



MADE IN JAPAN

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MADE IN JAPAN



**GUIDES
SEATS**

DOKURO

~We have been running since 1949

ENGINE VALVES

2006

**JAPAN ENGINE VALVE MFG. CO., LTD.
OSAKA JAPAN**

INTRODUCTION

IT IS OUR PLEASURE THAT WE, JAPAN ENGINE VALVE MFG. CO., LTD. INTRODUCE NEW CATALOGUE FOR "DOKURO" ENGINE VALVES, GUIDES AND SEATS.

IN COMPILING THIS CATALOGUE, WE HAVE TRIED TO BE AS COMPREHENSIVE AS POSSIBLE, AND TO PROVIDE THE LATEST INFORMATION WHICH WILL ALLOW YOU TO FIND THE CORRECT PART NUMBERS AND APPLICATION WITH A MINIMUM OF DIFFICULTY.

WE WOULD APPRECIATE BEING ADVISED OF ANY INACCURACIES WHICH MIGHT COME TO YOUR ATTENTION, IF WOULD BE ANY.

INTRODUCCION

NOS ES GRATO QUE NOSOTROS, JAPAN ENGINE VALVE MFG. CO., LTD. INTRODUCIMOS EL CATALOGO NUEVO PARA VALVULA DE MOTORES Y GUIAS LOS CUALES SON DE MARCA "DOKURO".

EN EL PROCESO DE LA COMPILACION DE ESTE CATALOGO, NOS HEMOS ESFORZADO CON TODA FUERZA CON LA MEJOR INFORMACION LO MAS PRUDENTEMENTE POSIBLE PARA QUE SE PUEDA ENCONTRAR SUS NUMEROS Y LA APLICACION CON MINIMA DIFICULTAD.

SERA APRECIADO DEBIDAMENTE QUE NOS INFORMEN SI SE ENCUENTRA ERROR POSIBLE RESPECTO AL CONTENIDO DE ESTE CATALOGO.

IMPORTANT NOTICE

THE DATA LISTED HEREIN CORRECT TO THE BEST OF OUR KNOWLEDGE AND BELIEF, HAVING BEEN COMPILED FROM RELIABLE AND OFFICIAL SOURCES. HOWEVER, WE NOT ASSUME ANY RESPONSIBILITY FOR POSSIBLE ERROR.

NOTICIA IMPORTANTE

LOS DATOS INSCRITOS AQUI SON CORRECTOS POR NUESTROS LOS MEJORES CONOCIMIENTOS Y CREENCIAS, HABIENDOSE COMPILADO DE DIGNO DE CONFIANZA Y FUENTE OFICIAL. SIN EMBARGO. NO PODEMOS ASUMIR NINGUNA RESPONSABILIDAD POR ERROR POSIBLE.

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DOKURO

ENGINE VALVE

"Dokuro" Engine Valves apply to different kinds of materials/special treatments according to OE specifications as follows;

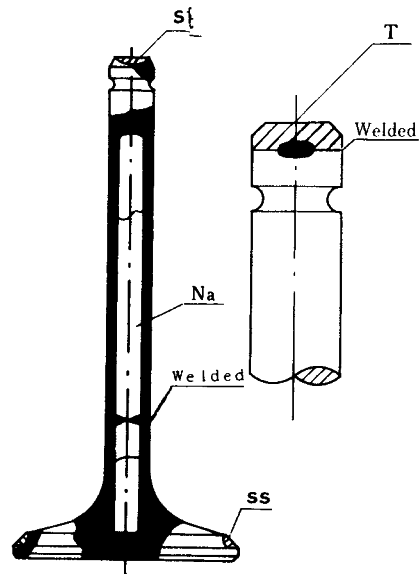
SPECIFICATIONS of MATERIALS/SPECIAL TREATMENTS

MATERIALES SYMBOL

- W** Chromium–Manganium–Molybdenum–Steel (JIS SCM4)
Alloy steels applied to Inlet Valves.
- H** Silicon–Chromium (Silchrom 1) (JIS SUH 11) Apply to Inlet Valve only
- A** Silicon–Chromium–Molybdenum–Steel (JIS SUH3) Apply to Inlet Valves (may apply to Exhaust Valves of light engines)
- B** High Chromium–Mangane Austenitic Steel (JIS SUH35) (Anti Magnetic Steel 21–4N) Apply to Exhaust Valves of heavy duty engine
- 80A** Nimonic 80A (NiCr20TiAl)

SPECIAL TREATMENTS SYMBOL

- S** ss Valve seat : Stellite No.6 or No.32 (F)
st Tip : Stellite No.1
- T** Wafer welded valves Small wafer (normally in our A material) is welded at the valve tip.
- C** Chromium plated valve stems
- N** Soft nitrided valves Soft nitrided finish, in other words "Tufftride", or so called "Black Finish" in general. The significance of these improvements resulting from soft nitriding is of course an extended valve life.
- Na** Sodium cooled valves Demands are increasing for racing car engines, for severe operating purposes and for long run under high speeds. Sodium affects lowering temperature at valve head.
- Bi** These are required for some types of engines, to economically provide a valve with the head resistant to heat, corrosion and mechanical stresses and the stem with good wear resistance. The bi–metallic Valve has the head made from a high temperature and corrosion resistant steel, and the stem made from a steel (usually martensitic) with good mechanical properties at medium temperatures. This combination is highly recommended for Exhaust Valves.





DOKURO

VALVULAS DE MOTOR

Valvulas de motor "Dokuro" aplica diferentes clases de materiales / tratamientos especiales de acuerdo con las especificaciones de equipo original como siguientes.

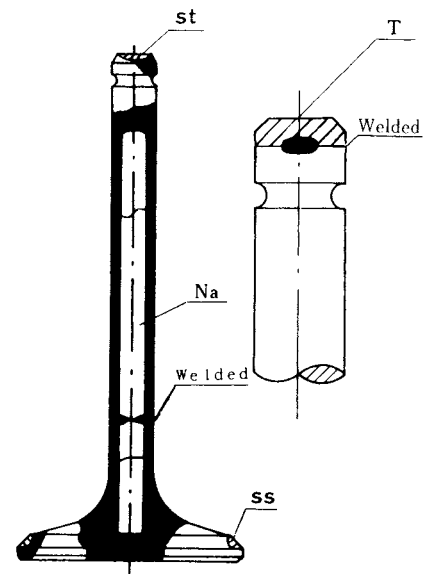
ESPECIFICACIONES DE MATERIALES/TRATAMIENTOS ESPECIALES

SIMBOLO DE MATERIALES

- H Silicon-Chromium (Silichrom 1) (JIS SUH11) Aplicados a valvulas de admision solamente.
- A Silicon-Chromium-Molybdenum-Steel (JIS SUH3) Aplicados a Valulas de admision (se puede aplicar a valvulas de escape de motores livianos)
- B High Chromium-Mangane Austenitic Steel (JIS SUH35) (Anti Magnetic Steel 21-4N) Aplicados a valvulas de motores de equipos pesados.

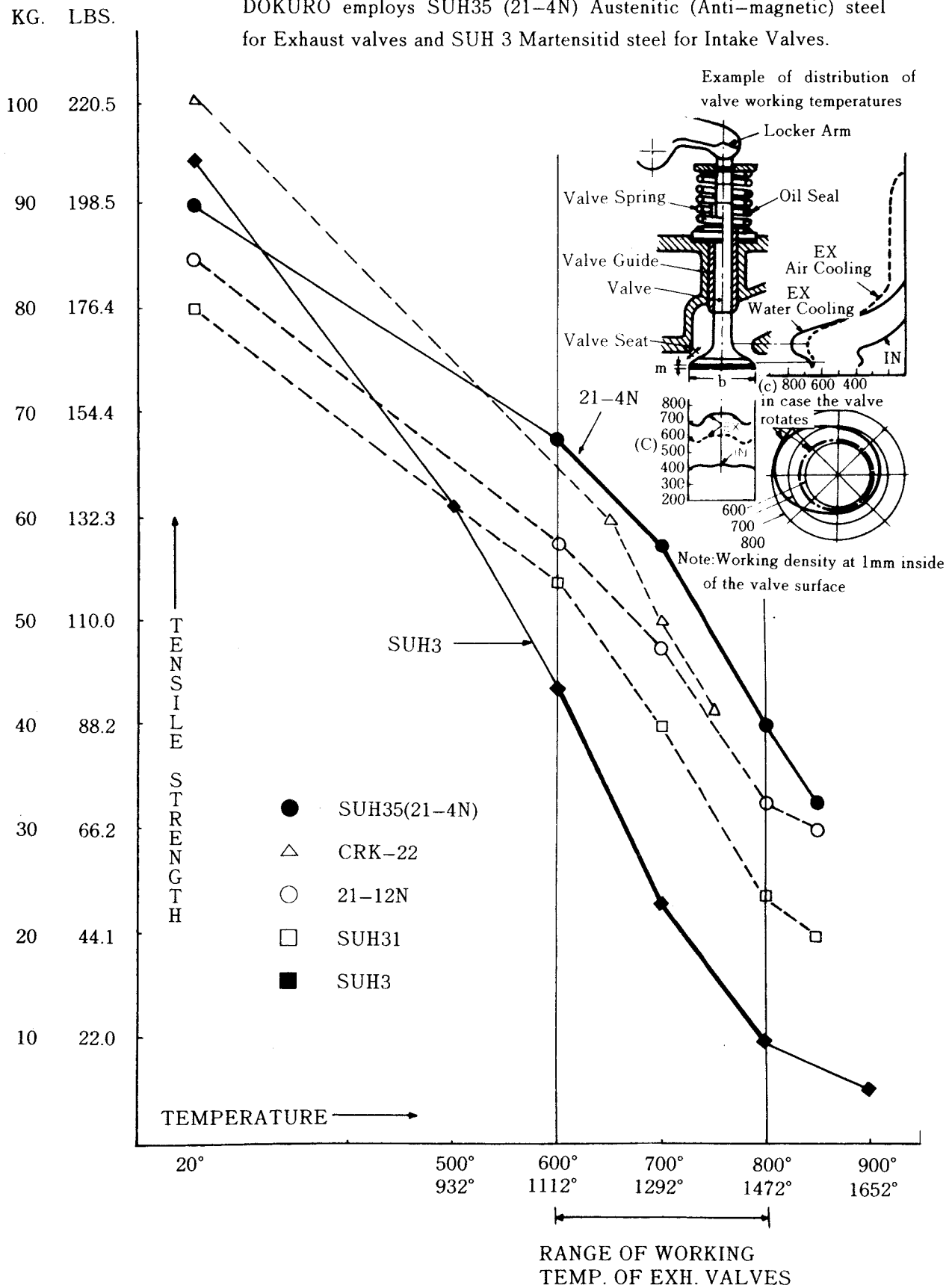
SIMBOLO DE TRATAMIENTO ESPECIAL

- S ss Asiento de valvula ; Stellite No.1 Stellite No.6 o No. 32 (F)
st Tip :
- T Wafer welded valvula, wafer pequeno (normalmente en nuestro mdterial A) es soldado en valve tip.
- C Chromium pated valve stems
- N Soft Nitrited valves, Soft Nitrited finish, en otras palabras "Tufftride", o llamado "Black Finish" en general. El significado de estos mejoramientos resultando de soft nitriding es la extension de vida de las valvula.
- Na La demanda de Sodium Cooled Valves se esta incrementando para motores para carros de carrera para el proposito de opracion dura y para mucho tiempo de carrera bajo alta velocidad. Sodium baja la temperatura en la cabeza de la valvula.



COMPARISON OF VARIATION OF TENSILE STRENGTH BY DIFERENT STRUCTURAL MATERIAL FOR ENGINE VALVES

DOKURO employs SUH35 (21-4N) Austenitic (Anti-magnetic) steel for Exhaust valves and SUH 3 Martensitid steel for Intake Valves.



CHEMICAL ANALYSIS

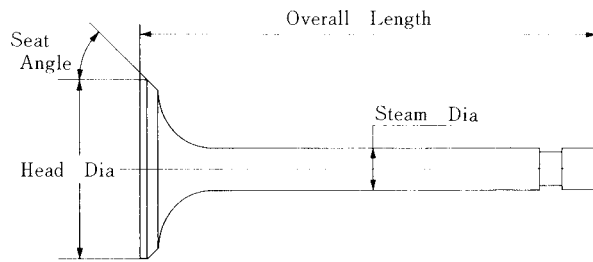
DOKURO Symbol	JIS	SAE	BS	C	Si	Mn	P	S	Ni	Cr	Mo	N	W	Approximate Equivalents		Apply
														TRW	EATON	
W	SCM 4	4140	EN49	0.43	0.35	0.85	0.03	0.03	—	1.2	0.3	—	—			I N
	SNCM 7	8645	EN100D	0.4	0.4	0.65	0.03	0.035	0.9	0.75	0.2	—	—		I	I N
	SNCM 8	4030	EN24	0.44	0.35	0.7	0.03	0.035	1.7	1.4	0.35	—	—	N		I N
A	SUH 3			0.45	2.5	0.6	0.03	0.03	0.6	12.0	1.3	—	—			I N & E X
H	SUH11	HNV 3	EN52	0.5	3.0	0.6	0.03	0.035	0.5	8.5	—	—	—	S	H	I N
B	SUH35 (21-4N)	EV 8	349S54	0.58	0.35	10.0	0.04	0.045	4.5	22.0	—	0.4	—	T	D	E X
			EN54	0.5	1.75	1.2	0.045	0.045	10.0	14.0	3.0	—	—	K	K	E X
	SUH 4	ENV 6	EN59	0.85	2.25	0.6	0.03	0.03	1.65	20.5	—	—	—			E X
D	SUH31	EV 9		0.45	2.5	0.6	0.04	0.03	14.0	15.0	—	—	3.0			E X(Diesel)
R	CRK22			0.35	1.0	1.2	0.25	0.03	12.0	21.0	2.5	—	—			E X
80 A	Nimonic 80A	HEV 6		0.05	1.5	1.0			Balance	20.0	Co 18.0	Al 1.2	Ti 2.5			E X

Facing alloys

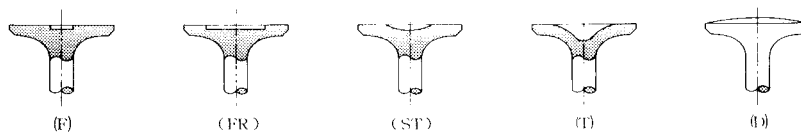
Facing alloys	Ni	C	Co	Cr	W	Fe	Melt.P(C)	HRC	Apply
STELLITE No 1	—	1.0	Balance	28.0	4.0	3.0Max	1,290	44	Seat
STELLITE No 6	—	2.5	Balance	30.0	12.0	3.0Max	1,265	54	Tip
STELLITE No32(F)	22.0	1.8	Balance	26.0	12.0	2.0Max	1,300	42	Seat

DIMENSIONS & SYMBOLS

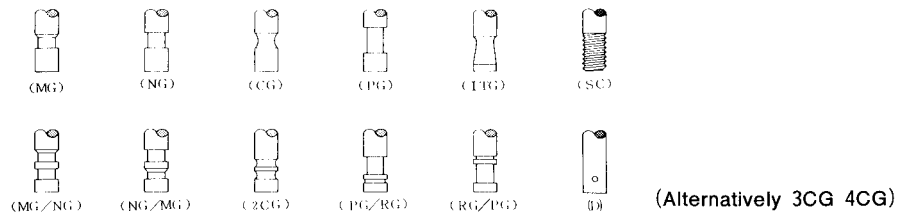
VALVE DIMENSIONS



HEAD STYLES



STEM ENDS



〈SPECIFICATIONS OF "DOKURO" ENGINE VLAVES〉

GRADE	MATERIALS	STELLITE		TIP WELDED	SURFACE TREATMENT		GRIND AFTER NITRIDED	
		TIP	SEAT		NITRIDE	CHROME	TIP	SEAT
A	SUH3/11							
AC	SUH3/11					YES		
AN	SUH3/11				YES			
B	SUH35							
BNG	SUH35				YES		YES	YES
BNTG	SUH35				YES		YES	
BS	SUH35	YES	YES					
BSNG	SUH35	YES	YES		YES		YES	YES
BSS	SUH35		YES					
BST	SUH35	YES						
BSTNTG	SUH35	YES			YES		YES	
BT	SUH35			YES				

DESCRIPTION OF TUFFTRIDE

The tufftride compound layer is composed of tough carbon-bearing epsilon iron nitride which provides extreme hardness and superior wear and seizure resistance. The diffusion layer improves the fatigue endurance and pitting resistance of treated materials.

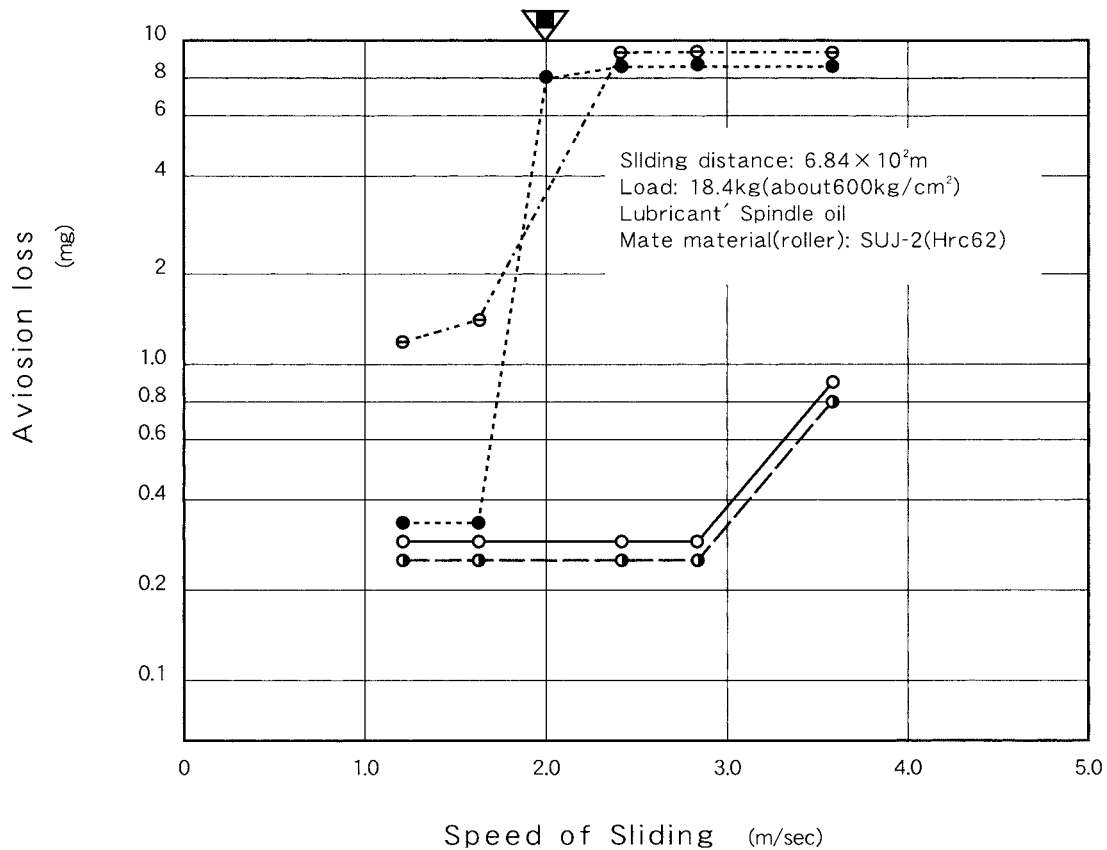
1. ENHANCEMENT OF ABRASION RESISTANCE

The figure below illustrates the results of an abrasion test comparing tufftride treated steels with steels using other heat treatment method.

- ⊖ Carbon steel with heat treatment
- ◐ Tufftride treated steel
- Tufftride treated steel
- Chrome and Molibdenum steel with carburizing and quenching

When the speed of sliding is 2.0m/sec, non-tufftride treated steel shows 8.0-9.0 mg. abrasion loss.

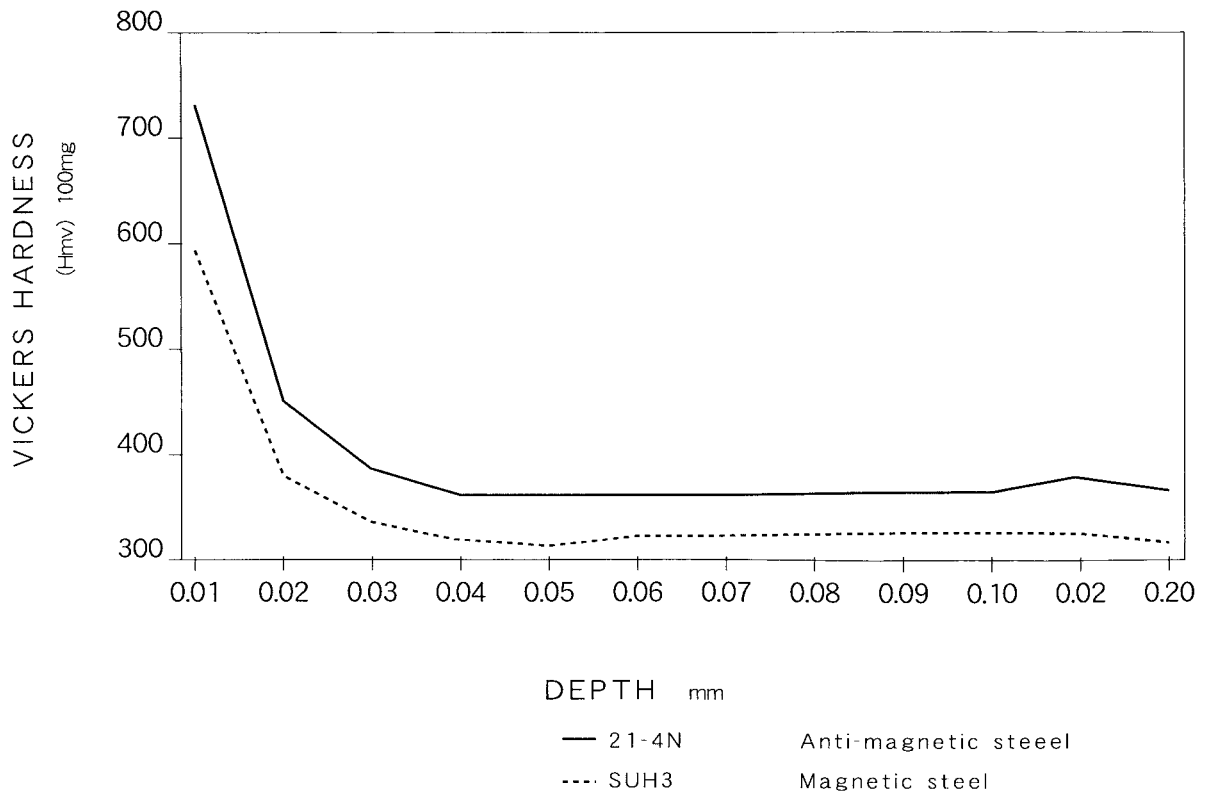
On the contrary tufftride treated steel shows only 0.3mg



2. HARDNESS DISTRIBUTION CHARACTERISTICS OF TUFFTRIDE TREATED STEEL

The figure below illustrates the hardness distribution of tufftride treated steel. The hardness of non-treated SUH-3 steel is 320 Hmv. And that of 21-4N is 360 Hmv.

As a result, the hardness is DOUBLED with tufftride treatment.



3. IMPROVED HEAT RESISTANCE

The hardness of carburized or induction hardened steels start to drop at about 400F. Tufftride treated steels retain stability in the compound layer till about 930F.

Beneficiaries of the tufftride process are wear resistant parts used under high temperature conditions like: casting die, engine valves etc.



DAIHATSU

VEHICLE MODEL	Year	ENGINE TYPE	CYL No.	IN EX	DOKURO No.	REFERENCE 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	13711-87101 -87102 4023-1641	32.00	7.00	95.00	45°	ST	
				EX	EDH-5002	13715-87101/4 -87102 4023-1642	29.00	7.00	95.00	45°	FR	
DELTA 2530CC DV2# /3#	69~77	DG	4	IN	IDH-0003	13711-87305 87304	40.00	9.00	136.20	45°	ST	CG
				EX	EDH-5003	13715-87305 87304	33.00	9.00	136.20	45°	F	CG
HI JET/CHARADE 547/1000CC S4# /5# /6# 7# G10/11/100	77~	AB/CB	3/4	IN	IDH-0004	13711-87701/2 -87705	36.00	7.00	101.60	45°	F	CG
				EX	EDH-5004	13715-87701 -87702	33.00	7.00	101.60	45°	ST	CG
DELTA 2530CC DV26/36	77~	DG	4	IN	IDH-0005	13711-87306	40.00	9.00	127.60	45°	F	MG
				EX	EDH-5005	13715-87307 -87309	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	13711-87308	40.00	9.00	127.60	45°	F	CG
				EX	EDH-5006	13715-87311	33.00	9.00	127.60	45°	F	CG
CHARADE 993CC G30/G101	82~	CL	3	IN	IDH-0007	13711-87704	36.00	7.00	104.90	45°	ST	CG
				EX	EDH-5007	13715-87703	32.00	7.00	105.10	45°	F	CG
DELTA 2800CC V5#	85~	DL	4	IN	IDH-0008	13711-87312 -87314	42.00	9.00	127.60	45°	F	CG
				EX	EDH-5008	13715-87319 -87317 -87322	35.00	9.00	127.60	45°	F	CG
CHARADE 1300CC APPLAUSE 1600CC FEROZA G101/A101	89~	HC HD ⑩	4	IN	IDH-0010	13711-87104 -87103	30.00	6.60	112.60	45°	F	CG
				EX	EDH-5010	13715-87106 -87105	26.00	6.60	114.80	45°	F	CG
KANCIL 660CC MALAYSIAN SPEC L200		EF/CL	3	IN	IDH-0013	13711-87201	30.00	7.00	112.50	45°	F	CG
				EX	EDH-5013	13715-87201	26.00	7.00	112.60	45°	F	CG



