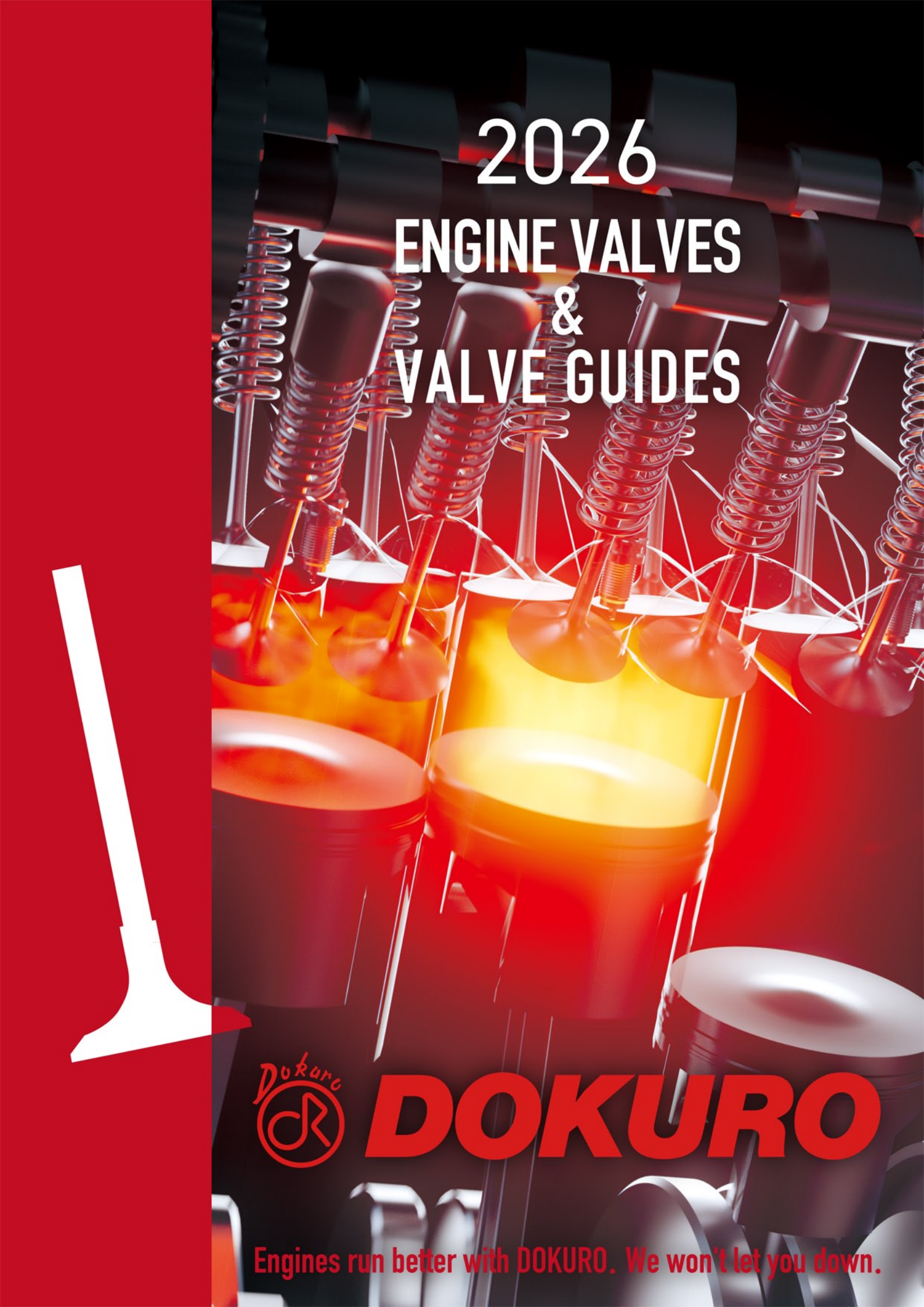




2026 ENGINE VALVES & VALVE GUIDES



DOKURO

Engines run better with DOKURO. We won't let you down.

"DOKURO" is the very well known brand appreciated all over the world, having 76-years experience in the production of Engine Valve for exclusively aftermarket.

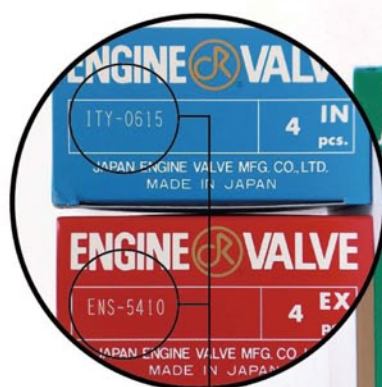
"DOKURO" has produced Engine Valves since 1944. Due to the quality of its quick and efficient service, we have succeeded at building up the wide network customers throughout the world.

We have an honour to present you our 2026 issue of DOKURO catalogue. The catalogue contains a list of engine valves in current production and sale. We would appreciate your advice of any inaccuracies which might come to your attention, if there would be any.

The data listed herein are correct to the best of our knowledge and belief, having been compiled from the reliable and official sources.

However we are afraid we do not assume any responsibility for any possible error.

DOKURO



IMPORTANT NOTICE

Please note that only DOKURO number will be mentioned on our boxes to avoid any inconvenience with car manufacturers.



CERTIFICATE OF REGISTRATION



THIS IS TO CERTIFY THAT

JAPAN ENGINE VALVE MFG. CO., LTD.

5-13-5 Nakagawa Ikuno-ku Osaka-shi Osaka Japan

**CONFORMS TO THE REQUIREMENT OF
QUALITY MANAGEMENT SYSTEM
ISO 9001:2015**

FOR THE FOLLOWING SCOPE

Manufacture and sales of engine valves and all associated work

Certificate Number:	JP23864-Q-3
Original Certificate Date:	23/01/2015
Certificate Issue Date:	21/11/2023
Certificate Expiry Date:	22/01/2027

Mousa Sharifi - Managing Director
Global Compliance Certification



Global Compliance Certification

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DOKURO ENGINE VALVE GRADE

GRADE		MATERIAL	EXPLANATION
A		SUH11 SUH3	• SUH11 apply to Intake Valve only. • SUH3 apply to Intake Valve. (may apply to Exhaust Valve of light engines) 
AN		SUH11 SUH3	• GRADE A + ISONITE TREATMENT • Strong points (ISONITE TREATMENT) ①Wear resistance ②Scuffing resistance ③Corrosion resistance ④Fatigue strength 
B		SUH35 (21-4N)	• Apply to Exhaust Valve of heavy duty engines. • Anti Magnetic Steel (Grade B is higher heat resistance than Grade A) 
BN		SUH35 (21-4N)	• GRADE B + ISONITE TREATMENT • Strong points (ISONITE TREATMENT) ①Wear resistance ②Scuffing resistance ③Corrosion resistance ④Fatigue strength 
BST		SUH35 (21-4N)	• GRADE B + TIP STELLITE WELDING • STELLITE = wear-resistance alloy. 
BSTN		SUH35 (21-4N)	• GRADE B + TIP STELLITE WELDING + ISONITE TREATMENT 
BSS		SUH35 (21-4N)	• GRADE B + SEAT STELLITE WELDING 
BSSN		SUH35 (21-4N)	• GRADE B + SEAT STELLITE WELDING + ISONITE TREATMENT 
BS		SUH35 (21-4N)	• GRADE B + TIP STELLITE WELDING + SEAT STELLITE WELDING 
BSN		SUH35 (21-4N)	• GRADE B + TIP STELLITE WELDING + SEAT STELLITE WELDING + ISONITE TREATMENT 

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DOKURO

ENGINE VALVE

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

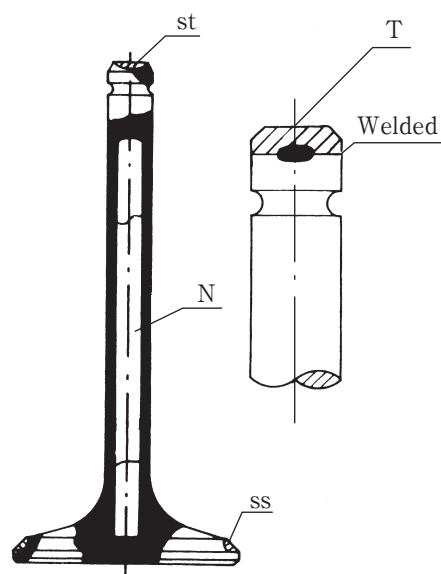
SPECIFICACTIONS of MATERIALS/SPECIAL TREATMENTS

MATERIAL SYMBOL

- A Silicon – Chromium(Silchrome1)(JIS SUH 11) Apply to Inlet Valve only
- A Silicon – Chromium – Molybdenum – Steel(JIS SUH 3) Apply to Inlet Valves (may apply to Exhaust Valves of light engines)
- B High Chromium – Mangan Austenitic Steel(JIS SUH 35)
(Anti Magnetic Steel 21 – 4N) Apply to Exhaust Valves of heavy duty engines.

SPECIAL TREATMENT 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.
- N Soft nitrided valves. Soft nitrided finish or so called "Black Finish" in general. The significance of these improvements resulting from soft nitriding is of course an extended valve life.





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.

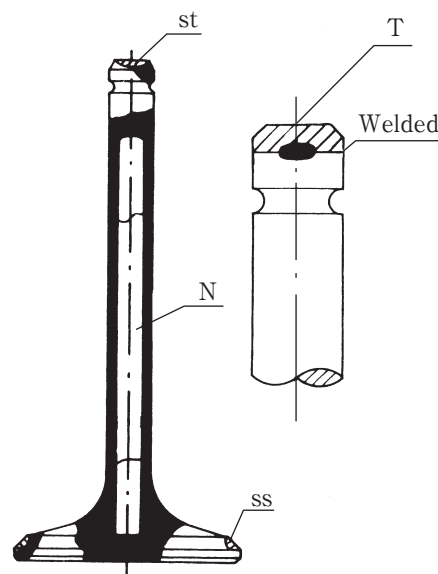
ESPECIFICACIONES DE MATERIALES/TRATAMIENTOS ESPECIALES

SIMBOLO DE MATERIALES

- A Silicon – Chromium (Silichrome 1) (JIS SUH 11) Aplicados a valvulas de admision solamente.
- A Silicon – Chromium – Molybdenum – Steel (JIS SUH 3) Aplicados a Valulas de admision (se puede aplicar a valvulas de escape de motores livianos)
- B High Chromium – Manganese Austenitic Steel (JIS SUH 35) (Anti Magnetic Steel 21 – 4N) Aplicados a valvulas de motores de equipos pesados.

SIMBOLO DE TRATAMIENTO ESPECIAL

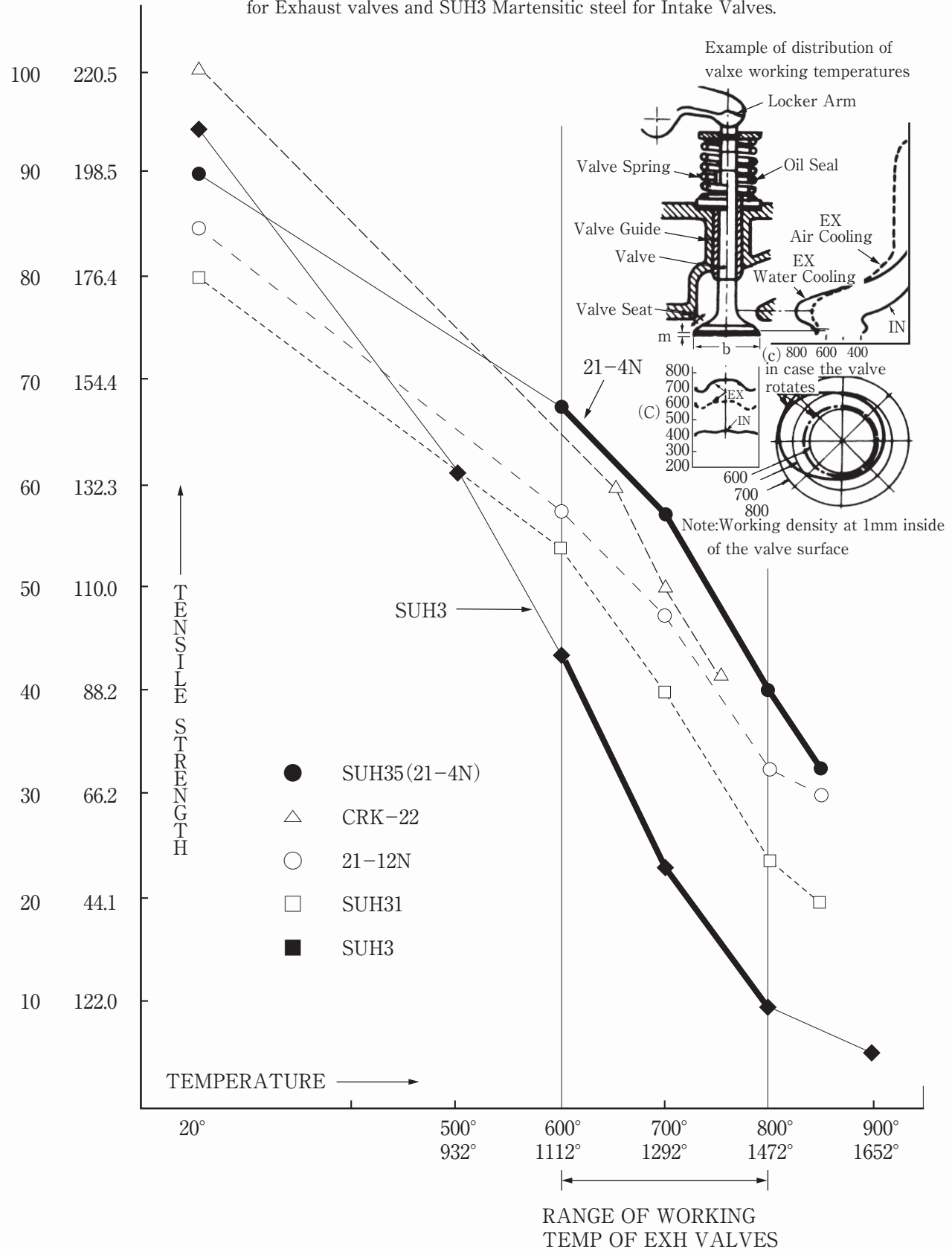
- S **ss** Asiento de valvula : Stellite No.1 Stellite No.6 o No.32 (F)
st Tip : Stellite No.1
- T Wafer welded valvula, wafer pequeno (normalmente en nuestro material A) es soldado en valve tip.
- N Soft Nitrided valves. Soft Nitrided finish, o llamado "NEGRO" en general. El significado de estos mejoramientos resultando de soft nitriding es la extension de vida de las valvula.



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

KG. LBS.

DOKURO employs SUH35 (21-4N) Austenitic (Anti-magnetic) steel for Exhaust valves and SUH3 Martensitic steel for Intake Valves.



CHEMICAL ANALYSIS

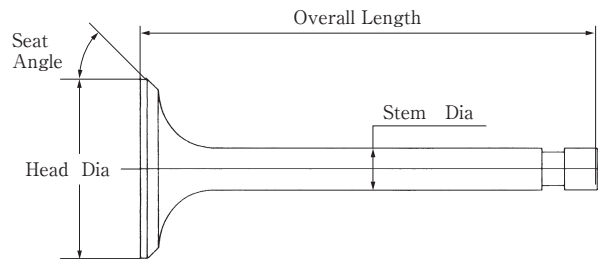
DOKURO Symbol	JIS	SAE	BS	C	Si	Mn	P	S	Ni	Cr	Mo	N	W	Approximate Equivalents		Apply
														TRW	EATON	
W	SCM4	4140	EN49	0.43	0.35	0.85	0.03	0.03	–	1.2	0.3	–	–			I N
	SNCM7	8645	EN100D	0.4	0.4	0.65	0.03	0.035	0.9	0.75	0.2	–	–		I	I N
	SNCM8	4030	EN24	0.44	0.35	0.7	0.03	0.035	1.7	1.4	0.35	–	–	N		I N
A	SUH3			0.4	2.2	0.62	0.032	0.032	0.62	11.0	1.0	–	–			IN&EX
A	SUH11	HNV3	EN52	0.5	3.0	0.6	0.03	0.035	0.5	8.5	–	–	–	S	H	I N
B	SUH35 (21–4N)	EV8	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
	SUH4	ENV6	EN59	0.85	2.25	0.6	0.03	0.03	1.65	20.5	–	–	–			E X
D	SUH31	EV9		0.45	2.5	0.6	0.04	0.03	14.0	15.0	–	–	3.0			EX (Diesel)
R	CRK22			0.35	1.0	1.2	0.25	0.03	12.0	21.0	2.5	–	–			E X
80A	Nimonic 80 A	HEV6		0.05	1.5	1.0			Balance	20.0	Co 18.0	Al 1.2	Ti 2.5			E X

Facing alloys

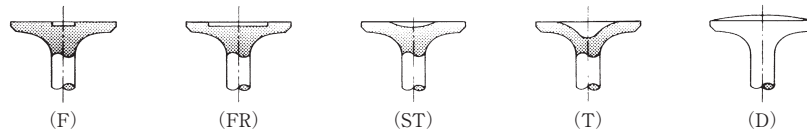
Facing alloys	Ni	C	Co	Cr	W	Fe	Melt.P(C)	HRC	Apply
STELLITE No.6	–	1.0	Balance	28.0	4.0	3.0Max	1,290	44	Seat
STELLITE No.1	–	2.5	Balance	30.0	12.0	3.0Max	1,265	54	Tip

DIMENSIONS & SYMBOLS

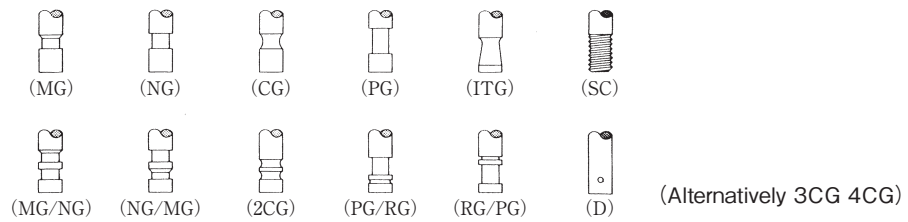
VALVE DIMENSIONS



HEAD STYLES



STEM ENDS



〈SPECIFICATIONS OF “DOKURO” ENGINE VALVES〉

GRADE	MATERIALS	STELLITE		MIDDLE WELDED	SURFACE TREATMENT
		TIP	SEAT		NITRIDE
A	SUH3/11				
AN	SUH3/11				YES
B	SUH35				
BN	SUH35				YES
BS	SUH35	YES	YES		
BSN	SUH35	YES	YES		YES
BSS	SUH35		YES		
BSSN	SUH35		YES		YES
BST	SUH35	YES			
BSTN	SUH35	YES			YES

