/CV/CW	97~	GE13T	6	IN	INS-0532	46.70	10.00	195.80	60°	F	CG
				EX	ENS-5532	45.90	10.00	194.70	45°	F	CG
JUNIOR 2000CC CARAVAN 3000CC I40/E20/E23	67~	H20 H30	4	IN	INS-0410	42.00	8.70	110.20	45°	ST	NG
				EX	ENS-5410	32.00	8.70	110.20	45°	F	NG
OVER SIZE 0.20MM		H20	4	IN	INS-0442	42.00	8.70	110.20	45°	ST	
				EX	ENS-5442	32.00	8.70	110.20	45°	ST	NG
OVER SIZE 0.40MM		H20	4	IN	INS-0443	42.00	8.70	110.20	45°	ST	
				EX	ENS-5443	32.00	8.70	110.20	45°	ST	NG
FORKLIFT		H15 H20	4	IN	INS-0488	35.10	7.00	109.70	45°	ST	NG
				EX	ENS-5488	30.10	7.00	109.20	45°	ST	NG
MICRA/MARCH NOTE TIIDA VERSA NV200		HR15DE HR16DE HR12DE ⑩	4	IN	INS-0528	31.10	5.00	101.75	45°	ST	CG
				EX	ENS-5528	25.45	5.00	102.50	45°	ST	CG
BLUEBIRD 1300CC DATSUN TRUCK 410/510 520/620 P130	65~	J13	4	IN	INS-0406	35.00	8.70	109.60	45°	ST	NG
				EX	ENS-5406	30.00	8.70	108.80	45°	ST	PG



NISSAN

VEHICLE MODEL	Year	ENGINE TYPE	CYL No.	IN EX	DOKURO No.	Head Dia.	Stem Dia.	Overall Length	Seat Angle	Head Style	Stem End
DATSUN TRUCK 1500CC 1600CC 520/620	70~	J15	4	IN	INS-0407	38.00	8.70	109.60	45°	ST	PG
	70~	J16		EX	ENS-5407	32.00	8.70	109.60	45°	ST	PG
DATSUN TRUCK 1500CC CARAVAN 1600CC 620/E20	74~	J15 J16	4	IN	INS-0431	38.00	8.70	109.60	45°	ST	NG
				EX	ENS-5431	32.00	8.70	109.60	45°	ST	NG
DATSUN PICK UP MEXICO KD	1800CC	J18	4	IN	INS-0453	40.10	8.00	108.20	45°	ST	MG
				EX	ENS-5453	35.00	8.00	108.30	45°	ST	MG
PICK UP SILVIA MAXIMA PRAIRIE D21/S13/U12/M10 MEXICO KD	2400CC	KA24E	4	IN	INS-0467	34.00	7.00	121.40	45°	ST	CG
				EX	ENS-5467	40.00	8.00	122.40	45°	ST	CG
SILVIA 240SX	2400CC	KA24E Ⓣ6	4	IN	INS-0491	36.60	7.00	101.50	45°	ST	CG
				EX	ENS-5491	31.40	7.00	99.90	45°	ST	
D22 AX FRONTIER	2400CC	KA24DE Ⓣ6	4	IN	INS-0510	36.60	7.00	101.40	45°	ST	CG
				EX	ENS-5510	31.30	7.00	98.95	45°	ST	CG
D22 FRONTIER PICK UP	2000/2400CC	KA20DE KA24E Ⓣ6	4	IN	INS-0521	36.60	7.00	101.40	45°	ST	CG
				EX	ENS-5521	31.30	7.00	98.90	45°	ST	CG
FORK LIFT		K21	4	IN	INS-0527	38.10	7.00	99.20	45°	ST	MG
				EX	ENS-5527	32.10	7.00	99.25	45°	ST	MG
PLATINA MEXICO KD	03~	K4M	4	IN	INS-0512	32.70	5.50	109.35	45°	ST	CG
				EX	ENS-5512	28.00	5.50	107.65	45°	ST	CG
BLUEBIRD 1300CC VIOLET 140J 1400CC LAUREL 200L 2000CC 240K/240L 2400CC CEDRIC 200C	69~	L13 L14 L20 L24	4 6	IN	INS-0408	38.10	8.00	117.30	45°	ST	NG
	70~										
510/610/710/C31/32 330/430/C210/230	66~					33.00	8.00	117.40	45°	ST	NG
	75~										
FAIRLADY CEDRIC 330/430/G130	2800CC	L28	6	IN	INS-0412	44.10	8.00	152.00	45°	ST	NG



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VEHICLE MODEL	Year	ENGINE TYPE	CYL No.	IN EX	DOKURO No.	Head Dia.	Stem Dia.	Overall Length	Seat Angle	Head Style	Stem End
PICK UP 1600CC	67~	L16	4	IN	INS-0409	42.00	8.00	116.40	45°	ST	NG
BLUEBIRD 180D 1800CC	70~	L18	6								
CEDRIC 260C 2000CC	74~	L20B									
FAIRLADY 260Z 2600CC	72~	L26									
200B	67~	L16	4	EX	ENS-5408	33.00	8.00	117.40	45°	ST	NG
620720/910		L18	4	EX	ENS-5409	35.00	8.00	117.50	45°	ST	NG
330		L20B	6								
		L26									
		L28									
CEDRIC 2800CC	80~	L28T	6	IN	INS-0427	44.00	8.00	114.50	45°	ST	NG
FAIRLADY with TURBO		L28E									
430/S130				EX	ENS-5427	35.10	8.00	115.40	45°	ST	NG
CEDRIC 2000CC	81~	LD20	4	IN	INS-0428	39.00	8.00	117.00	45°	F	NG
BLUEBIRD 2800CC	81~	LD28	6								
430/U11				EX	ENS-5428	32.00	8.00	117.20	45°	F	NG
BLUEBIRD 2000CC	81~	LD20	4	IN	INS-0490	39.40	8.00	118.00	45°	F	NG
VANETTE				EX	ENS-5490	32.10	8.00	118.80	45°	ST	NG
SERENA 2300CC	99~	LD23	4	IN	INS-0503	41.50	8.00	118.10	53°	F	NG
SPAIN KD				EX	ENS-5503	33.20	8.00	117.80	45°	F	NG
MARCH 1000CC	82~	MA10	4	IN	INS-0448	35.00	7.00	110.00	45°	ST	NG
MICRA 1200CC	86~	MA12			INS-0456						
K10/KA10				EX	ENS-5448	30.00	7.00	109.50	45°	ST	NG
					ENS-5456						
UD TRUCKS BUS	99~10	MD92	6	IN	INS-0530	43.65	8.00	165.30	45°	F	CG
				EX	ENS-5530	40.00	8.00	165.30	45°	F	CG
QASHQAI	04~	MR16DE	4	IN	INS-0524	33.90	5.50	106.30	45°	ST	CG
SERENA		MR18DE									
X-TRAIL		MR20DE									
JUKE				EX	ENS-5524	27.75	5.50	105.30	45°	ST	CG
CUBE		Ⓣ									
PICKUP D22 2000CC	97~	NA20	4	IN	INS-0504	38.10	8.00	122.00	45°	ST	NG
				EX	ENS-5504	34.10	8.00	123.50	45°	ST	NG
					ENS-5508	34.10	8.00	123.50	45°	ST	MG



NISSAN

VEHICLE MODEL	Year	ENGINE TYPE	CYL No.	IN EX	DOKURO No.	Head Dia.	Stem Dia.	Overall Length	Seat Angle	Head Style	Stem End
TRUCK 6800CC	69~	ND6	6	IN	INS-0417	50.00	10.00	143.00	45°	F	CG
				EX	ENS-5417	41.00	10.00	143.00	45°	F	MG
TRUCK 7400CC	86~	NE6 NE6T	6	IN	INS-0477	52.00	10.00	143.00	45°	ST	MG
					INS-0470	52.00	10.00	143.80	60°	F	CG
				EX	ENS-5470	43.00	10.00	143.50	45°	F	CG
TRUCK 7000CC CV/CG/XD	89~	NF6T	6	IN	INS-0520	52.00	10.00	157.65	60°	F	CG
				EX	ENS-5520	47.00	10.00	157.00	45°	F	CG
TRUCK 10300CC 11700CC CD/CK/CV	70~	PA6 PD6 PE6	6	IN	INS-0419	57.50	12.00	158.50	60°	F	CG
					INS-0420	57.50	12.00	157.50	45°	F	CG
				EX	ENS-5420	47.00	12.00	158.00	45°	F	CG
TRUCK KG/KM/KW		PE6T	6	IN	INS-0478 STRAIGHT TYPE	57.60	12.00	158.60	60°	F	CG
				IN	INS-0523 GENUINE TYPE	57.60	12.00	158.00	60°	F	CG
				EX	ENS-5478	52.00	12.00	158.00	45°	F	CG
					ENS-5481	54.00	12.00	157.70	45°	F	CG
TURCK CW/CV EURO-2	94~	PF6TC PF6T PF6TA	6	IN	INS-0478 STRAIGHT TYPE	57.60	12.00	158.60	60°	F	CG
				EX	ENS-5511	53.80	12.00	157.80	45°	F	CG
PATROL TRUCK 680/60/160	62~ 80~	P P40	6	IN	INS-0416	43.00	8.70	131.50	45°	F	MG
				EX	ENS-5416	36.30	8.70	131.50	45°	F	MG
ATLAS	98~	QD32	4	IN	INS-0500	45.50	8.00	117.00	45°	F	NG
				EX	ENS-5500	39.00	8.00	117.00	45°	F	NG