DAIHATSU

VEHICLE MODEL	Year	ENGINE TYPE	CYL No.	IN EX	DOKURO No.	REFERENCE No.	Head Dia.	Stem Dia.	Overall Length	Seat Angle	Head Style	Stem End
CHRADE 1000CC		CB	3	IN	IDH-0014	13711-87707	30.00	6.00	107.00	45°	ST	CG
				EX	EDH-5014	13715-87707	26.00	6.00	107.20	45	ST	CG
KANCIL EL201 850CC		EF/CL ED	3	IN	IDH-0015	13711-87202	34.00	7.00	111.20	45°	ST	CG
				EX	EDH-5015	13715-87202	28.00	7.00	110.40	45°	FR	CG
MOVE STORIA SIRION 1000CC	97~	EJ	3	IN	IDH-0016	13711-97205	24.50	5.00	79.20	45°	ST	CG
				EX	EDH-5016	13715-97203	21.00	5.00	79.80	45°	ST	CG
HI-JET ATRAI 660CC		EF		IN	IDH-0017	13711-87706	34.00	7.00	105.00	45°	F	CG
				EX	EDH-5017	13715-87705/6	30.00	7.00	105.10	45°	FR	CG
TERIOS YRV ATRAI CARGO 1300CC	02~	K3-VE Ⓜ	4	IN	IDH-0018	13711-97401	26.00	5.00	88.2	45°	ST	CG
				EX	EDH-5018	13715-97401	22.60	5.00	89.2	45°	ST	CG
HI-JET 660CC	99~	EF-SE	3	IN	IDH-0019	13711-97203	33.00	5.50	90.0	45°	ST	CG
				EX	EDH-5019	13715-97202	26.00	5.50	90.0	45°	ST	CG
CHARMANT A10/EP3 # /4 # /5 # 1200CC	69~	3K	4	IN	ITY-0503	13711-24010	36.00	8.00	100.00	45°	ST	MG
				EX	ETY-5503	13715-24010	29.00	8.00	100.00	45°	F	MG
CHARMANT A4 # 1600CC 1800CC	76~	2T/3T	4	IN	ITY-0507	13711-25011	41.00	8.00	109.00	45°	ST	MG
				EX	ETY-5507	13715-25011	36.00	8.00	109.00	45°	F	MG
CHARMANT A5 # /6 # 1500CC 1600CC	81~	3A/4A	4	IN	ITY-0546	13711-15010	36.00	7.00	106.70	45°	ST	MG
				EX	ETY-5546	13715-15010	31.00	7.00	106.70	45°	F	MG
BUS/TAFT SV17/F20/25 1600CC	70~	12R	4	IN	ITY-0517	13711-31040	40.00	8.00	109.00	45°	ST	MG
				EX	ETY-5517	13715-31040	34.00	8.00	109.00	45°	F	MG
DELTA DV23/3 # 2000CC	72~	5R	4	IN	ITY-0533	13711-44012	43.10	8.50	109.70	45°	ST	2CG
				EX	ETY-5533	13715-44021	37.00	8.50	110.00	45°	ST	2CG
DELTA/RCCKY A6 # /10 # 2000CC	85~	3Y/4Y	4	IN	ITY-0553	13711-71010	40.00	8.00	108.30	45°	ST	CG
				EX	ETY-5553	13715-71010	36.00	8.00	108.60	45°	ST	CG
DELTA A1 # 2530CC	72~	B/2B	4	IN	ITY-0538	13711-56010	45.00	9.00	128.00	45°	F	MG
				EX	ETY-5538	13715-56010	37.50	9.00	127.80	45°	F	MG
DELTA V48 3431CC	81~	3B	4	IN	ITY-0544	13711-58010	46.00	9.00	128.30	45°	F	CG
				EX	ETY-5544	13715-58010	41.00	9.00	127.80	45°	F	CG
DELTA A7 # 3400CC	85~	13B	4	IN	ITY-0544	13711-58010	46.00	9.00	128.30	45°	F	CG
				EX	ETY-5557	13715-58020	38.50	9.00	128.10	45°	ST	CG



HINO

VEHICLE MODEL	Year	ENGINE TYPE	CYL No.	IN EX	DOKURO No.	REFERENCE 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	13711-1310 2872-1305-00	53.00	11.00	161.40	60°	F	ITG
				EX	EHN-5051	13715-1450 2872-1306-01	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	13711-1320 2874-1301-01	50.00	10.00	157.00	60°	F	ITG
				EX	EHN-5052	13715-1460 2874-1302-01	43.00	10.00	157.00	45°	F	ITG
BUS 10178CC RC300/320/400/420	67~	DK10/20	6	IN	IHN-0053	13711-1130 2310-1301-01	57.00	12.00	175.00	60°	F	ITG
				EX	EHN-5053	13715-1150 2311-1302-01	51.00	12.00	175.50	45°	F	ITG
TRUCK/BUS 9036CC KB380/TC30	67~	EB100 EB200	6	IN	IHN-0054	13711-1140/1 2330-1301-20 2330-1301-12	54.00	11.70	175.00	60°	FR	ITG
				EX	EHN-5054	13715-1290 2330-1302-12	48.00	11.70	175.00	45°	F	ITG
TRUCK/BUS 5871CC KL3# /4# ,AM100/200	70~	EC100	6	IN	IHN-0055	13711-1180 2380-1301-10	46.50	9.00	132.50	45°	FR	CG
				EX	EHN-5055	13715-1330 2380-1302-10	37.70	9.00	132.50	45°	F	CG
TRUCK 13804CC KE700	71~	EF100 EG100	6 8	IN	IHN-0056	13711-1220 2390-1301-20	53.90	12.00	170.00	45°	F	2CG
				EX	EHN-5056	13715-1370 2390-1302-21	52.00	12.00	170.00	45°	F	2CG
TRUCK/BUS 4300CC RM/EM/HM/KM	64~	DM100 DQ100	6 6	IN	IHN-0057	13711-1170 2352-1301-01	43.70	9.00	137.80	45°	F	ITG
				EX	EHN-5057	13715-1320 2352-1302-01	36.20	9.00	137.80	45°	F	ITG
TRUCK 11581CC	71~	ED100	6	IN	IHN-0058	13711-1240 2400-1301-24	58.00	12.00	174.70	45°	F	ITG
				EX	EHN-5058	13715-1380 2400-1302-04	52.00	12.00	174.40	45°	F	ITG
TRUCK 11600CC	71~	ED100	6	IN	IHN-0059	13711-1250 2400-1320-00	58.00	12.00	174.70	45°	F	2CG
				EX	EHN-5059	13715-1390 2400-1302-20	52.00	12.00	174.40	45°	F	2CG



HINO

VEHICLE MODEL	Year	ENGINE TYPE	CYL No.	IN EX	DOKURO No.	REFERENCE No.	Head Dia.	Stem Dia.	Overall Length	Seat Angle	Head Style	Stem End
TRUCK 5900CC KL520	73~	EH100	6	IN	IHN-0060	13711-1200 2382-1301-00	49.70	9.00	132.50	45°	F	CG
				EX	EHN-5060	13715-1350 2382-1302-00	41.70	9.00	132.70	45°	F	CG
TRUCK 6200CC KL541/KR360	74~	EH300	6	IN	IHN-0061	13711-1100 -1210 2383-1301-10	50.00	9.00	133.40	45°	F	CG
				EX	EHN-5061	13715-1100 -1360 -1130/1 2383-1302-10	42.60	9.00	133.00	45°	F	CG
TRUCK 13267CC ZY/KY	80~	EK100	6	IN	IHN-0062	13711-1011	57.00	12.00	172.00	60°	F	2CG
		EK200		EX	EHN-5062	13715-1010/1 -1000	53.00	12.00	172.20	45°	F	2CG
TRUCK/BUS 16300CC KB/KF	81~	EF550 EF750	8	IN	IHN-0063	13711-1380 -1390 -1420 -1450/1 -1012	57.00	12.00	170.00	60°	F	CG
				EX	EHN-5063	13715-1012 -1013	53.00	12.00	170.00	45°	F	CG
TRUCK 9800CC KB	70~	EB300	6	IN	IHN-0064	13711-1030	54.00	12.00	175.30	60°	F	2CG
				EX	EHN-5064	13715-1040	48.00	12.00	175.30	45°	F	2CG
TRUCK/BUS 14232CC 14779CC 15920CC 19900CC ZM	75~	EF300	8	IN	IHN-0065	13711-1050	56.00	12.00	169.00	60°	F	CG
	76~	EF500	8			-1370						
	76~	EF700	8	EX	EHN-5065	13715-1060	52.00	12.00	169.00	45°	F	CG
	82~	EV700	8			-1061						
TRUCK/BUS 13800CC 14900CC KA/KF/TC/ZM	71	EF100 EG100	6 8	IN	IHN-0066	13711-1110 -1330	54.00	12.00	167.70	45°	F	2CG
				EX	EHN-5066	13715-1140	50.00	12.00	167.70	45°	F	2CG
TRUCK/BUS 9491CC FH/RV	81~	EM100	6	IN	IHN-0067	13711-1410 -1500	54.00	10.00	145.00	60°	F	CG
				EX	EHN-5067	13715-1240	48.00	10.00	144.00	45°	F	CG
TRUCK/BUS 6433CC 	78~	EH700	6	IN	IHN-0068	13711-1081 -1470/1	48.00	9.00	142.00	60°	F	CG
				EX	EHN-5068	13715-1111/0 -1081	42.00	9.00	142.00	45°	F	CG



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VEHICLE MODEL	Year	ENGINE TYPE	CYL No.	IN EX	DOKURO No.	REFERENCE No.	Head Dia.	Stem Dia.	Overall Length	Seat Angle	Head Style	Stem End
FT/FD/CD		EH700		EX	EHN-5069	13715-1220 -1520	41.30	9.00	142.00	45°	F	CG
TRUCK 8800CC	81~	EP100	6	IN	IHN-0070	13711-1430/1 -1530 -1541	50.00	10.00	145.00	60°	F	CG
FN/FR	EX			EHN-5070	13715-1260 -1580	46.40	10.00	145.00	45°	F	CG	
BUS 11600CC	78~	ER100 ER200	6	IN	IHN-0071	13711-1360	55.00	12.00	162.40	60°	F	CG
RC	EX			EHN-5071	13715-1470	51.00	12.00	162.40	45°	F	CG	
TRUCK 7862CC	78~	EL100	6	IN	IHN-0072	13711-1350	50.00	10.00	144.50	60°	F	CG
FG/LB/KK	EX			EHN-5072	13715-1070	46.40	10.00	144.50	45°	F	CG	
TRUCK 9800CC	71~	EB300 EB400	6	IN	IHN-0073	13711-1090/1	53.00	12.00	175.00	60°	F	CG
KB/RE	EX			EHN-5073	13715-1500 -1122	47.00	12.00	175.00	45°	F	CG	
TRUCK 4000CC 5800CC	83~	W04D W06D	4 6	IN	IHN-0074	13711-1441/3 -1520/1 -78010	45.40	9.00	123.10	60°	F	CG
	EX			EHN-5074	13715-1251 -1570 -78010	40.00	9.00	123.00	45°	F	CG	
TRUCK		H07C	6	IN	IHN-0076	13711-1550	47.90	9.00	134.70	60°	F	CG
	EX			EHN-5076	13715-1590	41.30	9.00	134.30	45°	F	CG	
TRUCK		DS56	6	IN	IHN-0077	13711-1340	50.00	11.00	161.30	45°	F	ITG
	EX			EHN-5077	13715-1570							
RANGER 8000CC	98~	JO8	6	IN	IHN-0078	13711-1630	39.00	7.00	133.00	45°	F	CG
	EX			EHN-5078	13715-1730	37.00	7.00	132.20	45°	F	CG	
TRUCK FN,FH,FP FS,FW,GN	90~	PO9C(T) P11C(T)	6	IN	IHN-0079	13711-1600 -1790 -1590/1	40.90	8.00	155.50	60°	F	CG
	EX			EHN-5079	13715-1620 -1801	39.90	8.00	155.40	45°	F	CG	
TRUCK FN,FR,FS FU,FW,FY SH	92~	F20C	V8	IN	IHN-0080	13711-1610/1	48.90	10.00	159.70	60°	F	CG
	EX			EHN-5080	13715-1750 -1630	46.90	10.00	159.40	45°	F	CG	



HONDA

VEHICLE MODEL	Year	ENGINE TYPE	CYL No.	IN EX	DOKURO No.	REFERENCE 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	14711-634-000 -671 -920 -921	36.00	6.60	109.50	45°	ST	PG									
													EX	EHO-5102	14721-634-000 -671 -920 -940	32.00	6.60	109.50	45°	F	PG
		EX		EHO-5116	14721-PA1-000 -671	32.00	6.60	110.20	45°	ST	PG										
CIVIC 1500CC SF/SE/VB/SR	79~	EC ED	4	IN	IHO-0103	14711-671-000 -003	35.00	6.60	112.80	45°	ST	PG									
													AU	IHO-0133	14731-PA6-660	12.00	6.60	97.80			
		EX		EHO-5103	14721-657-000 -003 -010 -671	28.00	6.60	113.00	45°	ST	PG										
CIVIC 1200CC SB1	73~	EB-1 EB-2	4	IN	IHO-0104	14711-611-000	34.00	6.60	112.70	45°	ST	PG									
													AU	IHO-0130	14731-657-670	12.00	5.50	81.90			
		AU		IHO-0131	14731-657-671	12.00	5.50	88.50													
		EX		EHO-5104	14721-611-000	30.00	6.60	112.70	45°	F	PG										
		EX		EHO-5112	14721-657-672	28.00	6.60	113.00	45°	F	PG										
		EX		EHO-5113	14721-657-673	28.00	6.60	113.70	45°	ST	PG										
ACCORD PRELUDE SH/SU/SY	78~	EK	4	IN	IHO-0106	14711-689-000	34.00	7.00	113.20	45°	ST	CG									
													AU	IHO-0132	14731-689-000	12.00	6.60	89.60			
		EX		EHO-5106	14721-689-000	28.00	7.00	113.20	45°	F	CG										
		EX		EHO-5114	14721-689-660	28.00	7.00	113.70	45°	ST	CG										
TN550 ACTY JT/TA	79~	EH	2	IN	IHO-0108	14711-371-000 -679-620	38.00	6.60	102.40			MG									
													EX	EHO-5108	14721-371-000 -679-620	32.00	6.60	101.30			PG
ACCORD PRELUDE QUINTET SV/SU/SY	80~	EP	4	IN	IHO-0109	14711-PB2-000	35.00	7.00	113.40	45°	ST	CG									
													AU	IHO-0134	14731-PB2-000	12.00	6.60	93.70			
													EX	EHO-5109	14721-PB2-000	28.00	7.00	113.10	45°	F	CG
													EX	EHO-5120	14721-676-640 -641	28.00	7.00	113.80	45°	F	CG



HONDA

VEHICLE MODEL	Year	ENGINE TYPE	CYL No.	IN EX	DOKURO No.	REFERENCE No.	Head Dia.	Stem Dia.	Overall Length	Seat Angle	Head Style	Stem End
CIVIC 1500CC ACCLAIM SL/SP/ST/SR	82~	EJ EM	4	IN	IHO-0110	14711-PA6-000	35.00	6.50	114.30	45°	ST	PG
				AU	IHO-0136	14731-PA6-000	12.00	6.50	94.00			
		AU		IHO-0137	14731-PA6-010	12.00	6.50	94.00				
		EX		EHO-5110	14721-PA6-000	28.00	6.50	114.50	45°	F	PG	
ACCORD 1800CC PRELUDE SH/SZ/SN	82~	EK	4	IN	IHO-0111	14711-PC1-000 -600	36.00	7.00 7.00	113.40	45°	ST	CG
				AU	IHO-0138	14731-PA5-000	12.00	6.50	97.00			
				EX	EHO-5111	14721-PC1-000 14721-PC3-000 14721-PC3-600 14721-PC3-660	36.00	7.00	113.90	45°	ST	CG
ACCORD 1800CC PRELUDE 1600CC AB/AC/AD	83~	ES EY	4	IN	IHO-0112	14711-PC6-000	30.00	6.50	120.50	45°	ST	CG
	83~			AU	IHO-0139	14731-PC6-000	12.00	6.50	96.70			
				EX	EHO-5119	14721-PC6-000 14721-PH1-000	35.00	7.00	120.80	45°	ST	CG
ACCORD 1800CC	82~	EK	4	EX	EHO-5122	14721-PC7-000	35.00	7.00	121.50	45°	ST	CG
				EX	EHO-5125	14721-PE7-000	33.10	6.70	113.80	45°	ST	CG
CIVIC 1300CC TRIUMPH 1500CC CRX AG/AK/AJ/AE/AH	83~	EV EW	4	IN	IHO-0121	14711-PE0-000	27.00	6.50	112.80	45°	ST	CG
				EX	EHO-5121	14721-PE0-000 -024	32.00	6.50	114.00	45°	ST	CG
CIVIC 1300CC TRIUMPH 1500CC CRX AG/AK/AJ/SE/AH	84~	EV EW	4	IN	IHO-0123	14711-PE0-660	30.00	6.50	112.80	45°	ST	CG
				AU	IHO-0141	14731-PE0-000	12.00	6.50	89.20			
				EX	EHO-5123	14721-PE0-660	29.00	6.50	114.00	45°	ST	CG
ACURA INTEGRA PRELUDE ACCORD	84~	A15 A16 A18	4	IN	IHO-0122	14711-PD4-000	26.00	6.50	120.50	45°	ST	CG
					IHO-0128	14711-PG6-000	30.00	6.50	104.40	45°	ST	CG
				EX	EHO-5128	1471-PG6-000	27.00	6.50	104.60	45°	ST	CG
ACCORD PRELUDE LEGEND	87~	C20A C27A	4	IN	IHO-0124	14711-PH3-000	33.00	6.50	104.50	45°	FR	CG
				EX	EHO-5129	14721-PH3-000	28.00	6.50	105.90	45°	ST	CG
				EX	EHO-5124	14721-PH7-000	27.00	6.50	106.60	45°	ST	CG
INTEGRA 1600CC ACCURA 1300CC CIVIC 1500CC D5A/EF/MA without VTEC	88~	ZC D13B D15B	4	IN	IHO-0126	14711-PM3-000	29.00	5.50	115.10	45°	ST	CG
				IN	IHO-0129	14711-PR4-A00	31.00	6.50	105.40	45°	ST	CG
				EX	EHO-5126	14721-PM3-000	25.00	5.50	118.80	45°	F	CG



HONDA

VEHICLE MODEL	Year	ENGINE TYPE	CYL No.	IN EX	DOKURO No.	REFERENCE No.	Head Dia.	Stem Dia.	Overall Length	Seat Angle	Head Style	Stem End	
CITY JAZZ AA/VF	1200CC	84~	ER	4	IN	IHO-0127	14711-PC0-000	30.00	6.50	118.00	45°	ST	PG
					EX	EHO-5127	14721-PC0-000	24.00	6.50	117.00	45°	F	PG
ACCORD CB/CD	1800CC 2000CC	89~	F18 F20	4	IN	IHO-0701	14711-PT0-000 -POB-A00 -POJ-A00	32.00	5.50	112.00	45°	FR	CG
					EX	EHO-5701	14721-PT0-000 -B00	27.00	5.50	123.50	45°	ST	CG
					IN	IHO-0702	14711-890-000	36.00	7.00	127.00			
					EX	EHO-5702	14721-890-000	31.50	7.00	127.60			
ACCOR PRELUDE	2200CC	92~	F22A	4	IN	IHO-0704	14711-PT5-000 -PT3-A00	34.00	5.50	112.20	45°	ST	CG
					EX	EHO-5707	14721-PT6-A00 14721-POJ-A00	29.10	5.50	123.50	45°	ST	CG
						EHO-5704	14721-PT3-Y00	29.00	5.50	124.00	45°	ST	CG
ACCORD PRELUDE	2200CC 2300CC	92~	F22 F23	4	IN	IHO-0706	14711-PT2-000	34.00	6.50	103.60	45°	ST	CG
					EX	EHO-5706	14721-PT2-000	29.00	6.50	102.80	45°	ST	CG
DEL SOL CIVIC with VTEC	1600CC	95~	B16A	4	IN	IHO-0708	14711-PR3-000	33.00	5.50	102.40	45°	ST	CG
					EX	EHO-5708	14721-PR3-000	28.00	5.50	102.60	45°	ST	CG
CIVIC with VTEC	1600CC	92~	D16	4	IN	IHO-0709	14711-PO8-000	30.00	5.50	118.50	45°	ST	CG
					EX	EHO-5709	14721-PO8-000	26.00	5.50	116.00	45°	ST	CG
ACCURA LEGEND 3200CC			C32	V6	IN	IHO-0710	14711-PY3-000	33.10	5.50	114.90	45°	ST	CG
					EX	EHO-5710	14721-PY3-000	28.00	5.00	117.80	45°	ST	CG
ACCORD ODYSSEY with VTEC	2000CC 2200CC	94~	F20/22	4	IN	IHO-0711	14711-P0A-000	34.00	5.50	116.10	45°	ST	CG
					EX	EHO-5711	14721-P0A-000	29.00	5.50	114.30	45°	ST	CG
					EX	EHO-5712	14721-P0A-Y00	29.00	5.50	115.00	45°	T	CG
CIVIC with VTEC	1500CC	92~ ~95	D15	4	IN	IHO-0713	14711-P07-000	27.50	5.50	120.0	45°	ST	CG
					EX	EHO-5713	14721-P07-000	23.50	5.50	117.5	45°	ST	CG
CIVIC JAZZ without VTEC	1600CC	94~	D16 D17	4	IN	IHO-0714	14711-P2A-000	30.00	5.50	118.60	45°	ST	CG
					EX	EHO-5714	14721-P2A-000	26.00	5.50	116.00	45°	ST	CG
ACCORD U.S.A	2700CC	96~	C27	V6	IN	IHO-0715	14711-P0G-A00	33.00	6.50	104.50	45°	ST	CG
					EX	EHO-5715	14721-P0G-A00	27.50	6.50	106.50	45°	ST	CG



HONDA

VEHICLE MODEL	Year	ENGINE TYPE	CYL No.	IN EX	DOKURO No.	REFERENCE No.	Head Dia.	Stem Dia.	Overall Length	Seat Angle	Head Style	Stem End	
CR-V STEPWGN	2000CC	97~	B20B	4	IN	IHO-0716	14711-P75-000	31.00	6.50	105.50	45°	ST	CG
					EX	EHO-5716	14721-P75-000	28.00	6.50	106.00	45°	ST	CG
TN ACTY LIFE	660CC	90~	E07A	3	IN	IHO-0717	14711-PN4-000	23.00	5.50	115.70	45°	ST	CG
					EX	EHO-5717	14721-PN4-000	20.0	5.50	117.70	45°	ST	CG
ACCORD INSPIRE LEGEND ODYSSEY	97~	J30 J32 F22 F23	V6	IN	IHO-0718	14711-POH-A00	34.00	5.50	116.00	45°	ST	CG	
													EX
CR-V STEAM	2000/2400CC	00~	K20A K20B	4	IN	IHO-0719	14711-PNA-000	35.00	5.50	109.10	45°	ST	CG
					EX	EHO-5719	14721-PNA-000	29.00	5.50	114.30	45°	ST	CG
ACCORD PRELUDE	2200CC	96~	H22A	4	IN	IHO-0720	14711-P13-000	35.00	5.50	106.80	45°	ST	CG
					EX	EHO-5720	14721-P13-000	30.00	5.50	107.00	45°	ST	CG
PASSPORT	2600CC	94~	4ZE1	4	IN	IIS-0197	8-94174-222-1	44.20	8.00	108.60	45°	ST	NG
					EX	EIS-5197	8-97110-256-0	37.00	6.00	108.20	45°	ST	NG
	3200CC	6VD	V6	IN	IIS-0217	8-97015-546-2	34.00	6.00	99.10	45°	ST	CG	
				EX	EIS-5217	8-97015-547-1	30.00	6.00	100.60	45°	ST	CG	



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VEHICLE MODEL	Year	ENGINE TYPE	CYL No.	IN EX	DOKURO No.	REFERENCE No.	Head Dia.	Stem Dia.	Overall Length	Seat Angle	Head Style	Stem End
ELF LUV TROOPER FLORIAN	2200CC 2200CC 2400CC	71~	C190 C220 C240	4	IN	IIS-0151 9-12551-802-0/1 8-94026-571-0 8-94130-749-0 9-12551-037-0 9-12551-093-0/2	38.00	8.00	116.00	45°	F	CG
KAD40/50 KBD20/25/41/46 TLD23/43/53/63 UBS52/PAD					EX	EIS-5151 9-12552-801-0/1 5-12552-014-0 5-12552-026-0 8-94027-307-0 8-94118-839-0 9-12552-071-0 9-12552-090-0	32.00	8.00	116.00	45°	F	CG
					IN	IIS-0152 5-12551-001-0	41.00	8.00	117.00	45°	ST	CG
					EX	EIS-5152 5-12552-001-0	35.00	8.00	116.70	45°	ST	CG
ELF LUV BELLET	1600CC	68~	G161	4	IN	IIS-0153 9-12551-128-0 9-12551-159-0	41.00	8.00	109.80	45°	ST	CG
KB20/KA51/PR50/91,PA20					EX	EIS-5153 9-12552-175-0 9-12552-215-0	32.00	8.00	109.80	45°	F	CG
ELF JOURNEY FORWARD	3300CC 5000CC 2800CC 3600CC 3200CC 3200CC 3800CC 5400CC 5700CC 6100CC	70~ 70~ 73~ 73~ 79~ 79~ 80~ 72~ 76~ 80~	C330 D500 4BA 1 4BB 1 4BC 1 4BC 2 4BD 1 4BE 1 6BB 1 6BD 1 6BF 1	4 6 4 4 4 4 4 6 6 6	IN	IIS-0154 9-12551-801-0 1-12551-050-0 1-12551-054-0 5-12551-006-0 5-12551-024-0 8-94129-550-0 8-97028-702-0	45.00	9.00	127.80	45°	F	CG
BE20/22, BK/BL BLD/BY/CCM FDR/JBR/KA20 KS/KT/SBR/SCR/SDR TLD/TR/TVD					EX	EIS-5154 9-12552-240-0 1-12552-025-0 5-12552-005-0 5-12552-025-0 5-12552-030-0 5-12552-031-0	37.50	9.00	127.80	45°	F	CG
					EX	EIS-5181 (WITH CARBON Scraper) 5-12552-042-0 5-12552-023-0 5-12552-036-0 5-12552-043-0 5-12552-048-0 8-94333-114-0 8-94461-958-0 8-97028-706-0	37.50	9.00	127.80	45°	F	CG
LUV FLORIAN GEMINI	1800CC	72~	G180 G200	4	IN	IIS-0155 9-12551-606-0 9-12551-174-0	43.00	8.00	107.50	45°	ST	CG
					EX	EIS-5155 9-12552-607-0 9-12552-601-0	33.00	8.00	107.50	45°	ST	CG



ISUZU

VEHICLE MODEL	Year	ENGINE TYPE	CYL No.	IN EX	DOKURO No.	REFERENCE No.	Head Dia.	Stem Dia.	Overall Length	Seat Angle	Head Style	Stem End
BELLET 1600CC	66~	G161	4	IN	IIS-0156	8-94205-977-0	42.40	8.00	109.50	45°	ST	NG
LVU/TROOPER 1800CC	69~	G180	4			8-94200-742-0						
IMPUL/PIAZZA 2000CC	80~	G200	4	EX	EIS-5156	8-94200-743-0 8-94200-745-0 8-94212-835-0	34.00	8.00	110.90	45°	ST	NG
BELLET 1600CC	63~	G130 G150 G161	4 4 4	IN	IIS-0157	5-12551-005-0 9-12551-050-0	38.00	8.00	109.80	45°	F	CG
				EX	EIS-5157	9-12552-098-0 9-12552-128-0 9-12552-129-0	30.00	8.00	108.50	45°	F	CG
TRUCK/BUS 6300CC	56~	DA640	6	IN	IIS-0158	9-12551-022-0	44.00	10.00	144.00	45°	F	NG
6100CC	56~	DA120	6			9-12551-072-0 9-12551-073-0						
TXD10/60 BA343/BR/BB				EX	EIS-5158	9-12552-150-0 9-12552-035-0 9-12552-054-0 9-12552-102-0 9-12552-105-0	40.00	10.00	144.00	45°	F	NG
TRUCK/BUS 6300CC	66~	DA640	6	IN	IIS-0159	9-12551-071-0	44.00	10.00	143.80	45°	F	NG
6100CC	66~	DA120	6	EX	EIS-5159	9-12552-103-0 9-12552-151-0 9-12552-121-0 9-12552-157-0	40.00	10.00	144.10	45°	F	NG
TXD30/70 BA351/BR351/BB351												
TRUCK/BUS 6300CC	73~	DA640	6	IN	IIS-0160	1-12551-002-0	45.50	10.00	144.00	45°		
6100CC	73~	DA120	6			1-12551-013-0						
4000CC	65~	DA220 DA640T	4			1-12551-008-0 1-12551-003-0						
BA/BR/BF TSD/TWE/TXD SFR/BXD				EX	EIS-5160	1-12552-001-0 1-12552-007-0 1-12552-003-0	42.00	10.00	144.00	45°		
TRUCK/BUS 6300CC	69~	DA640	6	IN	IIS-0161	9-12551-132-0	44.10	10.00	144.00	45°	F	2CG
6100CC	69~	DA120	6			9-88511-175-0 9-12551-125-0 9-88551-175-0						
TSD/TWD/TXD BXD BA/BF/BR				EX	EIS-5161	9-12552-217-0 9-88511-176-0 9-88551-178-0 9-12552-169-0 9-12552-208-0 9-12552-177-0	40.10	10.00	144.10	45°	F	2CG