DESCRIPTION OF ISONITE

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

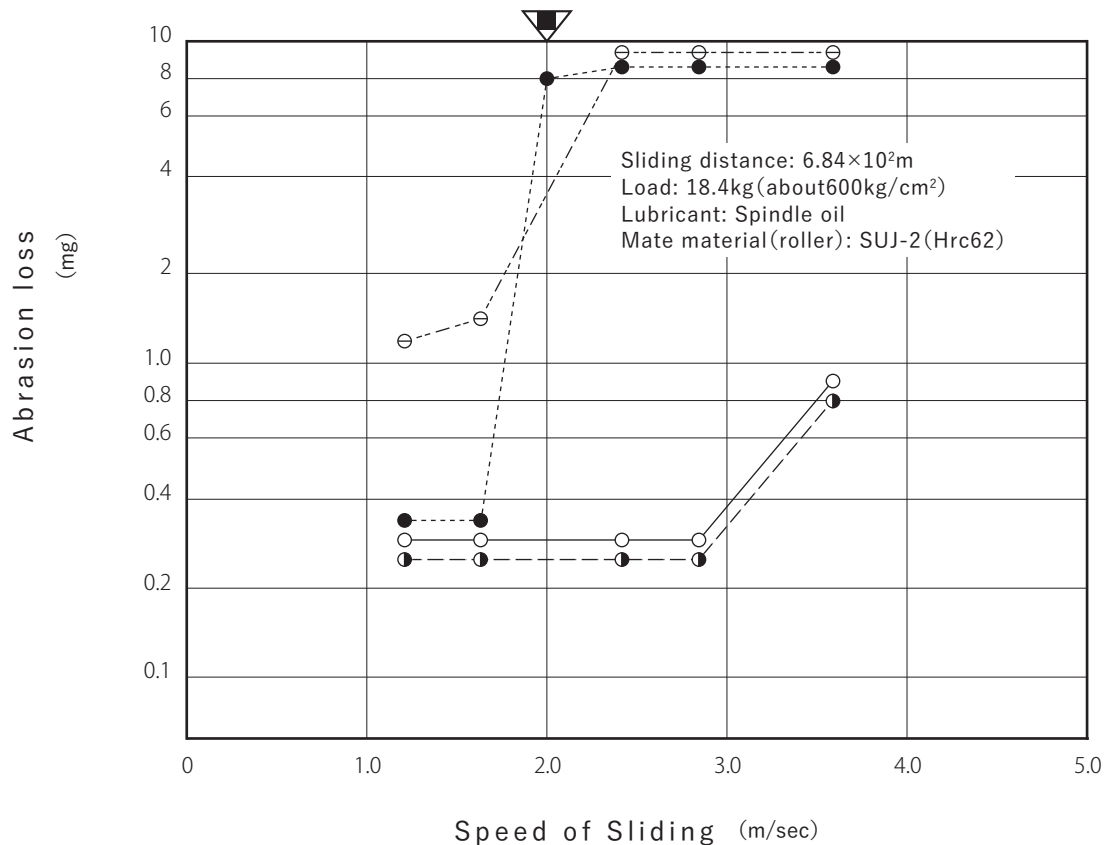
1. ENHANCEMENT OF ABRAISON RESISTANCE

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

- ⊖ Carbon steel with heat treatment
- ◐ ISONITE treated steel
- ISONITE treated steel
- Chrome and Molybdenum steel with carburizing and quenching

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

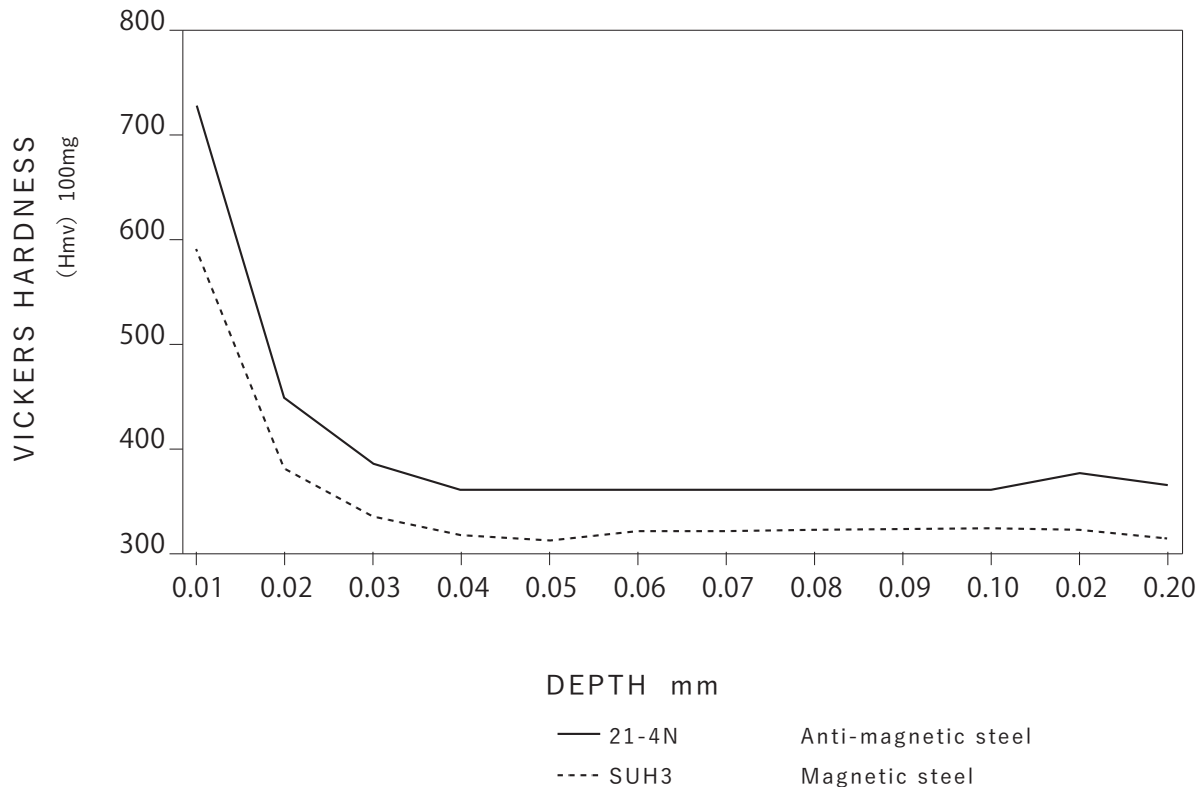
On the contrary ISONITE treated steel shows only 0.3mg



2. HARDNESS DISTRIBUTION CHARACTERISTICS OF ISONITE TREATED STEEL

The figure below illustrates the hardness distribution of ISONITE 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 ISONITE treatment.



3. IMPROVED HEAT RESISTANCE

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

Beneficiaries of the ISONITE process are wear resistant parts used under high temperature conditions on ENGINE VALVE.



DAIHATSU/PERODUA

VEHICLE MODEL	Year	ENGINE TYPE	CYL No.	IN EX	DOKURO No.	REFERENCE No.	Head Dia.	Stem Dia.	Overall Lenght	Seat Avgle	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	CG
				EX	EDH-5002	13715-87101/4 -87102 4023-1642	29.00	7.00	95.00	45°	FR	CG
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
HIJET/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	127.7	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	4	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 KEMBARA G101/A101	89 ~	HC HD ⑩	4	IN	IDH-0010	13711-87103 -87104	30.00	6.60	112.60	45°	F	CG
				EX	EDH-5010	13715-87105 -87106	26.00	6.60	114.80	45°	F	CG
KANCIL 660CC 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/PERODUA

VEHICLE MODEL	Year	ENGINE TYPE	CYL No.	IN EX	DOKURO No.	REFERENCE No.	Head Dia.	Stem Dia.	Overall Lenght	Seat Avgle	Head Style	Stem End
CHARADE 1000CC		CB	4	IN	IDH-0014	13711-87707	30.00	6.00	107.00	45°	ST	CG
INNOCENTI MINI				EX	EDH-5014	13715-87707	26.00	6.00	107.20	45°	ST	CG
KANCIL 660CC		EF-CL	3	IN	IDH-0015	13711-87202	34.00	7.00	111.20	45°	ST	CG
EL201 850CC		ED		EX	EDH-5015	13715-87202	28.00	7.00	110.40	45°	FR	CG
MOVE 1000CC	97 ~	EJ	3	IN	IDH-0016	13711-97205	24.50	5.00	79.20	45°	ST	CG
STORIA				EX	EDH-5016	13715-97203	21.00	5.00	79.80	45°	ST	CG
SIRION												
KENALI												
KELISA												
MYVI												
VIVA												
TREVIS		⑫										
HIJET 660CC		EF	3	IN	IDH-0017	13711-87706	34.00	7.00	105.00	45°	F	CG
ATRAI		⑫		EX	EDH-5017	13715-87705/6	30.00	7.00	105.10	45°	FR	CG
TERIOS 1300CC	02 ~	K3-VE	4	IN	IDH-0018	13711-97401	26.00	5.00	88.20	45°	FR	CG
YRV				EX	EDH-5018	13715-97401	22.60	5.00	89.20	45°	FR	CG
ATRAI CARGO		⑮										
HIJET 660CC	99 ~	EF-SE	3	IN	IDH-0019	13711-97203	33.00	5.50	90.00	45°	ST	CG
		⑫		EX	EDH-5019	13715-97202	26.00	5.50	90.00	45°	ST	CG
HIJET TURBO	02 ~	EF-DET	3	IN	IDH-0020	13711-87205	25.00	5.50	110.00	45°	ST	CG
KELISA		⑫		EX	EDH-5020	13715-87206	21.50	5.50	111.20	45°	ST	CG
VIVA/XENIA		EJ-VE	3	IN	IDH-0022	13711-BZ050	25.50	5.00	79.20	45°	ST	CG
(Malaysia spec)												
(Power Up type)		⑫		EX	EDH-5022	13715-BZ050	22.00	5.00	79.90	45°	ST	CG
MYVY 1300CC		K3-VE	4	IN	IDH-0021	13711-BZ060	27.80	5.00	88.20	45°	FR	CG
(Malaysia spec) 1500CC		3SZ-VE				13711-B1020						
(Power Up type)						13711-BZ070						
RUSH												
AVANZA GRAN MAX												
TOWNACE(JPN)				EX	EDH-5021	13715-BZ060	23.40	5.00	89.00	45°	FR	CG
TERIOS						13715-B1020						
MATERIA						13715-BZ070						
COO		⑮										
MOVE	06 ~	KF-VE	3	IN	IDH-0023	13711-B2010	24.00	5.00	74.90	45°	FR	CG
MIRA												
HI JET 660CC		⑫		EX	EDH-5023	13715-B2010	22.00	5.00	76.40	45°	FR	CG



DAIHATSU/PERODUA

VEHICLE MODEL	Year	ENGINE TYPE	CYL No.	IN EX	DOKURO No.	REFERENCE No.	Head Dia.	Stem Dia.	Overall Lenght	Seat Avgle	Head Style	Stem End
COPEN CHARDE KELISA 660CC	02 ~	JB-DET ⑩	4	IN	IDH-0024	13711-97202	22.00	4.50	93.00	45°	FR	CG
				EX	EDH-5024	13715-87210	18.60	4.50	94.90	45°	FR	CG
BEZZA/AXIA 1000CC AGYA WIGO HI MAX	04 ~	1KR DE ⑫	3	IN	ITY-0639	13711-40040 -40050 -BZ040	27.45	5.00	88.35	45°	FR	CG
				EX	ETY-5639	13715-40040 -40050 -BZ040	23.60	5.00	89.10	45°	FR	CG
MYVI 1300CC AGYA 1200CC WIGO 1500CC BEZZA/AXIA	08 ~	1NE-FE 3NE-VE 2NR-FE ⑩	4	IN	ITY-0641	13711-47010 -0Y020	29.00	5.50	103.40	45°	FR	CG
				EX	ETY-5641	13715-47010 -0Y020	24.20	5.50	104.50	45°	FR	CG



HINO

VEHICLE MODEL	Year	ENGINE TYPE	CYL No.	IN EX	DOKURO No.	REFERENCE No.	Head Dia.	Stem Dia.	Overall Lenght	Seat Avgle	Head Style	Stem End
TRUCK/BUS 7700CC	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
RD35,ZC34 TRUCK/BUS 7000CC	63 ~	DS70/80 DS90	6	IN	IHN-0052	13711-1320 2874-1301-01	50.00	10.00	157.00	60°	F	ITG
KC320/420,KE102/202 TE120/220,BT51/61/220				EX	EHN-5052	13715-1460 2874-1302-01	43.00	10.00	157.00	45°	F	ITG
BUS 10178CC	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
RC300/320/400/420												
TRUCK/BUS 9036CC	67 ~	EB100 EB200	6	IN	IHN-0054	13711-1140/1 2330-1301-20	54.00	11.00	175.00	60°	FR	ITG
				EX	EHN-5054	2330-1302-12 13715-1290 2330-1302-12	48.00	11.00	175.00	45°	F	ITG
KB380/TC30												
TRUCK/BUS 5871CC	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
KL3#/4#,AM100/200												
TRUCK 13804CC	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
KE700												
TRUCK/BUS 4300CC	64 ~	DM100 DQ100	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
RM/EM/HM/KM												
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



HINO

VEHICLE MODEL	Year	ENGINE TYPE	CYL No.	IN EX	DOKURO No.	REFERENCE No.	Head Dia.	Stem Dia.	Overall Lenght	Seat Avgle	Head Style	Stem End
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
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	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 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	6	IN	IHN-0063	13711-1380	57.00	12.00	170.00	60°	F	CG
		EF750 K13D	8			-1390 -1420 -1450/1 -1012 -1561						
				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 ZM 19900CC	75 ~	EF300	8	IN	IHN-0065	13711-1050	56.00	12.00	169.00	60°	F	CG
	76 ~	EF500				-1370						
	76 ~	EF700		EX	EHN-5065	13715-1060	52.00	12.00	169.00	45°	F	CG
	82 ~	EV700				-1061						
TURCK/BUS 13800CC 14900CC KA/KF/TC/ZM	71 ~	EF100	6	IN	IHN-0066	13711-1110	54.00	12.00	167.70	45°	F	2CG
		EG100	8			-1330						
				EX	EHN-5066	13715-1140	50.00	12.00	167.70	45°	F	2CG



HINO

VEHICLE MODEL	Year	ENGINE TYPE	CYL No.	IN EX	DOKURO No.	REFERENCE No.	Head Dia.	Stem Dia.	Overall Lenght	Seat Avgle	Head Style	Stem End
YRUCK/BUS 9491CC FH/RV	81 ~	EM100	6	IN	IHN-0067	13711-1410 -1500	54.00	12.00	145.00	60°	F	CG
				EX	EHN-5067	13715-1240	48.00	10.00	144.00	45°	F	CG
TRUCK/BUS 6433CC FT/FD/CD	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
					EHN-5069	13715-1220 -1520	41.30	9.00	142.00	45°	F	CG
TRUCK 8800CC FN/FR	81 ~	EP100	6	IN	IHN-0070	13711-1430/1 -1530 -1541	50.00	10.00	145.00	60°	F	CG
				EX	EHN-5070	13715-1260 -1580	46.40	10.00	145.00	45°	F	CG
BUS 11600CC RC	78 ~	ER100 ER200	6	IN	IHN-0071	13711-1360	55.00	12.00	162.40	60°	F	CG
				EX	EHN-5071	13715-1470	51.00	12.00	162.40	45°	F	CG
TRUCK 7862CC FG/LB/KK	78 ~	EL100	6	IN	IHN-0072	13711-1350	50.00	10.00	144.50	60°	F	CG
				EX	EHN-5072	13715-1070	46.40	10.00	144.50	45°	F	CG
TRUCK 9800CC KB/RE	71 ~	EB300 EB400	6	IN	IHN-0073	13711-1090/1	53.00	12.00	175.00	60°	F	CG
				EX	EHN-5073	13715-1500 -1122	47.00	12.00	175.00	45°	F	CG
TRUCK 4000CC 5800CC	83 ~	W04D W06D	4	IN	IHN-0074	13711-1441/3 -1520/1 -78010	45.40	9.00	123.10	60°	F	CG
			6	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
RANGER 8000CC	98 ~	J05C J07 J08C	6	IN	IHN-0078	13711-1630~2 -1830 -89104	39.00	7.00	133.00	45°	F	CG
				EX	EHN-5078	S1371-11632 13715-1730~3 -78020/1 S1371-51733	37.00	7.00	132.20	45°	F	CG



HINO

VEHICLE MODEL	Year	ENGINE TYPE	CYL No.	IN EX	DOKURO No.	REFERENCE No.	Head Dia.	Stem Dia.	Overall Lenght	Seat Avgle	Head Style	Stem End
TRUCK 11000CC FN/FH/FP FS/FW/GN	90 ~	P09C(T) P11C(T)	6	IN	IHN-0079	13711-1600 -1790 -1720 -1590/1	40.90	8.00	155.50	60°	F	CG
				EX	EHN-5079	13715-1620 -1801 -1820 -1860	39.90	8.00	155.40	45°	F	CG
TRUCK 20000CC FN/FR/FS FU/FW/FY SH	92 ~	F20C	8	IN	IHN-0080	13711-1610/1	48.90	10.00	159.70	60°	F	CG
				EX	EHN-5080	13715-1750 -1630 -1631	46.90	10.00	159.40	45°	F	CG
TRUCK FH/FN FP/FQ/FR/FS	89 ~	K13CT ⑫	6	IN	IHN-0081	13711-1820 -1650 -1700 S1371-11820	45.85	9.00	159.10	60°	F	CG
				EX	EHN-5081	13715-1600 -1790 -1671 -1720 S1371-51600	44.90	9.00	158.90	45°	F	CG
DUTRO	03 ~	NO4C	4	IN	IHN-0082	S1371-11800 13711-78020	34.00	7.00	122.60	45°	F	CG
				EX	EHN-5082	S1371-51870 13715-78030	30.00	7.00	128.90	45°	F	CG
PROFIA 4000CC 700SERIES		E13C	6	IN	IHN-0083	S1371-11780	47.00	10.00	175.00	45°	F	CG
				EX	EHN-5083	S1371-51850 13715-E0080	46.00	10.00	175.00	60°	F	CG