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VEHICLE MODEL	Year	ENGINE TYPE	CYL No.	IN EX	DOKURO No.	Head Dia.	Stem Dia.	Overall Length	Seat Angle	Head Style	Stem End
SENTRA 1300CC AD 1500CC YV11/G10 VY11/GY10/N16	00~	QG13DE QG15DE (16)	4	IN	INS-0509	26.55	5.50	92.30	45°	ST	CG
				EX	ENS-5509	25.00	5.50	92.60	45°	ST	CG
SENTRA 1600CC AVENIR 1800CC SYLPHY PRIMELA W11/QG10		QG16DE QG18DE	4	IN	INS-0522	30.00	5.50	92.30	45°	ST	CG
				EX	ENS-5509	25.00	5.50	92.60	45°	ST	CG
X-TRAIL AVENIR	00~	QR20DE QR25DE (16)	4	IN	INS-0518	35.70	6.00	97.20	45°	ST	CG
				EX	ENS-5518	30.65	6.00	98.80	45°	ST	CG
SKYLINE 2000CC CEFIRO 2400CC ALTIMA 3000CC LAUREL A31/B31/C34	89~	RB20 RB24 RB30 (24)	6	IN	INS-0450	42.00	7.00	125.70	45°	ST	MG
				EX	ENS-5450	35.00	8.00	124.50	45°	ST	MG
SKYLINE 2500CC LAUREL CEFIRO A31 C34/35-R33/34/35	97~	RB25DET (24)	8	IN	INS-0519	34.10	6.00	86.70	45°	ST	CG
				EX	ENS-5519	29.60	6.00	88.90	45°	ST	CG
TRUCK 14300CC 10000CC CV/CW/WD/WG	72~ 75~	RD8 RD10 RE8 RE10	8 10	IN	INS-0423	60.00	10.00	161.00	45°	F	CG
				IN	INS-0422	60.00	10.00	161.20	60°	F	CG
				EX	ENS-5423	50.00	12.00	161.20	45°	ST	CG
TRUCK CD/CF/CG/CK	95~	RF8 RG8	8	IN	INS-0423	60.00	10.00	161.00	45°	F	CG
				EX	ENS-5472	52.00	12.00	161.00	45°	F	MG
TRUCK CD55/CG55/CK551 CW55	97~	RH8	8	IN	INS-0513	52.00	10.00	164.60	45°	ST	CG
				EX	ENS-5513	47.90	10.00	164.60	45°	ST	CG



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VEHICLE MODEL	Year	ENGINE TYPE	CYL No.	IN EX	DOKURO No.	Head Dia.	Stem Dia.	Overall Length	Seat Angle	Head Style	Stem End
LAUREL 2800CC CEDRIC PATROL	85~	RD28	6	IN	INS-0482	39.10	7.00	101.90	45°	F	MG
				EX	ENS-5482	32.10	7.00	101.80	45°	ST	MG
PATROL 2800CC CEDRIC LAUREL	85~	RD28T	6	IN	INS-0483	39.10	7.00	102.80	45°	F	MG
					INS-0505	39.20	7.00	102.80	45°	ST	CG
				EX	ENS-5483	32.10	7.00	102.60	45°	F	MG
BLUEBIRD SERENA		SR20DE	4	IN	INS-0525	34.10	6.00	98.40	45°	ST	CG
				EX	ENS-5525	30.10	6.00	99.30	45°	ST	CG
BLUEBIRD 2000CC PRIMELA	85~	SR20DE ⑩	4	IN	INS-0486	34.10	6.00	101.50	45°	ST	CG
				EX	ENS-5486	30.10	7.00	102.40	45°	FR	CG
BLUEBIRD 2000CC PRIMELA SILVIA		SR20DET ⑩	4	IN	INS-0507	34.10	6.00	101.50	45°	ST	CG
				EX	ENS-5507	30.10	6.00	102.30	45°	ST	CG
JUNIOR 2200CC CABALL 3300CC	68~	SD22 SD33	4 6	IN	INS-0413	38.50	8.00	117.00	45°	F	CG
				EX	ENS-5413	32.50	8.00	117.00	45°	F	CG
OVER SIZE 0.20MM		SD22 SD33		IN	INS-0440	38.50	8.00	117.00	45°	F	CG
				EX	ENS-5440	32.50	8.00	117.00	45°	F	CG
OVER SIZE 0.40MM		SD22 SD33	4	IN	INS-0441	38.50	8.40	117.00	45°	F	CG
				EX	ENS-5441	32.50	8.40	117.00	45°	F	CG
URVAN 2300CC PICK UP 2500CC ATLAS E23/720/F22	83~	SD23 SD25	4	IN	INS-0438	40.00	8.00	117.00	45°	F	CG
				EX	ENS-5438	34.00	8.00	116.90	45°	F	CG
OVER SIZE 0.20MM		SD23 SD25	4	IN	INS-0463	40.00	8.20	117.00	45°	F	CG
				EX	ENS-5463	34.00	8.20	116.90	45°	F	NG



NISSAN

VEHICLE MODEL	Year	ENGINE TYPE	CYL No.	IN EX	DOKURO No.	Head Dia.	Stem Dia.	Overall Length	Seat Angle	Head Style	Stem End
PATROL 4200CC Y60	88~	TB42	6	IN	INS-0475	47.20	8.00	118.20	45°	ST	NG
				EX	ENS-5475	38.00	8.00	119.00	45°	ST	NG
PATROL 4500CC	98~	TB45	6	IN	INS-0499	47.00	8.00	118.40	45°	ST	NG
				EX	ENS-5499	38.00	8.00	119.00	45°	F	NG
PATROL SAFARI Y61	02~	TB48E ②4	6	IN	INS-0516	38.50	7.00	100.20	45°	ST	CG
				EX	ENS-5516	33.30	7.00	98.30	45°	ST	CG
URVAN ATLAS E24/F22	87~	TD23	4	IN	INS-0459	40.00	8.00	117.10	45°	F	CG
				EX	ENS-5459	35.00	8.00	117.10	45°	F	CG
URVAN ATLAS PICK UP E24/F22/D21	89~	TD25	4	IN	INS-0464	41.50	8.00	117.10	45°	F	CG
				EX	ENS-5464	37.00	8.00	117.10	45°	F	CG
PICK UP 2700CC PATHFINDER 4200CC PATROL D21/WD21/Y60		TD27 TD42	4	IN	INS-0455	43.50	8.00	117.00	45°	F	CG
				EX	ENS-5455	38.00	8.00	117.00	45°	F	CG
MISTRAL 2700CC SPAIN KD with TURBO		TD27T		IN	INS-0489	43.50	8.00	117.00	45°	F	CG
				EX	ENS-5489	38.00	8.00	117.00	45°	F	CG
CEDRIC 2000CC Y30	84~	VG20	V6	IN	INS-0447	38.00	7.00	128.20	45°	ST	MG
				EX	ENS-5447	33.10	8.00	127.50	45°	ST	2MG
CEDRIC FAIRLADY Y30	84~	VG30	V6	IN	INS-0450	42.00	7.00	125.70	45°	ST	MG
				EX	ENS-5450	35.00	8.00	124.50	45°	ST	MG
300ZX 3000CC	85~	VG30	V6	IN	INS-0492	34.10	6.00	103.30	45°	ST	CG
				EX	ENS-5492	29.60	6.00	103.80	45°	ST	CG
300ZX 3000CC without TURBO	85~	VG30	V6	IN	INS-0494	34.00	6.00	103.30	45°	ST	CG
				EX	ENS-5494	29.60	6.00	103.70	45°	FR	CG
MAXIMA 3000CC	93~	VG30DET ②4	V6	IN	INS-0501	35.00	6.00	110.60	45°	ST	CG
				EX	ENS-5501	30.70	6.00	102.70	45°	ST	CG
MAXIMA 2000CC	94~	VQ20 ②4	V6	IN	INS-0502	29.00	6.00	104.00	45°	ST	CG
				EX	ENS-5502	24.00	6.00	101.50	45°	ST	CG
CEFIRO MAXIMA A32/33		VQ20 ②4	V6	IN	INS-0533	29.15	6.00	99.80	45°	ST	CG
				EX	ENS-5533	24.00	6.00	97.40	45°	ST	CG



NISSAN

VEHICLE MODEL	Year	ENGINE TYPE	CYL No.	IN EX	DOKURO No.	Head Dia.	Stem Dia.	Overall Length	Seat Angle	Head Style	Stem End
TEANA CEFIRO J31	03~	VQ23 ②④	V6	IN	INS-0531	34.10	6.00	99.30	45°	ST	CG
				EX	ENS-5531	29.10	6.00	96.80	45°	ST	CG
CEFIRO ELGRAND FUGA STAGEA SKYLINE	99~	VQ25 ②④	V6	IN	INS-0534	34.15	6.00	98.10	45°	ST	CG
				EX	ENS-5531	29.10	6.00	96.80	45°	ST	CG
CEDRIC MAXIMA 3000CC	94~	VQ30 ②④	V6	IN	INS-0495	26.00	6.00	97.60	45°	ST	CG
				EX	ENS-5495	31.40	6.00	95.00	45°	ST	CG
INFINITY SKYLINE PATHFINDER	01~	VQ35DE ②④	V6	IN	INS-0529	37.15	6.00	96.50	45°	ST	CG
				EX	ENS-5529	31.30	6.00	94.00	45°	ST	CG
PATHFINDER D40 FRONTIER	06~	VQ40DE ②④	V6	IN	INS-0526	37.20	6.00	96.45	45°	F	CG
				EX	ENS-5526	31.35	6.00	94.00	45°	F	CG
AD VAN PICK UP X-TRAIL Y11/C24/T30/D22	99~	YD22DD YD25DDTi ①⑥	4	IN	INS-0514	28.15	6.00	106.75	45°	F	CG
				EX	ENS-5514	26.15	6.00	106.30	45°	F	CG
PICK UP BLUEBIRD 1600CC 1800CC 720/910	79~ 79~	Z16 Z18 Z20	4	IN	INS-0437	38.10	8.00	126.40	45°	ST	NG
					INS-0421	42.20	8.00	126.40	45°	ST	NG
				EX	ENS-5421	38.20	8.00	127.60	45°	ST	MG
PICK UP BLUEBIRD 2000CC 2400CC	85~ 89~	Z22 Z24	4	IN	INS-0426	42.00	8.00	124.20	45°	ST	NG
					INS-0445	42.00	8.00	124.20	45°	ST	NG
				EX	ENS-5426	38.00	8.00	125.20	45°	ST	NG
URVAN SAFARI TERRANO Y30/R50/E26	99~	ZD30DD ①⑥	4	IN	INS-0517	31.95	7.00	113.35	45°	F	CG
				EX	ENS-5517	30.00	7.00	113.50	45°	F	CG