ISUZU

VEHICLE MODEL	Year	ENGINE TYPE	CYL No.	IN EX	DOKURO No.	REFERENCE 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	9-12551-030-0 9-12551-077-0	54.00	12.00	164.00	45°	F	NG
				EX	EIS-5162	9-12552-154-0 9-12552-207-0 9-12552-089-0 9-12552-049-0 9-12552-061-0 9-12552-111-0 9-12552-127-0	48.00	12.00	164.00	45°	F	NG
TRUCK/BUS 10200CC SLR TD/RD/CCH/RH	70~	DH100	6	IN	IIS-0163	9-12551-188-0 9-12551-188-1 9-12551-197-1	54.00	12.00	164.00	45°	F	2CG
				EX	EIS-5163	9-12552-251-0 9-12552-251-1 9-12552-251-2	48.00	12.00	164.00	45°	F	2CG
TRUCK/BUS 9200CC 11000CC 10200CC TD/TDJ BU/CTM	68~ 80~ 80~	D920 E110 6QA 1	6 6 6	IN	IIS-0164	9-12551-150-0 9-12551-120-0 9-12551-109-0 1-12551-105-0	56.00	12.00	163.00	60°	F	2CG
				EX	EIS-5164	9-12552-254-0 9-12552-198-0 9-12552-168-0 9-12552-262-0 9-12552-262-1/2 9-12552-167-0 9-12552-167-1 9-12552-179-0/1	51.00	12.00	163.00	60°	F	2CG
TRUCK/BUS 12000CC SPG/SPK/SPM/SPR TG/TMK/BU/CPA	73~	E120 6RA 1 6RB 1	6	IN	IIS-0165	1-12551-004-0 1-12551-025-0	47.00	10.00	164.00	45°		
					IIS-0177	1-12551-047-0 1-12551-057-0 1-12551-129-0	46.00	11.00	165.40	60°		
				EX	EIS-5165	1-12552-006-0 1-12552-012-0 1-12552-013-0 1-12552-028-0	45.00	11.00	164.00	45°		
TRUCK/BUS 12000CC BUK/VPZ	75~	E120	6	IN	IIS-0166	9-12551-192-0 1-12551-010-0	47.00	11.00	164.00	45°	F	2CG
				EX	EIS-5166	9-12552-256-0 1-12552-010-0 9-12552-010-0	45.00	11.00	164.00	45°	F	2CG



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VEHICLE MODEL	Year	ENGINE TYPE	CYL No.	IN EX	DOKURO No.	REFERENCE No.	Head Dia.	Stem Dia.	Overall Length	Seat Angle	Head Style	Stem End	
TRUCK/BUS 8000CC	76~	8PA 1	8	IN	IIS-0167	1-12551-030-0	48.00	10.00	159.00	45°	F	CG	
TRUCTOR 10000CC		10PA 1	10			1-12551-005-1							
12000CC		12PA 1	12			1-12551-030-1							
SKS/SKW/SVZ/SRG		8PB 1	12	EX	EIS-5167	1-12552-005-0	46.20	10.00	159.00				
VTR/VTZ/VVR/CXZ/CXM		10PB 1	8			1-12552-015-0							
		12PB 1	10			1-12552-015-4							
	12PC 1	12											
TRUCKTOR 16500CC	70~	V170	8	IN	IIS-0168	9-12551-177-0	49.00	11.00	162.00	60°	F	2CG	
TV30ES/TV30ZE/TV40ZB				EX		EIS-5168							1-12552-244-0
TRUCK/BUS 4000CC	65~	D400	6	IN	IIS-0169	9-12551-142-0	43.00	9.00	127.80	45°	F	CG	
TY20/40/BY30				EX		EIS-5169							9-12552-143-0
LUV 1600CC	80~	G161	4	IN	IIS-0170	8-94217-178-0	40.40	8.00	110.70	45°	ST	NG	
FASTER 1800CC		G180		EX		EIS-5170							8-94217-179-0
KB 2000CC		G200			8-94119-147-0								
GEMINI 1800CC	82~	4FB 1	4	IN	IIS-0171	8-94216-589-0	38.90	8.00	132.30	45°	F	CG	
ASKA 2000CC	82~	4FC 1	4	EX		EIS-5171							8-94216-590-0
WFR 2200CC	83~	4FD 1	6										8-94108-307-0
JJ/WFR/PFD													
JOURNEY 2000CC	71~	C190	4	IN	IIS-0172	5-12551-028-0	40.00	8.00	115.90	45°	F	CG	
TROOPER 2200CC	79~	C223	4			5-12551-030-0							
ELF 2400CC	69~	C240	4			8-94029-351-0							
LUV						9-12551-028-0							
PAD/UBS/KAD/TLD				EX	EIS-5172	5-12552-034-0	34.00	8.00	116.00	45°	F	CG	
						5-12552-038-0							
						8-94029-352-0							
TRUCK 6100CC	56~	DA120	6	IN	IIS-0179	9-12551-001-0	44.00	10.00	140.20	45°	F	RC/PG	
TWD				EX		EIS-5179							9-12552-016-0
ELF 2000CC	78~	G200	4	IN	IIS-0180	9-12551-045-0	42.00	8.00	115.80	45°	ST	CG	
TLG				EX		EIS-5180							9-12552-132-0
FARGO 1600CC	81~	4ZA 1	4	IN	IIS-0183	8-94232-096-0	40.30	8.00	110.70	45°	F	NG	
ASKA 1800CC	81~	4ZB 1	4			8-94251-273-0							
JJ110/WFR10						EX							EIS-5183
						8-94251-274-0							
						8-94460-637-0							
						8-94453-404-0							



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VEHICLE MODEL	Year	ENGINE TYPE	CYL No.	IN EX	DOKURO No.	REFERENCE No.	Head Dia.	Stem Dia.	Overall Length	Seat Angle	Head Style	Stem End
TRUCK 6500CC ETR12/FSR12 LT312/LR312	84~	6BG 1	6	IN	IIS-0184	1-12551-081-0 1-12551-063-0 1-12551-082-0 1-12551-083-0 1-12551-139-0	46.00	9.00	127.90	45°	F	CG
				EX	EIS-5184	1-12552-027-0	37.50	9.00	127.80	45°	F	CG
				EX	EIS-5199	1-12552-079-0 1-12552-083-0 1-12552-052-0 1-12552-080-0	37.50	9.00	127.90	45°	F	CG
ASKA IHPULSE TROPPER JJ120	83~	4ZC 1 4ZD 1	4	IN	IIS-0186	8-94251-275-0 8-94153-969-0	42.30	8.00	110.70	45°	F	NG
				EX	EIS-5186	8-94251-276-0 8-94136-727-0 8-94251-440-0 8-94251-044-0 8-94441-051-0 8-94441-074-0 8-97119-751-0	36.00	8.00	110.20	45°	F	NG
GEMINI I-MARK JT190/LN	85~	4XC 1 4XE 1 ⑩	4 4	IN	IIS-0190	8-94250-977-0 8-94151-069-0	36.00	7.00	105.20	45°	F	CG
				EX	EIS-5190	8-94250-978-0 8-94145-949-0	31.00	7.00	105.20	45°	F	CG
ELF 2500CC 2700CC NHR54/55 WHR55/TFR55/TES55	84~	4JA 1 4JB 1	4 4	IN	IIS-0192	8-94133-275-1 8-94133-275-0 8-94464-921-0 9-97010-464-0	40.00	8.00	118.20	45°	F	CG
	84~			EX	EIS-5192	8-94247-875-1 8-94133-875-1 8-94433-245-0 8-97010-463-0	35.70	8.00	118.00	45°	F	CG
TROOPER UBS17	88~	4ZE 1	4	IN	IIS-0195	8-94447-025-0	44.20	8.00	108.60	45°	ST	
				EX	EIS-5195	8-94447-026-0	37.00	8.00	108.20	45°	F	CG
TROOPER UBS16	86~ 2600CC	4ZD 1 4ZE 1	4	IN	IIS-0197	8-94174-222-1	44.20	8.00	108.60	45°	ST	NG
				EX	EIS-5197	8-94174-223-1 8-97110-256-0	37.00	8.00	108.20	45°	ST	NG
ELF NKR58	82~	4FA 1 4FE 1	4	IN	IIS-0198	5-12551-033-2	31.00	8.00	132.40	45°	F	CG
	85~			EX	EIS-5198	5-12552-040-2	26.00	8.00	132.50	45°	F	CG



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VEHICLE MODEL	Year	ENGINE TYPE	CYL No.	IN EX	DOKURO No.	REFERENCE No.	Head Dia.	Stem Dia.	Overall Length	Seat Angle	Head Style	Stem End		
GEHINI-D JT600	1500CC	86~	4 EC 1	4	IN	IIS-0200	8-94370-173-1 8-94110-016-0	34.50	7.00	104.10	45°	F	CG	
						EX	EIS-5200	8-94110-017-4	30.60	7.00	104.00	45°	F	CG
ELF NPR59	3800CC	86~	4 BD 1	4	IN	IIS-0203	8-94414-833-1 8-97034-379-0 8-97028-961-0	45.00	9.00	127.70	45°	F	CG	
						EX	EIS-5203	8-94333-115-0 8-94414-834-0 8-97028-707-0	37.50	9.00	127.70	45°	F	CG
FARGO WFR51	1995CC	82~	4 FG 1	4	IN	IIS-0205	8-94449-047-0	39.00	8.00	134.30	45°	F	CG	
						EX	EIS-5205	8-94449-048-0	34.00	8.00	134.60	45°	F	CG
LUV KBD23/TFR54	2500CC	88~	4 JA 1	4	IN	IIS-0208	8-94171-291-0	38.00	8.00	118.80	45°	F	CG	
						EX	EIS-5208	8-94171-292-0	32.00	8.00	118.80	45°	F	CG
ELF KPT59	4200CC	89~	4 HF 1	4	IN	IIS-0209	8-97033-864-1	50.00	9.00	141.00	45°	F	CG	
						EX	EIS-5209	8-97060-415-0 8-97019-337-0	42.00	9.00	140.50	45°	F	CG
TRUCK FTR FVR	8200CC		6 BE 1 6 SA 1 6 HE 1	6	IN	IIS-0210	1-12551-111-0	49.00	10.00	134.00	45°	F	CG	
						EX	EIS-5211	8-94394-160-1 8-94395-462-0	51.00	9.00	141.00	45°	F	CG
TRUCK FTR FVR	8200CC		6 HE 1 6 HH 1	6	IN	IIS-0211	8-94394-160-1	51.00	9.00	141.00	45°	F	CG	
						EX	EIS-5211	8-94395-462-0	42.00	9.00	140.80	45°	F	CG
TRUCK FVR23D	9800CC		6 SA 1 6 SD 1	6	IN	IIS-0212	1-12551-089-0	48.00	10.00	132.00	45°	F	CG	
							IIS-0216	1-12551-158-0	50.00	10.00	132.00	45°	F	CG
						EX	EIS-5212	1-12552-085-0 1-12552-108-0 1-12552-063-0	46.10	10.00	132.00	45°	F	CG
			4 FE 1	4	IN	IIS-0213	8-94178-102-2	31.00	8.00	134.50	45°	F	CG	
						EX	EIS-5213	8-94410-960-2	26.00	8.00	134.30	45°	F	CG
TROOPER V6 UBS25	3200CC		6 VD 1 ②	6	IN	IIS-0214	8-97027-499-1	34.00	6.00	114.00	45°	ST	CG	
						EX	EIS-5214	8-97014-174-0	30.00	6.00	99.50	45°	ST	CG
TRUCK	9800CC		6 SA 1	6	IN	IIS-0202	1-12551-092-0	49.00	10.00	134.00	45°	F	CG	
						EX	EIS-5202	1-12551-136-0 1-12552-050-0	46.00	10.00	132.00	45°	F	CG
TRUCK CXH/CXM CXZ	17000CC		10 PD 1	10	IN	IIS-0215	1-12551-136-0	50.00	10.00	159.20	45°	F	CG	
						EX	EIS-5215	1-12552-097-0 1-12552-064-0	46.10	10.00	159.20	45°	F	CG



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VEHICLE MODEL	Year	ENGINE TYPE	CYL No.	IN EX	DOKURO No.	REFERENCE No.	Head Dia.	Stem Dia.	Overall Length	Seat Angle	Head Style	Stem End
TROOPER 3200CC		6VD1	V6	IN	IIS-0217	8-97015-546-2	34.00	6.00	99.10	45°	ST	CG
				IN	IIS-0218	8-97169-807-0	34.00	6.00	104.00	45°	ST	CG
		Ⓔ		EX	EIS-5217	8-97015-547-1	30.00	6.00	100.60	45°	ST	CG
TROOPER 3000CC		4JG2	4	IN	IIS-0219	8-97131-729-0	42.20	8.00	117.60	45°	F	CG
				EX	EIS-5219	8-97043-861-1	35.70	8.00	117.00	45°	F	CG
TROOPER 3200CC		6VD1	V6	IN	IIS-0222	8-97131-961-0	34.0	6.00	103.70	45°	ST	CG
				Ⓔ	EX	EIS-5222	8-97131-962-0	29.0	6.00	103.60	45°	ST
BIGHORN WIZARD NU DIESEL TURBO	91~	4JG2	4	IN	IIS-0121	8-94363-134-0	42.00	8.00	118.50	45°	ST	CG
				EX	EIS-5220	8-97118-767-0	35.80	8.00	117.60	45°	ST	CG
D MARKS PICK UP 2200CC	00~	22LE (C22NE)	4	IN	IIS-0224	8-90220-121-0	41.80	7.00	103.80	45°	ST	CG
				EX	EIS-5224	8-90323-757-0	36.50	7.00	103.50	45°	ST	CG
NKR		6HE1 4HE1	6	IN	IIS-0223	8-94395-113-1	46.50	9.00	141.0	60°	ST	CG
			4									
TRUCK		6SD1	6	IN	IIS-0225	1-12551-126-1	51.0	10.0	133.5	60°	ST	CG
NHR		4HF1	4	IN	IIS-0226	8-97171-398-0	51.0	9.00	141.0	45°	ST	CG
				EX	EIS-5226	8-97171-399-0	42.0	9.00	140.60	45°	ST	CG



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VEHICLE MODEL	Year	ENGINE TYPE	CYL No.	IN EX	DOKURO No.	REFERENCE No.	Head Dia.	Stem Dia.	Overall Length	Seat Angle	Head Style	Stem End
PROCEED 1500CC	60~	UA	4	IN	IMZ-0251	0107-12-111	37.50	9.10	114.50	45°	ST	CG
BUG61/DUC				EX	EMZ-5251	0107-12-121	30.00	9.00	115.00	45°	ST	CG
FAMILIA(323) 1500CC	66~	UB UC	4	IN	IMZ-0252	0222-12-111	38.00	8.00	107.80	45°	ST	CG
				EX	EMZ-5252	0222-12-121/A	32.00	8.00	106.40	45°	F	CG
FAMILIA(323) 1000CC BONGQ(E1000)	68~	PB	4	IN	IMZ-0254	0249-12-111/A 0259-12-111	31.90	7.00	107.80	45°	ST	CG
SPA/FPA				EX	EMZ-5254	0249-12-121/A 0259-12-121	27.50	7.00	98.60	45°	F	CG
FAMILIA(323) 1200CC BT55/65	68~	TA TB	4	IN	IMZ-0255	0268-12-111/A	34.00	7.10	108.00	45°	ST	CG
				EX	EMZ-5255	0268-12-121/A	29.00	7.00	98.70	45°	F	CG
FAMILIA(323) 1000CC PRESTO SPC,FA3	70~	PC	4	IN	IMZ-0256	0317-12-111/A	35.00	8.00	106.20	45°	ST	CG
				EX	EMZ-5256	0317-12-121/A 0483-12-121	30.00	8.00	103.30	45°	ST	CG
FAMILIA(323) 1300CC LASER 1500CC BONGO	70~ 78~ 80~ 80~	TC UC E3 E5	4	IN	IMZ-0257	0324-12-111/A E301-12-111 E501-12-111	36.00	8.00	105.50	45°	ST	CG
BD/FA/ST/BTA SS				EX	EMZ-5257	0324-12-121 0488-12-121 8572-12-121 E301-12-121 E501-12-121 D303-12-121	31.00	8.00	103.50	45°	F	CG
CAPELLA 2000CC (808/626) 1800CC LUCQ(929) COSMO(121) 1600CC T2000/B2000 B1600/E1600 B1800/B1800 COURIER	77~ 69~ 70~	MA VB VC NA	4	IN	IMZ-0258	0290-12-111 0453-23-255 D27Z-6507A	42.00	8.10	108.40	45°	ST	CG
				EX	EMZ-5258	0305-12-121/A 0290-12-121/A 8173-12-121 HE19-12-121 D27Z-6505A 0453-23-256	33.00	8.10	107.00	45°	ST	CG
LUCQ DIESEL 2200CC E2200/B2200 2500CC E2500/T2500 4000CC T4100	79~ 67~ 72~	S2 XA ZB	4 4 6	IN EX EX	IMZ-0259	0636-12-111 0636-12-121 0527-12-121	40.50 35.50 36.00	8.00 8.00 8.00	114.50 114.50 114.70	45° 45° 60°	F F F	CG CG CG
E2000 2000CC T2000	71~	VA	4	IN	IMZ-0260	0552-12-111	39.50	8.00	112.50	45°	ST	CG
				EX	EMZ-5260	0552-12-121/A	30.00	8.00	112.50	45°	F	CG
E3000 3000CC T3000	77~	HA	4	IN	IMZ-0263	SE01-12-111	45.00	9.00	114.60	45°	F	CG
				EX	EMZ-5263	SE01-12-121	37.40	9.00	114.60	60°	F	CG



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VEHICLE MODEL	Year	ENGINE TYPE	CYL No.	IN EX	DOKURO No.	REFERENCE 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	D6FZ-6507A D9ZZ-6507A	44.10	8.70	121.80	45°	ST	4CG
				EX	EMZ-5264	D6FZ-6505A	38.10	8.70	122.20	45°	ST	4CG
CAPELLA(626) 1800CC TELSTER 2000CC BONGO(E2000) LUCY(929)	82~ 84~	F8 FE	4	IN	IMZ-0275	F801-12-111/A	44.00	8.00	112.00	45°	ST	CG
				EX	EMZ-5275	F801-12-121/A F804-12-121/A	36.00	8.00	111.70	45°	ST	CG
CAPELLA(626) 1600CC TELSTER	82~	F6	4	IN	IMZ-0277	F601-12-111/A	41.00	8.00	112.00	45°	ST	CG
				EX	EMZ-5277	F601-12-121 F604-12-121 F606-12-121	34.00	8.00	111.80	45°	F	CG
BONGO 2200CC CAPELLA 2000CC	83~ 83~	R2 RF	4	IN	IMZ-0278	RF01-12-111	41.00	8.00	107.00	45°	F	CG
				EX	EMZ-5278	RF01-12-121/B	36.00	8.00	106.80	45°	ST	CG
FAMILIA(323) 1100CC LASER 1300CC FASTIVA(121)	89~	B1 B3	4	IN	IMZ-0279	B660-12-111	31.00	6.00	105.30	45°	ST	CG
				EX	EMZ-5279	B660-12-121	26.20	6.00	105.40	45°	ST	CG
T3500 3500CC	90~94	SL	4	IN	IMZ-0280	SL01-12-111/A	45.40	9.00	114.60	45°	F	CG
				EX	EMZ-5280	SL01-12-121 SL70-12-121	38.30	9.00	114.60	60°	F	CG
T2500 2500CC	89~	XA	4	IN	IMZ-0281	S501-12-111	40.50	9.00	114.60	45°	F	CG
				EX	EMZ-5281	S501-12-121	36.10	9.00	114.60	60°	F	CG
FAMILIA(323) 1300CC LASER 1500CC	89~ 89~	E3 E5	4	IN	IMZ-0282	E5D3-12-111	36.00	8.00	108.50	45°	F	CG
				EX	EMZ-5282	E358-12-121 E5D3-12-121	31.00	8.00	106.50	45°	F	CG
FAMILIA(323) 1500CC LASER 1600CC without TURBO	89~ 89~	B5 B6 ⑩	4	IN	IMZ-0283	B630-12-111	38.00	7.00	103.90	45°	ST	CG
				EX	EMZ-5283	B630-12-121	32.00	7.00	102.70	45°	ST	CG
FAMILIA(323) 1500CC LASER 1600CC with TURBO	89~ 89~	B5 B6 ⑩	4	IN	IMZ-0284	B6S7-12-111 B695-12-111	31.00	6.00	105.50	45°	ST	CG
				EX	EMZ-5284	B695-12-121 BJ01-12-121	26.20	6.00	105.50			CG
CAPELLA(626) 2200CC LUCY(929) MX-9 PROOBE	90~	F2 IN-8 EX-4	4	IN	IMZ-0285	F201-12-111 F202-12-111	32.50	7.00	115.90	45°	ST	CG
				EX	EMZ-5285	F201-12-121/A F210-12-121	34.00	7.00	116.30	45°	ST	CG
LUCY(929) 3000CC MPV	90~	JE ⑭	V6	IN	IMZ-0286	JE01-12-111 JE06-12-111	33.00	7.00	121.50	45°	ST	CG
				EX	EMZ-5286	JE01-12-121 JE06-12-121	38.00	8.00	122.70	45°	ST	CG



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VEHICLE MODEL	Year	ENGINE TYPE	CYL No.	IN EX	DOKURO No.	REFERENCE No.	Head Dia.	Stem Dia.	Overall Length	Seat Angle	Head Style	Stem End
B2600 2600CC	90~	G 6	4	IN	IMZ-0287	G601-12-111	33.30	7.00	112.70	45°	ST	CG
				EX	EMZ-5287	G601-12-121 G602-12-121	36.00	7.00	113.80	45°	ST	CG
323 LASER	90~	B 3 ⑩	4	IN	IMZ-0290	B301-12-111	32.00	7.00	105.30	45°	ST	CG
				EX	EMZ-5290	B301-12-121	28.00	7.00	104.30	45°	ST	CG
KIA PRIDE	90~	B 3 ⑩	4	IN	IMZ-0290	KK153-12-111	32.00	7.00	105.3	45°	ST	CG
				EX	EMZ-5291	KK150-12-121	28.00	7.00	104.20	45°	ST	CG
FAMILIA(323) LASER	90~	B 6 ⑩	4	IN	IMZ-0292	B541-12-111	29.60	6.00	103.90	45°	ST	CG
				EX	EMZ-5292	B541-12-121 B62A-12-121	23.50	6.00	105.00	45°	ST	CG
CAPELLA TELSTER 323	90~	BP ⑩	4	IN	IMZ-0293	BP01-12-111	30.00	6.00	102.00	45°	ST	CG
				EX	EMZ-5293	BP01-12-121	25.00	6.00	103.00	45°	ST	CG
MX-5 MIATA	90~	BP ⑩	4	IN	IMZ-0294	BP05-12-111 BP06-12-111	33.00	6.00	102.00	45°	ST	CG
				EX	EMZ-5294	BP05-12-121	28.00	6.00	102.00	45°	ST	CG
323 LASER	91~	B 3 ⑩	4	IN	IMZ-0296	B3C7-12-111/A	25.50	6.00	108.30	45°	ST	CG
				EX	EMZ-5296	B3C7-12-121 B3D2-12-121	21.50	6.00	109.30	45°	ST	CG
626	87~	FE ⑩	4	IN	IMZ-0299	FE3N-12-111	33.70	6.00	103.20	45°	ST	CG
				EX	EMZ-5299	FE3N-12-121	29.00	6.00	104.50	45°	ST	CG
KIA VESTA	95~99		4	IN	IMZ-0300	VN01-12-111	41.00	9.00	114.50	45°	F	CG
				EX	EMZ-5300	VN01-12-121	35.00	9.00	114.70	45°	F	CG
MS-6 626	92~	FS ⑩	4	IN	IMZ-0302	FS01-12-111	31.50	6.00	90.00	45°	ST	CG
				EX	EMZ-5302	FS01-12-121 FS05-12-121	27.60	6.00	90.00	45°	ST	CG
T4000	89~	TF	4	IN	IMZ-0303	TF20-12-111	47.00	9.00	119.70	45°	F	CG
				EX	EMZ-5303	TF20-12-121	41.00	9.00	119.30	45°	F	CG
E2500 B2500 B2900	96~	WL W9 IN-⑧ EX-④	4	IN	IMZ-0304	WL01-12-111 WL51-12-111	32.70	7.00	111.90	45°	ST	CG
				EX	EMZ-5304	WL01-12-121 WL51-12-121	35.00	7.00	111.90	45°	ST	CG
MX-5 MS-8	91~	KL ⑭	V6	IN	IMZ-0306	KL01-12-111	32.00	6.00	94.30	45°	ST	CG
				EX	EMZ-5306	KL01-12-121	27.60	6.00	95.20	45°	ST	CG
323	86~95	PN	4	IN	IMZ-0307	PN11-12-111	38.00	7.00	101.50	45°	ST	CG
				EX	EMZ-5307	PN20-12-121	32.00	7.00	101.40	45°	ST	CG



MAZDA/FORD

VEHICLE MODEL	Year	ENGINE TYPE	CYL No.	IN EX	DOKURO No.	REFERENCE No.	Head Dia.	Stem Dia.	Overall Length	Seat Angle	Head Style	Stem End
323 PROSTAGE 1500CC	95~	Z5 (16)	4	IN	IMZ-0313	Z501-12-111	27.70	5.50	92.20	45°	ST	CZ
				EX	EMZ-5313	Z501-12-121	24.0	5.50	92.80	45°	ST	CG
B2000 FAMILIA VAN BONG WAGON DIESEL TURBO 2000CC	87~	RF-T	4	IN	IMZ-0315	RF71-12-111	39.40	8.00	106.80	45°	ST	CG
				EX	EMZ-5315	RF71-12-121	35.10	8.00	106.80	45°	ST	CG



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VEHICLE MODEL	Year	ENGINE TYPE	CYL No.	IN EX	DOKURO No.	REFERENCE No.	Head Dia.	Stem Dia.	Overall Length	Seat Angle	Head Style	Stem End
GALANT 1600CC ARROW 1400CC COLT/LANCER A53/L021/A55/A75/T22	75~	4 G32 4 G33 4 G35 4 G36	4	IN EX	IMB-0302 EMB-5302	MD000480 MD064871 MD000481 MD002481 MD007783	38.00 31.00	8.00 8.00	106.00 102.50	45° 45°	ST F	MG MG
GALANT 1850CC CANTER 2000CC ROSA/L200 2400CC 1800CC 2000CC T217/FG30/E15A/33 A114/122/132/163 A57/115/123/133/L022	73~ 73~ 75~ 80~ 80~	4 G51 4 G52 4 G53 4 G62 4 G63	4	IN EX	IMB-0303 EMB-5303	MD020580 MD024523 MD040791 MD020581 MD020583 MD020586 MD020587 MD020588 MD020589 MD024586	43.00 35.00	8.00 8.00	112.80 111.70	45° 45°	T F	NG NG
LANCER 1400CC GALANT 1200CC DELICA(L300) A61/TT120/121/FG14/15	71~ 73~	4 G41 4 G42	4	IN EX	IMB-0304 EMB-5304	MD010480 MD010481	37.00 29.00	8.00 8.00	100.60 100.90	45° 45°	F F	NG NG
LANCER/MIRAGE 1200CC TREDIA/CORDIA 1400CC COLT 1300CC PROTON-SAGA 1500CC A141/148/151/155/171 A142/149/152/156/171 C11/12	77~ 78~ 83~ 83~	G11 G12 G13 G15	4	IN EX	IMB-0305 EMB-5305	MD016460 MD003787 22211-21010 MD016461 MD003788 22211-21304 22212-21010	34.00 30.10	6.60 6.60	102.00 101.00	45° 45°	ST F	CG CG
GANTER/ROSA 2700CC JUPITER/JEEP 4000CC TRUCK FB100/T44/B1 # /B360 J24/36/44/J53	70~ 70~	4 DR 5 6 DR 5	4 6	IN EX	IMB-0306 EMB-5306	31304-00100 ME001115 ME001114 31304-01101 31304-01103 ME001116 ME001143	41.00 32.00	8.00 8.00	124.00 124.20	45° 45°	ST F	NG NG
TRUFK 4700CC BUS 5100CC 5000CC 5400CC T62 # /63 # /65 # FK102/B62 #	64~ 72~ 69~ 72~	6 DS 1 6 DS 3 6 DS 5 6 DS 7 4 D30 4 D32 4 D34T	6 6 6 6	IN EX	IMB-0307 EMB-5307	30804-00100 ME020236 ME023881 30804-01100/1 ME021039 ME023882	46.00 37.00	9.00 9.00	137.00 137.00	45° 45°	F F	CG MG