HONDA

VEHICLE MODEL	Year	ENGINE TYPE	CYL No.	IN EX	DOKURO No.	REFERENCE No.	Head Dia.	Stem Dia.	Overall Lenght	Seat Avgle	Head Style	Stem End			
CIVIC 1200CC 1300CC SK/SL/SP/SS SG/SH/SC/SF	78 ~	ED EE EB5 EN	4	IN	IHO-0102	14711-634-000	36.00	6.60	109.50	45°	ST	PG			
						-671									
						-920									
						-921									
				EX	EHO-5102	14721-634-000	32.00	6.60	109.50	45°	F	PG			
						-671									
						-920									
				EHO-5116	14721-PA1-000	32.00	6.60	110.20	45°	ST	PG				
					-671										
CIVIC 1500CC SF/SE/VB/SR	79 ~	EC ED EF EJ	4	IN	IHO-0103	14711-671-000	35.00	6.60	112.80	45°	ST	PG			
						-003									
				AU	IHO-0133	14731-PA6-660	12.00	6.60	97.80						
		EX		EHO-5103	14721-657-000	28.00	6.60	113.00	45°	ST	PG				
-003															
		-010													
		-671													
CIVIC 1200CC SB1	73 ~	EB-1 EB-2	4	IN	IHO-0104	14711-611-000	34.00	6.60	112.70	45°	ST	PG			
						EX	EHO-5104	14721-611-000	30.00	6.60	112.70	45°	F	PG	
								EHO-5112	14721-657-672	28.00	6.60	113.00	45°	F	PG
								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			
						EX	EHO-5106	14721-689-000	28.00	7.00	113.20	45°	F	CG	
								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	38.00	6.60	102.40			MG			
ACCORD PRELUDE QUINTET SV/SU/SY	80 ~	EP	4	IN	IHO-0109	14711-PB2-000	35.00	7.00	113.40	45°	ST	CG			
						EX	EHO-5109	14721-PB2-000	28.00	7.00	113.10	45°	F	CG	
								EHO-5120	14721-676-640	28.00	7.00	113.80	45°	F	CG
									-641						



HONDA

VEHICLE MODEL	Year	ENGINE TYPE	CYL No.	IN EX	DOKURO No.	REFERENCE No.	Head Dia.	Stem Dia.	Overall Lenght	Seat Avgle	Head Style	Stem End
CIVIC 1500CC ACCLAIM BALLADE SL/SP/ST/SR	82 ~	EJ EM	4	IN	IHO-0110	14711-PA6-000	35.00	6.60	114.30	45°	ST	PG
				AU	IHO-0136	14731-PA6-000	12.00	6.60	94.00			
				AU	IHO-0137	14731-PA6-010	12.00	6.60	94.00			
		⑫		EX	EHO-5110	14721-PA6-000	28.00	6.60	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	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	30.00	7.00	113.90	45°	ST	CG
		⑫										
ACCORD 1800CC PRELUDE 1600CC AB/AC/AD	83 ~ 83 ~	ES EY	4	IN	IHO-0112	14711-PC6-000	30.00	6.60	120.50	45°	ST	CG
				AU	IHO-0139	14731-PC6-000	12.00	6.60	96.70			
		⑫		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
					EHO-5125	14721-PE7-000	33.10	6.60	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	6.60	112.80	45°	ST	CG
				EX	EHO-5121	14721-PE0-000 -024	32.00	6.60	114.00	45°	ST	CG
		⑫										
CIVIC 1300CC TRIUMPH 1500CC CRX AG/AK/AJ/SE/AH	84 ~	EV EW	4	IN	IHO-0123	14711-PE0-660	30.00	6.60	112.80	45°	ST	CG
				AU	IHO-0141	14731-PE0-000	12.00	6.60	89.20			
		⑫		EX	EHO-5123	14721-PE0-660	29.00	6.60	114.00	45°	ST	CG
ACURA INTEGRA PRELUDE ACCORD	84 ~	A16 A18 A20	4	IN	IHO-0122	14711-PD4-000	26.00	6.60	120.50	45°	ST	CG
					IHO-0128	14711-PG6-000	30.00	6.60	104.40	45°	ST	CG
		⑫		EX	EHO-5128	14721-PG6-000	27.00	6.60	104.60	45°	ST	CG
ACCORD PRELUDE LEGEND	87 ~	C20A C27A	6	IN	IHO-0129	14711-PH3-000	33.00	6.60	104.50	45°	FR	CG
		⑳		EX	EHO-5129	14721-PH3-000	28.00	6.60	105.90	45°	ST	CG
INTEGRA CIVIC without VTEC	87 ~	ZC	4	IN	IHO-0126	14711-PM3-000	29.00	5.50	115.10	45°	ST	CG
				EX	EHO-5126	14721-PM3-000	25.00	5.50	118.80	45°	F	CG
		⑯										



HONDA

VEHICLE MODEL	Year	ENGINE TYPE	CYL No.	IN EX	DOKURO No.	REFERENCE No.	Head Dia.	Stem Dia.	Overall Lenght	Seat Avgle	Head Style	Stem End
CIVIC 1300CC 1500CC	88 ~	D13	4	IN	IHO-0124	14711-PH3-000	33.00	6.60	104.50	45°	FR	CG
		D15		EX	EHO-5124	14721-PH7-000	27.00	6.60	106.60	45°	ST	CG
CITY JAZZ AA/VF	84 ~	ER ⑫	4	IN	IHO-0127	14711-PC0-000	30.00	6.60	118.00	45°	ST	
				EX	EHO-5127	14721-PC0-000	24.00	6.60	117.00	45°	F	PG
ACCORD 2000CC CB/CD	89 ~	F18 F20 ⑮	4	IN	IHO-0701	14711-PT0-000 -P08-A00 -P0J-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
ACCORD PRELUDE	92 ~	F22A ⑮	4	IN	IHO-0704	14711-PT5-000 -PT3-A00	34.00	5.50	112.20	45°	ST	CG
				EX	EHO-5707	14721-PT6-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 2300CC	92 ~	F22B F23B ⑮	4	IN	IHO-0706	14711-PT2-000	34.00	6.60	103.60	45°	ST	CG
				EX	EHO-5706	14721-PT2-000	29.00	6.60	102.80	45°	ST	CG
DEL SOL CIVIC with VTEC	95 ~	B16A ⑮	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	92 ~	D16 ⑮	4	IN	IHO-0709	14711-P08-000 -P1J-L00	30.00	5.50	118.50	45°	ST	CG
				EX	EHO-5709	14721-P08-000 -P1J-L00	26.00	5.50	116.00	45°	ST	CG
ACCUA LEGEND 3200CC		C32 ⑳	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	94 ~	F20/22 ⑮	4	IN	IHO-0711	14711-P0A-000 -P03-000	34.00	5.50	116.10	45°	ST	CG
				EX	EHO-5711	14721-P0A-000	29.00	5.50	114.30	45°	ST	
					EHO-5712	14721-P0A-Y00	29.00	5.50	115.00	45°	T	CG
CIVIC with VTEC	92 ~ 95	D15 ⑮	4	IN	IHO-0713	14711-P07-000	27.50	5.50	120.00	45°	ST	CG
				EX	EHO-5713	14721-P07-000	23.50	5.50	117.50	45°	ST	CG
CIVIC JAZZ without VTEC	94 ~	D16 D17 ⑮	4	IN	IHO-0714	14711-P2A-000 -P1J-E00	30.00	5.50	118.60	45°	ST	CG
				EX	EHO-5714	14721-P2A-000 -P2A-010 -P1J-E00 -RNA-A01	26.00	5.50	116.00	45°	ST	CG



HONDA

VEHICLE MODEL	Year	ENGINE TYPE	CYL No.	IN EX	DOKURO No.	REFERENCE No.	Head Dia.	Stem Dia.	Overall Lenght	Seat Avgle	Head Style	Stem End
ACCORD 2700CC U.S.A	96 ~	C27 (24)	V6	IN	IHO-0715	14711-P0G-A00	33.00	6.60	104.50	45°	ST	CG
				EX	EHO-5715	14721-P0G-A00	27.50	6.60	106.50	45°	ST	CG
CR-V 2000CC STEPWGN	97 ~	B20B (16)	8	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 660CC LIFE	90 ~	E07A	6	IN	IHO-0717	14711-PN4-000	23.00	5.50	115.70	45°	ST	CG
				EX	EHO-5717	14721-PN4-000	20.00	5.50	117.70	45°	ST	CG
ACCORD INSPIRE LEGEND ODYSSEY	97 ~	J30 (24) F22 F23 (16)	8	IN	IHO-0718	14711-P0H-A00	34.00	5.50	116.00	45°	ST	CG
				EX	EHO-5718	14721-P0H-A00	29.00	5.50	114.30	45°	ST	CG
CR-V 2000/2400CC STREAM i-VTEC	00 ~	K20A K20AZ (16)	4	IN	IHO-0719	14711-PNA-000 -PRB-A01	35.00	5.50	109.10	45°	ST	CG
				EX	EHO-5719	14721-PNA-000 -PRB-A00 -PRB-Y00	30.00	5.50	108.80	45°	ST	CG
ACCORD 2200CC PRELUDE VTEC	96 ~	H22A (16)	4	IN	IHO-0720	14711-P13-000	35.00	5.50	106.80	45°	ST	CG
				EX	EHO-5720	14721-P13-00	30.00	5.50	107.00	45°	ST	CG
FIT JAZZ i-DSI	02 ~	L13A1 (16)	4	IN	IHO-0721	14711-PWA-000 -REA-F00	32.05	5.50	118.40	45°	ST	NG
				EX	EHO-5721	14721-PWA-000	27.85	5.50	118.20	45°	ST	NG
FIT JAZZ VTEC	02 ~	L15A1 (16)	4	IN	IHO-0722	14711-PWC-000	27.40	5.50	118.40	45°	ST	CG
				EX	EHO-5722	14721-PWC-000	23.00	5.50	117.60	45°	ST	CG
ACURA MDX ACCORD AVANCIER ODYSSEY V6	96 ~	J30/35 F30 (24)	6	IN	IHO-0723	14711-P8E-A00	35.00	5.50	116.00	45°	ST	CG
				EX	EHO-5723	14721-P8E-A00	30.00	5.50	114.20	45°	ST	CG
CR-V ODYSSEY ACURA MDX		K24A (16)	4	IN	IHO-0725	14711-R40-A00	36.00	5.50	108.75	45°	ST	CG
				EX	EHO-5725	14721-R40-A00	31.00	5.50	108.70	45°	ST	CG
ACURA TL TYPE S ACCORD	98 ~	J32 J35 (24)	V6	IN	IHO-0724	14711-RYE-A00	36.00	5.50	116.95	45°	ST	CG
				EX	EHO-5723	14721-P8E-A00	30.00	5.50	114.20	45°	ST	CG



This image shows a completely blank white rectangular area enclosed within a thin black border. There are no markings, text, or illustrations present.



ISUZU

VEHICLE MODEL	Year	ENGINE TYPE	CYL No.	IN EX	DOKURO No.	REFERENCE No.	Head Dia.	Stem Dia.	Overall Lenght	Seat Avgle	Head Style	Stem End
ELF 2200CC	71 ~	C190	4	IN	IIS-0151	9-12551-802-0/1	38.00	8.00	116.00	45°	F	CG
LUV 2200CC		C220				8-94026-571-0						
TROOPER 2400CC		C240				8-94130-749-0						
FLORIAN						9-12551-037-0						
						9-12551-093-0/2						
KAD40/50				EX	EIS-5151	9-12552-801-0/1	32.00	8.00	116.00	45°	F	CG
KBD20/25/41/46						5-12552-014-0						
TLD23/43/53/63						5-12552-026-0						
UBS52/PAD						8-94027-307-0						
						8-94118-839-0						
						9-12552-071-0						
						9-12552-090-0						
ELF 1600CC	68 ~	G161	4	IN	IIS-0153	9-12551-128-0	41.00	8.00	109.80	45°	ST	CG
LUV						9-12551-159-0						
BELLET				EX	EIS-5153	9-12552-175-0	32.00	8.00	109.80	45°	F	CG
KB20/KA51/PR50/91,PA20						9-12552-215-0						
ELF 3300CC	70 ~	C330	4	IN	IIS-0154	9-12551-801-0	45.00	9.00	127.80	45°	F	CG
JOURNEY 5000CC	70 ~	D500	6			1-12551-050-0						
FORWARD 2800CC	73 ~	4BA1				1-12551-054-0						
	3600CC	4BB1				5-12551-006-0						
	3200CC	4BC1				5-12551-024-0						
	3200CC	4BC2				8-94129-550-0						
	3800CC	4BD1				8-97028-702-0						
	5400CC	4BE1		EX	EIS-5154	9-12552-240-0	37.50	9.00	127.80	45°	F	CG
	5700CC	6BB1				1-12552-025-0						
	6100CC	6BD1				5-12552-005-0						
		6BF1				5-12552-025-0						
						5-12552-030-0						
						5-12552-031-0						
BE20/22,BK/BL					EIS-5181	5-12552-042-0	37.50	9.00	127.80	45°	F	CG
BLD/BY/CCM					(WITH CARBO	5-12552-023-0						
FDR/JBR/KA20					SCRAPER)	5-12552-036-0						
KS/KT/SBR/SCR/SDR						5-12552-043-0						
TLD/TR/TVD						5-12552-048-0						
						8-94333-114-0						
						8-94461-958-0						
						8-97028-706-0						



ISUZU

VEHICLE MODEL	Year	ENGINE TYPE	CYL No.	IN EX	DOKURO No.	REFERENCE No.	Head Dia.	Stem Dia.	Overall Lenght	Seat Avgle	Head Style	Stem End
LUV 1800CC FLORIAN GEMINI	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
BELLET 1600CC LUV/TROOPER 1800CC IMPUL/PIAZZA 2000CC 117COUPE	66 ~ 69 ~ 80 ~	G161 G180 G200	4	IN	IIS-0156	8-94205-977-0 8-94200-742-0	42.40	8.00	109.50	45°	ST	NG
				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	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 6100CC TXD10/60 BA343/BR/BB	56 ~ 56 ~	DA640 DA120	6	IN	IIS-0158	9-12551-022-0 9-12551-072-0 9-12551-073-0	44.00	10.00	144.00	45°	F	NG
				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 6100CC TXD30/70 BA351/BR351/BB351	66 ~ 66 ~	DA640 DA120	6	IN	IIS-0159	9-12551-071-0	44.00	10.00	143.80	45°	F	NG
				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
TRUCK/BUS 6300CC 6100CC 4000CC BA/BR/BF TSD/TWE/TXD SFR/BXD	73 ~ 73 ~ 65 ~	DA640 DA120 DA220 DA640T	6	IN	IIS-0160	1-12551-002-0 1-12551-013-0 1-12551-008-0 1-12551-003-0	45.50	10.00	144.00	45°	F	
				EX	EIS-5160	1-12552-001-0 1-12552-007-0 1-12552-003-0	42.00	10.00	144.00	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 Lenght	Seat Avgle	Head Style	Stem End
TRUCK/BUS 6300CC 6100CC TSD/TWD/TXD BXD BA/BF/BR	69 ~	DA640	6	IN	IIS-0161	9-12551-132-0 9-88511-175-0 9-12551-125-0 9-88551-175-0	44.10	10.00	144.00	45°	F	2CG
	69 ~	DA120		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
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 ~	D920	6	IN	IIS-0164	9-12551-150-0	56.00	12.00	163.00	60°	F	2CG
	80 ~	E110				9-12551-120-0						
	80 ~	6QA1				9-12551-109-0 1-12551-105-0						
				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



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VEHICLE MODEL	Year	ENGINE TYPE	CYL No.	IN EX	DOKURO No.	REFERENCE No.	Head Dia.	Stem Dia.	Overall Lenght	Seat Avgle	Head Style	Stem End
TRUCK/BUS 12000CC SPG/SPK/SPM/SPR TG/TMK/BU/CPA	73 ~	E120 6RA1 6RB1	6	IN	IIS-0165	1-12551-004-0	47.00	10.00	164.00	45°	F	CG
						1-12551-025-0						
					IIS-0177	1-12551-047-0	46.00	11.00	165.40	60°	F	CG
						1-12551-057-0 1-12551-129-0						
				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°	F	CG
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
						9-12552-256-0 1-12552-010-0 9-12552-010-0	45.00	11.00	164.00	45°	F	2CG
TRUCK/BUS 8000CC TRACTOR 10000CC 12000CC SKS/SKW/SVZ/SRG VTR/VTZ/VVR/CXZ/CXM	76 ~	8PA1 10PA1 12PA1	8	IN	IIS-0167	1-12551-030-0	48.00	10.00	159.00	45°	F	CG
			10			1-12551-005-1						
			12			1-12551-030-1						
		8PB1 10PB1 12PB1 12PC1	8	EX	EIS-5167	1-12552-005-0	46.20	10.00	159.00	45°	F	CG
			10			1-12552-015-0						
			12			1-12552-015-4						
TRACTOR 16500CC TV30ES/TV30ZE/TV40ZB	70 ~	V170	8	IN	IIS-0168	9-12551-177-0 9-12551-182-0	49.00	11.00	162.00	60°	F	2CG
						9-12552-224-0	45.00	11.00	162.00	60°	F	2CG
TRUCK/BUS 4000CC TY20/40/BY30	65 ~	D400	6	IN	IIS-0169	9-12551-142-0	43.00	9.00	127.80	45°	F	CG
				EX	EIS-5169	9-12552-143-0 9-12552-131-0	35.00	9.00	128.00	45°	F	CG
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	34.00	8.00	109.20	45°	ST	NG
KB 2000CC		G200				8-94119-147-0						
GEMINI 1800CC	82 ~	4FB1	4	IN	IIS-0171	8-94216-589-0	38.90	8.00	132.30	45°	F	CG
ASKA 2000CC	82 ~	4FC1		EX	EIS-5171	8-94216-590-0	34.00	8.00	132.20	45°	F	CG
WFR 2200CC	83 ~	4FD1				8-94108-307-0						
JJ/WFR/PFD												