MALAYSIAN SPECIFICATION

PROTON

VEHICLE MODEL	CYL No.	IN EX	DOKURO No.	Head Dia.	Stem Dia.	Overall Length	Head Style	Stem End
EXORA GEN-2 PERDANA	4	IN	IMB-0418	31.00	5.00	96.00	ST	3CG
		EX	EMB-5398	26.56	5.00	100.80	F	3CG
EXORA	4	IN	IMB-0432	31.00	5.00	115.40	ST	3CG
		EX	EMB-5432	26.60	5.00	114.60	F	CG
GEN-2	4	IN	IMB-0398	31.00	5.00	101.55	ST	3CG
		EX	EMB-5398	26.56	5.00	100.80	F	3CG
JUARA	6	IN	IMB-0381	25.00	5.00	100.30	ST	CG
		EX	EMB-5381	21.00	5.00	105.80	ST	CG
PERDANA	4	IN	IMB-0352	33.00	6.00	112.20	ST	CG
		EX	EMB-5352	29.00	6.00	114.30	ST	CG
PERDANA V6	6	IN	IMB-0376	31.00	6.00	107.00	ST	CG
		EX	EMB-5376	27.00	6.00	105.60	ST	CG
SAGA A172, A151	4	IN	IMB-0305	34.00	6.60	102.00	ST	CG
		EX	EMB-5305	30.00	6.60	101.00	ST	CG
SAGA 12V	4	IN	IMB-0350	26.00	6.60	100.90	ST	CG
		IN-2	IMB-1350	31.00	6.60	100.80	ST	CG
		EX	EMB-5350	33.00	6.60	101.10	ST	CG
SAVVY	4	IN	IMB-0406	26.00	5.50	110.70	F	3CG
		EX	EMB-5406	22.05	5.50	112.50	F	3CG
TIARA	4	IN	IMZ-0322	36.67	7.00	112.80	ST	CG
		EX	EMZ-5322	29.45	7.00	112.50	ST	CG
WAJA 1.6	4	IN	IMB-0378	29.00	5.50	111.80	ST	CG
		EX	EMB-5378	22.50	5.50	114.70	ST	CG
WAJA 1.8	4	IN	IMB-0399	33.45	5.50	110.10	F	CG
		EX	EMB-5399	29.00	5.50	108.85	F	CG
WIRA 1.6 V6	6	IN	IMB-0389	28.00	6.00	107.80	ST	CG
		EX	EMB-5389	24.00	6.00	106.30	ST	CG
WIRA 1.6/1.8	4	IN	IMB-0351	30.00	6.00	110.20	ST	CG
		EX	EMB-5351	27.00	6.00	113.70	ST	CG
WIRA 1.8	4	IN	IMB-0365	33.00	6.00	104.20	ST	CG
		EX	EMB-5365	28.00	6.00	104.00	ST	CG
WIRA 2.0D	4	IN	IMB-0361	36.00	8.00	114.10	F	CG
		EX	EMB-5361	32.00	8.00	113.80	F	CG



SUBARU

VEHICLE MODEL	Year	ENGINE TYPE	CYL No.	IN EX	DOKURO No.	Head Dia.	Stem Dia.	Overall Length	Seat Angle	Head Style	Stem End
SUBARU 1200CC 1300CC 1400CC AF/AB/AM	71~	EA62 EA63 EA64 EA65	4	IN	ISB-0601	36.60	8.00	108.50	45°	ST	NG
				EX	ESB-5601	32.60	8.00	109.00	45°	F	NG
SUBARU 1600CC AW/AF/AC/AG/AN	76~	EA71	4	IN	ISB-0602	39.70	8.00	109.00	45°	ST	NG
				EX	ESB-5602	34.60	8.00	109.00	45°	F	NG
SUBARU 1600CC	76~	EA71	4	IN	ISB-0603	39.70	8.00	109.00	45°	ST	CG
				EX	ESB-5603	34.70	8.00	109.50	45°	ST	CG
SUBARU 1800CC 1600CC	79~	EA81 EA71	4	IN	ISB-0604	36.30	8.00	108.60	45°	F	CG
				EX	ESB-5604	32.60	8.00	109.20	45°	F	CG
REX 550CC	77~	EK23	2	IN	ISB-0606	35.00	7.00	111.00	45°	ST	PG
				EX	ESB-5606	30.00	7.00	110.60	45°	ST	PG
SUBARU BRAT 1600CC 1800CC	79~	EA71 EA81	4	IN	ISB-0607	41.40	8.00	109.40	45°	ST	CG
				EX	ESB-5607	35.00	8.00	109.40	45°	ST	CG
SUBARU 1600CC 1800CC	84~	EA71 EA81	4	IN	ISB-0612	29.00	7.00	108.30	45°	ST	CG
				EX	ESB-5612	30.00	7.00	110.60	45°	F	PG
SUBARU with TURBO without TURBO XT , AA4/5	86~	EA82	4	IN	ISB-0613	42.10	7.00	107.70	45°	ST	PG
				EX	ESB-5613	35.60	7.00	107.60	45°	ST	PG
				EX	ESB-5614	35.50	7.00	108.20	45°	FR	PG



SUBARU

VEHICLE MODEL	Year	ENGINE TYPE	CYL No.	IN EX	DOKURO No.	Head Dia.	Stem Dia.	Overall Length	Seat Angle	Head Style	Stem End
JUSTY 1000CC DOMINGO 1200CC KA/KJ	84~	EF10	3	IN	ISB-0615	36.00	7.00	111.00	45°	ST	PG
		EF12		EX	ESB-5615	30.00	7.00	110.70	45°	FR	PG
JUSTY 1200CC DOMINGO	85~	EF12	3	IN	ISB-0617	29.00	7.00	108.20	45°	ST	CG
				EX	ESB-5617	33.00	7.00	108.50	45°	ST	CG
IMPREZA LEGACY	98~	EJ16 EJ18	4	IN	ISB-0618	31.00	6.00	101.00	45°	FR	CG
		Ⓜ		EX	ESB-5618	28.00	6.00	101.20	45°	ST	CG
FORESTER IMPREZA LEGACY	98~	EJ25 Ⓜ	4	IN	ISB-0619	36.00	6.00	106.00	45°	ST	CG
				EX	ESB-5619	32.00	6.00	106.20	45°	ST	CG
LEGACY 2000CC FORESTER 2500CC WRX	01~	EJ20 EJ25 Ⓜ	4	IN	ISB-0620	36.00	6.00	104.50	45°	ST	CG
				EX	ESB-5620	32.00	6.00	104.80	45°	ST	CG
LEGACY 2200CC IMPREZA W/O TURBO	90~	EJ22 Ⓜ	4	IN	ISB-0621	32.50	6.00	101.00	45°	ST	CG
				EX	ESB-5621	28.00	6.00	101.30	45°	ST	CG
LEGACY 2000CC IMPREZA	90~93	EJ20 Ⓜ	4	IN	ISB-0622	36.00	6.50	98.00	45°	FR	CG
				EX	ESB-5622	32.00	6.50	97.60	45°	FR	CG
LEGACY 2000CC IMPREZA with TURBO	90~96	EJ20T Ⓜ	4	IN	ISB-0623	36.00	6.00	93.70	45°	ST	CG
				EX	ESB-5623	32.00	6.00	94.00	45°	ST	CG
LEGACY 2500CC OUTBACK	04~	EJ25 Ⓜ	4	IN	ISB-0625	36.00	6.00	120.60	45°	F	CG
				EX	ESB-5625	31.50	6.00	121.65	45°	F	CG
WRX		EJ20T Ⓜ	4	IN	ISB-0626	36.00	6.00	104.50	45°	F	CG
				EX	ESB-5626	32.00	6.00	104.60	45°	F	CG



SUBARU

VEHICLE MODEL	Year	ENGINE TYPE	CYL No.	IN EX	DOKURO No.		Head Dia.	Stem Dia.	Overall Length	Seat Angle	Head Style	Stem End
VIVIO SAMBER PLEO		EN07	4	IN	ISB-0627		28.00	5.50	94.60	45°	F	CG
				EX	ESB-5627		23.00	5.50	94.60	45°	F	CG