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VEHICLE MODEL	Year	ENGINE TYPE	CYL No.	IN EX	DOKURO No.	REFERENCE No.	Head Dia.	Stem Dia.	Overall Length	Seat Angle	Head Style	Stem End
TRUCK 10000CC BUS 13000CC 18000CC T800/900/FP FV/K300 B800/MS504	68~	6DC 2 8DC 2 10DC 6	6 8 10	IN	IMB-0308	31104-00101	62.00	12.00	174.50	45°	F	MG
						31204-01201 ME061546						
				EX	EMB-5308	31104-01103 31204-70200 31204-71101 ME051064	50.00	12.00	175.00	45°	F	MG
CANTER 1500CC 2000CC 2700CC T720/T90/92/94	62~ 68~ 68~	4DQ 3 4DQ 5 4DR 1	4 4 4	IN	IMB-0309	30604-00100 30604-00102	40.00	8.00	118.00	45°	F	NG
						30604-01101 30604-01103						
				EX	EMB-5309	30604-01101 30604-01103	31.00	8.00	118.00	45°	F	NG
CANTER 2600CC ROSA	70~	KE42 KE47	4	IN	IMB-0310	MD014560	43.00	8.70	108.70	45°	F	NG
						MD014565						
				EX	EMB-5310	MD014565	33.00	8.70	108.70	45°	F	NG
TRUCK 6000CC BUS 6700CC 6600CC T654/FK103/104 MM504/MK103	74~ 74~ 75~	6D10 6D11 6D14T 6D16T 4D30 4D33	6 6 6 4 4	IN	IMB-0311	ME031297 ME031938	47.00	9.00	137.00	45°	F	NG
						ME031154 ME031940						
				EX	EMB-5311	ME031154 ME031940	40.00	9.00	137.10	45°	F	NG
TRUCK 8600CC BUS 11400CC T330/480 4K100/120 B820/MR410	65~	6DB 1 6DB 6 8DB 4D31T	6 6 8	IN	IMB-0312	30004-23101 30004-23103	53.00	12.00	176.50	45°	F	MG
						30004-31101 30004-35101 30004-35103 30004-31201						
				EX	EMB-5312	30004-31101 30004-35101 30004-35103 30004-31201	45.00	12.00	176.50	45°	F	MG
CANTER 3300CC TRUCK 3300CC 5400CC FE111/121/211/301 T652/653/B623	78~ 78~ 72~	4D30 4D31 6DS 7	4 4 6	IN	IMB-0313	ME011244 ME011265 ME029006 ME013810	44.00	9.00	137.10	45°	F	NG
						ME011245 ME011266 ME029007 ME013832						
				EX	EMB-5313	ME011245 ME011266 ME029007 ME013832	37.00	9.00	137.10	45°	F	NG
TRUCK 10000CC BUS 10000CC 11100CC MP117/FP117	67~ 79~ 79~	6D20 6D21 6D22	6 6 6	IN	IMB-0314	ME051063 30904-00302 30904-00401 ME051696	55.10	12.00	174.80	45°	F	MG
						31104-01103 31204-70200 31204-71101 ME051064 ME051567 ME051697						
				EX	EMB-5308	31104-01103 31204-70200 31204-71101 ME051064 ME051567 ME051697	50.00	12.00	175.00	45°	F	MG



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VEHICLE MODEL	Year	ENGINE TYPE	CYL No.	IN EX	DOKURO No.	REFERENCE No.	Head Dia.	Stem Dia.	Overall Length	Seat Angle	Head Style	Stem End
TRUCK 6900CC BUS FK/FM	79~	6 D15	6	IN	IMB-0315	ME031937 ME031557	49.00	9.00	137.00	45°	FR	NG
				EX	EMB-5315	ME031939 ME031558	42.00	9.00	137.20	45°	FR	NG
TRUCK 14000CC BUS 15000CC 16000CC 18600CC FP/FR/FT/FU/FV NV/B/MS	76~	8 DC 7	8	IN	IMB-0316	ME061545	59.00	12.00	174.60	45°	FR	NG
	76~	8 DC 8	8			31204-30200						
	79~	8 DC 9	8	EX	EMB-5316	ME061547	53.00	12.00	175.30	45°	FR	NG
	72~	10DC	10			ME065587 31204-31200 ME091559						
DEBONAIR 2600CC SAPORO GALANT L200/CANTER A165A/K33T/FC312	76~	4 G54	4	IN	IMB-0318	MD024518 MD024638	46.00	8.00	110.20	45°	T	NG
				EX	EMB-5318	MD024519 MD024548	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~	4 G62 4 G63	4 4	IN	IMB-0319	MD070691	43.00	8.00	110.10	45°	ST	CG
				EX	EMB-5319	MD070694 MD070693	35.00	8.00	108.80	45°	F	CG
CANTER 2400CC L200/300 PAJERO/MONTERO CANTER L028/L038/L043/048 FB433	80~	4 D55	4	IN	IMB-0320	MD050100 MD050552	40.00	8.00	136.50	45°	F	NG
				EX	EMB-5320	MD050101 MD050543	34.00	8.00	136.50	45°	F	NG
COLT/LANCER 1800CC GALANT SPACE WAGON C14A/54A/64A E14/34/D09W	84~	4 D65 6 D22	4	IN	IMB-0321	MD070767	36.00	8.00	118.60	45°	F	CG
				EX	EMB-5321	MD070769/8 MD072481 MD080778	32.00	8.00	119.10	45°	F	CG
JET VALVE AUXILIARY USE	84~	G54 G62 G63			IMB-0323	MD009440						
GALANT 1600CC E31/32	88~	G32	4	IN	IMB-0324	MD075924	38.00	8.00	103.40	45°	ST	CG
				EX	EMB-5324	MD075928	31.00	8.00	100.00	45°	F	CG



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VEHICLE MODEL	Year	ENGINE TYPE	CYL No.	IN EX	DOKURO No.	REFERENCE No.	Head Dia.	Stem Dia.	Overall Length	Seat Angle	Head Style	Stem End
CALANT 1800CC COLT SPACE WAGON TREDIA/CORDIA E12/32A/A215 C77/D05V	83~	G37B 4G37	4	IN	IMB-0328	MD069806 MD080780	42.00	8.00	98.30	45°	ST	CG
				EX	EMB-5328	MD070791 MD069807	34.00	8.00	95.50	45°	F	CG
				EX	EMB-5330	31101-00342						
GALANT 2600CC PAJERO/MONTERO L200/L300 K33T/L042G/47G	83~	G54B	4	IN	IMB-0333	MD083848 MD083849	46.00	8.00	108.20	45°	ST	CG
				EX	EMB-5333	MD083850 MD083851 MD092999	38.00	8.00	106.10	45°	FR	CG
				EX	EMB-5334	MD094619	38.00	8.00	106.10	45°	FR	CG
PAJERO DIESEL 2300CC GALANT L200/L300	84~	4D55 4D56	4	IN	IMB-0338	MD083657 MD083661	40.00	8.00	136.60	45°	F	CG
				EX	EMB-5338	MD083659 MD083662	34.00	8.00	136.60	45°	F	CG
JET VALVE				IN	IMB-0340	MD088380						
FORKLIFT		S4E		IN	IMB-0341	34404-10100	42.00	8.00	132.90	60°	F	NG
				EX	EMB-5341	34404-11100	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	MD088811 MD301339	43.00	8.00	103.00	45°	F	CG
				EX	EMB-5343	MD088812 MD096219 MD301340	35.00	8.00	102.70	45°	F	CG
GALANT/COLT 2000CC (DOHC) SONATA C53/63/73	88~	4G61 4G64	4	IN	IMB-0346	MD127840 MD127847 22211-33000	34.00	6.60	109.70	45°	F	CG
				EX	EMB-5346	MD127841 MD127848 22212-33010	30.50	6.60	109.80	45°	F	CG
GALANT 2400CC MAGNA	85~	4G64	4	IN	IMB-0347	MD085253	46.00	8.00	107.00	45°	F	CG
				EX	EMB-5347	MD085254 MD096632	38.00	8.00	105.20	45°	F	CG
COLT	89~	G15 ⑫	4	IN	IMB-0348	MD074628	35.10	6.60	101.60	45°	ST	CG
				EX	EMB-5348	MD074629	31.00	6.60	100.50	45°	ST	CG
LANCER/COLT 1300CC PROTON-SAGA 1500CC	91~	4G13 4G15 ⑫	4 4	IN	IMB-0350	MD128434	26.00	6.60	100.90	45°	ST	CG
				AU	IMB-1350	MD128435	31.00	6.60	100.80	45°	ST	CG
				EX	EMB-5350	MD149314 MD139755	33.00	6.60	101.10	45°	ST	CG



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VEHICLE MODEL	Year	ENGINE TYPE	CYL No.	IN EX	DOKURO No.	REFERENCE No.	Head Dia.	Stem Dia.	Overall Length	Seat Angle	Head Style	Stem End
LANGER 1600CC SPACE WAGON 1800CC PROTON WIRA	91~	4 G92	4	IN	IMB-0351	MD162422	30.00	6.00	110.20	45°	ST	CG
	91~	4 G93 (16)		EX	EMB-5351	MD162616 MD162423	27.00	6.00	113.70	45°	ST	CG
GALANT 2000CC	93~	4 G63 4 G64 (24)	4	IN	IMB-0352	MD159502 MD301193	33.00	6.00	112.20	45°	F	CG
				EX	EMB-5352	MD197106 MD199193 MD306183 MD310465 MD197097	29.00	6.00	114.30	45°	ST	CG
			4	IN	IMB-0355	30604-51100	31.00	8.00	118.00	45°	F	NG
				EX	EMB-5355	30604-50100	31.00	8.00	110.00	45°	F	NG
CANTER 2700CC ROSA	73~	4 DR	4	IN	IMB-0356	ME001663	41.00	8.00	124.00	45°	F	NG
				EX	EMB-5356	ME001538	32.00	8.00	124.00	45°	F	NG
GALANT 1600CC	88~	G32	4	IN	IMB-0336	MD075925	38.00	8.00	103.50	45°	F	CG
				EX	EMB-5336	MD075927	31.00	8.00	100.00	45°	F	CG
WIRA 2000CC DIESEL LANCER COLT		4 D68	4	IN	IMB-0361	MD186756 MD173602	36.00	8.00	114.30	45°	F	CG
				EX	EMB-5361	MD173603 MD173604 MD180356	32.00	8.00	113.80	45°	F	CG
FORKLIFT		S4S	4	IN	IMB-0360	32A04-10100 32A04-00100 32A04-20100	44.00	8.00	120.00	45°	F	NG
				EX	EMB-5360	32A04-11100 32A04-01100 32A04-21100	35.00	8.00	120.20	45°	F	NG
PAJERO/ MONTERO L146G/V25/45	3000CC	6 G72 (24)	6	IN	IMB-0363	MD135481 MD135479 MD172315	35.00	6.60	106.40	45°	ST	CG
				EX	EMB-5363	MD135482 MD135480 MD183730	30.50	6.60	105.50	45°	ST	CG
PAJERO/ MONTERO V36/V46	2800CC 3500CC	4 M40	4	IN	IMB-0364	ME202687 ME200050	41.00	8.00	108.60	45°	F	CG
				EX	EMB-5364	ME202688 ME200051	35.00	8.00	108.40	45°	F	CG



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VEHICLE MODEL	Year	ENGINE TYPE	CYL No.	IN EX	DOKURO No.	REFERENCE No.	Head Dia.	Stem Dia.	Overall Length	Seat Angle	Head Style	Stem End	
WIRA LANCER	1500CC	4G91 ⑩	4	IN	IMB-0365	MD162799 MD162780	33.00	6.00	104.20	45°	ST	CG	
				EX	EMB-5365	MD162800 MD162781	28.00	6.00	104.00	45°	ST	CG	
FORKLIFT		S4S		IN	IMB-0366	32C04-00100	40.00	8.00	118.00	45°	F	CG	
				EX	EMB-5366	32C04-01100	31.00	8.00	118.00	45°	F	CG	
GALANT	2000CC	86~	6G71	V6	IN	IMB-0367	MD094396	36.0	8.00	104.8	45°	F	CG
					EX	EMB-5367	MD094397	31.0	8.00	104.20	45°	F	CG
PAJERO HYUNDAI TERACAN		4D56T 4D56	4	IN	IMB-0369	MD198403/4 MD321272 22211-42520	40.00	8.00	130.00	45°	F	CG	
				EX	EMB-5369	MD198405/6 22212-42520	34.00	8.00	130.00	45°	F	CG	
FORKLIFT				IN	IMB-0370	34404-00100	42.00	8.00	133.00	45°	F	CG	
				EX	EMB-5370	34404-01100	35.00	8.00	133.00	45°	F	CG	
HYUNDAI ACCENT		1300 IN-⑧ EX-④	4	IN	EMB-0371	22211-22003	27.50	6.00	99.00	45°	FR	CG	
				EX	EMB-5371	22212-22011	32.00	6.00	98.50	45°	FR	CG	
HYUNDAI H100		D4BA D4BB		IN	IMB-0372	22211-42200	42.00	8.00	136.00	45°	F	CG	
				EX	EMB-5372	22212-42200	36.00	8.00	136.00	45°	F	CG	
MINICA	550CC	87~	3G81	3	IN	IMB-0373	MD113238	30.00	6.50	100.60	45°	ST	CG
					EX	EMB-5373	MD113239	26.00	6.50	100.80	45°	ST	CG
GALANT STARWAGON	2500CC	96~	6G73 ⑭	V6	IN	IMB-0374	MD175527 MD143334 MD165485	33.00	6.50	107.30	45°	ST	CG
					EX	EMB-5374	MD173932 MD143335 MD165486	28.00	6.50	106.20	45°	ST	CG
GLANT	2000CC	6A12	V6	IN	IMB-0376	MD160947	31.00	6.00	107.00	45°	ST	CG	
				EX	EMB-5376	MD160948	27.00	6.00	105.60	45°	ST	CG	
				IN	IMB-0377	ME017145	49.00	9.00	137.00	45°	F	MG	
				EX	EMB-5377	ME012557	42.00	9.00	137.00	45°	F	MG	
LAOCER C33A		4G18 ⑩	4	IN	IMB-0378	MD339752	29.00	5.50	111.80	45°	F	CG	
				EX	EMB-5378	MD339754	25.50	5.50	114.70	45°	F	CG	



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VEHICLE MODEL	Year	ENGINE TYPE	CYL No.	IN EX	DOKURO No.	REFERENCE No.	Head Dia.	Stem Dia.	Overall Length	Seat Angle	Head Style	Stem End
HEAVY IND		S6F	6	IN	IMB-0379	36704-00401 36704-01401	44.00	8.00	134.20	45°	F	NG
						EX	EMB-5379	36704-01601	37.00	8.00	134.00	45°
TRUCK FP DIESEL TURBO	91~	6D40T	6	IN	IMB-0380	ME120529	46.00	10.00	185.20	45°	F	MG
						EX	EMB-5380	ME350711	46.00	10.00	185.50	45°
MINICAB MINICA 660CC	87~	3G83	3	IN	IMB-0381	MD160893 MD189514	25.00	5.00	100.30	45°	ST	CG
						EX	EMB-5381	MD163942	21.00	5.00	105.80	45°
EMERADE PROTON 1800CC	92~	6A11	V6	IN	IMB-0384	MD159744	27.50	6.00	113.20	45°	ST	CG
						EX	EMB-5384	MD159745	25.00	6.00	116.30	45°
LANCER MIRAGE PROTON 1600CC	91~	4G92	4	IN	IMB-0385	MD196745 MD198570	33.00	6.00	115.70	45°	ST	CG
						EX	EMB-5385	MD199616 MD163033 MD158732	28.00	6.00	115.00	45°
TRUCK FK 8200CC	93~	6D17	6	IN	IMB-0387	ME170313	81.00	9.00	137.00	45°	F	MG
						EX	EMB-5387	ME170315	44.00	9.00	137.00	45°
FORK		S6B	6	IN	IMB-0388	36204-20100	48.00	10.00	180.00	60°	F	2CG
						EX	EMB-5388	36204-41101	44.00	10.00	180.00	60°
MIRAGE LANCER PROTON 1600CC		6A10	V6	IN	IMB-0389	MD180556	28.00	6.00	107.80	45°	ST	CG
						EX	EMB-5389	MD177568	24.00	6.00	106.30	45°
CAT.		S6A2		IN	IMB-0392	32504-00200	54.00	10.0	180.2	60°	F	2CG
						EX	EMB-5292	32504-11201 32504-01200	50.00	10.0	180.0	60°
CAT.		S6A2		IN	IMB-0393	32504-00100	47.90	10.00	180.0	45°	F	CG
						EX	EMB-5393	32504-11102 32704-11102	44.0	10.0	180.10	45°
PAJERO L400 MONTERO 3200CC	99~	4M41	4	IN	IMB-0394	ME203101	33.00	6.50	115.60	45°	F	CG
						EX	EMB-5394	ME203102	31.00	6.50	115.48	45°
TOWNBOX (MALAYSIAN SPEC) 660CC	99~	4A30	4	IN	IMB-0395	MD191605	22.50	5.00	100.20	45°	ST	CG
						EX	EMB-5395	MD193165	19.40	5.00	105.40	45°



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VEHICLE MODEL	Year	ENGINE TYPE	CYL No.	IN EX	DOKURO No.	REFERENCE 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	13201-H1000 -H2300 -18000	35.00	8.00	103.80	45°	ST	NG
				EX	ENS-5401	13202-H1000 -H2300 -H7400 -18000	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	13201-H6200	37.00	8.00	103.80	45°	ST	NG
				EX	ENS-5402	13202-H6200 -H8900	30.00	8.00	103.80	45°	ST	NG
SUNNY 150Y 1500CC PULSAR 150A B310/N12	80~	A15	4	IN	INS-0403	13201-H9500	35.00	8.00	100.00	45°	ST	NG
				EX	ENS-5403	13202-H9500	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	13201-D0100	38.00	7.00	106.70	45°	ST	
	82~	CA18	4	IN	INS-0405	13201-D0200	40.00	7.00	106.90	45°	ST	MG
	84~	CA20	4	IN	INS-0452	13201-D2000	41.00	7.00	107.10	45°	ST	MG
	84~	CA16 CA18 CA20		EX	ENS-5405	13202-D0100 -D0200 -D1200	35.00	7.00	108.10	45°	ST	MG
BLUEBIRD 1800CC SILVIA with TURBO U11/S12	84~	CA18T	4	IN	INS-0451	13201-17F00/1	41.00	7.00	105.80	45°	ST	NG
				EX	ENS-5451	13202-17F00 -18F00	35.00	7.00	106.70	45°	ST	MG
EUROPE ONLY		CA18T	4	EX	ENS-5452	13202-22F00	35.00	7.00	107.00	45°	FR	MG
SUNNY/PULSAR 1600CC B12/N13	87~	CA16D Ⓜ	4	IN	INS-0458	13201-55M01 -55M10	31.00	6.00	89.20	45°	ST	CG
				EX	ENS-5458	13202-D4200/1	28.10	6.00	89.30	45°	F	CG
SUNNY/PULSAR 1800CC 1600CC BLUEBIRD B12/N13/U11/12	87~	CA18D CA16DE Ⓜ	4	IN	INS-0462	13201-51E10	34.00	6.00	89.00	45°	ST	CG
					INS-0497	13201-64M10	31.00	6.00	89.20	45°	ST	CG
				EX	ENS-5462	13202-64M10	28.00	6.00	89.50	45°	ST	CG
MAERCH MICRA 1000/1300CC	91~	CG10 CG13	4		INS-0515	13201-41B00 -AN200						
					ENS-5515	13202-41B00 -AN200						
SUNNY/PULSAR 1700CC SENTRA B11/12/13 N12/13	83~	CD17	4	IN	INS-0446	13201-16A00	36.00	7.00	101.00	45°	F	NG
				EX	ENS-5446	13202-16A00 -D2800	31.00	7.00	101.00	45°	F	MG



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VEHICLE MODEL	Year	ENGINE TYPE	CYL No.	IN EX	DOKURO No.	REFERENCE No.	Head Dia.	Stem Dia.	Overall Length	Seat Angle	Head Style	Stem End
AVENIR SENTRA 2000CC	85~	CD20	4	IN	INS-0484	13201-57J02	39.20	7.00	100.70	45°	F	NG
				EX	ENS-5484	13202-57J02	33.20	7.00	100.70	45°	F	NG
AVENIR SENTRA 2000CC	93~	CD20	4	IN	INS-0487	13201-60J02	39.10	7.00	99.80	45°	F	NG
				EX	ENS-5487	13202-60J02	32.10	7.00	99.60	45°	F	NG
SUNNY/PULSAR SENTRA B111/12/13 1000CC	82~	E10	4	IN	INS-0432	13201-41M00/1	35.00	7.00	118.50	45°	FR	NG
				EX	ENS-5432	13202-41M00	29.00	7.00	118.70	45°	FR	NG
SUNNY/PULSAR PRAIRIE SENTRA B11/12/13 N10/12/13/M10 1300CC 1500CC	81~	E13 E15	4	IN	INS-0404	13201-01M00 -05M00	37.00	7.00	118.80	45°	ST	NG
	81~			EX	ENS-5404	13202-01M00 -05M00 -05A00	30.00	7.00	118.20	45°	ST	NG
SUNNY SENTRA PULSAR B12/13 N12/13 1500CC	81~	E15E	4	IN	INS-0433	13201-15M00	37.00	7.00	119.70	45°	ST	NG
				EX	ENS-5433	13202-15M00 -53A00 -63A00	31.00	7.00	120.00	45°	ST	NG
SUNNY SENTRA PULSAR B11/12/13 N12/13 1600CC	84~	E16	4	IN	INS-0444	13201-31M00 -69A00	37.00	7.00	116.70	45°	ST	NG
				EX	ENS-5444	13202-31M00 -69A00	30.00	7.00	116.00	45°	ST	NG
CABALL CLIPPER CIVILIAN C340 3000CC	73~	BD30	4	IN	INS-0430	13201-J2000 -J2001	45.00	9.00	129.70	60°	F	CG
				EX	ENS-5430	13202-J2000	36.00	9.00	130.00	45°	F	CG
				EX	ENS-5498	13202-54T00/1	38.00	8.00	117.00	45°	F	CG
CONDOR CABALL CIVILIAN M40/G341/W40 3300CC 5700CC	80~	ED33 FD33 FD6 PD6	4	IN	INS-0429	13201-Z5000 -T9000	47.00	9.00	129.50	60°	F	CG
	83~ 75~ 83~		4 6 6	EX	ENS-5429	13202-Z5000 -Z5001 -T9000	38.00	9.00	130.00	45°	F	CG
ATLAS CABALL 3500CC	89~	FD35	4	IN	INS-0485	13201-01T00	48.50	9.00	129.50	45°	F	CG
				EX	ENS-5485	13202-01T00	39.50	9.00	130.00	45°	F	CG
ATLAS CONDOR 4600CC	92~	FD46	4	IN	INS-0506	1320-0T000	48.50	9.00	129.00	45°	F	CG
				EX	ENS-5506	13202-17D00	39.50	9.00	130.00	45°	F	CG
SKYLINE SILVIA R30/S110 2000CC	82~	FJ20	4	IN	INS-0435	13201-R2000	34.50	7.00	125.20	45°	ST	NG/MG
				EX	ENS-5435	13202-R2000						



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VEHICLE MODEL	Year	ENGINE TYPE	CYL No.	IN EX	DOKURO No.	REFERENCE No.	Head Dia.	Stem Dia.	Overall Length	Seat Angle	Head Style	Stem End
SUNNY 1400CC SENTRA 1600CC B13/14/N14	90~	GA14D GA15D GA16D ⑩	4	IN	INS-0473	13201-73Y00	29.00	5.50	92.30	45°	ST	CG
	90~		4			-53Y00 -2M200						
				IN	INS-0468	13201-57Y00 -55Y00 -70N00 -0M600	30.00	5.50	92.30	45°	ST	CG
				EX	ENS-5468	13202-57Y00 -55Y00 -53Y00 -0M600	24.00	5.50	92.70	45°	ST	CG
SENTRA 1300CC B13/14/N14	90~	GA13 ⑩	4	IN	INS-0474	13201-72Y00	26.50	5.50	92.30	45°	ST	CG
				EX	ENS-5474	13202-72Y00	21.50	5.50	92.70	45°	ST	CG
SUNNY 1400CC SENTRA 1600CC B13/14/N14	88~	GA14 GA16 IN-⑧ EX-④	4	IN	INS-0465	13201-88A00	29.10	6.00	113.80	45°	ST	CG
	88~			EX	ENS-5465	13202-88A00/2	33.00	6.60	116.30	45°	ST	CG
				EX	ENS-5466	13202-87A00	32.00	6.60	116.20	45°	ST	CG
SENTRA 1600CC B13	89~	GA16i IN-⑧ EX-④	4	IN	INS-0457	13201-84A00	29.00	6.00	113.70	45°	ST	CG
				EX	ENS-5457	13202-84A00	33.00	6.60	116.30	45°	ST	CG
		GA16DET	4	EX	ENS-5509	13202-0M600	25.00	5.50	92.60	45°	ST	CG
JUNIOR 2000CC CARAVAN 3000CC I40/E20/E23	67~	H20 H30	4	IN	INS-0410	13201-P0500 -F1800 -78200 -66700	42.00	8.70	110.20	45°	ST	
			EX	ENS-5410	13202-P0500 -P5100 -78200 -78210	32.00	8.70	110.20				
OVER SIZE 0.20MM		H20	4	IN	INS-0442	13201-P0501 -F1801	42.00	8.70	110.20	45°	ST	
				EX	ENS-5442	13202-P5101 -78201	32.00	8.70	110.20	45°	ST	NG
OVER SIZE 0.40MM		H20	4	IN	INS-0443	13201-F1802 -P0502	42.00	8.70	110.20	45°	ST	
				EX	ENS-5443	13202-P5102 -78202	32.00	8.70	110.20	45°	ST	NG
FORKLIFT		H15 H20	4	IN	INS-0488	13201-50K00	35.10	7.00	109.70	45°	ST	NG
				EX	ENS-5488	13202-50k00	30.10	7.00	109.20	45°	ST	NG