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VEHICLE MODEL	Year	ENGINE TYPE	CYL No.	IN EX	DOKURO No.	REFERENCE No.	Head Dia.	Stem Dia.	Overall Lenght	Seat Avgle	Head Style	Stem End
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				5-12551-030-0						
ELF 2400CC	69 ~	C240				8-94029-351-0						
LUV						9-12551-028-0						
				EX	EIS-5172	5-12552-034-0	34.00	8.00	116.00	45°	F	CG
						5-12552-038-0						
PAD/UBS/KAD/TLD						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	40.00	10.00	140.00	45°	F	RC/PG
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	34.00	8.00	115.80	45°	F	CG
FARGO 1600CC	81 ~	4ZA1	4	IN	IIS-0183	8-94232-096-0	40.30	8.00	110.70	45°	F	NG
ASKA 1800CC	81 ~	4ZB1				8-94251-273-0						
				EX	EIS-5183	8-94214-920-0	34.00	8.00	110.20	45°	F	NG
						8-94251-274-0						
						8-94460-637-0						
JJ110/WFR10						8-94453-404-0						
TRUCK 6500CC	84 ~	6BG1	6	IN	IIS-0184	1-12551-081-0	46.00	9.00	127.90	45°	F	CG
						1-12551-063-0						
						1-12551-082-0						
						1-12551-083-0						
						1-12551-139-0						
				EX	EIS-5184	1-12552-027-0	37.50	9.00	127.80	45°	F	CG
					EIS-5199	1-12552-079-0	37.50	9.00	127.90	45°	F	CG
						1-12552-083-0						
ETR12/FSR12						1-12552-052-0						
LT312/LR312						1-12552-080-0						
ASKA 2000CC	83 ~	4ZC1	4	IN	IIS-0186	8-94251-275-0	42.30	8.00	110.70	45°	F	NG
IMPULSE		4ZD1				8-94153-969-0						
TROOPER				EX	EIS-5186	8-94251-276-0	36.00	8.00	110.20	45°	F	NG
						8-94136-727-0						
						8-94251-440-0						
						8-94251-044-0						
						8-94441-051-0						
						8-94441-074-0						
JJ120						8-97119-751-0						



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VEHICLE MODEL	Year	ENGINE TYPE	CYL No.	IN EX	DOKURO No.	REFERENCE No.	Head Dia.	Stem Dia.	Overall Lenght	Seat Avgle	Head Style	Stem End
GEMINI 1500CC I-MARK JT190/LN	85 ~	4XC1 4XE1 ⑩	4	IN	IIS-0190	8-94250-977-0	36.00	7.00	105.20	45°	F	CG
						8-94151-069-0						
				EX	EIS-5190	8-94250-978-0	31.00	7.00	105.20	45°	F	CG
ELF 2500CC 2700CC NHR54/55 WHR55/TFR55/TES55	84 ~	4JA1 4JB1	4	IN	IIS-0192	8-94133-275-1	40.00	8.00	118.20	45°	F	CG
						8-94133-275-0						
						8-94464-921-0						
						8-97010-464-0						
TROOPER 2600CC UBS17	88 ~	4ZE1	4	IN	IIS-0195	8-94447-025-0	44.20	8.00	108.60	45°	ST	NG
				EX	EIS-5195	8-94447-026-0	37.00	8.00	108.20	45°	F	CG
TROOPER 2300CC 2600CC UBS16	86 ~	4ZD1 4ZE1	4	IN	IIS-0197	8-94174-222-1	44.20	8.00	108.60	45°	ST	NG
				EX	EIS-5197	8-94174-223-1	37.00	8.00	108.20	45°	ST	NG
ELF 1500CC NKR58	82 ~ 85 ~	4FA1	4	IN	IIS-0198	5-12551-033-2	31.00	8.00	132.40	45°	F	CG
				EX	EIS-5198	5-12552-040-2	26.00	8.00	132.50	45°	F	CG
GEMINI-D 1500CC JT600	86 ~	4EC1	4	IN	IIS-0200	8-94370-173-1	34.50	7.00	104.10	45°	F	CG
						8-94110-016-0						
ELF 3800CC NPR59	86 ~	4BD1	4	IN	IIS-0203	8-94414-833-1	45.00	9.00	127.70	45°	F	CG
						8-97034-379-0						
						8-97028-961-0						
FARGO 1995CC WFR51	82 ~	4FB1 4FC1 4FG1	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 2500CC KBD23/TFR54	88 ~	4JA1 4JC1	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



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VEHICLE MODEL	Year	ENGINE TYPE	CYL No.	IN EX	DOKURO No.	REFERENCE No.	Head Dia.	Stem Dia.	Overall Lenght	Seat Avgle	Head Style	Stem End
ELF NPR KPT59	4200CC 89 ~	4HF1	4	IN	IIS-0209	8-97033-864-1	50.00	9.00	141.00	45°	F	CG
		6HF1				8-97033-864-0						
		4HK1		EX		8-97060-415-0	42.00	9.00	140.50	45°	F	CG
						8-97019-337-0						
						8-97219-509-2						
						8-97189-114-0						
TRUCK FTR TVR	8200CC	6HE1	6	IN	IIS-0211	8-94394-160-1	51.00	9.00	141.00	45°	F	CG
		6HH1				8-94394-160-2						
				EX		8-94395-462-0	42.00	9.00	140.80	45°	F	CG
TRUCK FTR FVR	8200CC 92 ~	6SA1	6	IN	IIS-0210	1-12551-111-0	49.00	10.00	134.00	60°	F	CG
						1-12551-111-1						
						1-12551-111-2						
TRUCK 9800CC FVR23D		6SA1	6	IN	IIS-0212	1-12551-089-0	48.00	10.00	132.00	45°	F	CG
		6SD1			IIS-0216	1-12551-158-0	50.00	10.00	132.00	45°	F	CG
				EX	EIS-5212	1-12552-085-0	46.10	10.00	132.00	45°	F	CG
						1-12552-108-0						
						1-12552-063-0						
FARGO LUV		4FE1	4	IN	IIS-0213	8-94178-102-2	31.00	8.00	134.50	45°	F	CG
		4FA1		EX	EIS-5213	8-94410-960-2	26.00	8.00	134.30	45°	F	CG
TROOPER V6 DOHC UBS25	3200CC 91 ~	6VD1	6	IN	IIS-0214	8-97027-499-1	34.00	6.00	114.00	45°	ST	CG
						8-97027-092-0	30.00	6.00	99.50	45°	ST	
		(24)		EX	EIS-5214	8-97014-174-0						CG
TRUCK	9800CC 90 ~	6SA1	6	IN	IIS-0202	1-12551-092-0	49.00	10.00	134.00	60°	F	CG
				EX	EIS-5202	1-12552-136-0	46.00	10.00	132.00	45°	F	CG
						1-12552-050-0						
TRUCK CXH/CXM CXZ	17000CC 89 ~	10PD1	10	IN	IIS-0215	1-12551-136-0	50.00	10.00	159.20	45°	F	CG
				EX	EIS-5215	1-12552-097-0	46.10	10.00	159.20	45°	F	CG
						1-12552-064-0						
TROOPER SOHC	3200CC 91 ~	6VD1	V6	IN	IIS-0217	8-97015-546-2	34.00	6.00	99.10	45°	ST	CG
					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
		(24)			EIS-5218	8-97169-808-0	29.00	6.00	103.50	45°	ST	CG
TROOPER D-MAX	3000CC 91 ~	4JG2	4	IN	IIS-0219	8-97131-729-0	42.20	8.00	117.60	45°	F	CG
		4JH1		EX	EIS-5219	8-97043-861-1	35.70	8.00	117.60	45°	F	CG
TROOPER	3500CC 98 ~	6VE1	V6	IN	IIS-0222	8-97131-961-0	34.00	6.00	103.70	45°	ST	CG
		(24)		EX	EIS-5222	8-97131-962-0	29.00	6.00	103.60	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 Lenght	Seat Avgle	Head Style	Stem End
BIGHORN 3100CC WIZARD MU DIESEL TURBO	91 ~	4JG2 4JH1	4	IN	IIS-0221	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-MAX 2200CC PICK UP	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
NPR TRUCK 4800CC TURBO	93 ~	4HE1 6HE1	4 6	IN	IIS-0223	8-94395-113-1	46.50	9.00	141.00	60°	F	CG
				EX	EIS-5211	8-94395-462-0	42.00	9.00	140.80	45°	F	CG
TRUCK	00 ~	6SD1	6	IN	IIS-0225	1-12551-126-1 1-12551-161-4	51.00	10.00	133.50	60°	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
NPR 4300CC NKR	95 ~	4HF1 4HG1 6HH1	4 6	IN	IIS-0226	8-97171-398-0	51.00	9.00	141.00	45°	F	CG
				EX	EIS-5226	8-97171-399-0	42.00	9.00	140.60	45°	F	CG
MU WIZARD BIGHORN TROOPER	98 ~	4JX1T	4	IN	IIS-0227	8-97137-154-0	33.00	7.00	98.20	45°	F	CG
				EX	EIS-5227	8-97137-155-0	33.00	7.00	98.15	45°	F	CG
GIGA CV/CX/CY	92 ~	6WA1	6	IN	IIS-0228	1-12551-145-4	43.10	10.00	187.70	60°	F	CG
				EX	EIS-5228	1-12552-095-0	41.05	10.00	187.70	45°	F	CG
					EIS-5229	1-12552-102-1	42.00	10.00	187.75	45°	F	CG
TRUCK/BUS FORWARD	99 ~	6HK1T 6HK1 4HK	6 4	IN	IIS-0232	8-94395-882-0	37.00	8.00	130.60	60°	F	CG
					IIS-0238	8-94395-881-0	37.00	8.00	130.60	45°	F	CG
				EX	EIS-5232	8-94395-883-0/1/2 8-97209-876-2/3	36.95	8.00	130.20	45°	F	CG
GIGA TRUCK CV/CX/CY		6WG1T	6	IN	IIS-0233	1-12551-151-4	47.85	10.00	187.70	60°	F	CG
					IIS-0234	1-12551-162-2	48.50	10.00	189.30	60°	F	CG
					IIS-0235	1-12551-162-4	48.00	10.00	189.30	60°	F	CG
				EX	EIS-5233	1-12552-109-0 1-12552-098-0 1-12552-089-0	45.05	10.00	187.70	45°	F	CG
					EIS-5235	1-12552-100-3	46.10	10.00	189.40	45°	F	CG
ELF NPR NPS	07 ~	4JJ1 4JK1	4	IN	IIS-0236	8-97309-675-1 8-98016-973-0	33.00	7.00	107.50	45°	F	CG
				EX	EIS-5236	8-97309-677-1 8-98016-974-1	30.00	7.00	107.0	45°	F	CG



MAZDA

VEHICLE MODEL	Year	ENGINE TYPE	CYL No.	IN EX	DOKURO No.	REFERENCE No.	Head Dia.	Stem Dia.	Overall Lenght	Seat Avgle	Head Style	Stem End
PROCEED 1500CC BUG61/DUC	60 ~	UA	4	IN	IMZ-0251	0107-12-111	37.50	9.10	114.50	45°	ST	CG
				EX	EMZ-5251	0107-12-121	30.00	9.00	115.00	45°	ST	CG
FAMILIA(323) 1500CC	66 ~	UB	4	IN	IMZ-0252	0222-12-111	3800	8.00	107.80	45°	ST	CG
		UC		EX	EMZ-5252	0222-12-121/A	32.00	8.00	106.40	45°	F	CG
FAMILIA(323) 1000CC BONGO(E1000) SPA/FPA	68 ~	PB	4	IN	IMZ-0254	0249-12-111/A 0259-12-111	31.90	7.00	107.80	45°	ST	CG
				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	4	IN	IMZ-0255	0268-12-111/A	34.00	7.10	108.00	45°	ST	CG
		TB		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 BD/FA/ST/BTA SS	70 ~	TC	4	IN	IMZ-0257	0324-12-111/A	36.00	8.00	105.50	45°	ST	CG
	78 ~	UC				E301-12-111						
	80 ~	E3				E501-12-111						
	80 ~	E5		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 LUCE(929) COSMO(121) 1600CC T2000/B2000 B1600/E1600 B1800/B1800 COURIER	77 ~	MA	4	IN	IMZ-0258	0290-12-111	42.00	8.10	108.40	45°	ST	CG
	69 ~	VB				0453-23-255						
		VC				D27Z-6507A						
	70 ~	NA		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
LUCE DIESEL 2200CC E2200/B2200 2500CC E2500/T2500 4000CC T4100	79 ~	S2	4	IN	IMZ-0259	0636-12-111	40.50	8.00	114.50	45°	F	CG
	67 ~	XA	6	EX	EMZ-5259	0636-12-121	35.50	8.00	114.50	45°	F	CG
	72 ~	ZB			EMZ-5266	0527-12-121	36.00	8.00	114.70	60°	F	CG



MAZDA

VEHICLE MODEL	Year	ENGINE TYPE	CYL No.	IN EX	DOKURO No.	REFERENCE No.	Head Dia.	Stem Dia.	Overall Lenght	Seat Avgle	Head Style	Stem End
E2000 2000CC	71 ~	VA	4	IN	IMZ-0260	0552-12-111	39.50	8.00	112.50	45°	ST	CG
T2000				EX	EMZ-5260	0552-12-121/A	30.00	8.00	112.50	45°	F	CG
E3000 3000CC	77 ~	HA	4	IN	IMZ-0263	SE01-12-111	45.00	9.00	114.60	45°	F	CG
T3000				EX	EMZ-5263	SE01-12-121	37.40	9.00	114.60	60°	F	CG
E2000 FORD 2300CC	77 ~	WA	4	IN	IMZ-0264	D6FZ-6507A	44.10	8.70	121.80	45°	ST	4CG
E2300 USA ONLY				EX	EMZ-5264	D9ZZ-6507A D6FZ-6505A	38.10	8.70	122.20	45°	ST	4CG
CAPELLA(626) 1800CC	82 ~	F8	4	IN	IMZ-0275	F801-12-111/A	44.00	8.00	112.00	45°	ST	CG
TELSTAR 2000CC	84 ~	FE										
BONGO(E2000)				EX	EMZ-5275	F801-12-121/A	36.00	8.00	111.70	45°	ST	CG
LUCE(929)						F804-12-121/A						
CAPELLA(626) 1600CC	82 ~	F6	4	IN	IMZ-0277	F601-12-111/A	41.00	8.00	112.00	45°	ST	CG
TELSTAR				EX	EMZ-5277	F601-12-121 F604-12-121 F606-12-121	34.00	8.00	111.80	45°	F	CG
BONGO 2200CC	83 ~	R2	4	IN	IMZ-0278	RF01-12-111	41.00	8.00	107.00	45°	F	CG
CAPELLA 2000CC	83 ~	RF		EX	EMZ-5278	RF01-12-121/B	36.00	8.00	106.80	45°	ST	CG
FAMILIA(323) 1100CC	89 ~	B1	4	IN	IMZ-0279	B660-12-111	31.00	6.00	105.30	45°	ST	CG
LASER 1300CC		B3										
FESTIVA(121)				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	45°	F	CG
FAMILIA(323) 1300CC	89 ~	E3	4	IN	IMZ-0282	E5D3-12-111	36.00	8.00	108.50	45°	F	CG
LASER 1500CC	89 ~	E5		EX	EMZ-5282	E358-12-121 E5D3-12-121	31.00	8.00	106.50	45°	F	CG
FAMILIA(323) 1500CC	89 ~	B5	4	IN	IMZ-0283	B630-12-111	38.00	7.00	103.90	45°		CG
LASER 1600CC	89 ~	B6		EX	EMZ-5283	B630-12-121	32.00	7.00	102.70	45°	ST	CG
without TURBO		⑩										
FAMILIA(323) 1500CC	89 ~	B5	4	IN	IMZ-0284	B6S7-12-111	31.00	6.00	105.50	45°	ST	CG
LASER 1600CC	89 ~	B6				B695-12-111						
with TURBO		⑩		EX	EMZ-5284	B695-12-121 BJ01-12-121	26.20	6.00	105.50	45°	ST	CG



MAZDA

VEHICLE MODEL	Year	ENGINE TYPE	CYL No.	IN EX	DOKURO No.	REFERENCE No.	Head Dia.	Stem Dia.	Overall Lenght	Seat Avgle	Head Style	Stem End
CAPELLA(626) 2200CC LUCE(929) MX-9 PROBE	90 ~	F2	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
		IN-⑧ EX-④										
LUCE(929) 3000CC MPV	90 ~	JE	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
		②④										
BT-50 2600CC B2600	90 ~	G6	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 ~	B3	4	IN	IMZ-0290	B301-12-111 MB301-12-111 B308-12-111	32.00	7.00	105.30	45°	ST	CG
				EX	EMZ-5290	B301-12-121 B313-12-121	28.00	7.00	104.30	45°	ST	CG
		⑩										
KIA PRIDE	90 ~	B3 ⑩	4	IN	IMZ-0290	KK153-12-111	32.00	7.00	105.30	45°	ST	CG
				EX	EMZ-5291	KK150-12-121	28.00	7.00	104.20	45°	ST	CG
FAMILIA(323) 1600CC LASER	90 ~	B6	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
		⑩										
CAPELLA 1800CC TELSTAR SOHC 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 1800CC MIATA DOHC ALEGRO	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 1300CC LASER	91 ~	B3	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
		⑩										
YALE			4	IN	IMZ-0297	4786-12-111	44.00	8.00	112.00	60°	ST	CG
				EX	EMZ-5297	4786-12-121	36.00	8.00	111.80	60°	ST	CG
626 2000CC	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 2700CC BESTA	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



MAZDA

VEHICLE MODEL	Year	ENGINE TYPE	CYL No.	IN EX	DOKURO No.	REFERENCE No.	Head Dia.	Stem Dia.	Overall Lenght	Seat Avgle	Head Style	Stem End
MS-6 2200CC	92 ~	FS	4	IN	IMZ-0302	FS01-12-111	31.50	6.00	90.00	45°	ST	CG
626		⑯		EX	EMZ-5302	FS01-12-121 FS05-12-121	27.60	6.00	90.00	45°	ST	CG
T4000 4000CC	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 2500CC	96 ~	WL	4	IN	IMZ-0304	WL01-12-111	32.70	7.00	111.90	45°	ST	CG
B2500		W9				WL51-12-111						
E2900 2900CC		IN-⑧ EX-④		EX	EMZ-5304	WL01-12-121 WL51-12-121	35.00	7.00	111.90	45°	ST	CG
MX-5 2500CC	91 ~	KL	V6	IN	IMZ-0306	KL01-12-111	32.00	6.00	94.30	45°	ST	CG
MS-8 DOKC		⑳		EX	EMZ-5307	KL01-12-121	27.60	6.00	95.20	45°	ST	CG
323 1700CC	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
323 PROSTAGE 1500CC	95 ~	Z5	4	IN	IMZ-0313	Z501-12-111	27.70	5.50	92.20	45°	ST	CG
		⑯		EX	EMZ-5313	Z501-12-121	24.00	5.50	92.80	45°	ST	CG
B2000 2000CC	87 ~	RF-T	4	IN	IMZ-0315	RF71-12-111	39.40	8.00	106.80	45°	ST	CG
FAMILIA VAN												
BONGO WAGON				EX	EMZ-5315	RF71-12-121	35.10	8.00	106.80	45°	ST	CG
DIESEL TURBO												
323 1300CC	96 ~	B3ZE	4	IN	IMZ-0318	B366-12-111	25.50	6.00	103.90	45°	ST	CG
LASER												
BHA3P		⑯		EX	EMZ-5318	B366-12-121	21.50	6.00	105.00	45°	ST	CG
323 1500CC	98 ~	ZL-VE	4	IN	IMZ-0319	ZL02-12-111	29.20	6.00	91.10	45°	ST	CG
LASER		ZL-DE										
BJ5P		⑯		EX	EMZ-5319	ZL02-12-121	21.90	6.00	90.60	45°	ST	CG
MAZDA 3(AXELA)	02 ~	LF-DE	4	IN	IMZ-0323	LF01-12-111	35.00	5.50	103.50	45°	ST	CG
MAZDA 5(PREMACY)												
MAZDA 6(ATENZA)				EX	EMZ-5323	LF02-12-121C	30.00	5.50	104.70	45°	ST	CG
2000CC		⑯										
323DIESEL 2000CC		RF-T	4	IN	IMZ-0324	RF2A-12-111	29.60	6.00	115.25	45°	ST	CG
626DIESEL	98 ~	RF		EX	EMZ-5324	RF2A-12-121	25.50	6.00	114.60	45°	ST	CG
EURO		⑯				RF5C-12-121						
MAZDA 2(DEMIO)		ZY-VE	4	IN	IMZ-0325	ZY01-12-111	29.20	5.50	97.20	45°	ST	CG
	02 ~	⑯		EX	EMZ-5325	ZY01-12-121	25.90	5.50	96.70	45°	ST	CG
BT50		WL-C	4	IN	IMZ-0327	WE01-12-111	31.00	6.00	112.00	45°	ST	CG
		⑯		EX	EMZ-5327	WE01-12-121	28.00	6.00	112.00	45°	ST	CG