SUZUKI

VEHICLE MODEL	Year	ENGINE TYPE	CYL No.	IN EX	DOKURO No.	Head Dia.	Stem Dia.	Overall Length	Seat Angle	Head Style	Stem End
ALTO 550CC	78~	F5A	3	IN	ISZ-0651	31.60	7.00	110.00	45°	ST	CG
FRONTE 800CC	78~	F8A	4								
JIMNY 550CC	76~	LJ50				27.60	7.00	109.60	45°	F	CG
CARRY		F10		EX	ESZ-5651						
ST80/90 S8305/308 ST20/30 SJ10											
SWIFT 1000CC	83~	F10A	4	IN	ISZ-0652	36.00	7.00	115.60	45°	ST	CG
CULTAS 1000CC	83~	G10	3			30.00	7.00	114.60	45°	ST	CG
JIMNY 1300CC	85~	G13A/B	4	EX	ESZ-5652						
SF310/SA410 SJ410/413 SF413											
ESCUDO 1600CC	86~	G16A	4	IN	ISZ-0653	36.60	7.00	115.70	45°	FR	CG
VITARA				EX	ESZ-5653	32.50	7.00	114.50	45°	F	CG
SE416											
VITARA 1600CC	90~	G16A	4	IN	ISZ-0655	29.20	5.50	92.20	45°	ST	CG
SF416		Ⓔ		EX	ESZ-5655	25.00	5.50	80.00	45°	F	CG
SWIFT 1300CC	86~	G13A	4	IN	ISZ-0656	29.00	5.50	105.20	45°	ST	CG
AA33/AB33		Ⓔ		EX	ESZ-5656	24.10	5.50	104.60	45°	ST	CG
SWIFT 1300CC	89~	G13A	4	IN	ISZ-0654	35.00	5.50	84.20	45°	ST	CG
AA34/AB34		Ⓔ		EX	ESZ-5654	28.00	5.50	84.00	45°	F	CG



SUZUKI

VEHICLE MODEL	Year	ENGINE TYPE	CYL No.	IN EX	DOKURO No.	Head Dia.	Stem Dia.	Overall Length	Seat Angle	Head Style	Stem End
DAEWOO 800CC TICO		F8C	3	IN	IDW-0602	35.60	5.50	110.50	45°	ST	CG
				EX	EDW-5602	31.80	5.50	110.50	45°	ST	CG
SIDEKICK 1600CC		G16 H20 (16/24)	4 V6	IN	ISZ-0657	30.00	6.00	86.20	45°	ST	CG
				EX	ESZ-5657	25.00	6.00	86.00	45°	ST	CG
VITARA BALENO ESTEEM		H25 J20 J18 (16/24)	V6 4	IN	ISZ-0658	33.00	6.00	86.20	45°	ST	CG
				EX	ESZ-5658	28.00	6.00	86.00	45°	ST	CG
ALTO	90~	F6A	3	IN	ISZ-0659	31.70	5.50	110.60	45°	ST	CG
				EX	ESZ-5659	27.60	5.50	111.00	45°	ST	CG
ALTO	90~	F6AG	3	IN	ISZ-0660	25.50	5.00	92.20	45°	ST	CG
				EX	ESZ-5660	22.40	5.00	80.50	45°	ST	CG
ALTO 1000CC WAGON R	97~	K10 K6A	4	IN	ISZ-0661	24.55	5.50	80.20	45°	ST	CG
				EX	ESZ-5661	21.50	5.50	81.30	45°	ST	CG
JIMNY LIANA	97~	M16A (16)	4	IN	ISZ-0662	30.00	5.50	100.81	45°	ST	CG
				EX	ESZ-5662	25.00	5.50	99.00	45°	ST	CG
JIMNY LIANA	01~	M13A (16)	4	IN	ISZ-0663	30.00	6.00	100.80	45°	ST	CG
				EX	ESZ-5663	25.00	6.00	99.00	45°	ST	CG
CERVO 9 VALVE CARRY		F5A IN-⑥ EX-③	3	IN	ISZ-0664	23.10	5.50	110.30	45°	F	CG
				EX	ESZ-5664	29.60	7.00	109.40	45°	F	CG
VITARA SX4	01~	J20A (16)	4	IN	ISZ-0665	36.95	6.00	101.10	45°	ST	CG
				EX	ESZ-5665	30.60	6.00	97.05	45°	ST	CG
GRAND ESCUDO GRAND VITARA XL-7	00~	N36 H27 (24)	V6	IN	ISZ-0666	32.95	6.00	93.50	45°	ST	CG
				EX	ESZ-5666	28.00	6.00	93.20	45°	ST	CG
KIZASHI GRAND VITARA	06~	J24B (16)	4	IN	ISZ-0667	35.50	5.50	100.65	45°	ST	CG
				EX	ESZ-5667	30.50	5.50	98.60	45°	ST	CG



ENGINE VALVE for MOTORCYCLE

SUZUKI

VEHICLE MODEL	IN/EX	DOKURO No.
GS150	IN	ISZ-0419
	EX	ESZ-5419
AX100	IN	ISZ-0420
	EX	ESZ-5420
XF650	IN	ISZ-0421
	EX	ESZ-5421
GS125/DR125 DR125 (MOD.VLEJO)	IN	ISZ-2401
	EX	ESZ-6401
FB50	IN	ISZ-2406
	EX	ESZ-6406
FB80	IN	ISZ-2407
	EX	ESZ-6407
DR250 (MOD.NVO)	IN	ISZ-2408
	EX	ESZ-6408
DR350	IN	ISZ-2409
	EX	ESZ-6409
DR250	IN	ISZ-2410
	EX	ESZ-6410
FB100	IN	ISZ-2411
	EX	ESZ-6411
FD110/FX110 FD110VIVA	IN	ISZ-2412
	EX	ESZ-6412
GSXR11	IN	ISZ-2413
	EX	ESZ-6413
GN125X	IN	ISZ-2414
	EX	ESZ-6415
GSX750	IN	ISZ-2415
	EX	
FD125	IN	ISZ-2416
	EX	ESZ-6416



ENGINE VALVE for MOTORCYCLE

SUZUKI

VEHICLE MODEL	IN/EX	DOKURO No.	
GN125H/GS125	IN	ISZ-2417	
	EX	ESZ-6417	
	IN	ISZ-2418	
	EX	ESZ-6418	
FD125	IN	ISZ-3416	
	EX	ESZ-7416	
GS150	IN	ISZ-0419	
	EX	ESZ-6418	
AX100-4	IN	ISZ-0420	
	EX	ESZ-5420	
XF650	IN	ISZ-0421	
	EX	ESZ-5421	



TOYOTA

VEHICLE MODEL		Year	ENGINE TYPE	CYL No.	IN EX	DOKURO No.	Head Dia.	Stem Dia.	Overall Length	Seat Angle	Head Style	Stem End
COROLLA	1500CC	78~	1A	4	IN	ITY-0546	36.00	7.00	106.70	45°	F	MG
TERCEL	1300CC	80~	2A									
CARINA	1500CC	80~	3A		EX	ETY-5546	31.00	7.00	106.70	45°	F	MG
CORONA	1600CC	83~	4A									
AE80/90/100 AL10/20 AT150/160/170												
COROLLA	1600CC	88~	4AF	4	IN	ITY-0569	30.00	6.00	91.50	45°	ST	CG
CARINA	1500CC	87~	5A									
AE92/95/101/104 AT190					EX	ETY-5569	24.60	6.00	92.00	45°	F	CG
COROLLA	1600CC 1800CC	87~	4AFE	4	IN	ITY-0598	31.00	6.00	87.50	45°	FR	CG
			⑬		EX	ETY-5589	24.50	6.00	88.00	45°	FR	CG
COROLLA GT	1600CC	83~	4AG	4	IN	ITY-0559	30.50	6.00	99.60	45°	ST	CG
CELICA					EX	ETY-5559	25.40	6.00	99.80	45°	ST	CG
MR2 AA63 AE86/92/101 AW11			⑬									
COROLLA	1800CC	96~	4AFE 7AFE	4	IN	ITY-0589	31.00	6.00	88.00	45°	FR	CG
AE102			⑬		EX	ETY-5589	24.50	6.00	88.00	45°	FR	CG
COROLLA	1600CC	91~	4AGE IN-⑧ EX-⑫	4	IN	ITY-0603	26.50	5.00	98.60	45°	FR	CG
					EX	ETY-5603	26.00	5.00	108.50	45°	FR	CG
HILANDER		08~	1AR 2700	4	IN	ITY-0640	36.50	5.50	103.95	45°	ST	CG
SIENNA			2AR 2500									
VENZA			2ARFXE 2500		EX	ETY-5640	31.00	5.50	112.90	45°	ST	CG
SION Tc Lexus ES CAMRY HYBRID			⑬									
CAMRY	2000/2400CC	00~	1AZ 2AZ	4	IN	ITY-0621	34.00	5.50	101.70	45°	ST	CG
RAV4												
WISH					EX	ETY-5621	29.45	5.50	101.20	45°	ST	CG
AVENSIS PICNIC PREVIA/TARAGO			⑬									
DYNA	3000CC	72~	B	4	IN	ITY-0538	45.00	9.00	128.00	45°	F	MG
LAND CRUISER					EX	ETY-5538	37.50	9.00	127.80	45°	F	MG
BU20/30/BJ4#												
DYNA	3000CC	77~	B	4	IN	ITY-0556	45.00	9.00	128.00	45°	F	CG
COASTER	3200CC	77~	2B									
LAND CRUISER					EX	ETY-5556	37.50	9.00	127.80	45°	F	CG
BU20/30/BJ4#												