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VEHICLE MODEL	Year	ENGINE TYPE	CYL No.	IN EX	DOKURO No.	REFERENCE No.	Head Dia.	Stem Dia.	Overall Length	Seat Angle	Head Style	Stem End
BLUEBIRD 1300CC DATSUN TRUCK 410/510 520/620 P130	65~	J13	4	IN	INS-0406	13201-10600 -20600 -20610	35.00	8.70	109.60	45°	ST	NG
				EX	ENS-5406	13202-08000 -10600 -20600 -09600 -B3900 -B5900	30.00	8.70	108.80	45°	ST	PG
DATSUN TRUCK 1500CC 1600CC	70~	J15	4	IN	INS-0407	13201-73000 -B5100 -B5200 -01W00	38.00	8.70	109.60	45°	ST	PG
	70~	J16	4	EX	ENS-5407	13202-16700 -01W00 -B5000 -B5100 -B5200	32.00	8.70	109.60	45°	ST	PG
DATSUN TRUCK 1500CC CARAVAN 1600CC 620/E20	74~	J15 J16	4 4	IN	INS-0431	13201-01W01/3	38.00	8.70	109.60	45°	ST	NG
				EX	ENS-5431	13202-01W01 -01W03 -01W13	32.00	8.70	109.60	45°	ST	NG
DATSUN PICK UP MEXICO KD	1800CC	J18	4	IN	INS-0453	13201-24W00	40.10	8.00	108.20	45°	ST	MG
				EX	ENS-5453	13202-24W00	35.00	8.00	108.30	45°	ST	MG
PICK UP SILVIA MAXIMA PRAIRE D21/S13/U12/M10 MEXICO KD	2400CC	KA24	4	IN	INS-0467	13201-40F00	34.00	7.00	121.40	45°	ST	CG
				EX	ENS-5467	13202-40F00/1	40.00	8.00	122.40	45°	ST	CG
SILVIA 2400CC 240SX	94~	KA24D Ⓣ	4	IN	INS-0491	13201-53F01/2	36.60	7.00	101.50	45°	ST	CG
				EX	ENS-5491	13202-53F00	31.40	7.00	99.90	45°	ST	
D22 AX FRONTIER	2000/2400CC	KA20DE KA24DE Ⓣ	4	IN	INS-0510	13201-VJ200	36.60	7.00	101.40	45°		CG
				EX	ENS-5510	13202-VJ200	31.30	7.00	98.95	45°		CG
D22	2000/2400CC	KA20E KA24E	4	IN	INS-	13201-VJ260						
				EX	ENS-	13202-VJ260 -VJ26A						
PLATINA MEXICO KD	03~	K4M	4	IN	INS-0512							
				EX	ENS-5512							



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VEHICLE MODEL	Year	ENGINE TYPE	CYL No.	IN EX	DOKURO No.	REFERENCE No.	Head Dia.	Stem Dia.	Overall Length	Seat Angle	Head Style	Stem End
BLUEBIRD 1300CC	69~	L13	4	IN	INS-0408	13201-A3000	38.10	8.00	117.30	45°	ST	NG
VIOLET 140J 1400CC	70~	L14	4			-A3500						
LAUREL 200L 2000CC	66~	L20	6			-A3510						
240K/240L 2400CC	75~	L24	6			-21000						
CEDRIC 200C						-23002						
510/610/710/C31/32				EX	ENS-5408	13202-21001~3	33.00	8.00	117.40	45°	ST	NG
330/430/C210/230						-23001/2						
FAIRLADY 2800CC	75~	L28	6	IN	INS-0412	13201-N4200/1	44.10	8.00	152.00	45°	ST	NG
CEDRIC												
330/430/G130												
PICK UP 1600CC	67~	L16	4	IN	INS-0409	13201-A1100	42.00	8.00	116.40	45°	ST	NG
BLUEBIRD 180D 1800CC	70~	L18	4			-N0400/1						
CEDRIC 260C 2000CC	74~	L20B	4			-N7000						
FAIRLADY 260Z 2600CC	72~	L26	6			-23000/3						
200B												
620/720/910												
330												
	67~	L16	4	EX	ENS-5408	13202-21003	33.00	8.00	117.40			
		L18	4	EX	ENS-5409	13202-N0400/1	35.00	8.00	117.50	45°	ST	NG
		L20B	4			-N6800/1						
		L26	6									
		L28	6									
CEDRIC 2800CC	80~	L28T	6	IN	INS-0427	13201-P7900	44.00	8.00	114.50	45°	ST	NG
FAIRLADY		L28E				-P7980						
with TURBO												
430/S130				EX	ENS-5427	13202-P7900/1	35.10	8.00	115.40	45°	ST	NG
						-07L00						
CEDRIC 2000CC	81~	LD20	4	IN	INS-0428	13201-W3400	39.00	8.00	117.00	45°	F	NG
2800CC	81~	LD28	6			-V0700						
BLUEBIRD				EX	ENS-5428	13202-W3400	32.00	8.00	117.20	45°	F	NG
430/U11						-V0701						
BLUEBIRD 2000CC	81~	LD20	4	IN	INS-0490	13201-05E00	39.40	8.00	118.00	45°	F	NG
VANETTE				EX	ENS-5490	13202-23E00/10	32.10	8.00	118.80	45°	ST	NG
SERENA 2300CC	99~	LD23	4	IN	INS-0503	13201-9C600	41.50	8.00	118.10		F	NG
SPAIN KD				EX	ENS-5503	13202-9C600/1	33.20	8.00	117.80		F	NG
MARCH 1000CC	82~	MA10	4	IN	INS-0448	13201-01B00	35.00	7.00	110.00	45°	ST	NG
MICRA 1200CC	86~	MA12	4	EX	ENS-5448	13202-01B00	30.00	7.00	109.50	45°	ST	NG
K10/KA10												



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VEHICLE MODEL		Year	ENGINE TYPE	CYL No.	IN EX	DOKURO No.	REFERENCE No.	Head Dia.	Stem Dia.	Overall Length	Seat Angle	Head Style	Stem End
MARCH	1000CC		MA10	4	IN	INS-0456	13201-10B00	35.00	7.00	109.80	45°	ST	NG
MICRA	1200CC		MA12	4	EX	ENS-5456	13202-10B00	30.00	7.00	109.40	45°	ST	NG
PICKUP D22	2000CC	97~	NA20	4	IN	INS-0504	13201-3T900 -27T00 -85G00	38.10	8.00	122.00	45°	ST	NG
					EX	ENS-5505	13202-3T900 -27T00 -85G00	34.10	8.00	123.50	45°	ST	NG
						ENS-5508	13202-67G00	34.10	8.00	123.50	45°	ST	MG
TRUCK	6800CC	69~	ND 6	6	IN	INS-0417	13201-95000	50.00	10.00	143.00	45°	F	CG
					EX	ENS-5417	13202-95000/2	41.00	10.00	143.00	45°	F	MG
TRUCK	7400CC	86~	NE 6	6	IN	INS-0477	13201-95005	52.00	10.00	143.00	45°	ST	MG
			NE 6 T	6	IN	INS-0470	13201-95006	52.00	10.00	143.80	60°	F	CG
					EX	ENS-5470	13202-95003	43.00	10.00	143.50	45°	F	CG
TRUCK CL/CM	7000CC	97~	FE 6 B FE 6 T	6	IN	INS-0471	13201-Z5501 -Z5507	48.50	9.00	130.70	60°		CG
					EX	ENS-5471	13202-Z5502 -Z5510	39.80	9.00	131.00	45°	F	CG
TURCK CW/CV EURO-2		94~	PF 6 TC	6	IN	INS-0478	13201-96008 -96009	57.60	12.00	158.60	60°	F	CG
					EX	ENS-5478	13202-96008 -NC000 -96010	53.80	12.00	157.80	45°	F	CG
PATROL TRUCK	4000CC	62~ 80~	P P40	6 6	IN	INS-0416	13201-58000/1 -C8000/1 -C8010	43.00	8.70	131.50	45°	F	MG
680/60/160					EX	ENS-5416	13202-58000/2 -C0600 -C8000	36.30	8.70	131.50	45°	F	MG
ATLAS	3200CC	98~	QD32	4	IN	INS-0500	13201-1W400	45.50	8.00	117.00	45°	F	NG
					EX	ENS-5500	13202-1W400	39.00	8.00	117.00	45°	F	NG
X-TRAIL AVANIR		00~	QR20DE	4	IN	INS-	13201-8H300						
					EX	ENS-	13202-6N200						
SKYLINE CEFIRO ALTIMA LAUREL A31/B31/C34	2000CC 2400CC 3000CC	89~	RB20 RB24 RB30	6	IN	INS-0450	13201-V5200/2	42.00	7.00	125.70	45°	ST	MG
					EX	ENS-5450	13202-V6510 -42E00 -V5210	35.00	7.00	124.50	45°	ST	MG



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VEHICLE MODEL	Year	ENGINE TYPE	CYL No.	IN EX	DOKURO No.	REFERENCE No.	Head Dia.	Stem Dia.	Overall Length	Seat Angle	Head Style	Stem End								
TRUCK 10300CC 11700CC CD/CK/CV	70~	PA 6 PD 6 PE 6	6	IN	INS-0419	13201-96003	57.50	12.00	158.50	60°	F	CG								
						-96006														
						-96007 -96028 -96215														
					INS-0420	13201-96000-2 -96005 -96025-7 -96029	57.50	12.00	157.50	45°	F	CG								
				EX	ENS-5420	13202-96000-02 -96007 -96025-27	47.00	12.00	158.00	45°	F	CG								
TRUCK KG/KM/KW		PE 6 T	6	IN	INS-0478	13201-96008 -96009	57.60	12.00	158.60	60°	F	CG								
						EX							ENS-5478	13202-96003 -96004	52.00	12.00	158.00	45°	F	CG
													ENS-5481	13202-96005	54.00	12.00	157.70	45°	F	CG
TRUCK 14300CC 10000CC CV/CW/WD/WG	72~	RD 8 RD10	8	IN	INS-0423	13201-97000 -97002	60.00	10.00	161.00	45°	F	CG								
						-97005 -97008-9 -97026														
	75~	RE 8 RE10	10	IN	INS-0422	13201-97001	60.00	10.00	161.20	60°	F	CG								
				EX	ENS-5423	13202-97000-5 -97011 -97025-7	50.00	12.00	161.20	45°	ST	CG								
TRUCK CD/CF/CG/CK	95~	RF 8 RG 8	8	IN	INS-0423	13201-97008	60.00	10.00	161.00	45°	F	CG								
						EX							ENS-5472	13202-97009 -97014 -97016-8 -97062 -97068	52.00	12.00	161.00	45°	F	MG
TRUCK CD55/CG55/CK551 CW55	97~	RH 8	8	IN	INS-0513	13201-97010	52.00	10.00	164.60	45°	ST	CG								
						EX							ENS-5513	13202-97069 -97064	47.90	10.0	164.60	45°	ST	CG
LAUREL CEDRIC PATROL	85~	RD28	6	IN	INS-0482	13201-40L01	39.10	7.00	101.90	45°	F	MG								
						EX							ENS-5482	13202-40L01	32.10	7.00	101.80	45°	ST	MG



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VEHICLE MODEL	Year	ENGINE TYPE	CYL No.	IN EX	DOKURO No.	REFERENCE No.	Head Dia.	Stem Dia.	Overall Length	Seat Angle	Head Style	Stem End
PATROL CEDRIC LAUREL 2800CC	85~	RD28T	6	IN	INS-0483	13201-V7202 -V7200 -V7201 -4P410	39.10	7.00	162.80	45°		MG
				IN	INS-0505	13201-0Y010 -22J00 -22J01	39.20	7.00	162.80	45°	ST	CG
				EX	ENS-5483	13202-V7202 -V7200 -4P410 -22J00	32.10	7.00	102.60	45°		MG
BLUE BIRD PRIMELA 2000CC	85~	SR20DE ⑩	4	IN	INS-0486	13201-53J00	34.10	6.00	101.50	45°	ST	CG
				EX	ENS-5486	13202-53J00/1	30.10	6.00	102.40	45°	FR	CG
BLUEBIRD PRIMELA SILVIA 2000CC		SR20DET	4	IN	INS-0507	13201-1E710/1	34.10	6.00	101.50	45°	ST	CG
				EX	ENS-5507	13202-64Y00	30.10	6.00	102.30	45°	ST	CG
JUNIOR CABALL 2200CC 3300CC	68~	SD22 SD33	4 6	IN	INS-0413	13201-Y5200 -90005	38.50	8.00	117.00	45°	F	CG
				EX	ENS-5413	13202-Y5200 -76200	32.50	8.00	117.00	45°	F	CG
OVER SIZE 0.20MM		SD22 SD33		IN	INS-0440	13201-Y5201 -90006	38.50	8.00	117.00	45°	ST	CG
				EX	ENS-5440	13202-Y5201 -76201	32.50	8.00	117.00	45°	ST	CG
OVER SIZE 0.40MM		SD22 SD33	4	IN	INS-0441	13201-Y5202 -90007	38.50	8.40	117.00	45°	ST	CG
				EX	ENS-5441	13202-Y5202 -76202	32.50	8.40	117.00	45°	ST	CG
URVAN PICK UP ATLAS E23/720/F22 2300CC 2500CC	83~	SD23 SD25	4	IN	INS-0438	13201-L2000	40.00	8.00	117.00	45°	F	CG
				EX	ENS-5438	13202-L2000	34.00	8.00	116.90	45°	F	CG
OVER SIZE 0.20MM		SD23 SD25	4	IN	INS-0463	13201-L2001	40.00	8.20	117.00	45°	F	CG
				EX	ENS-5463	13202-L2001	34.00	8.20	116.90	45°	F	NG
PATROL Y60 4200CC	88~	TB42	6	IN	INS-0475	13201-03J00	47.20	8.00	118.20	45°	ST	NG
				EX	ENS-5475	13202-03J00	38.00	8.00	119.00	45°		NG
PATROL 4500CC	98~	TB45	6	IN	INS-0499	1321-VB000	47.00	8.00	118.40	45°	ST	NG
				EX	ENS-5499	13202-54N00	38.00	8.00	119.00	45°	F	NG



NISSAN

VEHICLE MODEL	Year	ENGINE TYPE	CYL No.	IN EX	DOKURO No.	REFERENCE No.	Head Dia.	Stem Dia.	Overall Length	Seat Angle	Head Style	Stem End
PATROL SAFARI 4800CC	02~	TB48 ②④	6	IN	INS-0516	13201-VC200						
				EX	ENS-5516	13202-VC200						
URVAN ATLAS E24/F22 2300CC	87~	TD23	4	IN	INS-0459	13201-02N00	40.00	8.00	117.10	45°	F	CG
				EX	ENS-5459	13202-02N01	35.00	8.00	117.10	45°	F	CG
URVAN ATLAS PICK UP E24/F22/D21 2500CC	89~	TD25	4	IN	INS-0464	13201-44G00	41.50	8.00	117.10	45°	F	CG
				EX	ENS-5464	13202-44G00	37.00	8.00	117.10	45°	F	CG
PICK UP PATHFINDER PATROL D21/WD21/Y60 2700CC 4200CC		TD27 TD42	4	IN	INS-0455	13201-43G01	43.50	8.00	117.00	45°	F	CG
				EX	ENS-5455	13202-43G01	38.00	8.00	117.00	45°	F	CG
MISTARL with TURBO SPAIN KD 2700CC		TD27T	4	IN	INS-0489	13201-G2403	43.50	8.00	117.00	45°	F	CG
				EX	ENS-5489	13202-G2403 -51N00	38.00	8.00	117.00	45°		CG
CEDRIC Y30 2000CC	84~	VG20	V6	IN	INS-0447	13201-V5001 -V5010	38.00	7.00	128.20	45°	ST	MG
				EX	ENS-5447	13202-V5010	33.10	8.00	127.50	45°	ST	2MG
CEDRIC FAIRLADY Y30 3000CC	84~	VG30	V6	IN	INS-0450	13201-V5202	42.00	7.00	125.70	45°	ST	MG
				EX	ENS-5450	13202-V6510 -V5210 -42E00	35.00	7.00	124.50	45°	ST	MG
300ZX 3000CC	85~	VG30	V6	IN	INS-0492	13201-F6511	34.10	6.00	103.30	45°	ST	CG
				EX	ENS-5492	13202-F6511						
				EX	ENS-5493	13202-40P00	29.60	6.00	103.80	45°	ST	CG
300ZX without TURBO 3000CC	85~	VG30	V6	IN	INS-0494	13201-30P00	34.00	6.00	103.30	45°	ST	CG
				EX	ENS-5494	13202-38P00	29.60	6.00	103.70	45°	FR	CG
MAXIMA 3000CC	93~	VG30DET ②④	V6	IN	INS-0501	13201-97E00	35.00	6.00	110.60	45°	ST	CG
				EX	ENS-5501	13202-97E00	30.70	6.00	102.70	45°	ST	CG
MAXIMA 2000CC	96~	VQ20 ②④	V6	IN	IMS-0502	13201-31U00	29.00	6.00	104.00	45°	ST	CG
				EX	ENS-5502	13202-31U00	24.00	6.00	101.50	45°	ST	CG
CEDRIC MAXIMA 3000CC		VQ30 ②④	V6	IN	INS-0495	13201-38U00 -47U00	26.00	6.00	97.60	45°	ST	CG
				EX	ENS-5495	13202-38U00 -47U00	31.40	6.00	95.00	45°	ST	CG



NISSAN

VEHICLE MODEL	Year	ENGINE TYPE	CYL No.	IN EX	DOKURO No.	REFERENCE No.	Head Dia.	Stem Dia.	Overall Length	Seat Angle	Head Style	Stem End
AD VAN AVANIR	00~	YD22	4	IN	INS-0514	13201-AD210						
				EX	ENS-5514	13202-AD200						
PICK UP BLUE BIRD 720/910	1600CC 79~	Z16 Z18 Z20	4	IN	INS-0437	13201-W0500 -W7000	38.10	8.00	126.40	45°	ST	NG
	1800CC 79~			IN	INS-0421	13201-W0401 -Y8780	42.20	8.00	126.40	45°	ST	NG
				EX	ENS-5421	13202-W0401 -Y8780 -27G00	38.20	8.00	127.60	45°	ST	MG
PICK UP BLUE BIRD	2000CC 85~	Z22 Z24	4	IN	INS-0426	13201-N8500	42.00	8.00	124.20	45°	ST	NG
	2400CC 89~			IN	INS-0445	13201-N8501	42.00	8.00	124.20	45°	ST	
				EX	ENS-5426	13202-N8500	38.00	8.00	125.20	45°	ST	NG
URVAN	3000CC 00~	ZD30	4	IN	INS-	13201-2W200/1						
				EX	ENS-	13202-2W200						



SUBARU

VEHICLE MODEL	Year	ENGINE TYPE	CYL No.	IN EX	DOKURO No.	REFERENCE 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	81555-8600 -8610 -8620 31555-7000	36.60	8.0	108.50	45°	ST	NG
				EX	ESB-5601	81556-8600 -8610 31556-7000 41556-3400 -7100	32.60	8.0	109.00	45°	F	NG
SUBARU 1600CC AW/AF/AC/AG/AN	76~	EA71	4	IN	ISB-0602	31555-4300	39.70	8.0	109.00	45°	ST	NG
				EX	ESB-5602	31556-4300 41556-3200 41556-7000 -7010	34.60	8.0	109.00	45°	F	NG
SUBARU 1600CC 	76~	EA71	4	IN	ISB-0603	31555-4310	39.70	8.0	109.00	45°	ST	CG
				EX	ESB-5603	41556-3220 -4310	34.70	8.0	109.50	45°	ST	CG
SUBARU 1800CC 1600CC	79~	EA81 EA71	4 4	IN	ISB-0604	31555-7010 49715-5500	36.30	8.0	108.60	45°	F	CG
				EX	ESB-5604	41556-3410 41556-7110	32.60	8.0	109.20	45°	F	CG
REX	550CC	77~	2	IN	ISB-0606	41555-5400	35.00	7.0	111.00	45°	ST	PG
				EX	ESB-5606	41556-5400 -5500	30.00	7.0	110.60	45°	ST	PG
SUBARU BRAT	1600CC 1800CC	79~	4	IN	ISB-0607	41555-7000 41555-7100	41.40	8.0	109.40	45°	ST	CG
				EX	ESB-5607	41556-7200 -7210 -7300 -7310	35.00	8.0	109.40	45°	ST	CG
SUBARU 1600CC 1800CC	84~	EA71 EA81	4	IN	ISB-0612	13201-KA062 -KA120	29.00	7.0	108.30	45°	ST	CG
				EX	ESB-5612	13202-KA062 -KA160	30.00	7.0	110.60	45°	F	PG
SUBARU	1800CC	86~	4	IN	ISB-0613	13201-AA001 -AA002	42.10	7.0	107.70	45°	ST	PG



SUBARU

VEHICLE MODEL	Year	ENGINE TYPE	CYL No.	IN EX	DOKURO No.	REFERENCE No.	Head Dia.	Stem Dia.	Overall Length	Seat Angle	Head Style	Stem End
with TURBO				EX	ESB-5613	13202-AA011 -AA012	35.60	7.0	107.60	45°	ST	PG
without TURBO				EX	ESB-5614	13202-AA021 -AA022	35.50	7.0	108.20	45°	FR	PG
XT, AA4/5				IN		13201-KA031						
				EX		13202-KA031						
JUSTY DOMINGO	1000CC 1200CC	84~	3	IN	ISB-0615	13201-KA111	36.0	7.0	111.00	45°	ST	PG
KA/KJ				EX	ESB-5615	13202-KA161	30.00	7.0	110.70	45°	FR	PG
JUSTY DOMINGO	1200CC		3	IN	ISB-0617	13201-KA12	29.00	7.00	108.20	45°	ST	CG
				EX	ESB-5617	13202-KA181	33.00	7.00	108.50	45°	ST	CG
LEGACY	2000CC	90~	4	IN	ISB-0618	13201-AA072	31.00	6.00	101.00	45°	FR	CG
				EX	ESB-5618	13202-AA171	28.00	6.00	101.20	45°	ST	CG
FORSTER IMPREZA LEGACY	2500CC	98~	4	IN	ISB-0619	13201-AA310 -AA340	36.00	6.00	106.00	45°	ST	CG
				EX	ESB-5619	13202-AA320 -AA350	32.00	6.00	106.20	45°	ST	CG
LEGACY	2000CC		4	IN	ISB-0620	13201-AA390	36.00	6.00	104.50	45°	ST	CG
				EX	ESB-5620	13202-AA400	32.00	6.00	104.80	45°	ST	CG
LEGACY IMPREZA W/O TURBO	2200CC	90~	4	IN	ISB-0621	13201-AA082 -AA080 -AA190	36.00	6.00	101.00	45°	ST	CG
				EX	ESB-5621	13202-AA112 -AA110 -AA171	28.00	6.00	101.30	45°	ST	CG
LEGACY IMPREZA	2000CC	90~93	4	IN	ISB-0622	13201-AA480 -AA060	36.00	6.50	98.00	45°	FR	CG
				EX	ESB-5622	13202-AA490 -AA081	32.00	6.50	97.60	45°	FR	CG
LEGACY IMPREZA WITH TURBO	2000CC	90~96	4	IN	ISB-0623	13201-AA252 -AA250	36.00	6.00	93.70	45°	ST	CG
				EX	ESB-5623	13202-AA481 -AA272 -AA283	32.00	6.0	94.00	45°	ST	CG
LEGACY	2500CC		4	IN	ISB-0625	13201-AA361	36.00	6.00	120.60	45°	F	CG
				EX	ESB-5625	13202-AA371	31.50	6.00	121.65	45°	F	CG
WRX			4	IN	ISB-0626	13201-AA371	36.00	6.00	104.5	45°	F	CG
				EX	ESB-5626	13202-AA411	32.00	6.00	104.60	45°	F	CG



SUZUKI

VEHICLE MODEL	Year	ENGINE TYPE	CYL No.	IN EX	DOKURO No.	REFERENCE No.	Head Dia.	Stem Dia.	Overall Length	Seat Angle	Head Style	Stem End
ALTO FRONTE JIMNY CARRY	550CC 800CC 550CC	78~ 78~ 76~	F5A F8A LJ50 F10	3 3 3 4	IN	ISZ-0651 12911-73000 -73001 -73002 -73003 -73010 -73011 -78100 -78101 -84000	31.60	7.0	110.0	45°	ST	CG
ST80/90 SB305/308 ST20/30 SJ10					EX	ESZ-5651 12915-73000 -73001 -73002 -73003 -73005 -73010 -73011 -73812 -78110 -84000 -84010 -84101	27.60	7.0	109.60	45°	F	CG
SWIFT CULTAS JIMNY	1000CC 1000CC 1300CC	83~ 83~ 85~	F10A G10 G13A/B	4 3 4	IN EX	ISZ-0652 12911-82000 -82010 ESZ-5652 12915-82000 -82050 -82062	36.00 30.00	7.0 7.0	115.60 114.60	45° 45°	ST ST	CG CG
SF310/SA410 SJ410/413 SF413												
ESCUDO VITARA	1600CC	86~	G16A	4	IN EX	ISZ-0653 12911-60A10 ESZ-5653 12915-60A50 -60A00	36.60 32.50	7.0 7.0	115.70 114.50	45° 45°	FR F	CG CG
SE416												
VITARA	1600CC	90~	G16A	4	IN EX	ISZ-0655 12911-71C00 ESZ-5655 12915-71C50	29.20 25.00	5.5 5.5	92.20 80.00	45° 45°	ST F	CG CG
SF416			Ⓜ									
SWIFT AA33/AB33	1300CC	86~	G13A	4	IN EX	ISZ-0656 12911-86511 -86500 ESZ-5656 12915-86510 -86561 -86500	29.00 24.10	5.5 5.5	105.20 104.60	45° 45°	ST ST	CG CG
AA33/AB33			Ⓜ									
SWIFT AA34/AB34	1300CC	89~	G13A	4	IN EX	ISZ-0654 12911-60B20 ESZ-5654 12915-60B70	35.00 28.00	5.5 5.5	84.20 84.00	45° 45°	ST F	CG CG
AA34/AB34			Ⓜ									
DAEWOO TICO	800CC		F8C	3	IN EX	IDW-0602 12911-78B00 EDW-5602 12915-78B00	35.60 31.80	5.5 5.5	110.50 110.50	45° 45°	ST ST	CG CG
TICO												



SUZUKI

VEHICLE MODEL	Year	ENGINE TYPE	CYL No.	IN EX	DOKURO No.	REFERENCE No.	Head Dia.	Stem Dia.	Overall Length	Seat Angle	Head Style	Stem End
SIDEKICK 1600CC		G16	4	IN	ISZ-0657	12911-85FA0	30.00	6.00	86.20	45°	ST	CG
		H20 (16)	6	EX	ESZ-5657	12915-85F50	25.00	6.00	86.00	45°	ST	CG
VITARA BALENO ESTEEM		H25	V6	IN	ISZ-0658	1291199FA0	33.00	6.00	86.20	45°	ST	CG
		J20	4	EX	ESZ-5658	12915-86F50	28.00	6.00	86.00	45°	ST	CG
		J18	4									
AERIO 1800CC	03~	M18A	4	IN	ISZ-0661	1291-73G00						
		(16)		EX	ESZ-5661	12915-73G00						
WAGON R+ SWIFT CRUZE	00~	M13A	4	IN	ISZ-0662	12911-54G00						
		(16)		EX	ESZ-5662	12915-54G50						