MAZDA

VEHICLE MODEL	Year	ENGINE TYPE	CYL No.	IN EX	DOKURO No.	REFERENCE No.	Head Dia.	Stem Dia.	Overall Lenght	Seat Avgle	Head Style	Stem End
TRIBUTE FORD ESCAPE		YF-DE	4	IN	IMZ-0328	YF09-12-111	32.00	6.00	97.20	45°	F	CG
				EX	EMZ-5328	YF09-12-121	28.00	6.00	96.40	45°	F	CG
ESCAPE	01 ~	AJ	4	IN	IMZ-0329	ZZC1-12-111	35.00	6.00	114.60		F	2CG
				EX	EMZ-5329	ZZC1-12-121	30.00	6.00	115.50		F	2CG
MAZDA3 MAZDA6 MAZDA8(MPV)	02 ~	L3 ⑩	V6	IN	IMZ-0330	L3K9-12-111	35.00	6.00	103.40		F	CG
				EX	EMZ-5330	L3K9-12-121	30.00	6.00	104.70		F	CG
						L3K9-12-121D						
CX-5		PE ⑩	4	IN	IMZ-0331	PE01-12-111	33.20	5.50	106.80		F	CG
				EX	EMZ-5331	PE01-12-121	28.00	5.50	116.90		F	CG
FORD RANGER BT-50	13 ~	MZ-CD	4	IN	IMZ-0332	U202-12-111	29.80	7.00	122.10		ST	CG
				EX	EMZ-5332	U202-12-121	25.80	7.00	121.85		ST	CG
BT-50 DEVELOPMENT	15 ~		4	IN		L569-12-111						
				EX		L567-12-121						



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VEHICLE MODEL	Year	ENGINE TYPE	CYL No.	IN EX	DOKURO No.	REFERENCE No.	Head Dia.	Stem Dia.	Overall Lenght	Seat Avgle	Head Style	Stem End
GALANT 1600CC	75 ~	4G32	4	IN	IMB-0302	MD000480	38.00	8.00	106.00	45°	ST	MG
ARROW 1400CC		4G33				MD064871						
COLT/LANCER		4G35		EX	EMB-5302	MD000481	31.00	8.00	102.50	45°	F	MG
		4G36				MD002481						
A53/L021/A55/A75/T22						MD007783						
GALANT 1850CC	73 ~	4G51	4	IN	IMB-0303	MD020580	43.00	8.00	112.80	45°	ST	NG
CANTER 2000CC	73 ~	4G52				MD024523						
ROSA/L200 2400CC	75 ~	4G53				MD040791						
	1800CC 80 ~	4G62		EX	EMB-5303	MD020581	35.00	8.00	111.70	45°	F	NG
	2000CC 80 ~	4G63				MD020583						
						MD020586						
						MD020587						
T21/FG30/E15A/33						MD020588						
A114/122/132/163						MD020589						
A57/115/123/133/L022						MD024586						
LANCER 1400CC	71 ~	4G41	4	IN	IMB-0304	MD010480	37.00	8.00	100.60	45°	F	NG
GALANT 1200CC	73 ~	4G42		EX	EMB-5304	MD010481	29.00	8.00	100.90	45°	F	NG
DELICA(L300)												
A61/TT120/121/FG14/15												
LANCER/MIRAGE 1200CC	77 ~	G11	4	IN	IMB-0305	MD016460	34.00	6.60	102.00	45°	ST	CG
TREDIA/CORDIA 1400CC	78 ~	G12				MD003787						
COLT 1300CC	83 ~	G13				22211-21010						
PROTON-SAGA 1500CC	83 ~	G15		EX	EMB-5305	MD016461	30.10	6.60	101.00	45°	F	CG
A141/148/151/155/171						MD003788						
A142/149/156/171						22212-21010						
C11/12												
CANTER/ROSA 2700CC	70 ~	4DR5	4	IN	IMB-0306	31304-00100	41.00	8.00	124.00	45°	ST	NG
JUPITER/JEEP 4000CC	70 ~	6DR5	6			ME001115						
TRUCK						ME001114						
				EX	EMB-5306	31304-01101	32.00	8.00	124.20	45°	F	NG
						31304-01103						
FB100/T44/B13#/B360						ME001116						
J24/36/44/J53						ME001143						



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VEHICLE MODEL	Year	ENGINE TYPE	CYL No.	IN EX	DOKURO No.	REFERENCE No.	Head Dia.	Stem Dia.	Overall Lenght	Seat Avgle	Head Style	Stem End
TRUCK 4700CC	64 ~	6DS1	4	IN	IMB-0307	30804-00100	46.00	9.00	137.00	45°	F	CG
BUS 5100CC	72 ~	6DS3	6			ME02036						
5000CC	69 ~	6DS5				ME023881						
5400CC	72 ~	6DS7		EX	EMB-5307	30804-01100/1	37.00	9.00	137.00	45°	F	MG
		4D30				ME021039						
		4D32				ME023882						
		4D34T										
T62#/63#/65#												
FK102/B62#												
TRUCK 10000CC	68 ~	6DC2	6	IN	IMB-0308	31104-00101	62.00	12.00	174.50	45°	F	MG
BUS 13000CC		8DC2	8			31204-01201						
18000CC		10DC6	10			ME061546						
				EX	EMB-5308	31104-01103	50.00	12.00	175.00	45°	F	MG
						31204-70200						
						31204-71101						
						ME051064						
T800/900/FP												
FV/K300												
B800/MS504												
CANTER 1500CC	62 ~	4DQ3	4	IN	IMB-0309	30604-00100	40.00	8.00	118.00	45°	F	NG
2000CC	68 ~	4DQ5				30604-00102						
2700CC	68 ~	4DR1		EX	EMB-5309	30604-01101	31.00	8.00	118.00	45°	F	NG
						30604-01103						
T720/T90/92/94												
CANTER 2600CC	70 ~	KE42	4	IN	IMB-0310	MD014560	43.00	8.70	108.70	45°	F	NG
ROSA		KE47		EX	EMB-5310	MD014565	33.00	8.70	108.70	45°	F	NG
TRUCK 6000CC	74 ~	6D10	4	IN	IMB-0311	ME031297	47.00	9.00	137.00	45°	F	NG
BUS 6700CC	74 ~	6D11	6			ME031938						
6600CC	75 ~	6D14T				ME013863						
		6D16T				ME170314						
		4D30		EX	EMB-5311	ME031154	40.00	9.00	137.10	45°	F	NG
		4D33				ME031940						
						ME013833						
						ME170337						
T654/FK103/104												
MM504/MK103												
TRUCK 8600CC	65 ~	6DB1	4	IN	IMB-0312	30004-23101	53.00	12.00	176.50	45°	F	MG
BUS 11400CC		6DB6	6			30004-23103						
		8DB	8	EX	EMB-5312	30004-31101	45.00	12.00	176.50	45°	F	MG
		4D31T				30004-35101						
						30004-35103						
						30004-31201						
T330/480												
4K100/120												
B820/MR410												



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VEHICLE MODEL	Year	ENGINE TYPE	CYL No.	IN EX	DOKURO No.	REFERENCE No.	Head Dia.	Stem Dia.	Overall Lenght	Seat Avgle	Head Style	Stem End
CANTER	3300CC	78 ~	4	IN	IMB-0313	ME011244	44.00	9.00	137.10	45°	F	NG
TRUCK	3300CC	78 ~	6			ME011265						
	5400CC	72 ~				ME029006						
						ME013810						
FE111/121/211/301				EX	EMB-5313	ME011245	37.00	9.00	137.10	45°	F	NG
T652/653/B623						ME011266						
						ME029007						
						ME013832						
						ME220217						
TRUCK	10000CC	67 ~	6	IN	IMB-0314	ME051063	55.10	12.00	174.80	45°	F	MG
BUS	10000CC	79 ~				30904-00302						
	11100CC	79 ~				30904-00401						
						ME051696						
MP117/FP117				EX	EMB-5308	31104-01103	50.00	12.00	175.00	45°	F	MG
						31204-70200						
						31204-71101						
						ME051064						
						ME051567						
						ME051697						
TRUCK	6900CC	79 ~	6	IN	IMB-0315	ME031937	49.00	9.00	137.00	45°	FR	NG
BUS			4			ME031557						
				EX	EMB-5315	ME031939	42.00	9.00	137.20	45°	FR	NG
FK/FM						ME031558						
TRUCK	14000CC	76 ~	8	IN	IMB-0316	ME061545	59.00	12.00	174.60	45°	FR	NG
BUS	15000CC	76 ~				31204-30200						
	16000CC	79 ~				ME091558						
	18600CC	72 ~	10	EX	EMB-5316	ME061547	53.00	12.00	175.30	45°	FR	NG
FP/FR/FT/FU/FV						ME065587						
NV/B/MS						31204-31200						
						ME091559						
DEBONAIR	2600CC	76 ~	4	IN	IMB-0318	MD024518	46.00	8.00	110.20	45°	T	NG
SAPPRO						MD024638						
GALANT												
L200/CANTER				EX	EMB-5318	MD024519	38.00	8.00	108.10	45°	FR	NG
A165A/K33T/FC312						MD024548						



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VEHICLE MODEL	Year	ENGINE TYPE	CYL No.	IN EX	DOKURO No.	REFERENCE No.	Head Dia.	Stem Dia.	Overall Lenght	Seat Avgle	Head Style	Stem End
GALANT 1800CC PAJERO/MONTERO LANCER 2000CC CORDIA/TREDIA SPACE WAGON L200/L300 STARION E13/L035/A163/183	85 ~	4G62 4G63	4	IN	IMB-0319	MD070691	43.00	8.00	110.10	45°	ST	CG
				EX	EMB-5319	MD070694	35.00	8.00	108.80	45°	F	CG
						MD070693						
CANTER 2400CC L200/300 PAJERO/MONTERO CANTER L028/L038/L043/048 FB433	80 ~	4D55	4	IN	IMB-0320	MD050100	40.00	8.00	136.50	45°	F	NG
						MD050552						
				EX	EMB-5320	MD050101	34.00	8.00	136.50	45°	F	NG
COLT/LANCER 1800CC GALANT SPACE WAGON C14A/54A/64A E14/34/D09W	84 ~	4D65	4	IN	IMB-0321	MD070767	36.00	8.00	118.60	45°	F	CG
						MD130156						
				EX	EMB-5321	MD070769/8	32.00	8.00	119.10	45°	F	CG
						MD072481						
						MD080778						
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
GALANT 1800CC COLT SPACE WAGON TREDIA/CORDIA E12/32A/A215 C77/D05V	83 ~	G37B 4G37	4	IN	IMB-0328	MD069806	42.00	8.00	98.30	45°	ST	CG
						MD080780						
				EX	EMB-5328	MD070791	34.00	8.00	95.50	45°	F	CG
GALANT 2600CC PAJERO/MONTERO L200/L300 K33T/L042G/47G	83 ~	G54B	4	IN	IMB-0333	MD083848	46.00	8.00	108.20	45°	ST	CG
						MD083849						
				EX	EMB-5333	MD083850	38.00	8.00	106.10	45°	FR	CG
						MD083851						
						MD092999						
						MD094619						



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VEHICLE MODEL	Year	ENGINE TYPE	CYL No.	IN EX	DOKURO No.	REFERENCE No.	Head Dia.	Stem Dia.	Overall Lenght	Seat Avgle	Head Style	Stem End
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
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 ⑩	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	4	IN	IMB-0348	MD074628 22211-24504	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	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
LANCER 1600CC SPACE WAGON 1800CC PROTON WIRA	91 ~	4G92 4G93 ⑩	4	IN	IMB-0351	MD162422	30.00	6.00	110.20	45°	ST	CG
				EX	EMB-5351	MD162616 MD162423	27.00	6.00	113.70	45°	ST	CG
GALANT 2400CC PAJERO V31	98 ~	4G64 ⑩	4	IN	IMB-0352	MD159502 MD301193 MD303176	33.00	6.00	112.20	45°	F	CG
				EX	EMB-5352	MD197106 MD199193 MD306183 MD310465 MD197097 MD303177	29.00	6.00	114.30	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 Lenght	Seat Avgle	Head Style	Stem End
CANTER ROSA	2700CC 73 ~	4DR	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 DIESEL LANCER COLT	2000CC 92 ~	4D68 4D65	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	60°	F	NG
				EX	EMB-5360	32A04-11100 32A04-01100 32A04-21100	35.00	8.00	120.20	60°	F	NG
PAJERO/ MONTERO 3000GT L146G/V25/45	3000CC	6G72	V6	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 97 ~	4M40	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
WIRA LANCER	1500CC 1800CC 2000CC	4G91 4G93 4G94 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	3000CC 90 ~	6G72	V6	IN	IMB-0367	MD094396 MD106093	36.00	8.00	104.80	45°	F	CG
				EX	EMB-5367	MD094397 MD106094	31.00	8.00	104.20	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 Lenght	Seat Avgle	Head Style	Stem End
PAJERO HYUNDAI TERRACAN		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 MD373237	34.00	8.00	130.00	45°	F	CG
FORKLIFT		S4E	4	IN	IMB-0325	34404-00100	42.00	8.00	133.00	45°	F	CG
				EX	EMB-5325	34404-01100	35.00	8.00	133.00	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 2500CC STARWAGON	96 ~	6G73 (24)	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
GALANT 2000CC		6A12 (24)	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
CANTER		4D35	4	IN	IMB-0377	ME017145	49.00	9.00	137.00	45°	F	MG
				EX	EMB-5377	ME012557 ME220218	42.00	9.00	137.00	45°	F	MG
LANCER C33A		4G18 (16)	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
HEAVY IND		S6F	6	IN	IMB-0379	36704-00401 36704-00400	44.00	8.00	134.20	45°	F	NG
				EX	EMB-5379	36704-01601	37.00	8.00	134.00	45°	F	NG
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°	F	MG
TOPPO BJ 1100CC PAJERO JR JUARA	99 ~	4A31 (16)	4	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°	ST	CG
EMERUDE 1800CC PROTON	92 ~	6A11 (24)	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°	ST	CG