TOYOTA

VEHICLE MODEL	Year	ENGINE TYPE	CYL No.	IN EX	DOKURO No.	Head Dia.	Stem Dia.	Overall Length	Seat Angle	Head Style	Stem End
DYNA 3000CC LAND CRUISER	77~	B 2B	4	IN	ITY-0586	44.00	9.00	128.00	45°	F	CG
				EX	ETY-5586	36.50	9.00	128.00	45°	F	CG
DYNA 3000CC LAND CRUISER	82~	B 2B	4	IN	ITY-0582	45.00	9.00	126.50	45°	F	CG
				EX	ETY-5582	37.50	9.00	126.40	45°	F	CG
DYNA 3400CC COASTER LAND CRUISER BJ4#/6#/BU/BB	80~	3B	4	IN	ITY-0544	46.00	9.00	128.30	45°	F	CG
				EX	ETY-5544	41.00	9.00	127.80	45°	F	CG
DYNA 3000CC COASTER LAND CRUISER	85~	11B	4	IN	ITY-0544	46.00	9.00	128.30	45°	F	CG
	3400CC 85~	13B		EX	ETY-5557	38.50	9.00	128.10	45°	F	CG
DYNA		11B	4	IN	ITY-0604	44.00	9.00	126.60	45°	F	CG
				EX	ETY-5604	36.40	9.00	126.60	45°	F	CG
DYNA LAND CRUISER BU6# /8# /9#		13B 14B	4	IN	ITY-0573	46.00	9.00	127.00	45°	F	CG
				EX	ETY-5573	38.50	9.00	128.00	45°	F	CG
					ETY-5585	38.50	9.00	126.50	45°	F	CG
					ETY-5599	41.10	9.00	126.50	45°	F	CG
DYNA 4100CC	88~	15B ⑩	4	IN	ITY-0613	37.00	7.00	126.50	45°	F	CG
				EX	ETY-5613	33.10	7.00	126.50	45°	F	CG
COROLLA VAN 1800CC CORONA VAN 2000CC CE7# /8# /CT150/160	81~	1C	4	IN	ITY-0552	38.50	8.00	106.50	45°	F	CG
	83~	2C		EX	ETY-5552	32.50	8.00	106.50	45°	F	CG
COROLLA VAN 18000CC CARINA 20000CC CE95/CT170	89~	1C	4	IN	ITY-0590	38.50	8.00	105.00	45°	F	CG
	90~	2C 3C		EX	ETY-5590	32.50	8.00	105.00	45°	F	CG
COROLLA 2000CC AVENSIS	99~	1CD-FTV ⑩	4	IN	ITY-0629	28.00	6.00	102.60	45°	F	CG
				EX	ETY-5629	24.00	6.00	102.00	45°	F	CG
TRUCK 6000CC 6500CC DA100	69~76	D 2D	6	IN	ITY-0535	47.00	10.00	161.70	45°	F	CG/MG
				EX	ETY-5535	42.90	10.00	161.50	45°	F	CG/MG
TRUCK 6500CC DA100	77~81	2D	6	IN	ITY-0536	47.00	10.00	158.70	45°	F	MG
				EX	ETY-5536	43.00	10.00	158.60	45°	F	MG



TOYOTA

VEHICLE MODEL	Year	ENGINE TYPE	CYL No.	IN EX	DOKURO No.	Head Dia.	Stem Dia.	Overall Length	Seat Angle	Head Style	Stem End
TRUCK 6500CC DA110/120	81~	2D	6	IN	ITY-0555	46.80	10.00	158.50	45°	F	CG
				EX	ETY-5555	42.80	10.00	158.50	45°	F	CG
COROLLA 1000CC STARLET 1300CC TERCEL 1500CC EP70/EL31/42 EE90	84~	1E	4	IN	ITY-0577	30.00	6.00	92.30	45°	ST	CG
	84~	2E		IN	ITY-0677	21.10	6.00	98.70	45°	F	CG
	86~	3E		EX	ETY-5577	31.10	6.00	92.40	45°	F	CG
SERA 1300CC TERCEL 1500CC EL4#/5#/EXY10	95~	4EFE	4	IN	ITY-0584	28.60	6.00	93.60	45°	FR	CG
		5EFE		EX	ETY-5584	24.50	6.00	94.00	45°	FR	CG
LAND CRUISER 3800CC	54~	F	6	IN	ITY-0539	44.00	8.00	153.00	45°	F	PG
				EX	ETY-5539	37.50	8.00	121.50	45°	F	PG
LAND CRUISER 3800CC FJ43	60~	F	6	IN	ITY-0540	44.00	8.00	152.60	45°	T	MG/NG
				EX	ETY-5540	37.60	8.00	121.20	45°	F	MG/NG
LAND CRUISER 3800CC FJ43	60~	F	6	IN	ITY-0541	46.00	8.00	125.00	45°	F	MG
				EX	ETY-5541	37.50	8.00	125.00	45°	ST	MG
LAND CRUISER 4200CC FJ40/43/45/55/60/70/80	75~	2F 3F	6	IN	ITY-0542	46.00	8.00	125.00	45°	ST	3CG
				EX	ETY-5542	37.50	8.00	125.30	45°	ST	3CG
				EX	ETY-5579	37.50	8.00	128.00	45°	ST	MG
LAND CRUISER 4500CC FZJ80	92~	1FZ	6	IN	ITY-0593	38.00	7.00	98.70	45°	ST	CG
				EX	ETY-5593	32.00	7.00	98.20	45°	FR	CG
CRESSIDA (GL16) 2000CC CELICA/CROWN GA60/GS126 GX60/70/80	80~	1G	6	IN	ITY-0548	36.00	7.00	109.50	45°	F	MG
				EX	ETY-5548	31.00	7.00	109.50	45°	F	MG
CRESSIDA	88~	1G	6	IN	ITY-0605	28.00	6.00	93.40	45°	FR	CG
				EX	ETY-5605	23.50	6.00	93.40	45°	FR	CG
FJ CRUISER 4000CC TUNDORA SEQUOIA FORTUNER PRADO	03~	1GR-FE	V6	IN	ITY-0632	36.50	5.50	107.00	45°	F	CG
				EX	ETY-5632	29.50	5.50	105.90	45°	ST	CG



TOYOTA

VEHICLE MODEL	Year	ENGINE TYPE	CYL No.	IN EX	DOKURO No.	Head Dia.	Stem Dia.	Overall Length	Seat Angle	Head Style	Stem End
MARK X RX350 ES350 RAV 4	06~	2GR-FE 3500 (24)	V6	IN	ITY-0636	38.00	5.50	105.85	45°	FR	CG
				EX	ETY-5636	32.00	5.50	110.40	45°	ST	CG
REIZ CROWN ES300 GS300	06~	3GR-FE 3000 5GR-FE (24) 2500	V6	IN	ITY-0638	34.45	5.50	105.60	45°	FR	CG
				EX	ETY-5638	29.00	5.50	111.50	45°	ST	CG
DYNA 3600CC LAND CRUISER 4000CC COASTER HU30/40/59/HJ47/60/75	69~ 82~	H 2H	6	IN	ITY-0545	42.00	9.00	120.90	45°	F	CG
				EX	ETY-5545	35.00	9.00	120.80	45°	F	CG
LAND CRUISER HZJ7# /8# /HDJ8#	90~	1HZ 1HDT	6	IN	ITY-0578	42.50	8.00	103.60	45°	F	CG
				EX	ETY-5578	36.00	8.00	103.40	45°	F	CG
LAND CRUISER HDJ-80 4200CC	95~	1HD-FTE	6	IN	ITY-0616	33.00	7.00	127.20	45°	F	CG
				EX	ETY-5616	30.50	7.00	126.80	45°	F	CG
DYNA 2400CC 2500CC JU30	65~ 68~	J 2J	4	IN	ITY-0537	40.50	9.00	120.50	45°	F	MG
				EX	ETY-5537	33.50	9.00	120.60	45°	F	MG
TOYOACE 2500CC JU16/30	81~	2J	4	IN	ITY-0549	40.50	9.00	120.90	45°	F	CG
				EX	ETY-5549	33.50	9.00	120.60	45°	F	CG
CROWN 2500/3000CC LEXUS GS300	99~	1JZ 2JZ (24)	6	IN	ITY-0620	33.50	6.00	98.50	45°	ST	CG
				EX	ETY-5620	29.00	6.00	99.10	45°	ST	CG
PUBLICA 1100CC COROLLA	66~	K	4	IN	ITY-0501	34.00	8.00	100.00	45°	ST	MG/CG
				EX	ETY-5501	28.00	8.00	100.20	45°	ST	MG/CG
PUBLICA 1100CC COROLLA	66~	K	4	IN	ITY-0502	34.00	8.00	100.00	45°	ST	MG
				EX	ETY-5502	28.00	8.00	100.00	45°	F	MG
COROLLA 1200CC STARLET KP42/KE20/25	69~	2K 3K	4	IN	ITY-0503	36.00	8.00	100.00	45°	F	MG/CG
				EX	ETY-5503	29.00	8.00	100.00	45°	ST	MG/CG
COROLLA 1300CC STARLET 1300CC TAMARAW 1500CC KIJAN KF1# /2# /4# /5# KE30 /KE7# /KP6#	69~ 78~ 83~	3K 4K 5K 7K	4	IN	ITY-0504	36.00	8.00	100.00	45°	F	MG
				EX	ETY-5504	29.00	8.00	100.00	45°	F	MG
				EX	ETY-5505	29.00	8.00	100.00	45°	F	MG
REVO 1800CC	95~	7K	4	IN	ITY-0606	36.00	8.00	100.00	45°	FR	CG
PRADO 3000CC FORTUNER HILUX	00~	1KD-FTV (16)	4	IN	ITY-0624	32.15	6.00	105.50	45°	F	CG
				EX	ETY-5624	27.80	6.00	105.50	45°	F	CG
DYNA 2500CC COMMUTER INNOVA	04~	2KD-FTV (16)	4	IN	ITY-0625	30.50	6.00	105.80	45°	F	CG
				EX	ETY-5625	26.50	6.00	105.75	45°	F	CG