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VEHICLE MODEL		Year	ENGINE TYPE	CYL No.	IN EX	DOKURO No.	REFERENCE No.	Head Dia.	Stem Dia.	Overall Length	Seat Angle	Head Style	Stem End	
COROLLA TERCEL CARINA CORONA	1500CC	78~	1A	4	IN	ITY-0546	13711-15010	36.00	7.00	106.70	45°	F	MG	
	1300CC	80~	2A					-15030						
	1500CC	80~	3A		EX	ETY-5546	13715-15010		31.00	7.00	106.70	45°	F	MG
	1600CC	83~	4A											
AE80/90/100 AL10/20 AT150/160/170														
COROLLA CARINA	1600CC	88~	4AF	4	IN	ITY-0569	13711-15050	30.00	6.00	91.50	45°	ST	CG	
	1500CC	87~	5A					-15071						
					EX	ETY-5569	13715-15030		24.60	6.00	92.00	45°	F	CG
AE92/95/101/104 AT190			⑩				-15050							
COROLLA	1600CC	87~	4AFE	6	IN	ITY-0598	13711-15090	31.00	6.00	87.50	45°	FR	CG	
	1800CC				EX	ETY-5589	13715-15070		24.50	6.00	88.00	45°	FR	CG
			⑩				-16060							
COROLLA GT CELICA MR2 AA63 AE86/92/101 AW11	1600CC	83~	4AG	4	IN	ITY-0559	13711-16010	30.50	6.00	99.60	45°	ST	CG	
					EX	ETY-5559	13715-16010		25.40	6.00	99.80	45°	ST	CG
			⑩											
COROLLA	1800CC	96~	4AFE 7AFE		IN	ITY-0589	13711-16060	31.00	6.00	88.00	45°	FR	CG	
					EX	ETY-5589	13715-16060		24.50	6.00	88.00	45°	F	CG
AE102			⑩				-15070							
COROLLA	1600CC	91~	4AGE IN-⑧ EX-⑫	4	IN	ITY-0603	13711-16040	26.50	5.00	98.60	45°	FR	CG	
					EX	ETY-5603	13715-16040		26.00	5.00	108.50	45°	FR	CG
CAMRY RAV4 WISH AVENSIS PICNIC PREVIA/TARAGO	2000/2400CC	00~	1AZ 2AZ	4	IN	ITY-0621	13711-28010	34.00	5.50	101.70	45°	ST	CG	
					EX	ETY-5621	13715-28010		29.45	5.50	101.20	45°	ST	CG
							-28030							
DYNA LANDCRUISER	3000CC	72~	B	4	IN	ITY-0538	13711-56010	45.00	9.00	128.00	45°	F	MG	
					EX	ETY-5538	13715-56010		37.50	9.00	127.80	45°	F	MG
EU20/30/BJ4#														
DYNA COASTER LANDCRUISER	3000CC	77~	B 2B	4	IN	ITY-0556	13711-56020	45.00	9.00	128.00	45°	F	CG	
	3200CC	77~			EX	ETY-5556	13715-56020		37.50	9.00	127.80	45°	F	CG
BU20/30/BJ4#							-53030/1 -56030/1							



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VEHICLE MODEL	Year	ENGINE TYPE	CYL No.	IN EX	DOKURO No.	REFERENCE No.	Head Dia.	Stem Dia.	Overall Length	Seat Angle	Head Style	Stem End
DYNA 3000CC LANDCRUISER	77~	B 2B	4	IN	ITY-0586	13711-56040	44.00	9.00	128.00	45°	F	CG
				EX	ETY-5586	13715-56040	36.50	9.00	128.00	45°	F	CG
DYNA 3000CC LANDCRUISER	82~	B 2B	4	IN	ITY-0582	13711-56050	45.00	9.00	126.50	45°	F	CG
				EX	ETY-5582	13715-56050	37.50	9.00	126.40	45°	F	CG
DYNA 3400CC COASTER LANDCRUISER BJ4# /6# /BU/BB	80~	3B	4	IN	ITY-0544	13711-58010	46.00	9.00	128.30	45°	F	CG
				EX	ETY-5544	13715-58010	41.00	9.00	127.80	45°	F	CG
DYNA 3000CC COASTER LANDCRUISER	85~	11B 13B	4	IN	ITY-0544	13711-58010	46.00	9.00	128.30	45°	F	CG
	3400CC 85~			EX	ETY-5557	13715-58020/1	38.50	9.00	128.10	45°	F	CG
DYNA		11B		IN	ITY-0604	13711-56060	44.00	9.00	126.60	45°	F	CG
				EX	ETY-5604	13715-56060	36.40	9.00	126.60	45°	F	CG
DYNA LAND CRUISER BU6# /8# /9#		13B 14B	4	IN	ITY-0573	13711-58020 -58050	46.00	9.00	127.00	45°	F	CG
				EX	ETY-5573	13715-58030	38.50	9.00	128.00	45°	F	CG
				EX	ETY-5585	13715-58040	38.50	9.00	126.50	45°	F	CG
				EX	ETY-5599	13715-58050	41.10	9.00	126.50	45°	F	CG
DYNA 4100CC	88~	15B	4	IN	ITY-0613	13711-58030	37.00	7.00	126.50	45°	F	CG
				EX	ETY-5613	13715-58070	33.10	7.00	126.50	45°	F	CG
COROLLA VAN 1800CC CORONA VAN 2000CC CE7# /8# /CT150/160	81~	1C 2C	4	IN	ITY-0552	13711-64010	38.50	8.00	106.50	45°	F	CG
	83~			EX	ETY-5552	13715-64010 -64020/1	32.50	8.00	106.50	45°	F	CG
COROLLA VAN 1800CC CARINA 2000CC CE95/CT170	89~	1C 2C	4	IN	ITY-0590	13711-64011 -64020	38.50	8.00	105.00	45°	F	CG
	90~			EX	ETY-5590	13715-64012 -64030 -64040	32.50	8.00	105.00	45°	F	CG
TRUCK 6000CC 6500CC DA100	69~76	D 2D	6 6	IN	ITY-0535	13711-76010~3	47.00	10.00	161.70	45°	F	CG/MG
				EX	ETY-5535	13715-76010~4	42.90	10.00	161.50	45°	F	CG/MG
TRUCK 6500CC DA100	77~81	2D	6	IN	ITY-0536	13711-77010	47.00	10.00	158.70	45°	F	MG
				EX	ETY-5536	13715-77010	43.00	10.00	158.60	45°	F	MG
TRUCK 6500CC DA110/120	81~	2D	6	IN	ITY-0555	13711-77011	46.80	10.00	158.50	45°	F	CG
				EX	ETY-5555	13715-77011	42.80	10.00	158.50	45°	F	CG



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VEHICLE MODEL	Year	ENGINE TYPE	CYL No.	IN EX	DOKURO No.	REFERENCE No.	Head Dia.	Stem Dia.	Overall Length	Seat Angle	Head Style	Stem End
COROLLA 1000CC STARLET 1300CC TERCEL 1500CC EP70/EL31/42 EE90	84~	1E	4	IN	ITY-0577	13711-10020	39.30	6.00	92.30	45°	ST	CG
		2E		IN	ITY-0677	13712-10010	21.10	6.00	98.70	45°	F	CG
		3E		EX	ETY-5577	13715-10030	31.10	6.00	92.40	45°	F	CG
		(12)										
SERA 1300CC TERCEL 1500CC EL4# /5# /EXY10	95~	4EFE	4	IN	ITY-0584	13711-11010/1	28.60	6.00	93.60	45°	FR	CG
		5EFE	4	EX	ETY-5584	13715-11030	24.50	6.00	94.00	45°	FR	CG
		(16)										
LAND CRUISER 3800CC	54~	F	6	IN	ITY-0539	13711-60010	44.00	8.00	153.00	45°	F	PG
				EX	ETY-5539	13715-60010	37.50	8.00	121.50	45°	F	PG
LAND CRUISER 3800CC FJ43	60~	F	6	IN	ITY-0540	13711-60011	44.00	8.00	152.60	45°	T	MG/NG
				EX	ETY-5540	13715-60011	37.60	8.00	121.20	45°	F	MG/NG
LAND CRUISER 3800CC FJ43	60~	F	6	IN	ITY-0541	13711-60020	46.00	8.00	125.00	45°	F	MG
				EX	ETY-5541	13715-60030/1	37.50	8.00	125.00	45°	ST	MG
LAND CRUISER 4200CC FJ40/43/45/55/60/70/80	75~	2F 3F	6 6	IN	ITY-0542	13711-60021 -61010 -61020	46.00	8.00	125.00	45°	ST	3CG
				EX	ETY-5542	13715-60032 -61010 -61030	37.50	8.00	125.30	45°	ST	3CG
				EX	ETY-5579	13715-61020 -61040	37.50	8.00	128.00	45°	ST	MG
LAND CRUISER 4500CC FZJ80	92~	1FZ	6	IN	ITY-0593	13711-66020 -66030	38.00	7.00	98.70	45°	ST	CG
				EX	ETY-5593	13715-66020 -66030	32.00	7.00	98.20	45°	FR	CG
		(24)										
CRESSIDA (GL16) 2000CC CELICA/CROWN GA60/GS126 GX60/70/80	80~	1G	6	IN	ITY-0548	13711-70010 -70020	36.00	7.00	109.50	45°	F	MG
				EX	ETY-5548	13715-70010 -70020	31.00	7.00	109.50	45°	F	MG
CRESSIDA	88~	1G	6	IN	ITY-0605	13711-70050	28.00	6.00	93.40	45°	FR	CG
				EX	ETY-5605	13715-70050	23.50	6.00	93.40	45°	FR	CG
		(24)										
DYNA 3600CC LAND CRUISER 4000CC COASTER HU30/40/59/HJ47/60/75	69~ 82~	H 2H	6 6	IN	ITY-0545	13711-68010	42.00	9.00	120.90	45°	F	CG
				EX	ETY-5545	13715-68010	35.00	9.00	120.80	45°	F	CG
LAND CRUISER 4200CC HZJ7 # /8 # /HDJ8 #	90~	IHZ 1HDT	6	IN	ITY-0578	13711-17010	42.50	8.00	103.60	45°	F	CG
				EX	ETY-5578	13715-17010	36.00	8.00	103.40	45°	F	CG



TOYOTA

VEHICLE MODEL	Year	ENGINE TYPE	CYL No.	IN EX	DOKURO No.	REFERENCE No.	Head Dia.	Stem Dia.	Overall Length	Seat Angle	Head Style	Stem End
LANDCRUISER HDJ-80 4200CC	95~	1HD-FTE	6	IN	ITY-0616	13711-17020	33.00	7.00	127.20	45°	F	CG
				EX	ETY-5616	13715-17020	30.50	7.00	126.80	45°	F	CG
DYNA JU30 2400CC 2500CC	65~	J	4	IN	ITY-0537	13711-46010/3	40.50	9.00	120.50	45°	F	MG
	68~	2J		EX	ETY-5537	13715-46010~3	33.50	9.00	120.60	45°	F	MG
TOYOACE JU16/30 2500CC	81~	2J	4	IN	ITY-0549	13711-48010/1	40.50	9.00	120.90	45°	F	CG
				EX	ETY-5549	13715-48010	33.50	9.00	120.60	45°	F	CG
CHASER CROWN CRESTA/MARK II 2500/3000CC	99~	1JZ 2JZ	6	IN	ITY-0620	13711-46022						
				EX	ETY-5620	13715-46020						
PUBLICA COROLLA 1100CC	66~	K	4	IN	ITY-0501	13711-22010	34.00	8.00	100.00	45°	ST	MG/CG
				EX	ETY-5501	13715-22010	28.00	8.00	100.20	45°	ST	MG/CG
PUBLICA COROLLA 1100CC	66~	K	4	IN	ITY-0502	13711-22011	34.00	8.00	100.00	45°	ST	MG
				EX	ETY-5502	13715-22011	28.00	8.00	100.00	45°	F	MG
COROLLA STARLET 1200CC KP42/KE20/25	69~	2K 3K	4	IN	ITY-0503	13711-24010 -24020	36.00	8.00	100.00	45°	F	MG/CG
			4	EX	ETY-5503	13715-24010/1 -24020/1	29.00	8.00	100.00	45°	ST	MG/CG
COROLLA STARLET TAMARAW 1300CC 1300CC 1500CC KF1# /2# /4# /5# KE30/KE7# /KP6#	69~	3K	4	IN	ITY-0504	13711-24011/2	36.00	8.00	100.00	45°	F	MG
	78~	4K	4	EX	ETY-5504	13715-24012 -24030	29.00	8.00	100.00	45°	F	MG
	83~	5K 7k	4	EX	ETY-5505	13715-24013 -24031	29.00	8.00	100.00	45°	F	MG
REVO 1800CC	95~	7K	4	IN	ITY-0606	13711-13010	36.00	8.00	100.00	45°	FR	CG
LAND CRUISER 90 3000CC PRADO,COROLADO	96~	1KZT	4	IN	ITY-0570	13711-54020	42.40	8.00	103.50	45°	F	CG
				EX	ETY-5608	13715-67020	37.00	8.00	103.40	45°	F	CG
LAND CRUISER 3000CC PRADO,COROLADO KZJ9S	99~	1KZ-TE	4	IN	ITY-0610	13711-54040	42.50	8.00	104.40	45°	F	CG
				EX	ETY-5610	13715-67040	37.00	8.00	104.40	45°	F	CG
HILUX HIACE CRESSIDA/CROWN LN40/50/60 LH20/40/50/60/70 LX40/60/LS110/120	78~	L	4	IN	ITY-0547	13711-54010	42.60	8.50	123.00	45°	F	3CG
	83~	2L		EX	ETY-5547	13715-54010 -54020 -54030	35.00	8.50	122.80	45°	F	3CG



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VEHICLE MODEL	Year	ENGINE TYPE	CYL No.	IN EX	DOKURO No.	REFERENCE No.	Head Dia.	Stem Dia.	Overall Length	Seat Angle	Head Style	Stem End	
HILUX 2400CC	89~	2L	4	IN	ITY-0570	13711-54020	42.40	8.00	103.50	45°	F	CG	
HIACE 2800CC	89~	3L		EX	ETY-5570	13715-54040	36.10	8.00	103.40	45°	F	CG	
CRESSIDA/CROWN LN80/LH100 LX80/76/LS130/140													
	2400CC	2L	4	EX	ETY-5578	13715-17010	36.00	8.00	103.40	45°	F	CG	
HILUX LN150	98~	5L	4	IN	ITY-0609	13711-54030	42.50	8.00	104.40	45°	F	CG	
				EX	ETY-5609	13715-54050	36.00	8.00	104.20	45°	F	CG	
CROWN MS5#	2400CC	66~	M	6	IN	ITY-0530	13711-41010	40.00	8.00	113.00	45°	F	MG
				EX	ETY-5530	13715-41010	34.00	8.00	120.70	45°	F	MG	
CROWN	2600CC	66~	M	6	IN	ITY-0526	13711-41011/2	40.00	8.00	114.20	45°	F	MG
				EX	ETY-5526	13715-41011/2	34.00	8.00	123.20	45°	F	MG	
CROWN MS85/95/111	2600CC	74~	4M 5M	6	IN	ITY-0527	13711-41020 -45010 -45020	38.00	8.00	116.20	45°	ST	MG
				EX	ETY-5527	13715-45010 -45020	33.00	8.00	113.30	45°	ST	MG	
CROWN CELICA SUPRA MS112/123 MA55/61/67	2800CC	80~	5M	6	IN	ITY-0528	13711-43010 -43020	42.00	8.00	116.40	45°	ST	MG
CROWN CELICA SUPRA MS125/135	2800CC	84~ 85~	5M 6M	6	IN	ITY-0529	13711-43030	44.00	8.00	107.50	45°	F	MG
				EX	ETY-5529	13715-43010	36.00	8.00	109.80	45°	F	MG	
SUPRA MA70	3000CC	86~	7M	6	IN	ITY-0571	13711-42020	32.00	6.00	98.20	45°	FR	CG
			Ⓓ	EX	ETY-5571	13715-42010	27.60	6.00	98.20	45°	F	NG	
AVALON LEXAS ES 300	3000CC		1MZ	6	IN	ITY-0607	13711-20020	34.00	5.50	95.50	45°	FR	CG
			Ⓓ	EX	ETY-5607	13715-20020	27.30	5.50	95.40	45°	FR	CG	
STARLET	1500CC	87~	1N	4	IN	ITY-0611	13711-55010	34.00	6.00	91.30	45°	F	CG
				EX	ETY-5611	13715-55010	29.00	6.00	91.30	45°	FR	CG	
YARIZ ECHO		00~	2N	4	IN	ITY-0612	13711-21010	30.50	5.00	89.20	45°	FR	CG
			Ⓓ	EX	ETY-5612	13715-21010	25.50	5.00	88.00	45°	FR	CG	
CORONA	1500CC	64~	2R	4	IN	ITY-0513	13711-31010	40.00	8.00	116.00	45°	F	NG/MG
				EX	ETY-5513	13715-31010	32.00	8.00	116.00	45°	F	NG/MG	



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VEHICLE MODEL	Year	ENGINE TYPE	CYL No.	IN EX	DOKURO No.	REFERENCE No.	Head Dia.	Stem Dia.	Overall Length	Seat Angle	Head Style	Stem End
CORONA 1500CC		2R	4	IN	ITY-0514	13711-31011	40.00	8.00	116.00	45°	F	MG
				EX	ETY-5514	13715-31011	32.00	8.00	116.00	45°	F	MG
CORONA 1500CC		2R	4	IN	ITY-0515	13711-31012	39.00	8.00	116.00	45°	F	MG/CG
				EX	ETY-5515	13715-31012	33.00	8.00	116.00	45°	F	MG/CG
CORONA 1900CC HIACE HILUX RT40/50 RH10/RN10	66~	3R	4	IN	ITY-0531	13711-40010 -40020 -40030	42.00	9.00	125.00	45°	F	NG/CG
				EX	ETY-5531	13715-40010 -40020/1	35.00	9.00	124.80	45°	F	NG/CG
CROWN 2000CC STOUT RS80/RK101	70~	5R	4	IN	ITY-0532	13711-44010/1	43.00	8.50	109.50	45°	ST	MG/CG
				EX	ETY-5532	13715-44010 -44020	37.00	8.50	109.50	45°	F	MG/CG
STOUT 2000CC DYNA	70~	5R	4	IN	ITY-0533	13711-44012	43.10	8.50	109.70	45°	F	2CG
				EX	ETY-5533	13715-44021	37.00	8.50	110.00	45°	ST	2CG
STOUT 2000CC DYNA CORONA RK101/110 RU20/30 RT100	79~	5R	4	IN	ITY-0534	13711-44013	43.00	8.50	109.50	45°	F	CG
				EX	ETY-5534	13715-44022	37.00	8.50	110.30	45°	ST	CG
CORONA 1700CC 1600CC RT60/70/80 RX10	70~	6R	4	IN	ITY-0516	13711-33010/1	43.00	8.00	114.40	45°	ST	MG
	68~ 1800CC 68~	7R 8R		EX	ETY-5516	13715-33010/1 -33030	34.00	8.00	114.20	45°	F	MG
HILUX 1600CC CORONA RN20/25 RT80	70~	12R	4	IN	ITY-0517	13711-31030 -31040	40.00	8.00	109.00	45°	ST	MG/CG
				EX	ETY-5517	13715-31030 -31040 -31050	34.00	8.00	109.00	45°	F	MG/CG
HILUX 1600CC CORONA RN30/40 RT127/130	77~	12R	4	IN	ITY-0518	13711-31050	40.00	8.00	109.00	45°	F	CG
				EX	ETY-5518	13715-31070	34.00	8.00	109.00	45°	F	CG
HILUX 1800CC CRESSIDA 2000CC HIACE CORONA RT110/123/132 RN30/40 RH22/3#/4# RX30	71~	16R	4	IN	ITY-0519	13711-34010~2 -34030/1	41.00	8.00	113.20	45°	ST	MG
	71~	18R		EX	ETY-5519	13715-34010~2 -34022 -34030~3 -34050 -36021	36.00	8.00	113.30	45°	F	MG



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VEHICLE MODEL	Year	ENGINE TYPE	CYL No.	IN EX	DOKURO No.	REFERENCE No.	Head Dia.	Stem Dia.	Overall Length	Seat Angle	Head Style	Stem End	
	73~	18R		IN	ITY-0520	13711-36020-1 -36040	43.00	8.00	113.30	45°	F	MG	
				EX	ETY-5520	13715-34013	36.00	8.00	113.80	45°	FR	MG	
CRESSIDA DYNA	2200CC 2000CC	75~ 78~	20R 21R	IN	ITY-0523	13711-37010 -38010 -38050	43.00	8.00	115.60	45°	FR	MG	
RX60/70 RU50				EX	ETY-5523	13715-38010/1 -38020 -38050	36.00	8.00	113.90	45°	F	MG	
				EX	ETY-5554	13715-37020	36.00	8.00	113.90	45°	ST	MG	
CRESSIDA DYNA HILUX	2000CC 2200CC	84~ 84~	21R 22R	IN	ITY-0524	13711-35010 -35030/1 -35040 -35050/1	45.00	8.00	114.10	45°	F	MG	
RX70/80 RU80/90 RN50/80/90/100				EX	ETY-5524	13715-35020	37.00	8.00	112.70	45°	F	MG	
				EX	ETY-5525	13715-35010 -35030/1 -35040	37.00	8.00	112.90	45°	ST	MG	
HIACE	2000CC 2500CC	89~ 89~	1RZ 2RZ	4 4	IN	ITY-0580	13711-75020	8.00	102.00	45°	ST	CG	
RZH100/103/125				EX	ETY-5580	13715-75010 -75020	35.10	8.00	102.30	45°	FR	CG	
HIACE	2500CC	89~	2RZE	4	IN	ITY-0596	13711-75030	46.00	8.00	102.20	45°	FR	CG
				EX	ETY-5596	13715-75030	38.10	8.00	102.20	45°	FR	CG	
HIACE	2800CC	95~	3RZE	4	IN	ITY-0600	13711-75070	37.50	6.00	104.00	45°	ST	CG
			⑩	EX	ETY-5592	13715-75060 -76020/30	30.60	6.00	104.00	45°	ST	CG	
4 RUNNER HILUX	2800CC	95~	3RZFE	4	IN	ITY-0602	13711-75060	37.50	6.00	103.50	45°	FR	CG
			⑩	EX	ETY-5602	13715-75050	30.50	6.00	103.70	45°	FR	CG	
CORONA CELICA CARINA SA60/ST150	1800CC 2000CC	82~ 82~	1S 2S	4 4	IN	ITY-0550	13711-63010	40.00	8.00	109.70	45°	F	MG
				EX	ETY-5550	13715-63010/1	34.00	8.00	109.30	45°	ST	MG	
CORONA CELICA	2000CC	89~	3S	4	IN	ITY-0572	13711-74020 -74040	32.10	6.00	100.60	45°	ST	CG
ST170/180/190			⑩	EX	ETY-5572	13715-74020 -74050 -74060	27.00	6.00	100.60	45°	F	CG	



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VEHICLE MODEL	Year	ENGINE TYPE	CYL No.	IN EX	DOKURO No.	REFERENCE No.	Head Dia.	Stem Dia.	Overall Length	Seat Angle	Head Style	Stem End
CAMRY CORONA	91~	3S 5S ⑩	4	IN	ITY-0591	13711-74080 -74090 -03020	32.00	6.00	97.50	45°	ST	CG
				EX	ETY-5591	13715-74080 -74090 -03020	27.00	6.00	98.50	45°	FR	CG
CAMRY	91~	3S 5S ⑩	4	IN	ITY-0594	13711-74101	32.00	6.00	97.50	45°	FR	CG
				EX	ETY-5594	13715-74101	27.00	6.00	98.50	45°	FR	CG
MR2 CELICA CAMRY	96~	3SG ⑩	4	IN	ITY-0583	13711-88360/1	33.40	6.00	103.00	45°	ST	CG
				EX	ETY-5583	13715-88360	29.00	6.00	102.00	45°	ST	CG
CELICA CARINA II 2000CC	94~	3SGE 3SGTE ⑩	4	IN	ITY-0622	13711-88362	33.50	6.00	100.6	45°		CG
				EX	ETY +5622	13715-88361	29.00	6.00	99.60	45°		CG
PREVIA ESTIMA 2400CC	90~	2TZ ⑩	4	IN	ITY-0592	13711-76020	36.00	6.00	103.70	45°	FR	CG
				EX	ETY-5592	13715-76020/30	30.60	6.00	104.00	45°	ST	CG
CARINA CELICA 1400CC 1600CC	70~ 70~	T 2T	4 4	IN	ITY-0506	13711-25010	41.00	8.00	109.20	45°	F	MG/CG
				EX	ETY-5506	13715-25010	36.00	8.00	109.00	45°	F	MG/CG
CARINA CELICA CORONA/COROLLA 1600CC 1800CC TA1 # /3# /4# TT100/TE2 #	72~ 72~	2T 3T	4 4	IN	ITY-0507	13711-25011	41.00	8.00	109.00	45°	F	MG
				EX	ETY-5507	13715-25011	36.00	8.00	109.00	45°	F	MG
LEXUS CROWN 4000CC	89~	1UZ ⑩	V8	IN	ITY-0619	13711-50050						
				EX	ETY-5619	13715-50050						
LAND CRUISER UZJ100 4700CC	98~	2UZ ⑩	V8	IN	ITY-0617	13711-50060	34.50	5.50	95.10	45°		CG
				EX	ETY-5617	13715-50060	29.00	5.50	95.10	45°		CG
CAMRY VZV21 2500CC	88~	2VZ ⑩	V6	IN	ITY-0597	13711-62020	33.00	6.00	96.20	45°	F	CG
				EX	ETY-5597	13715-62020	27.30	6.00	96.20	45°	F	CG
4 RUNNER CAMRY VZN100 VZN130 3000CC	91~	3VZE ⑩	V6	IN	ITY-0587	13711-65010 -65020	42.00	8.00	104.30	45°	ST	CG
				EX	ETY-5587	13715-65010 -65020	35.00	8.00	104.20	45°	ST	CG
LEXUS ES300 CAMRY PRADO	90~	3VZFE 5VZFE ⑩	V6	IN	ITY-0595	13711-62040	34.10	6.00	95.60	45°	ST	CG
				EX	ETY-5595	13715-62030	27.30	6.00	95.00	45°	ST	CG



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VEHICLE MODEL	Year	ENGINE TYPE	CYL No.	IN EX	DOKURO No.	REFERENCE No.	Head Dia.	Stem Dia.	Overall Length	Seat Angle	Head Style	Stem End
HILUX 4 RUNNER CAMRY 3400CC	95~	5VZFE (24)	V6	IN	ITY-0601	13711-62030	34.00	6.00	95.20	45°	FR	CG
				EX	ETY-5601	13715-62050	27.30	6.00	95.00	45°	F	CG
HILUX HIACE YH50/60 YH50/60 1600CC 1800CC 2000CC 2400CC	82~	1Y 2Y 3Y 4Y	4	IN	ITY-0553	13711-71010 -71020	40.00	8.00	108.30	45°	F	CG
				EX	ETY-5553	13715-71010 -71020	36.00	8.00	108.60	45°	F	CG
				IN	ITY-0614	13711-22030	32.00	5.50	88.80	45°		CG
				EX	ETY-5614	13715-22030	27.50	5.50	88.80	45°		CG
COROLLA CELICA ZZE122/ZZT230 1800CC	99~	1ZZ-FE (16)	4	IN	ITY-0618	13711-88600	34.00	5.50	111.30	45°		CG
				EX	ETY-5618	13715-88600	29.50	5.50	111.70	45°		CG
CELICA ZZT231 1800CC	99~	2ZZ-FE (16)	4	IN	ITY-0615	13711-22040	31.00	5.50	88.80	45°		CG
				EX	ETY-5615	13715-22040	26.00	5.50	88.80	45°		CG
COROLLA 1600CC	99~	3ZZ-FE (16)	4	IN	ITY-0615	13711-22040	31.00	5.50	88.80	45°		CG



KOREAN SPECIFICATION

ASIA

SS	IN		K638-12-111
	EX		K638-12-121
TOWNER	IN	IDH-0004	AA100-12-111
	EX	EDH-5004	AA100-12-121

KIA

BESTA 2700CC 1996~	IN	IMZ-0300	VN01-12-111
	EX	EMZ-5300	VN01-12-121
SF E2200 S2 1977/1980	IN	IMZ-0259	0636-12-111
	EX	EMZ-5266	0527-12-121
PRIDE	IN	IMZ-0290	KK153-12-121
	EX	EMZ-5291	KK150-12-121
R2	IN	IMZ-0278	K710-12-111
	EX	EMZ-5278	K710-12-121
J2 2700CC 1998	IN		K65D-12-111
	EX		K65B-12-121
SL	IN	IMZ-0280	K410-12-111
	EX	EMZ-5280	K410-12-111
VM39B COBI TURBO 410CC 1998~	IN		2036-0026F
	EX		2036-2005F
B5 DOHC	IN	IMZ-0284	B6S7-12-111
	EX	EMZ-5279	K938-12-121
B6 SOHC	IN	IMZ-0283	K930-12-111
	EX	EMZ-5283	K930-12-121
1500CC DOHC MPFI	IN		K30E-12-111
	EX		K30E-12-121
PREGIO 2.7	IN	IMZ-0310	OK65A-12-111A
	EX	EMZ-5311	OK65A-12-121A
PREGIO 3.0	IN	IMZ-0311	OK65C-12-111
	EX	EMZ-5311	OK65A-12-121A
RIO 1.3	IN	IMZ-0316	OK30C-12-111
	EX	EMZ-5316	OK30C-12-121
RIO 1.5	IN	IMZ-0317	OK30E-12-111
	EX	EMZ-5317	OK30E-12-121