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VEHICLE MODEL	Year	ENGINE TYPE	CYL No.	IN EX	DOKURO No.	REFERENCE No.	Head Dia.	Stem Dia.	Overall Lenght	Seat Avgle	Head Style	Stem End
LANCER 1600CC MIRAGE PROTON PAJERO io	91 ~	4G92 ⑮	4	IN	IMB-0385	MD196745	33.00	6.00	115.70	45°	ST	CG
						MD198570						
						MD199615						
				EX	EMB-5385	MD199616	28.00	6.00	115.00	45°	ST	CG
						MD193033						
		MD198732										
TRUCK 8200CC FK	93 ~	6D17	6	IN	IMB-0387	ME170313	51.00	9.00	137.00	45°	F	MG
						ME071556						
				EX	EMB-5387	ME170315	44.00	9.00	137.00	45°	F	MG
						ME071961						
FORKLIFT		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°	F	2CG
MIRAGE 1600CC LANCER PROTON SATRIA		6A10 ⑳	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°	ST	CG
MIRAGE LANCER		4G13 16V ⑮	4	IN	IMB-0391	MD342090	27.00	5.50	111.60	45°	ST	CG
				EX	EMB-5391	MD361965	23.45	5.50	114.70	45°	ST	CG
						MD342091						
CAT.		S6A2	6	IN	IMB-0392	32504-00200	54.00	10.00	180.20	60°	F	2CG
				EX	EMB-5392	32504-11201 32504-01200	50.00	10.00	180.00	60°	F	2CG
CAT.		S6A2	6	IN	IMB-0393	32504-00100	47.90	10.00	180.00	45°	F	CG
				EX	EMB-5393	32504-11102 33704-11102	44.00	10.00	180.10	45°	F	CG
PAJERO 3200CC L400 MONTERO	99 ~	4M41	4	IN	IMB-0394	ME203101	33.00	6.50	115.60	45°	F	CG
						1010A203						
				EX	EMB-5394	ME203102 1011A156 1011A351	31.00	6.50	115.48	45	F	CG
PROTON JUARA 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°	ST	CG
LANCER		4G15 16V ⑮	4	IN	IMB-0403	MD202944	27.00	6.60	100.90	45°	ST	CG
				EX	EMB-5403	MD202945	32.00	6.60	101.50	45°	ST	CG
PAJERO/MONTERO DELICA		4D56N	4	IN	IMB-0404	MD321271	40.00	8.00	130.20	45°	F	CG
				EX	EMB-5404	MD321273	34.00	8.00	129.90	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 Lenght	Seat Avgle	Head Style	Stem End
TRUCK BUS		8M20	V8	IN	IMB-0405	ME160062	50.00	10.00	185.30	45°	F	MG
				EX	EMB-5380	ME350711	46.00	10.00	185.50	45°	F	MG
GALANT LEGNUM DIAMANTE		6A13 (24)	6	IN	IMB-0408	MD321007	28.45	6.00	113.10	45°	ST	CG
				EX	EMB-5408	MD340632	25.00	6.00	115.30	45°	ST	CG
PAJERO/MONTERO DELICA CHALLENGER		4M40	4	IN	IMB-0412	ME201705	41.00	8.00	108.60	45°	F	CG
				EX	EMB-5412	ME201706	35.00	8.00	108.30	45°	F	CG
CANTER		4M42	4	IN	IMB-0413	ME190286	29.95	6.60	115.40	45°	F	CG
				EX	EMB-5413	ME190287	27.95	6.60	115.50	45°	F	CG
GALANT		4G63 GD1 (16)	4	IN	IMB-0415	MD348769	34.00	6.60	105.60	45°	ST	CG
				EX	EMB-5415	MD348770	30.50	6.60	105.70	45°	ST	CG
PAJERO/MONTERO DELICA		4D56 16V (16)	4	IN	IMB-0417	MN176597 1010A306	31.50	6.00	107.60	45°	F	CG
				EX	EMB-5417	MN176598 1011A333	27.50	6.00	108.00	45°	F	CG
GALANT PAJERO/MONTERO	06~	6G75 (24)	6	IN	IMB-0422	MD373888	36.50	6.00	110.30	45°	ST	CG
				EX	EMB-5422	MD373855	32.00	6.00	112.10	45°	ST	CG
GRANDIS AIRTREK/OUTLANDER	03~	4G69 (16)	4	IN	IMB-0423	MR994497	33.95	6.00	113.00	45°	ST	CG
				EX	EMB-5423	MR99498	30.50	6.00	113.55	45°	ST	CG
OUTLANDER GALANT		4B11/12 (16)	4	IN	IMB-0424	1010A243	35.00	5.50	113.10	45°	ST	CG
				EX	EMB-5424	1011A178	28.95	5.50	105.90	45°	F	CG
LANCER		4G15 16V (16)	4	IN	IMB-0425	MD357503	29.95	5.50	105.85	45°	ST	CG
				EX	EMB-5425	MD360462	25.00	5.50	107.10	45°	ST	CG
FK619 TRUCK BUS		6D17 24V (24)	6	IN	IMB-0426	ME072980 ME071960	40.00	8.00	128.10	45°	F	NG
				EX	EMB-5426	ME072981 ME072982 ME071963	40.00	8.00	128.00	45°	F	NG
CANTER		4M51	4	IN	IMB-0427	ME240460	36.00	8.00	141.50	45°	F	MG
				EX	EMB-5427	ME240461	36.00	8.00	141.40	45°	F	MG
CANTER		4M51	4	IN	IMB-0428	ME240748	40.00	8.00	141.60	45°	F	MG
		6M50	6	EX	EMB-5427	ME240461	36.00	8.00	141.50	45°	F	MG
		6M60	6									
OUTLANDER GALANT PAJERO	05~	6B31 (24)	V6	IN	IMB-0429	1010A138	35.00	6.00	111.85	45°	ST	CG
				EX	EMB-5429	1011A086	29.50	6.00	114.05	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 Lenght	Seat Avgle	Head Style	Stem End
PAJERO MONTERO GALANT	03~	6G75 (24)	V6	IN	IMB-0430	MN163799	36.50	6.00	109.35	45°	ST	CG
				EX	EMB-5430	MN163286	32.00	6.00	113.50	45°	ST	CG
MIRAGE MIRAGE G4	12~	3A90 (12)	3	IN	IMB-0434	1010A183	30.45	5.00	87.25	45°	F	CG
				EX	EMB-5434	1011A354	25.45	5.00	88.55	45°	F	CG
XPANDER INDONESIA MALAYSIA	17~	4A91 (16)	4	IN	IMB-0437	1010A396	30.50	5.00	87.25	45°	F	CG
				EX	EMB-5437	1011A327	35.55	5.00	88.55	45°	F	CG
L200 TRITON DELICA	16~	4N14 4N15 (16)	4	IN	IMB-0438	1010A452	30.50	6.00	121.60	45°	ST	2CG
				IN	EMB-5438	1011A401	26.00	6.00	113.00	45°	ST	2CG



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VEHICLE MODEL	Year	ENGINE TYPE	CYL No.	IN EX	DOKURO No.	REFERENCE No.	Head Dia.	Stem Dia.	Overall Lenght	Seat Avgle	Head Style	Stem End
SUNNY 120Y 1000CC CHERRY 100A 1200CC PULSAR 120A	78 ~	A10 A12	4	IN	INS-0401	13201-H1000 -H2300 -18000	35.00	8.00	103.80	45°	ST	NG
B10/B110/210/310 F10/N10/11				EX	ENS-5401	13202-H1000 -H2300 -H7400 -18000	29.00	8.00	103.80	45°	ST	NG
SUNNY 140Y 1400CC PULSAR 140A VIOLET 140J	76 ~	A14	4	IN	INS-0402	13201-H6200	37.00	8.00	103.80	45°	ST	NG
B210/310 N10/710/A10				EX	ENS-5402	13202-H6200 -H8900	30.00	8.00	103.80	45°	ST	NG
SUNNY 150Y 1500CC PULSAR 150A	80 ~	A15	4	IN	INS-0403	13201-H9500	35.00	8.00	100.00	45°	ST	NG
B310/N12				EX	ENS-5403	13202-H9500	30.00	8.00	100.00	45°	ST	NG
STANZA 1600CC	82 ~	CA16	4	IN	INS-0434	13201-D0100	38.00	7.00	106.70	45°	ST	MG
BLUEBIRD 1800CC	82 ~	CA18	4	IN	INS-0405	13201-D0200	40.00	7.00	106.90	45°	ST	MG
SILVIA 2000CC												
LAUREL	84 ~	CA20	4	IN	INS-0452	13201-D2000	41.00	7.00	107.10	45°	ST	MG
T12/B11/S12/C32	84 ~	CA16 CA18 CA20		EX	ENS-5405	13202-D0100 -D0200 -D1200	35.00	7.00	108.10	45°	ST	MG
BLUEBIRD 1800CC	84 ~	CA18T	4	IN	INS-0451	13201-17F00/1	41.00	7.00	105.80	45°	ST	NG
SILVIA with TURBO				EX	ENS-5451	13202-17F00 -18F00	35.00	7.00	106.70	45°	ST	MG
U11/S12												
EUROPE ONLY		CA18T	4	EX	ENS-5452	13202-22F00	35.00	7.00	107.00	45°	FR	MG
SUNNY/PULSAR 1600CC	87 ~	CA16D	4	IN	INS-0458	13201-55M01 -55M10	31.00	6.00	89.20	45°	ST	CG
B12/N13		⑩		EX	ENS-5458	13202-D4200/1	28.10	6.00	89.30	45°	F	CG
SUNNY/PULSAR 1800CC	87 ~	CA18D	4	IN	INS-0462	13201-51E10	34.00	6.00	89.00	45°	ST	CG
BLUEBIRD 1600CC		CA16DE			INS-0497	13201-64M10	31.00	6.00	89.20	45°	ST	CG
B12/N13/U11/12		⑩		EX	ENS-5462	13202-64M10	28.00	6.00	89.50			CG
MARCH 1000/1300CC MICRA	91 ~	CG10 CG13 CR100DE CR120DE CR140DE	4	IN	INS-0515	13201-41B00 -AN200	27.50	5.50	95.75	45°	ST	CG
				EX	ENS-5515	13202-41B00 -AN200	22.55	5.50	95.80	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 Lenght	Seat Avgle	Head Style	Stem End	
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	31.00	7.00	101.00	45°	F	MG	
AVENIR 2000CC SENTRA	85 ~	CD20	4	IN	INS-0484	13201-57J02	39.20	7.00	100.70	45°	F	NG	
				EX	ENS-5484	13202-57J02	32.20	7.00	100.70	45°	F	NG	
SERENA 2000CC LARGO	93 ~	CD20	4	IN	INS-0487	13201-60J02	39.10	7.00	99.80	45°	F	NG	
		CD20T		EX	ENS-5487	13202-60J02	32.10	7.00	99.60	45°	F	NG	
SUNNY/PULSAR 1000CC SENTRA B11/12/13	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 1300CC PRARIE 1500CC SENTRA B11/12/13 N10/12/13/M10	81 ~	E13	4	IN	INS-0404	13201-01M00	37.00	7.00	118.80	45°	ST	NG	
	81 ~	E15											
				EX	ENS-5404	13202-01M00	30.00	7.00	118.20	45°	ST	NG	
SUNNY 1500CC SENTRA PULSAR B12/13 N12/13	81 ~	E15E	4										
				EX	ENS-5433	13202-15M00	31.00	7.00	120.00	45°	ST	NG	
SUNNY 1600CC SENTRA PULSAR B11/12/13 N12/13	84 ~	E16	4	IN	INS-0444	13201-31M00	37.00	7.00	116.70	45°	ST	NG	
				EX	ENS-5444	13202-31M00	30.00	7.00	116.00	45°	ST	NG	
CABALL 3000CC CLIPPER CIVILIAN C340	73 ~	BD30	4	IN	INS-0430	13201-J2000	45.00	9.00	129.70	60°	F	NG	
						-J2001							
				EX	ENS-5430	13202-J2000	36.00	9.00	130.00	45°	F	CG	
CONDOR 3300CC CABALL 5700CC CIVILIAN M40/G341/W40	80 ~	ED33	4	IN	INS-0429	13201-Z5000	47.00	9.00	129.50	60°	F	CG	
	83 ~	FD33	6			-T9000							
	75 ~	FD6		EX	ENS-5429	13202-Z5000	38.00	9.00	130.00	45°	F	CG	
	83 ~	PD6				-Z5001							
						-T9000							



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VEHICLE MODEL	Year	ENGINE TYPE	CYL No.	IN EX	DOKURO No.	REFERENCE No.	Head Dia.	Stem Dia.	Overall Lenght	Seat Avgle	Head Style	Stem End
ATLAS 3500CC	89 ~	FD35	4	IN	INS-0485	13201-01T00	48.50	9.00	129.50	45°	F	CG
CABALL				EX	ENS-5485	13202-01T00	39.50	9.00	130.00	45°	F	CG
ATLAS 4600CC	92 ~	FD46	4	IN	INS-0506	13201-0T000	48.50	9.00	129.00	45°	F	CG
CONDOR				EX	ENS-5506	13202-17D00	39.50	9.00	130.00	45°	F	CG
TRUCK 7000CC	97 ~	FE6B	6	IN	INS-0471	13201-Z5501	48.50	9.00	130.70	60°	F	CG
		FE6T	4			-Z5507						
		FD35				-Z5505						
				EX	ENS-5471	13202-Z5502	39.80	9.00	131.00	45°	ST	CG
						-Z5510						
						-Z5506						
CL/CM						-Z5507						
SKYLINE 2000CC	82 ~	FJ20	4	IN	INS-0435	13201-R2000	34.50	7.00	125.20	45°	F	NG/MG
SILVIA				EX	ENS-5435	13202-R2000	30.00	7.00	125.20	45°	F	NG/MG
R30/S110												
CONDOR	95 ~	FE6E	6	IN	INS-0476	13201-Z5503	37.00	8.00	146.00	45°	F	CG
BUS						-Z5506						
						-Z5508						
				EX	ENS-5476	13202-Z5504	37.00	8.00	149.00	45°	ST	CG
						-Z5508						
		②④				-Z5509						
SUNNY	90 ~	GA14D	4	IN	INS-0473	13201-73Y00	29.00	5.50	92.30	45°	ST	CG
SENTRA		GA15D				-53Y00						
						-2M200						
				EX	ENS-5468	13202-57Y00	24.00	5.50	92.70	45°	ST	CG
		①⑥				-55Y00						
SUNNY	90 ~	GA16D	4	IN	INS-0468	13201-57Y00	30.00	5.50	92.30	45°	ST	CG
SENTRA						-55Y00						
				EX	ENS-5468	13202-57Y00	24.00	5.50	92.30	45°	ST	CG
		①⑥				-55Y00						
SENTRA 1300CC	90 ~	GA13	4	IN	INS-0474	13201-72Y00	26.50	5.50	92.30	45°	ST	CG
						-50Y00						
				EX	ENS-5474	13202-72Y00	21.50	5.50	92.70	45°	ST	CG
		①⑥				-50Y00						
SUNNY 1400CC	88 ~	GA14	4	IN	INS-0465	13201-88A00	29.10	6.00	113.80	45°	ST	CG
SENTRA		IN-⑧		EX	ENS-5466	13202-87A00	32.00	6.60	116.20	45°	ST	CG
B13/14/N14		EX-④										



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VEHICLE MODEL	Year	ENGINE TYPE	CYL No.	IN EX	DOKURO No.	REFERENCE No.	Head Dia.	Stem Dia.	Overall Lenght	Seat Avgle	Head Style	Stem End
SUNNY SENTRA PULSAR B13/14/N14	88~	GA16	4	IN	INS-0465	13201-88A00	29.10	6.00	113.80	45°	ST	CG
				EX	ENS-5465	13202-88A00/2	33.00	6.60	116.30	45°	ST	CG
		IN-⑧										
		EX-④										
SENTRA 1600CC B13	89 ~	GA16i	4	IN	INS-0457	13201-84A00	29.00	6.00	113.70	45°	ST	CG
		IN-⑧		EX	ENS-5457	13202-84A00	33.00	6.60	116.30	45°	ST	
		EX-④										
PULSAR SUNNY		GA16DE	4	IN	INS-0522	13201-0M200	30.00	5.50	92.30	45°	ST	CG
		⑩		EX	ENS-5509	13202-0M200	25.00	5.50	92.60	45°	F	CG
TRUCK CD/CK/CV/CW	97 ~	GE13T	6	IN	INS-0532	13201-00Z05	46.70	10.00	195.80	60°	F	CG
				EX	ENS-5532	13202-00Z04	45.90	10.00	194.70	45°	ST	
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°	F	CG
				EX	ENS-5410	13202-P0500 -P5100 -78200 -78210	32.00	8.70	110.20	45°	ST	CG
OVER SIZE 0.20MM		H20	4	IN	INS-0442	13201-P0501 -F1801	42.00	8.70	110.20	45°	ST	NG
				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	4	IN	INS-0488	13201-50K00	35.10	7.00	109.70	45°	ST	NG
		H20		EX	ENS-5488	13202-50K00	30.10	7.00	109.20	45°	ST	NG
MICRA/MARCH NOTE TIIDA VERSA NV200		HR15DE	4	IN	INS-0528	13201-ED000 -ED00C	31.10	5.00	101.75	45°	ST	CG
		HR16DE										
		HR12DE		EX	ENS-5528	13202-ED000 -ED00C	25.45	5.00	102.50	45°	ST	CG
		⑩										



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VEHICLE MODEL	Year	ENGINE TYPE	CYL No.	IN EX	DOKURO No.	REFERENCE No.	Head Dia.	Stem Dia.	Overall Lenght	Seat Avgle	Head Style	Stem End
BLUEBIRD 1300CC DATSUN TRUCK	65 ~	J13	6	IN	INS-0406	13201-10600 -20600 -20610	35.00	8.70	109.60	45°	ST	NG
410/510 520/620 P130				EX	ENS-5406	13202-08000 -10600 -20600 -09600 -B3900 -B5900	30.00	8.70	108.80	45°	ST	PG
DATSUN TRUCK 1500CC 1600CC	70 ~ 70 ~	J15 J16	4	IN	INS-0407	13201-73000 -B5100 -B5200 -01W00	38.00	8.70	109.60	45°	ST	PG
520/620				EX	ENS-5407	13202-16700 -01W00 -B5000 -B5100 -B5200	32.00	8.70	109.60	45°	ST	PG
DATSUN TRUCK 1500CC CARAVAN 1600CC	74 ~	J15 J16	4	IN	INS-0431	13201-01W01/3	38.00	8.70	109.60	45°	ST	NG
620/E20				EX	ENS-5431	13202-01W01 -01W03 -01W13	32.00	8.70	109.60	45°	ST	MG
DATSUN 1800CC PICK UP MEXICO KD		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	CG
PICK UP 2400CC SILVIA MAXIMA PRAIRIE D21/S13/U12/M10 MEXICO KD	88 ~	KA24E	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 ~	KA24E ⑩	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	CG
D22 2400CC AX FRONTIER	99 ~	KA24DE ⑩	4	IN	INS-0510	13201-VJ200 -9E000	36.60	7.00	101.40	45°	ST	CG
				EX	ENS-5510	13202-VJ200 -9E000	31.30	7.00	98.95	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 Lenght	Seat Avgle	Head Style	Stem End
D22 2000/2400CC FRONTIER PICK UP	03 ~	KA20DE	4	IN	INS-0521	13201-VJ260	36.60	7.00	101.40	45°	ST	CG
		KA24E		EX	ENS-5521	13202-VJ26A	31.30	7.00	98.90	45°	ST	CG
		Ⓘ6				-VJ260						
FORK LIFT		K21	4	IN	INS-0527	13201-FY500	38.10	7.00	99.20	45°	ST	MG
				EX	ENS-5527	13202-FU400	32.10	7.00	99.25	45°	ST	MG
PLATINA MEXICO KD	03 ~	K4M	4	IN	INS-0512	13201-00QAA	32.70	5.50	109.35	45°	ST	CG
				EX	ENS-5512	13202-00QAA	28.00	5.50	107.65	45°	ST	CG
BLUEBIRD 1300CC	69 ~	L13	4	IN	INS-0408	13201-A3000	38.10	8.00	117.30	45°	ST	NG
VIOLET 140J 1400CC	70 ~	L14	6			-A3500						
LAUREL 200L 2000CC	66 ~	L20				-A3510						
240K/240L 2400CC	75 ~	L24				-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	116.40	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 180B 1800CC	70 ~	L18	6			-N0400/1						
CEDRIC 260C 2000CC	74 ~	L20B				-N7000						
FAIRLADY 260Z 2600CC	72 ~	L26				-23000/3						
200B	67 ~	L16	4	EX	ENS-5408	13202-21003	33.00	8.00	117.40	45°	ST	NG
		L18	4	EX	ENS-5409	13202-N0400/1	35.00	8.00	117.50	45°	ST	NG
620720/910		L20B	6			-N6800/1						
330		L26										
		L28										
CEDRIC 2800CC FAIRLADY with TURBO	80 ~	L28T	6	IN	INS-0427	13201-P7900	44.00	8.00	114.50	45°	ST	NG
		L28E				-P7980						
				EX	ENS-5427	13202-P7900/1	35.10	8.00	115.40	45°	F	NG
430/S130						-07L00						
CEDRIC 2000CC	81 ~	LD20	4	IN	INS-0428	13201-W3400	39.00	8.00	117.00	45°	F	NG
BLUEBIRD 2800CC	81 ~	LD28	6			-V0700						
				EX	ENS-5428	13202-W3400	32.00	8.00	117.20	45°	F	NG
430/U11						-V0701						
BLUEBIRD 2000CC VANETTE	81 ~	LD20	4	IN	INS-0490	13201-05E00	39.40	8.00	118.00	45°	ST	NG
				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	53°	F	NG
SPAIN KD				EX	ENS-5503	13202-9C600/1	33.20	8.00	117.80	45°	F	NG