TOYOTA

VEHICLE MODEL	Year	ENGINE TYPE	CYL No.	IN EX	DOKURO No.	Head Dia.	Stem Dia.	Overall Length	Seat Angle	Head Style	Stem End
LAND CRUISER 90 PRADO,COROLADO 3000CC	96~	1KZT	4	IN	ITY-0570	42.40	8.00	103.50	45°	F	CG
				EX	ETY-5608	37.00	8.00	103.40	45°	F	CG
LAND CRUISER PRADO,COROLADO KZJ9S 3000CC	99~	1KZ-TE	4	IN	ITY-0610	42.50	8.00	104.40	45°	F	CG
				EX	ETY-5610	37.00	8.00	104.40	45°	F	CG
YARIS AYGO IQ BERTA PASSO	04~	1KR-FE ⑫	3	IN	ITY-0639	27.50	5.00	88.35	45°	F	CG
				EX	ETY-5639	23.60	5.00	89.10	45°	FR	CG
HILUX 2200CC HIACE 2400CC CRESSIDA/CROWN LN40/50/60 LH20/40/50/60/70 LX40/60/LS110/120	78~ 83~	L 2L	4	IN	ITY-0547	42.60	8.50	123.00	45°	F	3CG
				EX	ETY-5547	35.00	8.50	122.80	45°	F	3CG
HILUX 2400CC HIACE 2800CC CRESSIDA/CROWN LN80/LH100 LX80/76/LS130/140 2400CC	89~ 89~	2L 3L	4	IN	ITY-0570	42.40	8.00	103.50	45°	F	CG
				EX	ETY-5570	36.10	8.00	103.40	45°	F	CG
	90~	2L	4	EX	ETY-5578	36.00	8.00	103.40	45°	F	CG
HILUX LN150	98~	5L	4	IN	ITY-0609	42.50	8.00	104.40	45°	F	CG
				EX	ETY-5609	36.00	8.00	104.20	45°	F	CG
CROWN 2400CC MS5#	66~	M	6	IN	ITY-0530	40.00	8.00	113.00	45°	F	MG
				EX	ETY-5530	34.00	8.00	120.70	45°	F	MG
CROWN 2600CC	66~	M	6	IN	ITY-0526	40.00	8.00	114.20	45°	F	MG
				EX	ETY-5526	34.00	8.00	123.20	45°	F	MG
CROWN 2600CC MS85/95/111	74~	4M 5M	6	IN	ITY-0527	38.00	8.00	116.20	45°	ST	MG
				EX	ETY-5527	33.00	8.00	113.30	45°	ST	MG
CROWN 2800CC CELICA SUPRA MS112/123 MA55/61/67	80~	5M	6	IN	ITY-0528	42.00	8.00	116.40	45°	ST	MG
CROWN 2800CC MS125/135	84~ 85~	5M 6M	6	IN	ITY-0529	44.00	8.00	107.50	45°	F	MG
				EX	ETY-5529	36.00	8.00	109.80	45°	F	MG
SUPRA 3000CC MA70	86~	7M ⑭	6	IN	ITY-0571	32.00	6.00	98.20	45°	FR	CG
				EX	ETY-5571	27.60	6.00	98.20	45°	F	NG
AVALON 3000CC LEXUS ES300	99~	1MZ ⑭	V6	IN	ITY-0607	34.00	5.50	95.50	45°	FR	CG
				EX	ETY-5607	27.30	5.50	95.40	45°	FR	CG



TOYOTA

VEHICLE MODEL	Year	ENGINE TYPE	CYL No.	IN EX	DOKURO No.	Head Dia.	Stem Dia.	Overall Length	Seat Angle	Head Style	Stem End
STARLET 1500CC	87~	1N	4	IN	ITY-0611	34.00	6.00	91.30	45°	F	CG
				EX	ETY-5611	29.00	6.00	91.30	45°	FR	CG
YARIS IQ AURIS ETIOS	08~	1NR-FE 1300 2NR-FE 1500 ⑩	4	IN	ITY-0641	29.00	5.50	103.40	45°	F	CG
				EX	ETY-5641	24.25	5.50	104.50	45°	FR	CG
PREMIO/ALLION	03~	1NZ FE	4	IN	ITY-0634	30.50	5.50	102.20	45°	F	CG
				EX	ETY-5634	25.50	5.50	103.40	45°	F	CG
YARIS 1300CC ECHO 1500CC VITZ PRIUS	99~	1NZ-FE 2NZ-FE ⑩	4	IN	ITY-0612	30.50	5.00	89.20	45°	FR	CG
				EX	ETY-5612	25.50	5.00	88.00	45°	FR	CG
YARIS TDI ECHO TDI VERSO TDI PROBOX SUCCEED	1400CC	1ND-TV	4	IN	ITY-0623	30.70	6.00	100.00	45°	ST	CG
				EX	ETY-5623	28.00	6.00	100.00	45°	ST	CG
CORONA 1500CC	64~	2R	4	IN	ITY-0513	40.00	8.00	116.00	45°	F	NG/MG
				EX	ETY-5513	32.00	8.00	116.00	45°	F	NG/MG
CORONA 1500CC		2R	4	IN	ITY-0514	40.00	8.00	116.00	45°	F	MG
				EX	ETY-5514	32.00	8.00	116.00	45°	F	MG
CORONA 1500CC		2R	4	IN	ITY-0515	39.00	8.00	116.00	45°	F	MG/CG
				EX	ETY-5515	33.00	8.00	116.00	45°	F	MG/CG
CORONA 1900CC HIACE HILUX RT40/50 RH10/RN10	66~	3R	4	IN	ITY-0531	42.00	9.00	125.00	45°	F	NG/CG
				EX	ETY-5531	35.00	9.00	124.80	45°	F	NG/CG
CROWN 2000CC STOUT RS80/RK101	70~	5R	4	IN	ITY-0532	43.00	8.50	109.50	45°	ST	MG/CG
				EX	ETY-5532	37.00	8.50	109.50	45°	F	MG/CG
STOUT 2000CC DYNA	70~	5R	4	IN	ITY-0533	43.10	8.50	109.70	45°	F	2CG
				EX	ETY-5533	37.00	8.50	110.00	45°	ST	2CG
STOUT 2000CC DYNA CORONA RK101/110 RU20/30 RT100	79~	5R	4	IN	ITY-0534	43.00	8.50	109.50	45°	F	CG
				EX	ETY-5534	37.00	8.50	110.30	45°	ST	CG



TOYOTA

VEHICLE MODEL	Year	ENGINE TYPE	CYL No.	IN EX	DOKURO No.	Head Dia.	Stem Dia.	Overall Length	Seat Angle	Head Style	Stem End			
CORONA RT60/70/80 RX10	1700CC	70~	4	IN	ITY-0516	43.00	8.00	114.40	45°	ST	MG			
	1600CC	68~			7R	EX	ETY-5516	34.00	8.00	114.20	45°	F	MG	
	1800CC	68~			8R									
HILUX CORONA RN20/25 RT80	1600CC	70~	4	IN	ITY-0517	40.00	8.00	109.00	45°	ST	MG/CG			
					EX	ETY-5517	34.00	8.00	109.00	45°	F	MG/CG		
HILUX CORONA RN30/40 RT127/130	1600CC	77~	4	IN	ITY-0518	40.00	8.00	109.00	45°	F	CG			
					EX	ETY-5518	34.00	8.00	109.00	45°	F	CG		
HILUX CRESSIDA HIACE CORONA RT110/123/132 RN30/40 RH22/3#/4# RX30	1800CC	71~	4	IN	ITY-0519	41.00	8.00	113.20	45°	ST	MG			
	2000CC	71~			18R	EX	ETY-5519	36.00	8.00	113.30	45°	F	MG	
CRESSIDA MARKII(RX10) CARINA(RA11,RA15)	73~	18R	4	IN	ITY-0520	43.00	8.00	113.30	45°	F	MG			
					EX	ETY-5520	36.00	8.00	113.80	45°	FR	MG		
CRESSIDA DYNA RX60/70 RU50	2200CC	75~	4	IN	ITY-0523	43.00	8.00	115.60	45°	FR	MG			
	2000CC	78~			20R	21R	EX	ETY-5523	36.00	8.00	113.90	45°	F	MG
								ETY-5554	36.00	8.00	113.90	45°	ST	MG
CRESSIDA DYNA HILUX RX70/80 RU80/90 RN50/80/90/100	2000CC	84~	4	IN	ITY-0524	45.00	8.00	114.10	45°	F	MG			
	2200CC	84~			21R	22R	EX	ETY-5524	37.00	8.00	112.70	45°	F	MG
								ETY-5525	37.00	8.00	112.90	45°	ST	MG