SSANGYONG

TUNED BY M-BENZ	IN	IMD-0201	601-053-1201
	EX	EMD-5201	601-050-2527



KOREAN SPECIFICATION

DAEWOO

TICO	800CC	IN	IDW-0602	12911-78B00
		EX	EDW-5602	12915-78B00
LANOS SENCILLO		IN	IDW-0603	96182934
		EX	EDW-5603	96182933
CIELO LANOS NUBIRA	1500CC (DOHC)	IN	IDW-0604	96182806 96103129
		EX	EDW-5604	96182805 96103130
RACER CIELO/MONZA	1500CC (SOHC)	IN	IDW-0702	90215492
		EX	EDW-5702	90215491
ESPRESO	2000CC SOHC	IN	IDW-0701	90220119
		EX	EDW-5701	90323757
ESPRESO	2000CC	IN		92032286
		EX		92032287

HYUNDAI

		IN	IMB-0305	22211-21010
		EX	EMB-5305	22212-21010
SONATA G4DR	DOHC	IN	IMB-0346	22211-33000
		EX	EMB-5346	22212-33010
SONATA		IN	IMB-0383	22211-37200/1
		EX	EMB-5383	22212-37200
ACCENT G4EK	130CC	IN	IMB-0371	22211-22003
		EX	EMB-5371	22212-22011
H100 STAREK	D4BB	IN	IMB-0372	22211-42200
		EX	EMB-5372	22212-42200
G4CS		IN		22211-32604
		EX		22212-32604
BA/BX		IN	IMB-0338	22211-42000
		EX	EMB-5338	22212-42000
D4AF		IN	IMB-0313	22211-41000
		EX	EMB-5313	22212-41000
	1500CC	IN		22211-24504
		EX		22212-21000
		IN	IMB-0390	22211-02500
		EX	EMB-5390	22212-02500
ELANTRA	1996~ 1.6 DOHC	IN	IMB-0396	22211-23100
		EX	EMB-5396	22212-23100
ELANTRA	1.8	IN	IMB-0397	22211-23000
		EX	EMB-5396	22212-23100
TERRACAN H1 DIESEL	2500CC	IN	IMB-0369	22211-42520
		EX	EMB-5369	22212-42520



VALVE FOR MOTOR CYCLE

MAKER	VEHICLE MODEL	IN EX	DOKURO No.	PART NUMBER No.	
HONDA	CS90 ATC90/110	IN		14711-028-000	
		EX		14721-028-000 14721-028-600 14721-028-602 14721-028-790	
		C50·C70·C700 SS50·CS50 CD70C·ST70 GB0	IN		14711-036-000 14711-051-000
			EX		14721-036-000 14721-036-000 14721-051-711
	C70·CD70(OLD) CD65·CT70 ATC70	IN		14711-087-000 14711-035-000 14711-087-010 14711-089-000	
		EX		14721-087-000 14721-035-000 14721-089-000	
	C70·CD70(New) C70Z2·ATC70	IN		14711-087-710	
		EX		14721-087-710	
	CB100·CB125S GL100	IN		14711-107-020 14711-107-010	
		EX		14711-107-020 14721-107-010 14721-324-000 14721-324-005 14721-324-010	
	GL100·CB500	EX		14721-323-005 14721-323-010	
	CD125·CB125	IN		14711-230-000 14711-230-010	
		EX		14711-230-000 14721-230-010 14721-303-000 14721-304-000	
	CD175·CB175 S110 CD175·CB175	IN		14711-235-010 14711-235-000 14711-350-000	
		EX		14721-235-010 14721-235-000 14721-302-000 14721-302-010	



VALVE FOR MOTOR CYCLE

MAKER	VEHICLE MODEL	IN EX	DOKURO No.	PART NUMBER No.
HONDA	CG110·CG125	IN		14711-383-000
		EX		14721-383-000
	XR75 CD185·CD195 CD200·XR100 CB125T·CM200 XE75·XL100	IN		14711-116-000
		IN		14711-399-000 14711-418-000
		IN		14711-152-000
		EX		14721-116-000 14721-176-000 14721-418-000
	CB50J	IN		14711-115-000
		EX		14721-115-000
	C50C	IN		14711-GB2-000
		EX		14721-GB2-000 14721-GB4-305
	C50C	IN		14711-GB4-681 14711-GR0-010
		EX		14721-GE0-003 14721-GR0-000
		EX		14721-GB5-761
	C70C·C90 CH80·ELITE	IN		14711-GB5-710
		IN		14711-GB5-761
		EX		14721-GB5-761 14721-GB6-710
	C900·FAME	IN		14711-GB6-910
		EX		14721-GB6-910
	GL125·XL125 ATC125·XR200 XL125S·XL185 XL200·ATC200	IN		14711-437-000 14711-437-003
		IN		14711-440-000 14711-440-003
		EX		14721-437-000 14721-437-003
	GL145	IN		14711-KG2-000
		EX		14721-KG2-000
	CB250·CB350	IN		14711-286-030
		EX		14721-286-020



VALVE FOR MOTOR CYCLE

MAKER	VEHICLE MODEL	IN EX	DOKURO No.	PART NUMBER No.
HONDA	CB450	IN		14711-292-000
		EX		14721-292-000
	CB750	IN		14711-300-005
		EX		14721-300-005
	SL250S	IN		14711-329-000
		EX		14721-329-000
	CB400F	IN		14711-377-000
		EX		14721-377-000
	GL1000/1100 (ACTY)	IN		14711-371-000 14711-MB9-790
		EX		14721-371-000
	GB400T/N	IN		14711-413-000
		EX		14721-413-000
	CB250T/N	IN		14711-414-000
		EX		14721-414-000
	GL500-CX500	IN		14711-415-000
		EX		14721-415-000
	CB750F/C CBX750KZ	IN		14711-422-000
		IN		14711-MA2-000 14711-425-003
		EX		14721-422-000 14721-425-003
	CB650/C	IN		14711-426-000
		EX		14721-426-000
	XL250-XR250	IN		14711-428-000 14711-471-000
		EX		14721-428-000 14721-471-000
	XL500S-XR500	IN		14711-429-000
EX			14721-429-000	
ATC110/125	IN		14711-459-000 14711-968-000	
	EX		14721-459-000	
CB900F CB1100C/F/RC	IN		14711-438-000	
	EX		14721-438-000	



VALVE FOR MOTOR CYCLE

MAKER	VEHICLE MODEL	IN EX	DOKURO No.	PART NUMBER No.
HONDA	PC50/K1	IN		14711-081-010
		EX		14721-081-010
	CBX400F	IN		14711-MA6-000
		EX		14721-MA6-000
	ATC250/SX/ES	IN		14711-HA0-003
		IN		14711-HC4-003
		EX		14721-HA0-003
	ATC350/X	IN		14711-HA5-013
		EX		14721-HA5-003
	TRX200SX	IN		14711-HB3-000
		EX		14721-HB3-003
	C50E (Stem 5.0 ϕ)	IN		14711-GK4-601
		EX		14721-GK4-600
	C90 CUSTOM EX5 DREAM CD100 ASTREA	IN		14711-GN5-911 14711-GN5-912
		EX		14721-GF6-000 14721-GF6-010
	100~110cc	IN		14711-KGH-900
		EX		14721-KGH-900
	XR200RE-RF	IN		14711-KK0-010
		EX		14721-KK0-000
	XL/XR250RF-RH	IN		14711-KK1-000
		EX		14721-KK1-000
		EX		14721-KR6-000
	XR350RD-RE XLX350R	IN		14711-KF0-000
		IN		14711-KL3-070
EX			14721-KF0-000	
XR500RE/600RE-RF	IN		14711-MG3-000	
	EX		14721-MG3-000	
	IN		14711-MB2-000	
	EX		14721-MB2-000	
CH125C CH150	IN		14711-KJ9-000	
	EX		14721-KN7-670 14721-KN7-900	



VALVE FOR MOTOR CYCLE

MAKER	VEHICLE MODEL	IN EX	DOKURO No.	PART NUMBER No.
HONDA	NX150	IN		14711-KW1-900
		EX		14721-KW1-900
	CBX125F	IN		14711-KK6-000
		EX		14721-KK6-000
	CG125M	IN		14711-KCS-650
		EX		14721-KCS-650
	XLX250R	IN		14711-KG0-000
		EX		14721-KG0-000
	CG125	IN		14711-KGA-B00
		EX		14721-KGA-B00
	CG125	IN		14711-KYO-890
		EX		14721-KYO-890
		IN		14711-KYO-980
		EX		14721-KYO-980
	TRX300EX	IN		14711-HCO-000
		EX		14721-HCO-000
		IN		14711-GY6-900 14711-AB1-600
		EX		14721-GY6-900 14721-AB1-600
	CB250	IN		14711-KC1-920
		EX		14721-KC1-920
	CB750	IN		14711-MW3-670
		EX		14721-MW3-670
		IN		14711-KBB-900
		EX		14721-KBB-900
	XR250·XR600	IN		14711-KCZ-000
		EX		14721-KCZ-000
	GL125	IN		14711-KC6-950
		EX		14721-KC6-950
TRX125 '87	IN		14711-HB6-000	
	EX		14721-HB6-000	
ELITE 250	IN		14711-KAB-000	
	EX		14721-KAB-000	



VALVE FOR MOTOR CYCLE

MAKER	VEHICLE MODEL	IN EX	DOKURO No.	PART NUMBER No.	
HONDA		IN		14711-KS4-000	
		EX		14721-KS4-000	
	TRX400	IN		14711-HM7-000	
		EX		14721-HM7-000	
	TRX250	IN		14711-HM8-000	
		EX		14721-HM8-000	
	XR400	IN		14711-KCY-670	
		EX		14721-KCY-670	
	CBX750	IN		14711-MJ0-000	
		EX		14721-MJ1-950	
	KAWASAKI	Z-1·Z-1A/B KZ900	IN		12004-012
			EX		12005-005
KZ750B/K1		IN		12004-014	
		EX		12005-007	
KZ650/B1-H1		IN		12004-016 12004-1011	
		EX		12005-008	
KZ1000/A1-E1		IN		12004-017 12004-1010	
		EX		12005-009 12005-1009	
KL250·KLX250 KLT200/250		IN		12004-1006	
		EX		12005-1005	
KZ750/E1-H3		IN		12004-1007	
		EX		12005-1006	
KZ1100/A1-L1 KZ1000/J1-R1		IN		12004-1013	
		EX		12005-1011	
AN80(JOY)		IN		12004-1014 12004-1060	
		EX		12005-1012 12005-1056	
KZ550/A1-M1 ZX550		IN		12004-1016	
		EX		12005-1013	



VALVE FOR MOTOR CYCLE

MAKER	VEHICLE MODEL	IN EX	DOKURO No.	PART NUMBER No.	
KAWASAKI	AX-1·AN-90 BR100	IN		12004-1055	
		IN		31-1010-16	
		EX		12005-1055	
		EX		31-1010-17	
			IN		12004-1074
			EX		12005-1091
	KLR250		IN		12004-1077 12004-1119
			EX		12005-1052
	KLF220		IN		12004-1082
			EX		12005-1093
			IN		12004-1128
			EX		12005-1237
	KLF110		IN		12004-1051
			EX		12005-1051
			IN		12004-1087
			EX		12005-1085
SUZUKI	FB50	IN		12911-09401	
		EX		12912-09401	
	FB80		IN		12911-02A00
			EX		12912-02A00
	LTF160 LTF250		IN		12911-02C00
			IN		12911-19B00
			EX		12912-02C00
	FB100		IN		12911-30A12 12911-30A11
			EX		12912-30A11
	GS125		IN		12911-04800
			EX		12912-02440
	DR350		IN		12911-14D01
			EX		12912-14D01
	DR250		IN		12911-15D01
			EX		12912-15D01



VALVE FOR MOTOR CYCLE

MAKER	VEHICLE MODEL	IN EX	DOKURO No.	PART NUMBER No.
SUZUKI	GS125·DR125	IN		12911-05211
		EX		12912-05210 12912-05212
	LT230SF/SG	IN		12911-18A00
		EX		12912-18A00
	DR250	IN		12911-38200
		EX		12912-38200
	FD110 VIVA	IN		12911-30D00
		EX		12912-30D00
	GS400/850	IN		12911-45011 12911-45030
		EX		12912-45011 12912-45021
	GS500/550	IN		12911-47011
		EX		12912-47011
	GS1000C/T	IN		12911-49220
		EX		12912-49220
	BEST	IN		12911-23F00
		EX		12912-23F00
YAMAHA	T50	IN		22F-12111-01
		EX		22F-12121-01
	T80	IN		22K-12111-01
		EX		22K-12121-01
	XC125	IN		50M-12111-00
		EX		50M-12121-01
	XS360C/D	IN		1L9-12111-03
		EX		1L9-12121-02
	XS750D/850G XS1100E/F	IN		117-12111-01
		EX		117-12121-01
	XT500/TT500 XT500F	IN		583-12111-00
		IN		2J2-12111-00
EX			583-12121-00	



VALVE FOR MOTOR CYCLE

MAKER	VEHICLE MODEL	IN EX	DOKURO No.	PART NUMBER No.
YAMAHA	XT250/TT250 SR250	IN		3Y1-12111-00
		EX		3Y1-12121-00
	XT500J/K	IN		5Y1-12111-00
		EX		5Y1-12121-00
	XT/BW200 TT225S/T	IN		5HO-12121-00
		EX		5HO-12111-00
	XJ650/XJ750J	IN		4H7-12111-00
		EX		4H7-12121-00
		IN		713-12111-01
		EX		713-12121-01
	SR125	IN		5NO-12111-00
		EX		5NO-12121-00
	FZR250	IN		1HX-12111-00
		EX		1HX-12121-00
	FZ400	IN		46X-12111-00
		EX		46X-12121-00
	XT250T	IN		30X-12111-01 51Y-12111-00
		EX		30X-12121-00
	FJ1200	IN		36Y-12111-00
		EX		36Y-12121-00
	FZR250	IN		3LN-12111-01
		EX		3LN-12121-00
	CRYPTON	IN		4GL-12111-00
		EX		4ST-12121-00
YBR125	IN		5AP-12111-01	
	EX		5HP-12121-00	



ENGINE VALVE FOR INDUSTRIAL EQUIPMENT

MAKER	VEHICLE MODEL	IN EX	DOKURO No.	REFERENCE No.
CATAPILLAR	3304T	IN	ICP-0751	7N0572
		EX	ECP-5751	7N0573
	3304NT 6DC/D4D	IN	ICP-0572	5S6452
		EX	ECP-5752	5S7273 5S6449
	3204NA	IN	ICP-0753	8N5645
		EX	ECP-5753	8N0875
	3204T	IN	ICP-0754	9L7682
		EX	ECP-5754	9L7683
	3304T	IN	ICP-0755	6N9915
		EX	ECP-5755	6L9916
	NAT	IN	ICP-0756	9N0180
		EX	ECP-5756	9N0185
	6DC D4D	IN	ICP-0757	7M7817
		EX	ECP-5757	9M4163 7M7359
	D9	IN	ICP-0758	
		EX	ECP-5758	8H7097 8H3723
	D7 D8	IN	ICP-0759	2A3447 2A3497
		EX	ECP-5759	6F4922
	D7H D8H	IN	ICP-0760	8H1993
		EX	ECP-5760	8H1994
	D343	IN	ICP-0761	2M6402
		EX	ECP-5761	2M6403
	D3406	IN	ICP-0762	4N5654 2W2622 1W3859
		EX	ECP-5762	4N5653 1W3860
		IN	ICP-0763	1P407
		EX	ECP-5763	1P2629 2S0978 8N3725
		IN	ICP-0764	2S8143
		EX	ECP-5764	1S2903
		IN	ICP-0765	9N6117 2W2621
		IN	ICP-0766	7S8809
	EX	ECP-5767	9N5125	



ENGINE VALVE FOR INDUSTRIAL EQUIPMENT

MAKER	VEHICLE MODEL	DOKURO No.	PART No.	DIA	FAN	LENGTH	SEAT	GROOVE	DOKURO SPEC
KOMATSU	4D94	IKM-0716	6140-41-4111	9	40	134	45	2R	A
		EKM-5716	6140-42-4210	9	35	134	45	2R	BSS
	4D95/6D95/S6D95	IKM-0713	6207-41-4110	8	44	128	45	1S	AN
		EKM-5713	6204-43-4210	8	38	128	45	1S	BN
	6D105	IKM-0712	6136-42-4110	9	47	148.5	60	1R	A
		EKM-5712	6136-42-4210	9	41	148.5	45	1R	BS
	6D105	IKM-0703	6136-41-4110	10	46	145.5	60	1R	A
		EKM-5703	6136-41-4210	10	40	145.5	45	1R	BSN
	S6D105	IKM-0712	6138-42-4110	9	47	148.5	60	1R	A
		EKM-5703	6138-42-4210	9	41	148.5	45	1R	BS
	SAD110	IKM-0714	6221-41-4110	9	50	148.5	60	1R	AN
		EKM-5714	6221-41-4210	9	44	148.5	45	1R	BSN
	4D120	IKM-0707	6110-43-4110	11	53	172	45	1R	A
		EKM-5707	6110-43-4210	11	49	173	45	1R	BS
	6D125	IKM-0715	6150-41-4111	9	45	169.5	60	1R	AN
		EKM-5715	6150-41-4210	9	44	169.5	45	1R	BSN
	6D130	IKM-0706	6610-41-4110	10	44	179.5	60	2R	AN
		EKM-5706	6210-41-4210	10	44	179.5	60	2R	BS
	SAD95L	IKM-0718	6209-41-4110	8	44	128	60	1R	AN
		EKM-5718	6209-41-4210	8	38	128	45	1R	BSN
	6D140	IKM-0720	6215-41-4110	10	52	169.2	60	1R	A
		EKM-5720	6215-41-4212	10	50	169.2	45	1R	BS
	S6D155	IKM-0701	6127-41-4113	11	56	212.5	60	1R	A
		EKM-5701	6127-41-4214	11	53	213	45	1R	BS
	SD170	IKM0717	6162-43-4110	12	57	196.5	60	1R	A
		EKM-5717	6164-41-4211	12	56	196.5	45	1R	BSN
	D130	IKM-0702	6114-41-4110	11	53	172	60	1R	A
		EKM-5702	6114-41-4210	11	49	173	45	1R	BS
	D105	IKM-0705	6130-41-4131	10	46	150	60	2R	A
		EKM-5705	6130-41-4210	10	40	150	45	2R	BS
	A855	IKM-0704	6712-41-4110	11.5	49	180	60	2R	A
		EKM-5704	6712-41-4210	11.5	47	180	60	2R	BS
S6D125	IKM-0719	6150-42-4110	9	45	169.5	60	1R	AN	
	EKM-5719	6150-42-4210	9	44	169.5	45		BSN	



ENGINE VALVE FOR INDUSTRIAL EQUIPMENT

MAKER	VEHICLE MODEL	IN EX	DOKURO No.	REFERENCE No.	
HONDA	GENERATOR G200	IN	IHO-2151	14711-883-000	
		EX	EHO-6151	14721-883-000	
	GENERATOR G300	IN	IHO-2152	14711-889-000	
		EX	EHO-6152	14721-889-000	
	GENERATOR G400	IN	IHO-	14711-890-000	
		EX	EHO-	14721-890-000	
	GENERATOR CX340	IN	IHO-2153	14711-ZE3-000	
		EX	EHO-8153	14721-ZE6-800	
KUBOTA		IN	IKB-4001	14441-13110	
		EX	EKB-9001	14431-13120	
		IN	IKB-4002	E-1-1B	
		EX	EKB-9002	E-1-1B	
		IN	IKB-4003	14311-1311-1	
		EX	EKB-9003	14331-1312-2	
	TS60	IN	IKB-	104200-11100	
		EX	EKB-	104200-11110	
	TS70	IN	IKB-	101218-11100	
		EX	EKB-	101218-11110	
	TS105	IN	IKB-	103438-11100	
		EX	EKB-	103438-11110	
	GS200	IN	IKB-	13951-13110	
		EX	EKB-	13952-13120	
	GS300	IN	IKB-	13961-13110	
		EX	EKB-	13961-13910	
	ROBIN		IN	IRB-0501	282-33401-03
			EX	ESB-5501	282-33501-03



VALVE GUIDE

DAIHATSU

	ENGINE TYPE	PARTS NO.	IN/EX	SET	REMARKS
	AB	11123-87701	IN/EX	4	
	AB	11124-87701	IN/EX	4	
	CB	11124-87701	IN/EX	6	
	DG	11122-56030	IN/EX	8	11122-87301

HINO

	ENGINE TYPE	PARTS NO.	IN/EX	SET	REMARKS
	DK10	11121-1140	IN	6	
	DK20	11125-1130	EX	6	
	DK10 DK20 (Seal Type)	11121-1070	IN	6	
		11125-1150	EX	6	
	DM100	11121-1160	IN	6	
		11125-1150	EX	6	
	DS50,60,80 (Seal Type)	11121-1060	IN	6	
		11125-1090	EX	6	
	DS50 DS60	11125-1120A	IN/EX	12	
	DS70,90 (Seal Type)	11125-1200	IN/EX	12	
	EB300(old)	11121-1120	IN	6	
		11125-1180	EX	6	
	EB300	11122-1030A	IN	6	
		11126-1030A	EX	6	88.5mm
	EN300(new)	11125-1160	IN/EX	12	92.5mm
	EC100	11122-1050	IN	6	
		11126-1060	EX	6	
	ED100	11122-1100	IN	6	
		11126-1080	EX	6	



VALVE GUIDE

	ENGINE TYPE	PARTS NO.	IN/EX	SET	REMARKS
	EF100(old)	11122-1020	IN	8	
	EF300(old) EG100	11126-1020	EX	8	
	EF300(new)	11122-1040	IN/EX	16	
	EG100(new)				
	EF550	11122-1011	IN	8	
	EF750	11122-1040	EX	8	
	EH100	11122-1090	IN	6	
		11126-1050	EX	6	
	EH300	11122-1070	IN	6	
		11126-1041	EX	6	
	EH500	11122-1060A	IN/EX	12	
	EH700				
	EH700(new)	11122-1180	IN/EX	12	
	H07C H07D				
	EK100(old)	11122-1010	IN	6	
		11126-1010	EX	6	90.0mm
	EK100(new)	11122-1011	IN	6	8.3.5mm 11122-1150
		11122-1040	EX	6	87.0mm
	EL100	11122-1080A	IN	6	
		11126-1070A	EX	6	
	EM100	11122-1120	IN/EX	12	
	EP100	11122-1130	IN/EX	12	
	EP200	11122-1110	IN/EX	12	
	W04D	11122-1140	IN/EX	8	
	EH300	11126-1041	IN/EX	12	

HONDA

	ENGINE TYPE	PARTS NO.	IN/EX	SET	REMARKS
	EB Civic 1200(75-77)	12208-634-000	IN	4	
	Accord 1200(76-77)	12209-634-000	EX	4	



VALVE GUIDE

	ENGINE TYPE	PARTS NO.	IN/EX	SET	REMARKS
	EB Civic 1200(78-79) ED Civic 1500 EF Accord 1600(76-79)	12204-634-920	IN	4	12204-PA6-300 12204-PA6-305 12204-PC6-305
	EM Civic 1500(79-82) EN EJ Civic 1300 EW Civic 1500(83-) EV Civic 1300(84-86)	122205-65-315	EX	4	12205-657-310 Length 65mm 12205-PB9-305 12205-PE0-305 12205-PE0-315 12205-PC6-305
	EK Accord 1800(82-83) Accord(79-81) Prelude(79-82)	12204-689-305 12205-689-305	IN EX	4 4	12204-689-300 12205-689-300
	EK Prelude 1800(83-)	12204-PC6-305 12205-689-305	IN EX	4 4	
	ES Accord 1800(83-)	12204-PC6-305 12205-657-305	IN EX	4 4	 Length 63mm
		12204-PJ7-305 12205-PJ7-305	IN EX	4 4	

ISUZU

	ENGINE TYPE	PARTS NO.	IN/EX	SET	REMARKS
	G150,160 G201	9-11721-109-0	IN/EX	8	
	G161 G180	9-11721-156-0	IN/EX	8	
	G180	9-11721-201-0 9-11721-203-0	IN EX	4 4	
	G161Z G180Z G200Z	8-94206-762-0 8-94206-763-0	IN EX	4 4	
	4BA1 ABB1 AB1 C330 4BC2 4BE1	5-11721-001-0	IN/EX	8	



VALVE GUIDE

	ENGINE TYPE	PARTS NO.	IN/EX	SET	REMARKS
	C221 C240 C190	911721-113-0	IN/EX	8	
	C240	9-11721-113-0	IN	4	
		9-11721-123-0	EX	4	
	C240(new),C190(new) 4JA1 4JB1 4JG2	5-11721-016-0	IN/EX	8	
	C240(new)	5-11721-006-0	IN/EX	8	
	D500(old)	9-11721-804-0	IN/EX	12	
	D550(new) 6BB,6BD,6BF,6BG	5-11721-001-0	IN/EX	12	
	DA120 DA640	9-11721-160-0	IN/EX	12	
	DH100(new)	9-11721-120-0	IN/EX	12	
	E120	9-11721-212-0	IN/EX	12	
	4FA1 4FB1 4FC1	5-11721-015-0	IN/EX	8	
	6RA1 6RB1	1-11721-001-0	IN/EX	12	
	8MA1	1-11721-001-0	IN/EX	16	
	6QA1 E110	9-11721-165-0	IN/EX	12	
	10PA1 10PB1 10PCI	1-11721-004-0	IN/EX	20	
	6FA1 6SA1	1-11721-008-0	IN/EX	12	
	4HF1	8-94396-598-0	IN/EX	8	
	6HE1	8-94396-598-0	IN/EX	12	

MAZDA

	ENGINE TYPE	PARTS NO.	IN/EX	SET	REMARKS
	B6	B6Z0-10-280	IN/EX	4	
		B6Z0-10-290	EX	4	



VALVE GUIDE

	ENGINE TYPE	PARTS NO.	IN/EX	SET	REMARKS
	E3 E5	8173-23-090	IN/EX	8	
	F6 F8	F801-23-090	IN/EX	8	
	NA MA PA TC	0305-23-090	IN/EX	8	
	PB TB	0249-10-130	IN	4	
		0249-10-140	EX	4	0259-23-081
	RF	RF01-10-280	IN	4	
		RF01-10-290	EX	4	
	VA T2000	0552-10-105	IN/EX	8	
	XA(old) XB SI HA(old)	0636-10-104B	IN/EX	8	
	XA(new) HA(new) SL	SE01-10-104	IN/EX	8	
	XC T3700	1304-23-081	IN	4	
		1304-23-091	EX	4	
	ZA ZB T4100	0636-10-104B	IN/EX	12	
	ZC T5500	1304-23-081	IN	6	
		1304-23-091	EX	6	
	TF	TF01-10-281A	IN/EX	8	

mitsubishi

	ENGINE TYPE	PARTS NO.	IN/EX	SET	REMARKS
	2G23	MD079660	IN	2	
		MD079661	EX	2	
	G11B, 12B, 13B, 15B G23B	MD016441	IN	4	MD343941
		MD016445	EX	4	
	4G30, 31, 32, 33, 35, 36 G32, 33B	MD000461	IN	4	
		MD000471	EX	4	