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VEHICLE MODEL	Year	ENGINE TYPE	CYL No.	IN EX	DOKURO No.	REFERENCE No.	Head Dia.	Stem Dia.	Overall Lenght	Seat Avgle	Head Style	Stem End
MARCH 1000CC	82 ~	MA10	4	IN	INS-0448	13201-01B00	35.00	7.00	110.00	45°	ST	NG
MICRA 1200CC	86 ~	MA12		EX	ENS-5448	13202-01B00	30.00	7.00	109.50	45°	ST	NG
K10/KA10						-10B00						
UD TRUCKS	99 ~ 10	MD92	6	IN	INS-0530	13201-Z6003	43.65	8.00	165.30	45°	F	CG
BUS				EX	ENS-5530	13202-Z600B	40.00	8.00	165.30	45°	F	CG
						-Z6000						
QASHQAI	04 ~	MR16DE	4	IN	INS-0524	13201-EN20A	33.90	5.50	106.30	45°	ST	CG
SERENA		MR18DE				-EN20B						
X-TRAIL		MR20DE		EX	ENS-5524	13202-EN20B	27.75	5.50	105.30	45°	ST	CG
JUKE						-EN200						
CUBE						-EN20A						
						-EN20E						
		16										
PICKUP D22 2000CC	97 ~	NA20	4	IN	INS-0504	13201-3T900	38.10	8.00	122.00	45°	ST	NG
						-27T00						
				EX	ENS-5504	13202-3T900	34.10	8.00	123.50	45°	ST	NG
						-27T00						
						-85G00						
					ENS-5508	13202-67G00	34.10	8.00	123.50	45°	ST	MG
TRUCK 6800CC	69 ~	ND6	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 ~	NE6	6	IN	INS-0477	13201-95005	52.00	10.00	143.00	45°	ST	MG
		NE6T			INS-0470	13201-95006	52.00	10.00	143.80	45°	F	CG
				EX	ENS-5470	13202-95003	43.00	10.00	143.50	45°	F	CG
TRUCK 7000CC	89 ~	NF6T	6	IN	INS-0520	13201-95500	52.00	10.00	157.65	60°	F	CG
CV/CG/XD				EX	ENS-5520	13202-95500	47.00	10.00	157.00	45°	F	CG
TRUCK 10300CC	70 ~	PA6	6	IN	INS-0419	13201-96003	57.50	12.00	158.50	60°	F	CG
11700CC		PD6				-96006						
		PE6				-96007						
						-96028						
						-96125						
					INS-0420	13201-96000-2	57.50	12.00	157.50	45°	F	CG
						-96005						
						-96025 ~ 7						
						-96029						
				EX	ENS-5420	13202-96000 ~ 02	47.00	12.00	158.00	45°	F	CG
						-96007						
						-96025 ~ 27						
CD/CK/CV												



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VEHICLE MODEL	Year	ENGINE TYPE	CYL No.	IN EX	DOKURO No.	REFERENCE No.	Head Dia.	Stem Dia.	Overall Lenght	Seat Avgle	Head Style	Stem End
TRUCK KG/KM/KW		PE6T	6	IN	INS-0478	13201-96008	57.60	12.00	158.60	60°	F	CG
					STRAIGHT TYPE	-96009						
					INS-0523	13201-96008H	57.60	12.00	158.00	60°	F	CG
				EX	ENS-5478	13202-96003	52.00	12.00	158.00	45°	F	CG
						-96004						
					ENS-5481	13202-96005	54.00	12.00	157.70.	45°	F	CG
TRUCK CW/CV EURO-2	94 ~	PF6TC	6	IN	INS-0478	13201-96008	57.60	12.00	158.60	60°	F	CG
		PF6T			STRAIGHT TYPE	-96009						
		PF6TA		EX	ENS-5511	13202-96008	53.80	12.00	157.80	45°	F	CG
						-NC000						
						-96010						
PATROL 4000CC TRUCK 680/60/160	62 ~ 80 ~	P P40	6	IN	INS-0416	13201-58000/1	43.00	8.70	131.50	45°	F	MG
						-C8000/1						
				EX	ENS-5416	13202-58000/2	36.30	8.70	131.50	45°	F	MG
						-C0600						
						-C8000						
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
SENTRA 1300CC AD 1500CC YV11/G10 VY11/GY10/N16	00 ~	QG13DE	4	IN	INS-0509	13201-0M000	26.55	5.50	92.30	45°	ST	CG
		QG15DE		EX	ENS-5509	13202-0M600	25.00	5.50	92.60	45°	ST	CG
		⑯				-0M200						
						-7M610						
SENTRA 1600CC AVENIR 1800CC SYLPHY PRIMELA W11/QG10		QG16DE	4	IN	INS-0522	13201-4M700	30.00	5.50	92.30	45°	ST	CG
		QG18DE				-0M200						
				EX	ENS-5509	13202-0M600	25.00	5.50	92.60	45°	ST	CG
						-0M200						
						-7M610						
X-TRAIL AVENIR	00 ~	QR20DE	4	IN	INS-0518	13201-8H300	35.70	6.00	97.20	45°	ST	CG
		QR25DE				-3Z000						
		⑯		EX	ENS-5518	13202-6N200	30.65	6.00	98.80	45°	ST	CG
						-3Z000						



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VEHICLE MODEL	Year	ENGINE TYPE	CYL No.	IN EX	DOKURO No.	REFERENCE No.	Head Dia.	Stem Dia.	Overall Lenght	Seat Avgle	Head Style	Stem End
SKYLINE 2000CC	89 ~	RB20	6	IN	INS-0450	13201-V5200/2	42.00	7.00	125.70	45°	ST	MG
CEFIRO 2400CC		RB24		EX	ENS-5450	13202-V6510	35.00	8.00	124.50	45°	ST	MG
ALTIMA 3000CC		RB30				-42E00						
LAUREL						-V5210						
A31/B31/C34		(24)										
SKYLINE 2500CC	97 ~	RB25DET	8	IN	INS-0519	13201-08U02	34.10	6.00	86.70	45°	ST	CG
LAUREL				EX	ENS-5519	13202-08U01	29.60	6.00	88.90	45°	ST	CG
CEFIRO												
A31												
C34/35-R33/34/35		(24)										
TRUCK 14300CC	72 ~	RD8	8	IN	INS-0423	13201-97000	60.00	10.00	161.00	45°	F	CG
10000CC	75 ~	RD10	10			-97002						
		RE8				-97005						
		RE10				-97008/9						
						-97026						
					INS-0422	13201-97001	60.00	10.00	161.20	60°	F	CG
				EX	ENS-5423	13202-97000-5	50.00	12.00	161.20	45°	ST	CG
						-97011						
CV/CW/WD/WG						-97025 ~ 7						
TRUCK	95 ~	RF8	8	IN	INS-0423	13201-97008	60.00	10.00	161.00	45°	F	CG
		RG8		EX	ENS-5472	13202-97009	52.00	12.00	161.00	45°	F	MG
						-97014						
						-97016 ~ 7						
						-97062						
						-97068						
CD/CF/CG/CK						-97029						
TRUCK	97 ~	RH8	8	IN	INS-0513	13201-97010	52.00	10.00	164.60	45°	ST	CG
CD55/CG55/CK551				EX	ENS-5513	13202-97069	47.90	10.00	164.60	45°	ST	CG
CW55						-97064						
LAUREL 2800CC	85 ~	RD28	6	IN	INS-0482	13201-40L01	39.10	7.00	101.90	45°	F	MG
CEDRIC				EX	ENS-5482	13202-40L01	32.10	7.00	101.80	45°	ST	MG
PATROL												



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VEHICLE MODEL	Year	ENGINE TYPE	CYL No.	IN EX	DOKURO No.	REFERENCE No.	Head Dia.	Stem Dia.	Overall Lenght	Seat Avgle	Head Style	Stem End
PATROL 2800CC CEDRIC LAUREL	85 ~	RD28T	6	IN	INS-0483	13201-V7202	39.10	7.00	102.80	45°	F	MG
						-V7200						
						-V7201						
						-4P410						
				EX	INS-0505	13201-0Y010	39.20	7.00	102.80	45°	ST	CG
						-22J00 -22J01						
BLUEBIRD SERENA		SR20DE	4	IN	INS-0525	13201-2J201 -2J202	34.10	6.00	98.40	45°	ST	CG
				EX	ENS-5525	13202-2J201	30.10	6.00	99.30	45°	ST	CG
BLUEBIRD 2000CC PRIMELA	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	7.00	102.40	45°	FR	CG
BLUEBIRD 2000CC PRIMELA SILVIA		SR20DET ⑩	4	IN	INS-0507	13201-1E711	34.10	6.00	101.50	45°	ST	CG
				EX	ENS-5507	13202-64Y00	30.10	6.00	102.30	45°	ST	CG
JUNIOR 2200CC CABALL 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°	F	CG
				EX	ENS-5440	13202-Y5201 -76201	32.50	8.00	117.00	45°	F	CG
OVER SIZE 0.40MM		SD22 SD33	4	IN	INS-0441	13201-Y5202 -90007	38.50	8.40	117.00	45°	F	CG
				EX	ENS-5441	13202-Y5202 -76202	32.50	8.40	117.00	45°	F	CG
URVAN 2300CC PICK UP 2500CC ATLAS E23/720/F22	83 ~	SD23 SD25	4	IN	INS-0438	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



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VEHICLE MODEL	Year	ENGINE TYPE	CYL No.	IN EX	DOKURO No.	REFERENCE No.	Head Dia.	Stem Dia.	Overall Lenght	Seat Avgle	Head Style	Stem End
PATROL 4200CC Y60	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°	ST	NG
PATROL 4500CC	98 ~	TB45	6	IN	INS-0499	13201-VB000	47.00	8.00	118.40	45°	ST	NG
				EX	ENS-5499	13202-54N00	38.00	8.00	119.00	45°	F	NG
PATROL 4800CC SAFARI Y61	02 ~	TB48E	6	IN	INS-0516	13201-VC200	38.50	7.00	100.20	45°	ST	CG
		(24)		EX	ENS-5516	13202-VC200	33.30	7.00	98.30	45°	ST	CG
URVAN 2300CC ATLAS E24/F22	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 2500CC ATLAS PICK UP E24/F22/D21	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 2700CC PATHFINDER 4200CC PATROL D21/WD21/Y60		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
MISTRAL 2700CC SPAIN KD with TURBO		TD27T		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°	F	CG
CEDRIC 2000CC Y30	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 3000CC FAIRLADY Y30	84 ~	VG30 VG33E	V6	IN	INS-0450	13201-V5202	42.00	7.00	125.70	45°	ST	MG
				EX	ENS-5450	13202-V6510 -V5210 -42E00	35.00	8.00	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 -40P00	29.60	6.00	103.80	45°	ST	CG
300ZX 3000CC without TURBO	85 ~	VG30	V6	IN	INS-0494	13201-30P00	34.00	6.00	103.30	45°	ST	CG
				EX	ENS-5494	13202-30P00	29.60	6.00	103.70	45°	FR	CG
MAXIMA 3000CC	93 ~	VG30DET	V6	IN	INS-0501	13201-97E00	35.00	6.00	110.60	45°	ST	CG
		(24)		EX	ENS-5501	13202-97E00	30.70	6.00	102.70	45°	ST	CG



NISSAN

VEHICLE MODEL	Year	ENGINE TYPE	CYL No.	IN EX	DOKURO No.	REFERENCE No.	Head Dia.	Stem Dia.	Overall Lenght	Seat Avgle	Head Style	Stem End
MAXIMA 2000CC	94～	VQ20 (24)	V6	IN	INS-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
CEFIRO MAXIMA A32/33		VQ20 (24)	V6	IN	INS-0533	13201-2Y001	29.15	6.00	99.80	45°	ST	CG
				EX	ENS-5533	13202-2Y001	24.00	6.00	97.40	45°	ST	CG
TEANA CEFIRO J31	03～	VQ23 (24)	V6	IN	INS-0531	13201-AQ800 -AQ801	34.10	6.00	99.30	45°	ST	CG
				EX	ENS-5531	13202-AQ800 -AQ801 -AQ80A -KB20B	29.10	6.00	96.80	45°	ST	CG
CEFIRO ELGRAND FUGA STAGEA SKYLINE	99～	VQ25 (24)	V6	IN	INS-0534	13201-KB20B -EG21A -EG200	34.15	6.00	98.10	45°	ST	CG
				EX	ENS-5531	13202-KB20B -AQ800 -AQ801 -AQ80A	29.10	6.00	96.80	45°	ST	CG
CEDRIC 3000CC MAXIMA	94～	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
INFINITY SKYLINE PATHFINDER	01～	VQ35DE (24)	V6	IN	INS-0529	13201-4W001	37.15	6.00	96.50	45°	ST	CG
				EX	ENS-5529	13202-8J10A -5W302	31.30	6.00	94.00	45°	ST	CG
PATHFINDER D40 FRONTIER	06～	VQ40DE (24)	V6	IN	INS-0526	13201-7S000	37.20	6.00	96.45	45°	F	CG
				EX	ENS-5526	13202-7S000	31.35	6.00	94.00	45°	F	CG
AD VAN PICK UP X-TRAIL Y11/C24/T30/D22	99～	YD22DD YD25DDTi (16)	4	IN	INS-0514	13201-AD210	28.15	6.00	106.75	45°	F	CG
				EX	ENS-5514	13202-AD200	26.15	6.00	106.30	45°	F	CG
PICK UP 1600CC BLUEBIRD 1800CC 720/910	79～	Z16 Z18 Z20	4	IN	INS-0437	13201-W0500	38.10	8.00	126.40	45°	ST	CG
					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	NG



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VEHICLE MODEL	Year	ENGINE TYPE	CYL No.	IN EX	DOKURO No.	REFERENCE No.	Head Dia.	Stem Dia.	Overall Lenght	Seat Avgle	Head Style	Stem End
PICK UP 2000CC	85 ~	Z22	4	IN	INS-0426	13201-N8500	42.00	8.00	124.20	45°	ST	NG
BLUEBIRD 2400CC	89 ~	Z24			INS-0455	13201-N8501	42.00	8.00	124.20	45°	ST	NG
				EX	ENS-5426	13202-N8500	38.00	8.00	125.20	45°	ST	NG
URVAN	99 ~	ZD30DD	4	IN	INS-0517	13201-2W20A	31.95	7.00	113.35	45°	F	CG
SAFARI						-2W200						
TERRANO						-2W201						
Y30/R50/E26		⑩		EX	ENS-5517	13202-2W200	30.00	7.00	113.50	45°	F	CG
						-2W201						



SUBARU

VEHICLE MODEL	Year	ENGINE TYPE	CYL No.	IN EX	DOKURO No.	REFERENCE No.	Head Dia.	Stem Dia.	Overall Lenght	Seat Avgle	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	8.00	108.50	45°	ST	NG
				EX	ESB-5601	81556-8600 -8610 31556-7000 41556-3400 -7100	32.60	8.00	109.00	45°	F	NG
				IN	ISB-0602	31555-4300	39.70	8.00	109.00	45°	ST	NG
				EX	ESB-5602	31556-4300 41556-3200 41556-7000	34.60	8.00	109.00	45°	F	NG
SUBARU 1600CC AW/AF/AC/AG/AN	76 ~	EA71	4	IN	ISB-0603	31555-4310	39.70	8.00	109.00	45°	ST	CG
				EX	ESB-5603	41556-3220 -4310	34.70	8.00	109.50	45°	ST	CG
SUBARU 1800CC 1600CC	79 ~	EA81 EA71	4	IN	ISB-0604	31555-7010 49715-5500	36.30	8.00	108.60	45°	F	CG
				EX	ESB-5604	41556-3410 41556-7110	32.60	8.00	109.20	45°	F	CG
REX 550CC	77 ~	EK23	2	IN	ISB-0606	41555-5400	35.00	7.00	111.00	45°	ST	PG
				EX	ESB-5606	41556-5400 -5500	30.00	7.00	110.60	45°	ST	PG
SUBARU BRAT 1600CC 1800CC	79 ~	EA71 EA81	4	IN	ISB-0607	41555-7000 41555-7100	40.40	8.00	109.40	45°	ST	CG
				EX	ESB-5607	41556-7200 -7300	35.00	8.00	109.40	45°	ST	CG
SUBARU 1600CC 1800CC	84 ~	EA71 EA81	4	IN	ISB-0612	13201-KA062 -KA120	29.00	7.00	108.30	45°	ST	CG
				EX	ESB-5612	13202-KA062 -KA160	30.00	7.00	110.60	45°	F	PG
SUBARU 1800CC with TURBO with TURBO XT,AA4/5	86 ~	EA82	4	IN	ISB-0613	13201-AA001 -AA002 -AA012	42.10	7.00	107.70	45°	ST	PG
				EX	ESB-5613	13202-AA011 -AA012	35.60	7.00	107.60	45°	ST	PG
				EX	ESB-5614	13202-AA021 -AA022	35.50	7.00	108.20	45°	FR	PG
				EX	ESB-5614	13202-AA021 -AA022	35.50	7.00	108.20	45°	FR	PG



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VEHICLE MODEL	Year	ENGINE TYPE	CYL No.	IN EX	DOKURO No.	REFERENCE No.	Head Dia.	Stem Dia.	Overall Lenght	Seat Avgle	Head Style	Stem End
JUSTY 1000CC	84 ~	EF10	3	IN	ISB-0615	13201-KA111	36.00	7.00	111.00	45°	ST	PG
DOMINGO 1200CC KA/KJ		EF12		EX	ESB-5615	13202-KA161	30.00	7.00	110.70	45°	FR	PG
JUSTY 1200CC	85 ~	EF12	3	IN	ISB-0617	13201-KA121	29.00	7.00	108.20	45°	ST	CG
DOMINGO				EX	ESB-5617	13202-K4181 -KA191 -KA031	33.00	7.00	108.50	45°	ST	CG
IMPREZA	98 ~	EJ16	4	IN	ISB-0618	13201-AA072	31.00	6.00	101.00	45°	FR	CG
LEGACY		EJ18				-AA070/1 -AA180						
		⑩		EX	ESB-5618	13202-AA102/1 -AA160/1	28.00	6.00	101.20	45°	ST	CG
FORESTER 2500CC	98 ~	EJ25	4	IN	ISB-0619	13201-AA310	36.00	6.00	106.00	45°	ST	CG
IMPREZA						-AA340						
LEGACY		⑩		EX	ESB-5619	13202-AA320 -AA350	32.00	6.00	106.20	45°	ST	CG
LEGACY 2000CC	01 ~	EJ20	4	IN	ISB-0620	13201-AA390	36.00	6.00	104.50	45°	ST	CG
FORESTER 2500CC		EJ25		EX	ESB-5620	13202-AA400	32.00	6.00	104.80	45°	ST	CG
WRX		⑩										
LEGACY 2200CC	90 ~	EJ22	4	IN	ISB-0621	13201-AA082	32.50	6.00	101.00	45°	ST	CG
IMPREZA						-AA080 -AA190						
W/O TURBO		⑩		EX	ESB-5621	13202-AA112 -AA110 -AA171	28.00	6.00	101.30	45°	ST	CG
LEGACY 2000CC	90 ~ 93	EJ20	4	IN	ISB-0622	13201-AA480	36.00	6.50	98.00	45°	FR	CG
IMPREZA						-AA060						
		⑩		EX	ESB-5622	13202-AA490 -AA081	32.00	6.50	97.60	45°	FR	CG
LEGACY 2000CC	90 ~ 96	EJ20T	4	IN	ISB-0623	13201-AA252	36.00	6.00	93.70	45°	ST	CG
IMPREZA						-AA250						
with TURBO		⑩		EX	ESB-5623	13202-AA481 -AA272 -AA283	32.00	6.00	94.00	45°	ST	CG