TOYOTA

VEHICLE MODEL	Year	ENGINE TYPE	CYL No.	IN EX	DOKURO No.	Head Dia.	Stem Dia.	Overall Length	Seat Angle	Head Style	Stem End
HIACE 2000CC 2500CC RZH100/103/125	89~	1RZ	4	IN	ITY-0580	42.00	8.00	102.00	45°	ST	CG
	89~	2RZ		EX	ETY-5580	35.10	8.00	102.30	45°	FR	CG
HIACE 2500CC	89~	2RZE	4	IN	ITY-0596	46.00	8.00	102.20	45°	FR	CG
				EX	ETY-5596	38.10	8.00	102.20	45°	FR	CG
HIACE TACOMA 2700CC	95~	3RZE ⑩	4	IN	ITY-0600	37.50	6.00	104.00	45°	ST	CG
				EX	ETY-5592	30.60	6.00	104.00	45°	ST	CG
4 RUNNER HILUX TACOMA 2800CC 2700CC	95~	3RZFE ⑩	4	IN	ITY-0602	37.50	6.00	103.50	45°	FR	CG
				EX	ETY-5602	30.50	6.00	103.70	45°	FR	CG
YARIS VITZ 1000CC	99~	1SZ-FE ⑩	4	IN	ITY-0628	26.00	5.00	88.20	45°	ST	CG
				EX	ETY-5628	22.60	5.00	89.20	45°	ST	CG
CORONA CELICA CARINA SA60/ST150 1800CC 2000CC	82~	1S 2S	4	IN	ITY-0550	40.00	8.00	109.70	45°	F	MG
	82~			EX	ETY-5550	34.00	8.00	109.30	45°	ST	MG
CORONA CELICA ST170/180/190 2000CC	89~	3S ⑩	4	IN	ITY-0572	32.10	6.00	100.60	45°	ST	CG
				EX	ETY-5572	27.00	6.00	100.60	45°	F	CG
CAMRY CORONA	91~	3S 5S ⑩	4	IN	ITY-0591	32.00	6.00	97.50	45°	ST	CG
				EX	ETY-5591	27.00	6.00	98.50	45°	FR	CG
CAMRY	91~	3S 5S ⑩	4	IN	ITY-0594	32.00	6.00	97.50	45°	FR	CG
				EX	ETY-5594	27.00	6.00	98.50	45°	FR	CG
MR2 CELICA CAMRY	96~	3SG ⑩	4	IN	ITY-0583	33.40	6.00	103.00	45°	ST	CG
				EX	ETY-5583	29.00	6.00	102.00	45°	ST	CG
CELICA CARINAII 2000CC	94~	3SGE 3SGTE ⑩	4	IN	ITY-0622	33.50	6.00	100.60	45°	ST	CG
				EX	ETY-5622	29.00	6.00	99.60	45°	ST	CG



TOYOTA

VEHICLE MODEL	Year	ENGINE TYPE	CYL No.	IN EX	DOKURO No.	Head Dia.	Stem Dia.	Overall Length	Seat Angle	Head Style	Stem End
PREVIA 2400CC ESTIMA	90~	2TZ ⑩	4	IN	ITY-0592	36.00	6.00	103.70	45°	FR	CG
				EX	ETY-5592	30.60	6.00	104.00	45°	ST	CG
CARINA 1400CC CELICA 1600CC	70~	T	4	IN	ITY-0506	41.00	8.00	109.20	45°	F	MG/CG
	70~	2T		EX	ETY-5506	36.00	8.00	109.00	45°	F	MG/CG
CARINA 1600CC CELICA 1800CC CORONA/COROLLA TA1#/3#/4# TT100/TE2#	72~	2T	4	IN	ITY-0507	41.00	8.00	109.00	45°	F	MG
	72~	3T		EX	ETY-5507	36.00	8.00	109.00	45°	F	MG
INNOVA 2000CC HIACE	03~	1TR-FE ⑩	4	IN	ITY-0631	34.00	5.50	106.80	45°	ST	CG
				EX	ETY-5631	28.45	5.50	107.30	45°	F	CG
FORTUNER 2700CC HIACE HILUX PRADO	04~	2TR-FE ⑩	4	IN	ITY-0630	37.50	5.50	106.30	45°	F	CG
				EX	ETY-5630	31.50	5.50	106.75	45°	F	CG
LEXUS 4000CC CROWN	89~	1UZ ⑩	V8	IN	ITY-0619	33.45	6.00	95.10	45°	ST	CG
				EX	ETY-5619	28.00	6.00	97.00	45°	ST	CG
LAND CRUISER 4700CC UZJ100	98~	2UZ ⑩	V8	IN	ITY-0617	34.50	5.50	95.10	45°	ST	CG
				EX	ETY-5617	29.00	5.50	95.10	45°	ST	CG
LAND CRUISER 200 DIESEL	08~	1VD FTV ⑩	V8	IN	ITY-0633	30.15	6.00	104.40	45°	F	CG
				EX	ETY-5633	26.95	6.00	104.10	45°	F	CG
CAMRY 2500CC VZV21	88~	2VZ ⑩	V6	IN	ITY-0597	33.00	6.00	96.20	45°	F	CG
				EX	ETY-5597	27.30	6.00	96.20	45°	F	CG
4 RUNNER 3000CC CAMRY VZN100 VZN130	91~	3VZE ⑩	V6	IN	ITY-0587	42.00	8.00	104.30	45°	ST	CG
				EX	ETY-5587	35.00	8.00	104.20	45°	ST	CG



TOYOTA

VEHICLE MODEL	Year	ENGINE TYPE	CYL No.	IN EX	DOKURO No.	Head Dia.	Stem Dia.	Overall Length	Seat Angle	Head Style	Stem End
LEXUS ES300 CAMRY PRADO	90~	3VZFE 5VZFE ⑳	V6	IN	ITY-0595	34.10	6.00	95.60	45°	ST	CG
				EX	ETY-5595	27.30	6.00	95.00	45°	ST	CG
HILUX 3400CC 4 RUNNER CAMRY	95~	5VZFE ㉑	V6	IN	ITY-0601	34.00	6.00	95.20	45°	FR	CG
				EX	ETY-5601	27.30	6.00	95.00	45°	F	CG
DYNA		1W	4	IN	ITY-0565	45.00	9.00	123.10	60°	F	CG
				EX	ETY-5565	40.00	9.00	123.00	45°	F	CG
HILUX 1600CC HIACE 1800CC YH50/60 2000CC YH50/60 2400CC	82~	1Y 2Y 3Y 4Y	4	IN	ITY-0553	40.00	8.00	108.30	45°	F	CG
				EX	ETY-5553	36.00	8.00	108.60	45°	F	CG
COROLLA WISH VIOS AURIS AVENCIS	07~	1ZR 2ZR	4	IN	ITY-0635	32.05	5.50	109.35	45°	ST	CG
				EX	ETY-5635	27.50	5.50	108.25	45°	F	CG
COROOLA 1800CC CELICA ZZE122/ZZT230	99~	1ZZ-FE ㉒	4	IN	ITY-0614	32.00	5.50	88.80	45°	F	CG
				EX	ETY-5614	27.50	5.50	88.80	45°	F	CG
CELICA 1800CC ZZT231	99~	2ZZ-GE ㉓	4	IN	ITY-0618	34.00	5.50	111.30	45°	ST	CG
				EX	ETY-5618	29.50	5.50	111.70	45°	ST	CG
COROOLA 1600CC 1400CC	99~	3ZZ-FE 4ZZ-FE ㉔	4	IN	ITY-0615	31.00	5.50	88.80	45°	F	CG
				EX	ETY-5615	26.00	5.50	88.80	45°	F	CG
FORK LIFT		1Z/11Z	4	IN	ITF-0801	42.00	9.00	122.00	45°	F	CG
				EX	ETF-5801	35.00	9.00	122.00	45°	F	CG
FORK LIFT		1D-Z	4	IN	ITF-0802	36.00	8.00	108.60	45°	F	CG
				EX	ETF-5802	32.50	8.00	108.30	45°	F	CG
FORK LIFT			4	IN	ITF-0803	33.00	8.00	102.00	45°	F	CG
				EX	ETF-5803	27.00	8.00	101.00	45°	F	CG
FORK LIFT		3P/4P	4	IN	ITY-0567	36.00	8.00	103.50	45°	ST	MG
				EX	ETY-5567	30.00	8.00	103.50	45°	FR	MG
FORK LIFT		5P	4	IN	ITF-0804	44.00	9.00	117.80	45°	F	CG
				EX	ETF-5804	33.60	9.00	118.80	45°	F	CG



ENGINE VALVE for MOTORCYCLE

YAMAHA

VEHICLE MODEL	IN/EX	DOKURO No.
XT250/TT250 SR250	IN	IYH-2213
	EX	EYH-6213
XT/BW200 XT225 TT225S/T	IN	IYH-2214
	EX	EYH-6214
CRYPTON 105	IN	IYH-2215
	EX	EYH-6215
XC125	IN	IYH-2216
	EX	EYH-6216
YBR125	IN	IYH-2218
	EX	EYH-6218
XT250T	IN	IYH-2219
	EX	EYH-6219
XT-600	IN	IYH-2220
	EX	EYH-6220
	IN	IYH-2221
	EX	EYH-6221
	IN	IYH-2222
	EX	EYH-6222
	IN	IYH-2223
	EX	EYH-6223
FJ1200	IN	IYH-2225
	EX	EYH-6225
FZ16	IN	IYH-2226
	EX	EYH-6226
YW125	IN	IYH-2227
	EX	EYH-6227
	IN	IYH-3218
	EX	
	IN	IYH-3221
	EX	EYH-7221



ENGINE VALVE for MOTORCYCLE

YAMAHA

VEHICLE MODEL	IN/EX	DOKURO No.	
	IN	IYH-3222	
	EX	EYH-7222	
	IN	IYH-3223	
	EX	EYH-7223	
FZR1000	⑧ IN	IYH-2228	
	⑧ IN2	IYH-3228	
	EX	EYH-6228	
20VALVE	④		
	IN	IYH-2229	
	EX		



KOREAN/CHINESE SPECIFICATION

ASIA

VEHICLE MODEL	CYL No.	IN EX	DOKURO No.	Head Dia.	Stem Dia.	Overall Length	Head Style	Stem End
TOWNER	3	IN	IDH-0004	36.00	7.00	101.60	F	CG
		EX	EDH-5004	33.00	7.00	101.60	ST	CG