VALVE GUIDE

	ENGINE TYPE	PARTS NO.	IN/EX	SET	REMARKS
	4G41,42	MD010461	IN	4	
		MD010466	EX	4	
	4G51,52,54	MD020551	IN	4	
		MD020561	EX	4	
	4D30	ME031293	IN/EX	8	
	4D30(new) 4D31/34	ME031886	IN	4	
		ME031888	EX	4	
	4D55	MD050523	IN	4	
		MD050527	EX	4	
	4DR5 4DQ5	30601-25600	IN/EX	8	30601-10600
	4DQ5	31301-10600	IN	4	
		31301-10601	EX	4	Straight Type
	6D10,11 6D14	ME031886	IN	6	
		ME031888	EX	6	
	6D20 6D22	ME051120	IN/EX	12	31101-10603
	6DB1	ME051122	IN/EX	12	30001-10603
	6DS(short)	ME031293	IN/EX	12	
	6DS(long)	ME020158	IN/EX	12	
	6DC2	ME051120	IN	6	31101-00601
		ME051122	EX	6	30001-10603
	8DC2/9	ME051120	IN	8	31101-00601
		ME051122	EX	8	30001-10603
	S4S	32A01-01600	IN/EX	8	
	S6A(old) S6B(old)	32501-00700	IN/EX	12	
	S6A(new) S6B(new)	32501-10700	IN/EX	12	
		MD300702	IN		
		MD172530	EX		
	4M40	ME200007	IN	4	
		ME200009	EX	4	



VALVE GUIDE

	ENGINE TYPE	PARTS NO.	IN/EX	SET	REMARKS
	4G61	MD126605	IN	4	
		MD126608	EX	4	
	6A10	MD337622	IN		(MD187205)
		MD337625	EX		(MD179910)
	4D65	MD076354	IN	4	
		MD076358	EX	4	
	S6K	34601-10600	IN	6	
		34201-01600	EX	6	

NISSAN

	ENGINE TYPE	PARTS NO.	IN/EX	SET	REMARKS
	A10	13212-H0110/2	IN	4	
	A12	13213-H0110/2	EX	4	
	A14	13212-H2310/1	IN	4	
	A15	13213-H2310/1	EX	4	
	CA16,18,20 CD17	13212-D0110/2	IN	4	
	E13 (old)	13213-D0110/2	EX	4	
	E13 (new)	13212-D0112	IN	4	
		13213-V5514	EX	4	
	E15	13212-01M11	IN	4	With Groove 13212-01M01
		13213-01M11	EX	4	With Groove 13213-01M01
		13212-15M11			13212-15M01
	J13	13211-30001	IN	4	
	J15	13213-30002	EX	4	
	J16	13211-01W10	IN	4	
		13213-01W10	EX	4	
	L18	13212-21011	IN	4	
	L20B	13213-21011	EX	4	
	L24 L26	13212-21011	IN	6	
	L28	13213-21011	EX	6	



VALVE GUIDE

	ENGINE TYPE	PARTS NO.	IN/EX	SET	REMARKS
	P40	13212-58001	IN	6	
		13213-58001	EX	6	
	VG30	13212-V5010/1	IN	6	
		13213-V5010/1	EX	6	
	Z16 Z18 Z20 Pulsar SE(80-81)	13212-W0510	IN	4	13212-W0410/-W0500
		13213-W0510	EX	4	13213-W0410/-W0500
	240SX('89)	13212-40F60	IN	4	13212-40F00
		13213-40F60	EX	4	13213-40F00
	ED30	13212-J2000	IN/EX	8	
	ED33	13211-J6500	IN/EX	8	
	ED33(new)	13211-Z5001	IN/EX	8	
	ED6 FD6	13211-Z5001	IN/EX	12	
	FD35	13211-Z5501	IN/EX	12	
	FE6	13211-Z5500	IN/EX	12	
	ND6	13211-95000	IN/EX	12	
	ND6	13211-95001	IN/EX	12	
	PD6 PE6	13212-96001	IN	6	
		13211-97001	EX	6	
	PD6T PE6T	13212-96002	IN	6	With Screw
		13211-97001	EX	6	
	PD6	13212-96009	IN	6	1mm shorter than 13212-96002
		13211-96007	EX	6	
	RD& old)	13212-97000	IN	8	Length 72mm
		13211-97001	EX	8	13211-97002
	RD8 RE8	13212-97001	IN	8	Length 79mm
		13211-97001	EX	8	
	RD& new)	13211-96006	IN/EX	16	
	RF8	13212-95005	IN	8	
		13211-96009	EX	8	
	SD23 SD25	13211-V1700	IN/EX	8	



VALVE GUIDE

	ENGINE TYPE	PARTS NO.	IN/EX	SET	REMARKS
	TD23 TD25 TD27	13212-43G01	IN/EX	8	
	UD&(low cam)	13211-90000	EX	12	2pcs/cyl
	UD&(high cam)	13211-90005	EX	16	4pcs/cyl
	PE6T	13212-96011	IN	6	
		13211-96007	EX	6	
	MD6,NE6	13212-97000	IN		
			EX	12	

SUBARU

	ENGINE TYPE	PARTS NO.	IN/EX	SET	REMARKS
	EK22,23	38090-2100	IN	2	
		38091-2100	EX	2	
	EA63,64,65 EA71,81	38090-4110	IN/EX	8	38090-8660/-8600
	EF10	38090-2100	IN	3	
		38091-2100	EX	3	

SUZUKI

	ENGINE TYPE	PARTS NO.	IN/EX	SET	REMARKS
	F5A	11115-73030	IN	3	
		11116-73030	EX	3	
	F8A	11115-73030	IN	4	
		11116-73030	EX	4	
	F10A	11115-82000	IN/EX	8	
	G10	11115-82000	IN/EX	6	



VALVE GUIDE

TOYOTA

	ENGINE TYPE	PARTS NO.	IN/EX	SET	REMARKS
	3A-LU 4A-ELU (84/5-86/2)	11122-15020	IN	4	
		11126-15020	EX	4	
	3A-LU 4A-ELU (86/2-88/4)	11122-15011	IN	4	
		11126-15011	EX	4	
	4A-F 4A-FE 5A 4E-FE	11122-15030	IN/EX	16	
	4A-GEU	11122-16020	IN/EX	16	
	B 2B 3B(old)	11122-56021	IN/EX	8	
	3B(new)	11122-56030	IN/EX	8	
	1C	11126-24020	IN/EX	8	
	2C	11122-64010	IN	4	
		11126-64010	EX	4	
	D 2D	11122-76020	IN/EX	12	
	1DZ	11126-76004	IN/EX	8	
	2E	11122-10040	IN/EX	12	
	F(old)	11122-60010	IN	6	
		11126-60010	EX	6	
	FJ	11122-60020	IN	6	
		11126-60020	EX	6	
	F	11122-60020		6	
		11126-60021	IN	6	
	2F	11122-61011	IN	6	11122-61010
		11126-61011	EX	6	11126-61010
	1G-EU	11122-15020	IN	6	
		11126-70020	EX	6	
	1G-GEU	11122-88310 (-88320)	IN/EX	24	
	H 2H		IN/		
		11122/68010	EX	12	



VALVE GUIDE

	ENGINE TYPE	PARTS NO.	IN/EX	SET	REMARKS
	J	11122-46010	IN	4	
	2J	11126-46010	EX	4	
	2J(New)		IN/	4	
		11122-76004	EX	4	
		11122-22020	IN	4	
	K	11126-22020	EX	4	
	2K 3K	11122-24020	IN	4	
	4K 5K	11126-24020	EX	4	
	L	11122-54011	IN/EX	8	
	L(New) 2L 3L	11122-54020	IN/EX	8	
	M 2M 3M	11122-41020	IN	6	
	4M 5M	11126-41040	EX	6	11126-45020
	5M-GEU	11122-43010	IN/EX	24	
		11122-31011	IN	4	
	2R(old)	11126-31011	EX	4	
	2R(new)	11122-31012	IN/EX	8	
		11122-40010	IN	4	
	3R	11126-40010	EX	4	
	5R(old)	11122-44010	IN/EX	8	
	5R(new)	11122-44011	IN/EX	8	
	12R 3P 4P	11122-23010	IN/EX	8	11122-31020
	6R 7R 8R	11122-33011	IN	4	
	16R 18R	11126-33011	EX	4	
	19R	11122-34010	IN/EX	8	
	20R 21R	11122-38021	IN/EX	8	
	22R	11122-35020	IN/EX	8	
	1RZ 2RZ	11122-75010	IN/EX	8	
	1S	11122-63020	IN	4	
	2S	11126-63020	EX	4	



VALVE GUIDE

	ENGINE TYPE	PARTS NO.	IN/EX	SET	REMARKS
	T	11122-25020	IN	4	
	2T(old)	11126-25020	EX	4	
	2T 3T	11122-25021	IN	4	
	12T 13T	11126-25021	EX	4	
	2T-GEU 3T-G 18R-G	11122-88250	IN/EX	16	
	3VZ-FE	11122-65020	IN/EX	24	
	1Y 2Y	11122-71020	IN	4	
	3Y	11126-71020	EX	4	

KOMATSU

	ENGINE TYPE	PARTS NO.	IN/EX	SET	REMARKS
	4D92	6140-19-1310	IN/EX	8	
	4D94	6142-19-1310	IN/EX	8	
	4D95	6204-19-1311/0	IN/EX	8	
	4D105	6130-19-1310	IN/EX	8	
	S4D105-5 (Eng. 100022-149999)	6136-19-1330	IN/EX	8	
	S4D105-5 (Eng. 150007-)	6136-19-1430	IN/EX	8	
	(S)4D130	6110-13-1311	IN/EX	8	
	(S)4D155	6127-11-1341	IN/EX	8	
	(S)6D95-L1	6204-19-1311/0	IN/EX	12	
	6D105	6136-19-1330	IN/EX	12	
	(S)6D125	6150-12-1341 6150-12-1351	IN EX	6 6	
	S6D170-1D	6126-16-1341	IN/EX	12	
	HN220	6610-11-1311	IN/EX	12	
	HN220	6610-11-1310	IN/EX	12	
	NT855	6710-11-1311	IN/EX	12	
	6D108	6221-19-1311	IN/EX	12	



HINO VALVE SEAT

ENGINE MODEL	CYL No.	IN EX	PARTS NUMBER	INTERCHANGEABLE
ED100	6	IN	11131 - 1080A	11131 - 1081A
		EX	11135 - 1180A	
EF100 EG100	6	IN	11131 - 1110A	11131 - 1010A
		EX	11135 - 1130A	11131 - 1031A
EF300 EF350 EF500 EF700	6	IN	11131 - 1031A	11131 - 1160A
		EX	11135 - 1031A	
EK100 EK200 EF550 EF750 EV700	6	IN	11131 - 1020A	11131 - 1180A
		EX	11135 - 1010A	11135 - 1170A
EH700	6	IN	11131 - 1140A	
		EX	11135 - 1240A	11135 - 1250
EB300 EB200 EB100 EM100	6	IN	11131 - 1010A	
		EX	11135 - 1150A	
EL100	6	IN	11131 - 1050	
		EX	11135 - 1210	
H07C H06C	6	IN	11131 - 1230	
		EX	11135 - 1420	



ISUZU VALVE SEAT

ENGINE MODEL	CYL No.	IN EX	PARTS NUMBER	INTERCHANGEABLE
4BB1/4BD1 6BB1/6BD1	4 6	IN	9 - 11715 - 607 - 0 5 - 11715 - 018 - 0	9 - 11715 - 085 - 0 5 - 11715 - 024 - 0 9 - 11715 - 054 - 0 9 - 11715 - 034 - 0
		EX	9 - 11711 - 803 - 0 5 - 11711 - 028 - 0	9 - 11711 - 100 - 0 1 - 11711 - 043 - 0 5 - 11711 - 022 - 0
4BC1	4	IN	5 - 11715 - 018 - 0	
		EX	5 - 11711 - 021 - 0	5 - 11711 - 022 - 0
4BC2	4	IN	1 - 11715 - 034 - 0	
		EX	5 - 11711 - 028 - 0	
4BA1	4	IN	5 - 11715 - 018 - 0	
		EX	5 - 11711 - 022 - 0	
C190 C240	4	IN	9 - 11715 - 054 - 0	9 - 11715 - 801 - 0
		EX	9 - 11711 - 066 - 0	9 - 11711 - 801 - 0
C190 C240	4	IN	5 - 11715 - 023 - 0	
		EX	5 - 11711 - 026 - 0	
E120	6	IN	9 - 11715 - 117 - 0	9 - 11715 - 131 - 0
		EX	9 - 11711 - 135 - 0	1 - 11711 - 025 - 0
4FB1 4FC1	4	IN	8 - 94105 - 292 - 0	8 - 94228 - 701 - 0
		EX	8 - 94105 - 293 - 0	8 - 94228 - 702 - 0
DH100	6	IN	9 - 11715 - 126 - 0	9 - 11715 - 118 - 0
		EX	9 - 11711 - 145 - 0	9 - 11711 - 148 - 0 9 - 11711 - 149 - 0
8PA1 10PA1 10PB1	8 10	IN	1 - 11715 - 032 - 0	1 - 11715 - 023 - 0 1 - 11715 - 049 - 0
		EX	1 - 11711 - 020 - 0	1 - 11711 - 024 - 0 1 - 11711 - 037 - 0



ISUZU VALVE SEAT

ENGINE MODEL	CYL No.	IN EX	PARTS NUMBER	INTERCHANGEABLE
10PA1	10	IN	1 - 11715 - 025 - 0	
		EX	1 - 11711 - 016 - 0	
6RA1 6RB1	6	IN	1 - 11715 - 035 - 0	
		EX	1 - 11711 - 025 - 0	
DA120	6	IN	1 - 11715 - 005 - 0	
		EX	1 - 11711 - 005 - 0	
DA640	6	IN	9 - 11715 - 123 - 0	
		EX	9 - 11711 - 141 - 0	
E110	6	IN	9 - 11715 - 069 - 0	9 - 11715 - 112 - 0 9 - 11715 - 125 - 0
		EX	9 - 11711 - 127 - 0	
4JB1	4	IN	8 - 94130 - 559 - 0	8 - 94331 - 522 - 0
		EX	8 - 94130 - 558 - 0	8 - 94331 - 521 - 0
6BG1	6	IN	1 - 11715 - 054 - 0	1 - 11715 - 040 - 0 1 - 11715 - 050 - 0
		EX	1 - 11711 - 043 - 0	
6RB1	6	IN	1 - 11715 - 059 - 0	1 - 11715 - 073 - 0
		EX	1 - 11711 - 044 - 0	



MITSUBISHI VALVE SEAT

ENGINE MODEL	CYL No.	IN EX	PARTS NUMBER	INTERCHANGEABLE
4D30 4D32	4	IN	ME029296	ME029106
		EX	ME029005	
6D10 6D14	6	IN	ME031932	ME031002
		EX	ME031936 ME031935	ME031004
6D15	6	IN	ME031930	ME031853
		EX	ME031934	ME031556
6D20 8DC 10DC	6 8 10	IN	30901 - 00492	30901 - 00901 30901 - 00401
		EX	31101 - 00301	31101 - 00501
8DC	8	IN	31201 - 30491	31201 - 30400
		EX	31201 - 30591	31201 - 30500
4DR5 6DR	4	IN	ME001133	31301 - 00401
		EX	ME001075	31301 - 00593
DB	4	IN	30001 - 23401	
		EX	30001 - 23501	
DS7	4	IN	30801 - 10400	
		EX	30801 - 10593	30801 - 18593
6D16	6	IN	ME071216	
		EX	ME071111	



NISSAN VALVE SEAT

ENGINE MODEL	CYL No.	IN EX	PARTS NUMBER	INTERCHANGEABLE
ED6 ED33	6	IN	13214 - Z5000	
		EX	13215 - Z5000	
PD6 PE6	6	IN	13214 - 96003	13214 - 96000 13214 - 96001 13214 - 96004
		EX	13215 - 96000	13215 - 96004
RD8 RD10	8 10	IN	13214 - 97000	13214 - 97003 13214 - 97020
		EX	13215 - 97000	13215 - 97020 13215 - 97006
ND6	6	IN	13214 - 95004	13214 - 95000
		EX	13215 - 95004	13215 - 95000
UD43	4	EX	13215 - 90002	
FE6	6	IN	13214 - Z5500	
		EX	13215 - Z5500	
PE6	6	IN	13214 - 96013	
		EX	13215 - 96013	
SD22 SD23	4	IN	13214 - Y5200	
		EX	13215 - Y5200	

High Technology and Sincere Service make DOKURO available for Every Car in the World.



Dokuro started its production of engine valves in 1940. Since then we have been making constant efforts to meet all the engine valve requirements from our customers.

Our Policy

- 1) Develop the latest manufacturing technology and search for new products.
- 2) Good cooperation among workers is a key to the sincere service.

Products

- 1) Engine Valves for passenger and commercial cars, trucks, motor cycles, marine engine and tractors.
- 2) Valve Guides.
- 3) Valve Seats etc...

History

1940—Established under the name of Japan Engine Valve Mfg.Co., LTD.

1952—Registered as an engine valve manufacturer and licenced by Government.

1972—Japan Machinery and Metals Inspection Institute acknowledged our factory as an authorised manufacturer of engine valves.

1984—Producing 30,000,000 pcs. of engine valves per year.

Exporting them every continent of the world.

1991—Completed full automatic production line.

Quality Control

Our factory is well equipped with effective quality control system which will ensure the highest standards.

President's Message

I believe that our 65 years of production has required us not only technology, but also the high level of responsibility felt by all who work for the company.

“Let's produce excellent quality of engine valves.

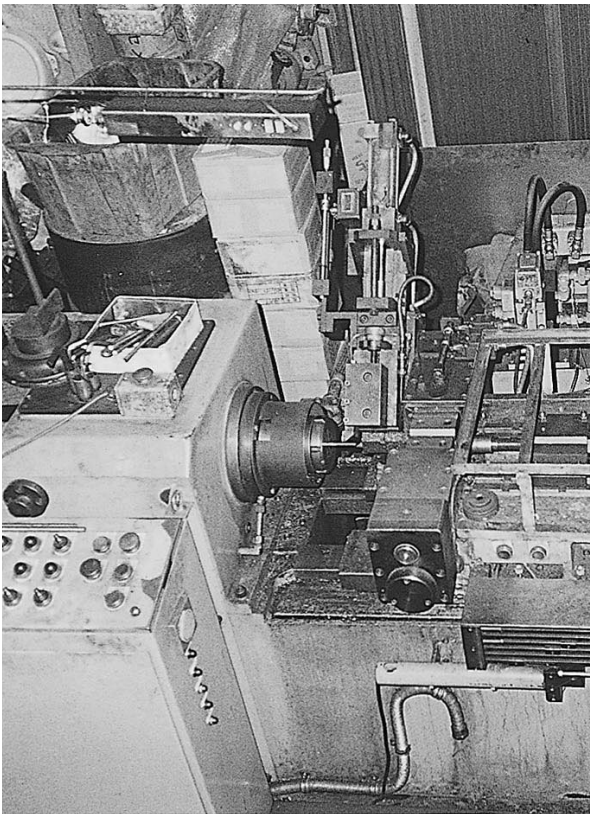
It will surely bring us sufficient and happy life as the contribution to our society.”

Keeping this motto in our mind, we will work for better quality and serve you.

Japan Engine Valve Mfg. Co.,LTD.

K. Takahashi Chairman.

LA ALTA TECNOLOGIA Y EL SERVICIO EFICIENTE HACEN QUE DOKURO ESTE DISPONIBLE PARA TODO TIPO DE VEHICULOS EN EL MUNDO.



Dokuro comenzo su produccion de valvulas de motor en 1940. Desde entonces, hemos estado haciendo esfuerzos constantes para responder a todos los requerimientos de valvulas de nuestros clientes.

Nuestra Politica

- 1) Desarrollar la ultima tecnologia y buscar nuevos productos.
- 2) Buena relacion entre los trabajadores es una llave para el servicio eficiente.

Productos

- 1) Valvulas de motor para vehiculos de pasajeros y vehiculos comerciales.
- 2) Guias de valvulas.
- 3) Asientos de valvulas etc...

Historia

- 1940—Establecido bajo el nombre de Japan Engine Valve Mfg.Co.,LTD.
1952—Registrado como fabrica de valvulas de motor y licenciado por el gobierno.
1972—El instituto de inspeccion maquinaria y metal japones reconocio nuestra fabrica como fabricante autorizado de valvulas de motor.
1984—Produciendo 30,000,000 de valvulas de motor al año.
Exportando las mismas a todos los continentes del mundo.
1991—Completado sistema de la linea de produccion toda automatica.

Control de Calidad

Nuestra fabrica cuenta con un afectivo sistema de control de calidad que le ganantiza el mas alto nivel.

Mensaja del Presidente

Creo que nuestra produccion de 65 años nos ha demandado no solo tecnologia, sino tambien responsabilidad de alto nivel, sentido por todos quienes trabajan para la compañía.

“Hacemos las valvulas de motor de calidad excelente.

Eso seguramente nos llevara a tener una vida suficiente y feliz como contribucion a nuestra sociedad.”

Manteniendo esta meta en nuestra mente, nosotros trabajaremos para obtener mejor calidad y les serviremos a Uds.

Japan Engine Valve Mfg. Co.,LTD.

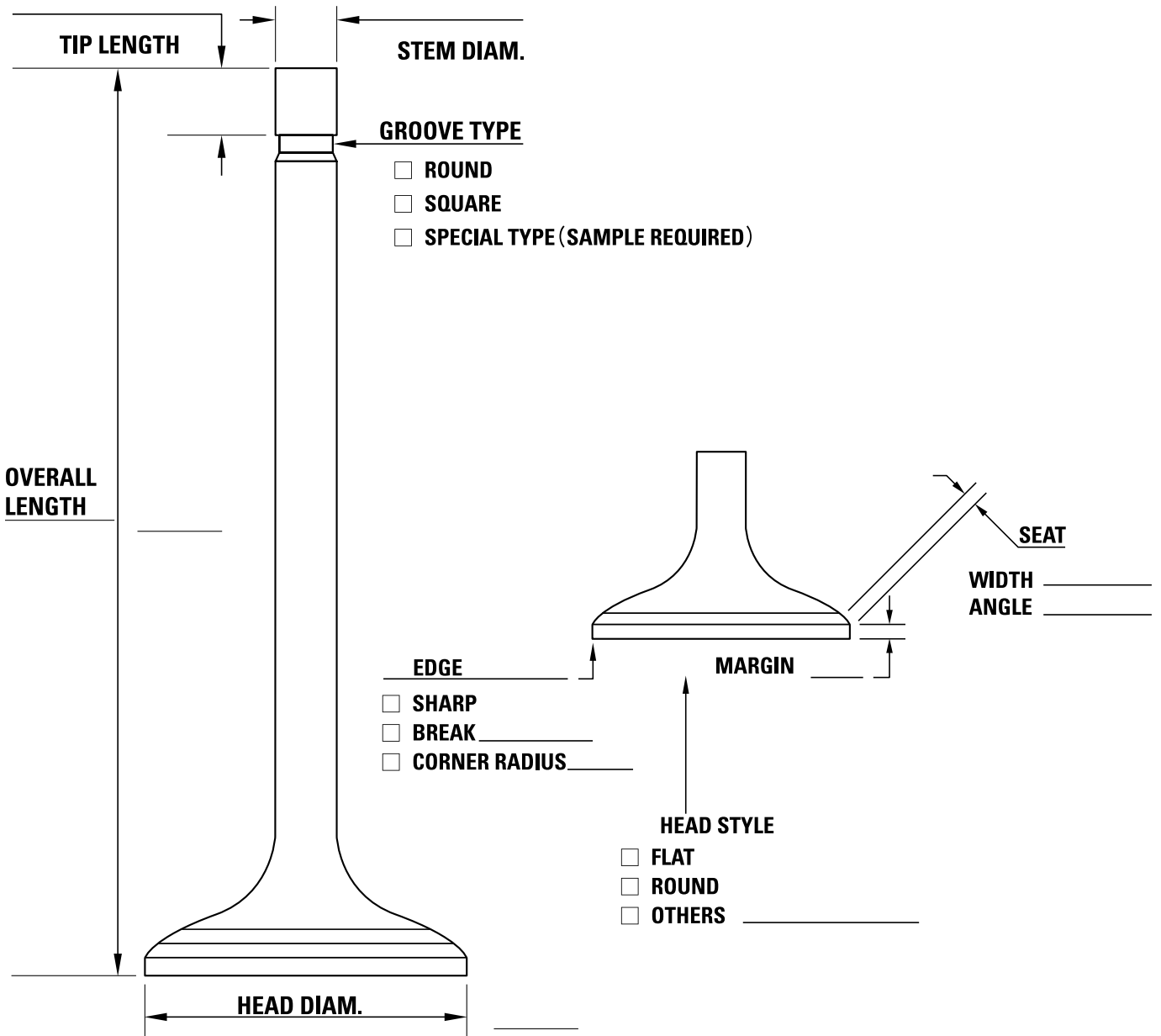
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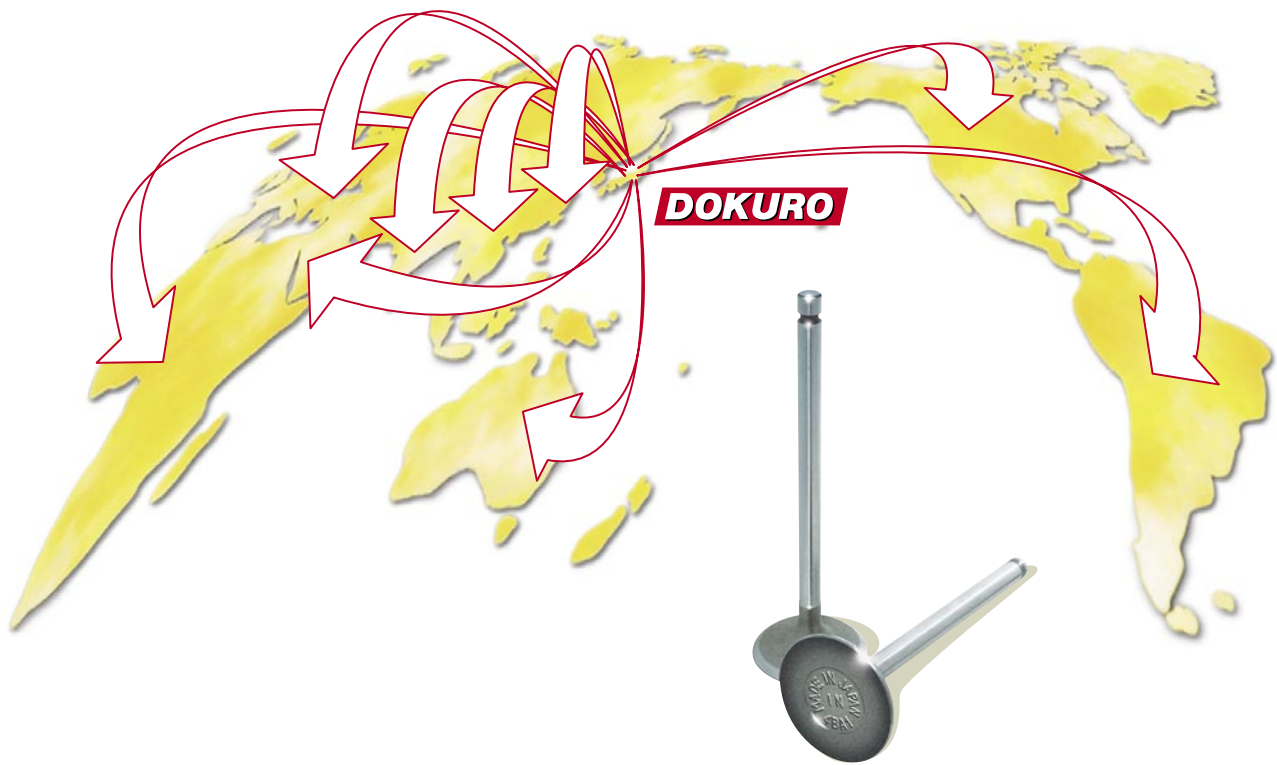
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