CHERY

VEHICLE MODEL	CYL No.	IN EX	DOKURO No.	Head Dia.	Stem Dia.	Overall Length	Head Style	Stem End
SPERANZA	4	IN	ICH-0001	32.70	6.00	108.10	F	3CG
		EX	ECH-5001	27.85	6.00	106.40	F	3CG

DAEWOO

VEHICLE MODEL	CYL No.	IN EX	DOKURO No.	Head Dia.	Stem Dia.	Overall Length	Head Style	Stem End
ESPERO SOHC	4	IN	IDW-0701	38.00	7.00	101.60	ST	CG
		EX	EDW-5701	31.00	7.00	101.60	F	CG
CIELO LANOS NUBIRA DOHC	4	IN	IDW-0604	30.30	6.00	102.50	ST	CG
		EX	EDW-5604	26.00	6.00	102.00	ST	CG
LANOS CIELO	4	IN	IDW-0603	38.00	7.00	103.50	ST	CG
		EX	EDW-5603	31.00	7.00	103.50	F	CG
RACER CIELO/MONZA SOHC	4	IN	IDW-0702	38.00	7.00	101.50	ST	CG
		EX	EDW-5702	31.00	7.00	101.50	F	CG
TICO MATIZ DAMAS 800CC	3	IN	IDW-0602	35.60	5.50	110.50	ST	CG
		EX	EDW-5602	31.80	5.50	110.50	ST	CG
AVEO ⑩	4	IN	IDW-0605	28.55	6.00	101.60	ST	CG
		EX	EDW-5605	27.20	6.00	101.20	ST	CG
OPTRA ⑩	4	IN	IDW-0606	32.05	6.00	102.15	ST	3CG
		EX	EDW-5606	29.00	6.00	92.40	ST	3CG



KOREAN/CHINESE SPECIFICATION

DAEWOO

VEHICLE MODEL	CYL No.	IN EX	DOKURO No.	Head Dia.	Stem Dia.	Overall Length	Head Style	Stem End
AVEO 16	4	IN	IDW-0607	37.95	6.00	104.10	ST	3CG
		EX	EDW-5607	31.00	6.00	104.00	ST	3CG
CHEV.SAIL 16	4	IN	ICH-0003	28.00	5.00	98.50	ST	CG
		EX	ECH-5003	24.40	5.00	99.20	ST	CG

HYUNDAI/KIA

VEHICLE MODEL	CYL No.	IN EX	DOKURO No.	Head Dia.	Stem Dia.	Overall Length	Head Style	Stem End
	4	IN	IMB-0305	34.00	6.50	102.00	ST	CG
		EX	EMB-5305	30.00	6.50	101.00	F	CG
ACCENT 95 ~ G4EK 1300CC	4	IN	IMB-0371	27.50	6.00	99.00	FR	CG
		EX	EMB-5371	32.00	6.00	98.50	FR	CG
ACCENT	4	IN	IMB-0409	29.10	6.00	91.90	F	CG
		EX	EMB-5409	25.00	6.00	92.50	F	CG
ACCENT CRDi VERNA CRDi DIESEL	4	IN	IMB-0420	26.20	5.50	93.00	F	3CG
		EX	EMB-5420	21.00	5.50	93.70	F	3CG
ACCENT SOUL G4F	4	IN	IMB-0433	31.50	5.50	93.15	F	CG
		EX	EMB-5433	26.00	5.50	92.65	F	CG
ATOS	4	IN	IMB-0390	23.00	5.50	100.40	F	CG
		EX	EMB-5390	27.00	5.50	100.00	F	CG
BA/BX	4	IN	IMB-0338	40.00	8.00	136.60	F	CG
		EX	EMB-5338	34.00	8.00	136.50	F	CG
D4AF	4	IN	IMB-0313	44.00	9.00	137.10	F	NG
		EX	EMB-5313	37.00	9.00	137.10	F	NG
ELANTRA G15 1500CC	4	IN	IMB-0348	35.10	6.60	101.60	ST	CG
		EX	EMB-5305	30.00	6.60	101.00	F	CG
ELANTRA 96 ~ DOHC 1600CC	4	IN	IMB-0396	30.00	6.00	102.90	ST	CG
		EX	EMB-5396	25.50	6.00	105.30	F	CG
ELANTRA 1800CC	4	IN	IMB-0397	32.00	6.00	102.30	ST	CG
		EX	EMB-5397	27.50	6.00	104.85	F	CG



KOREAN/CHINESE SPECIFICATION

HYUNDAI/KIA

VEHICLE MODEL	CYL No.	IN EX	DOKURO No.	Head Dia.	Stem Dia.	Overall Length	Head Style	Stem End
H100	4	IN	IMB-0401	40.00	8.00	132.55	F	CG
		EX	EMB-5401	34.00	8.00	132.55	F	CG
H100	4	IN	IMB-0411	42.00	8.00	132.05	F	CG
		EX	EMB-5411	36.00	8.00	132.10	F	CG
H1 CRDi DIESEL	4	IN	IMB-0419	31.80	7.00	110.65	F	3CG
		EX	EMB-5419	28.00	7.00	110.60	F	3CG
MATRIX TUCSON G4JP	4	IN	IMB-0400	32.00	6.00	114.30	ST	CG
		EX	EMB-5400	27.55	6.00	116.75	F	CG
SONATA G4DR DOHC	4	IN	IMB-0346	34.00	6.50	109.7 0	F	CG
		EX	EMB-5346	30.50	6.50	109.80	F	CG
SONATA 94 ~ OPTIMA (KIA) 95 ~	6	IN	IMB-0383	32.00	6.00	96.20	F	CG
		EX	EMB-5383	27.50	6.00	97.20	F	CG
SONATA	4	IN	IMB-0431	35.00	5.50	113.20	F	CG
		EX	EMB-5431	29.00	5.50	105.90	F	CG
STAREX/GRACE DSL D4BB H100 GALLOPER TURBO	4	IN	IMB-0372	42.00	8.00	136.00	F	CG
		EX	EMB-5372	36.00	8.00	136.00	F	CG
TERRACAN 2500CC H1 DIESEL	4	IN	IMB-0369	40.00	8.00	130.00	F	CG
		EX	EMB-5369	34.00	8.00	130.00	F	CG
TRAJET ELANTRA MATRIX SANTA FE D4EA	4	IN	IMB-0410	28.55	6.00	95.80	F	CG
		EX	EMB-5410	24.30	6.00	95.45	F	CG
BESTA 96 ~ 2700CC	4	IN	IMZ-0300	41.00	9.00	114.50	F	CG
		EX	EMZ-5300	35.00	9.00	114.70	ST	CG
B5 DOHC	4	IN	IMZ-0284	31.00	6.00	105.50	ST	CG
		EX	EMZ-5279	26.20	6.00	105.40	ST	CG
CARENS SPECTRA 1.8	4	IN	IMZ-0320	31.55	6.00	102.95	ST	CG
		EX	EMZ-5320	27.00	6.00	101.50	ST	CG
CARNIVAL	4	IN	IMZ-0302	31.50	6.00	90.00	ST	CG
		EX	EMZ-5302	27.60	6.00	90.00	ST	CG



KOREAN/CHINESE SPECIFICATION

HYUNDAI/KIA

VEHICLE MODEL	CYL No.	IN EX	DOKURO No.	Head Dia.	Stem Dia.	Overall Length	Head Style	Stem End
CLARUS/CREDOS SPORTAGE	4	IN	IMZ-0299	33.70	6.00	103.20	ST	CG
		EX	EMZ-5299	29.00	6.00	104.50	ST	CG
MATRIX TUCSON G4JP	4	IN	IMB-0400	32.00	6.00	114.30	ST	CG
		EX	EMB-5400	27.55	6.00	116.75	F	CG
PICANTO	4	IN	IMB-0407	23.45	5.50	99.50	F	CG
		EX	EMB-5407	27.10	5.50	99.10	F	CG
PREGIO 2.7	4	IN	IMZ-0310	42.40	8.50	112.90	F	CG
		EX	EMZ-5311	37.30	8.50	112.80	F	CG
PREGIO 3.0	4	IN	IMZ-0311	44.00	8.50	112.80	F	CG
		EX	EMZ-5311	37.30	8.50	112.80	F	CG
PRIDE	4	IN	IMZ-0290	32.00	7.00	105.30	ST	CG
		EX	EMZ-5291	28.00	7.00	104.20	ST	CG
R2	4	IN	IMZ-0278	41.00	8.00	107.00	F	CG
		EX	EMZ-5278	36.00	8.00	106.80	ST	CG
RIO 1.3	4	IN	IMZ-0316	37.20	6.50	104.95	ST	CG
		EX	EMZ-5316	31.60	6.50	103.50	F	CG
RIO 1.5	4	IN	IMZ-0317	27.75	5.50	96.50	ST	CG
		EX	EMZ-5317	24.90	5.50	95.60	F	CG
SL	4	IN	IMZ-0280	45.40	9.00	114.60	F	CG
		EX	EMZ-5280	38.30	9.00	114.60	F	CG
SPECTRA RIO 1.6	4	IN	IMZ-0321	29.10	5.50	96.30	ST	CG
		EX	EMZ-5321	25.70	5.50	95.15	ST	CG
KIA DIESEL 2.9	4	IN	IMB-0421	33.95	7.00	126.60	ST	CG
		EX	EMB-5421	31.50	7.00	126.30	ST	CG

SSANGYONG

VEHICLE MODEL	CYL No.	IN EX	DOKURO No.	Head Dia.	Stem Dia.	Overall Length	Head Style	Stem End
TUNED BY MERCEDES	5	IN	IMD-0201	38.00	8.00	106.30	F	CG
		EX	EMD-5201	35.00	9.00	106.50	F	CG