SUBARU

VEHICLE MODEL	Year	ENGINE TYPE	CYL No.	IN EX	DOKURO No.	REFERENCE No.	Head Dia.	Stem Dia.	Overall Lenght	Seat Avgle	Head Style	Stem End
LEGACY 2500CC	04 ~	EJ25	4	IN	ISB-0625	13201-AA361	36.00	6.00	120.60	45°	F	CG
OUTBACK		⑮		EX	ESB-5625	13202-AA371	31.50	6.00	121.65	45°	F	CG
WRX		EJ20T	4	IN	ISB-0626	13201-AA371	36.00	6.00	104.50	45°	F	CG
		⑮		EX	ESB-5626	13202-AA411	32.00	6.00	104.60	45°	F	CG
VIVIO		EN07	4	IN	ISB-0627	13201-KA103	28.00	5.50	94.60	45°	F	CG
SAMBER				EX	ESB-5627	13202-KA122	23.00	5.50	94.60	45°	F	CG
PLEO		⑮										
FORESTER	10 ~	FB20	4	IN	ISB-0628	13201-AA670	34.00	5.50	105.00	45°	F	CG
IMPREZA				EX	ESB-5628	13202-AA750	28.00	5.50	96.55	45°	F	CG
XV CROSSTREK		⑮										



SUZUKI

VEHICLE MODEL		Year	ENGINE TYPE	CYL No.	IN EX	DOKURO No.	REFERENCE No.	Head Dia.	Stem Dia.	Overall Lenght	Seat Avgle	Head Style	Stem End
ALTO	550CC	78 ~	F5A	3	IN	ISZ-0651	12911-73000	31.60	7.00	110.00	45°	ST	CG
FRONTE	800CC	78 ~	F8A	4			-73001						
JIMNY	550CC	76 ~	LJ50				-73002						
CARRY			F10				-73003						
							-73010						
							-73011						
							-78100						
							-78101						
							-84000						
					EX	ESZ-5651	12915-73000	27.60	7.00	109.60	45°	F	CG
							-73001						
							-73002						
							-73003						
							-73005						
							-73010						
							-73011						
							-73812						
ST80/90							-78110						
S8305/308							-84000						
ST20/30							-84010						
SJ10							-84101						
SWIFT	1000CC	83 ~	F10A	4	IN	ISZ-0652	12911-82000	36.00	7.00	115.60	45°	ST	CG
CULTAS	1000CC	83 ~	G10	3			-82010						
JIMNY	1300CC				EX	ESZ-5652	12915-82000	30.00	7.00	114.60	45°	ST	CG
		85 ~	G13A/B	4			-82050						
SF310/SA410							-82062						
SJ410/413													
SF413													
ESCUDO	1600CC	86 ~	G16A	4	IN	ISZ-0653	12911-60A10	36.60	7.00	115.70	45°	FR	CG
VITARA					EX	ESZ-5653	12915-60A50	32.50	7.00	114.50	45°	F	CG
SE416							-60A00						
VITARA	1600CC	90 ~	G16A	4	IN	ISZ-0655	12911-71C20	29.20	5.50	92.20	45°	ST	CG
					EX	ESZ-5655	12915-71C00	25.00	5.50	80.00	45°	F	CG
							-71C70						
SF416			⑩				-71C50						



SUZUKI

VEHICLE MODEL	Year	ENGINE TYPE	CYL No.	IN EX	DOKURO No.	REFERENCE No.	Head Dia.	Stem Dia.	Overall Lenght	Seat Avgle	Head Style	Stem End
SWIFT 1300CC AA33/AB33	86 ~	G13A ⑩	4	IN	ISZ-0656	12911-86511 -86500	29.00	5.50	105.20	45°	ST	CG
				EX	ESZ-5656	12915-86510 -86561 -86500	24.10	5.50	104.60	45°	ST	CG
SWIFT 1300CC AA34/AB34	89 ~	G13A ⑩	4	IN	ISZ-0654	12911-60B20	35.00	5.50	84.20	45°	ST	CG
				EX	ESZ-5654	12915-60B70	28.00	5.50	84.00	45°	F	CG
DAEWOO 800CC TICO		F8C	3	IN	IDW-0602	12911-78B00	35.60	5.50	110.50	45°	ST	CG
				EX	EDW-5602	12915-78B00	31.80	5.50	110.50	45°	ST	CG
SUDEKICK 1600CC		G16 H20 ⑩⑭	4 V6	IN	ISZ-0657	12911-85FA0	30.00	6.00	86.20	45°	ST	CG
				EX	ESZ-5657	12915-85F50	25.00	6.00	86.00	45°	ST	CG
VITARA BALENO ESTEEM		H25 J20 J18 ⑩⑭	V6 4	IN	ISZ-0658	12911-86FA0	33.00	6.00	86.20	45°	ST	CG
				EX	ESZ-5658	12915-86F50	28.00	6.00	86.00	45°	ST	CG
ALTO	90 ~	F6A	3	IN	ISZ-0659	12911-70B00 -70B30	31.70	5.50	110.60	45°	ST	CG
				EX	ESZ-5659	12915-70B30	27.60	5.50	111.00	45°	ST	CG
ALTO	90 ~	F6AG	3	IN	ISZ-0660	12911-81400 -61C00	25.50	5.00	92.20	45°	ST	CG
				EX	ESZ-5660	12915-81400 -81401	22.40	5.00	80.50	45°	ST	CG
ALTO 1000CC WAGON R	97 ~	K10 K6A ⑫	4 3	IN	ISZ-0661	12911-73G00/1	24.55	5.50	80.20	45°	ST	CG
				EX	ESZ-5661	12915-73G20 -73G00	21.50	5.50	81.30	45°	ST	CG
JIMNY 1600CC LIANA	97 ~	M16A ⑩	4	IN	ISZ-0662	12911-54G00	30.00	5.50	100.81	45°	ST	CG
				EX	ESZ-5662	12915-54G50	25.00	5.50	99.00	45°	ST	CG
JIMNY 1300CC LIANA	01 ~	M13A ⑩	4	IN	ISZ-0663	12911-69G00	30.00	6.00	100.80	45°	ST	CG
				EX	ESZ-5663	12915-69G00 -69G50	25.00	6.00	99.00	45°	ST	CG
CERVO 9VALVE CARRY		F5A IN-⑥ EX-③	3	IN	ISZ-0664	12911-85100	23.10	5.50	110.30	45°	F	CG
				EX	ESZ-5664	12915-85100	29.60	7.00	109.40	45°	F	CG



SUZUKI

VEHICLE MODEL	Year	ENGINE TYPE	CYL No.	IN EX	DOKURO No.	REFERENCE No.	Head Dia.	Stem Dia.	Overall Lenght	Seat Avgle	Head Style	Stem End
VITARA SX4	01 ~	J20A ⑩	4	IN	ISZ-0665	12911-78J10 -78J00	36.95	6.00	101.10	45°	ST	CG
				EX	ESZ-5665	12915-78J10 -78J00	30.60	6.00	97.05	45°	ST	CG
SX-4 GRAND VITARA XL-7 AERIO	00 ~	N36 H27 J20A ⑩ ②④	V6	IN	ISZ-0666	12911-65J01 -65J00	32.95	6.00	93.50	45°	ST	CG
				EX	ESZ-5666	12915-65J01 -65J00	28.00	6.00	93.20	45°	ST	CG
			4	EX	ESZ-5666	12915-65J51 -65J51						
KIZASHI GRAND VITARA	06 ~	J24B ⑩	4	IN	ISZ-0667	12911-78K00	35.50	5.50	100.65	45°	ST	CG
				EX	ESZ-5667	12915-78K00	30.50	5.50	98.60	45°	ST	CG
ALTO CELERIO	10 ~	K10B ⑫	3	IN	ISZ-0668	12911-M68K00 -M83K00	27.50	5.50	87.50	45°	ST	CG
				EX	ESZ-5668	12915-M83K00	23.00	5.50	87.00	45°	ST	CG
SX4		J20B ⑩	4	IN		12911-54L00						
				EX		12915-54L00						



TOYOTA

VEHICLE MODEL	Year	ENGINE TYPE	CYL No.	IN EX	DOKURO No.	REFERENCE No.	Head Dia.	Stem Dia.	Overall Lenght	Seat Avgle	Head Style	Stem End
COROLLA 1500CC	78 ~	1A	4	IN	ITY-0546	13711-15010	36.00	7.00	106.70	45°	F	MG
TERCEL 1300CC	80 ~	2A				-15030						
CARINA 1500CC	80 ~	3A		EX	ETY-5546	13715-15010	31.00	7.00	106.70	45°	ST	MG
CORONA 1600CC	83 ~	4A										
AE80/90/100												
AL10/20												
AT150/160/170												
COROLLA 1600CC	88 ~	4AF	4	IN	ITY-0569	13711-15050	30.00	6.00	91.50	45°	F	CG
CARINA 1500CC	87 ~	5A				-15071						
AE92/95/101/104				EX	ETY-5569	13715-15030	24.60	6.00	92.00	45°	FR	CG
AT190						-15050						
COROLLA 1600CC	87 ~	4AFE	4	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°	ST	CG
		⑮				-16060						
COROLLA GT 1600CC	83 ~	4AG	4	IN	ITY-0559	13711-16010	30.50	6.00	99.60	45°	ST	CG
CELICA				EX	ETY-5559	13715-16010	25.40	6.00	99.80	45°	FR	CG
MR2												
AA63												
AE86/92/101												
AW11		⑮										
COROLLA 1800CC	96 ~	4AFE	4	IN	ITY-0589	13711-16060	31.00	6.00	88.00	45°	FR	CG
		7AFE		EX	ETY-5589	13715-16060	24.50	6.00	88.00	45°	FR	CG
AE102		⑮				-15070						
COROLLA 1600CC	91 ~	4AGE	4	IN	ITY-0603	13711-16040	26.50	5.00	98.60	45°	FR	CG
		IN-⑧		EX	ETY-5603	13715-16040	26.00	5.00	108.50	45°	FR	CG
		EX-⑫										
HIGHLANDER	08 ~	1AR	4	IN	ITY-0640	13711-36060	36.50	5.50	103.95	45°	ST	CG
SIENNA		2700										
VENZA		2AR		EX	ETY-5640	13715-36020	31.00	5.50	112.90	45°	ST	CG
		2500										
SION Tc		2ARFXE										
Lexus ES		2500										
CAMRY												
HYBRID		⑮										



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VEHICLE MODEL	Year	ENGINE TYPE	CYL No.	IN EX	DOKURO No.	REFERENCE No.	Head Dia.	Stem Dia.	Overall Lenght	Seat Avgle	Head Style	Stem End
DYNA 4100CC	88 ~	15B	4	IN	ITY-0613	13711-58030	37.00	7.00	126.50	45°	F	CG
		⑯		EX	ETY-5613	13715-58070	33.10	7.00	126.50	45°	F	CG
COROLLA VAN 1800CC	81 ~	1C	4	IN	ITY-0552	13711-64010	38.50	8.00	106.50	45°	F	CG
CORONA VAN 2000CC	83 ~	2C		EX	ETY-5552	13715-64010	32.50	8.00	106.50	45°	F	CG
CE7#/8#/CT150/160						-64020/1					F	
COROLLA VAN 1800CC	89 ~	1C	4	IN	ITY-0590	13711-64011	38.50	8.00	105.00	45°	F	CG
CARINA 2000CC	90 ~	2C				-64020						
TOWN ACE		3C		EX	ETY-5590	13715-64012	32.50	8.00	105.00	45°	F	CG
						-64030						
CE95/CT170						-64040						
COROLLA 2000CC	99 ~	1CD-FTV	4	IN	ITY-0629	13711-27010	28.00	6.00	102.60	45°	F	CG
AVENSIS		⑯		EX	ETY-5629	13715-27010	24.00	6.00	102.00	45°	F	CG
TRUCK 6000CC	69 ~ 76	D	6	IN	ITY-0535	13711-76010 ~ 3	47.00	10.00	161.70	45°	F	CG/MG
DA100 6500CC		2D		EX	ETY-5535	13715-76010 ~ 4	42.90	10.00	161.50	45°	F	CG/MG
TRUCK 6500CC	77 ~ 81	2D	6	IN	ITY-0536	13711-77010	47.00	10.00	158.70	45°	F	MG
DA100				EX	ETY-5536	13715-77010	43.00	10.00	158.60	45°	F	MG
TRUCK 6500CC	81 ~	2D	6	IN	ITY-0555	13711-77011	46.80	10.00	158.50	45°	F	CG
DA110/120				EX	ETY-5555	13715-77011	42.80	10.00	158.50	45°	F	CG
COROLLA 1000CC	84 ~	1E	4	IN	ITY-0577	13711-10020	30.00	6.00	92.30	45°	ST	CG
STARLET 1300CC	84 ~	2E		IN	ITY-0677	13712-10010	21.00	6.00	98.70	45°	F	CG
TERCEL 1500CC	86 ~	3E										
EP70/EL31/42				EX	ETY-5577	13715-10030	31.10	6.00	92.40	45°	F	CG
EE90		⑫										
SERA 1300CC	95 ~	4EFE	4	IN	ITY-0584	13711-11010/1	28.60	6.00	93.60	45°	FR	CG
TERCEL 1500CC		5EFE		EX	ETY-5584	13715-11030	24.50	6.00	94.00	45°	FE	CG
EL4#/5#/EXY10		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	60 ~	F	6	IN	ITY-0540	13711-60011	44.00	8.00	152.60	45°	F	MG/NG
FJ43				EX	ETY-5540	13715-60011	37.60	8.00	121.20	45°	F	MG/NG
LAND CRUISER 3800CC	60 ~	F	6	IN	ITY-0541	13711-60020	46.00	8.00	125.00	45°	F	MG/NG
FJ43				EX	ETY-5541	13715-60030/1	37.50	8.00	125.00	45°	ST	MG/NG



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VEHICLE MODEL	Year	ENGINE TYPE	CYL No.	IN EX	DOKURO No.	REFERENCE No.	Head Dia.	Stem Dia.	Overall Lenght	Seat Avgle	Head Style	Stem End
LAND CRUISER 4200CC FJ40/43/45/55/60/70/80	75 ~	2F	6	IN	ITY-0542	13711-60021	46.00	8.00	125.00	45°	ST	3CG
		3F		-61010								
		-61020										
		3F		EX	ETY-5542	13715-60032	37.50	8.00	125.30	45°	ST	3CG
				-61010								
-61030	ETY-5579	13715-61020	37.50	8.00	128.00	45°	ST	MG				
						-61040						
LAND CRUISER 4500CC FZJ80/100/105	92 ~	1FZ	6	IN	ITY-0593	13711-66020	38.00	7.00	98.70	45°	ST	CG
				-66030								
		(24)		EX	ETY-5593	13715-66020	32.00	7.00	98.20	45°	FR	CG
						-66030						
LAND CRUISER 300 3300CC	21-	F33A	6	IN	ITY-	13711-70110						
				EX	ETY-	13715-70070						
CRESSIDA(GL16) 2000CC CELICA/CROWN GA60/GS126 GX60/70/80	80 ~	1G	6	IN	ITY-0548	13711-70010	36.00	7.00	109.50	45°	F	MG
				-70020								
		EX		ETY-5548	13715-70010	31.00	7.00	109.50	45°	F	MG	
						-70020						
CRESSIDA	88 ~	1G (24)	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
MARK II CRESTA CHASER CELICA/SOARER	82-	1G-GEU	6	IN	ISP-0185	13711-88341	28.00	6.00	94.40	45°	FR	CG
				EX	ESP-5185	13715-88300	23.50	6.00	94.20	45°	FR	CG
		(24)										
LAND CRUISER PRADO HI LUX REVO HI ACE FORTUNER	15-	1GD 2GD	4	IN	ITY-0643	13711-0E010	30.50	6.00	99.50	45°	FR	CG
				-11030								
		(16)		EX	ETY-5643	13715-0E010						
						-11050	29.00	6.00	100.00	45°	FR	CG
FJ CRUISER 4000CC TUNDORA SEQUOIA FORTUNER PRADO	03 ~	1GR-FE (24)	V6	IN	ITY-0632	13711-31070	36.50	5.50	107.00	45°	F	CG
				EX		ETY-5632						



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VEHICLE MODEL	Year	ENGINE TYPE	CYL No.	IN EX	DOKURO No.	REFERENCE No.	Head Dia.	Stem Dia.	Overall Lenght	Seat Avgle	Head Style	Stem End
MARK X RX350 ES350 RAV 4 CAMRY AVALON ALFARD	06 ~	2GR-FE 3500	V6	IN EX	ITY-0636 ETY-5636	13711-31100 -0P010 13715-31120 -31150 -0S010 -0S020	38.00 32.00	5.50 5.50	105.85 110.40	45° 45°	FR ST	CG CG
REIZ CROWN ES300 GS300 3600CC	06 ~	3GR-FE 3000 5GR-FE 2500 (24)	V6 V6	IN EX	ITY-0638 ETY-5638	13711-31090 13715-31130	34.45 29.00	5.50 5.50	105.06 111.50	45° 45°	FR ST	CG CG
DYNA 4000CC LAND CRUISER COASTER HU30/40/59/HJ47/60/75	69 ~ 82 ~	H 2H	6	IN EX	ITY-0545 ETY-5545	13711-68010 13715-68010	42.00 35.00	9.00 9.00	120.90 120.80	45° 45°	F F	CG CG
LAND CRUISER HZJ7#/8#/HDJ8#	90 ~	1HZ 1HDT	6	IN EX	ITY-0578 ETY-5578	13711-17010 13715-17010	42.50 36.00	8.00 8.00	103.60 103.40	45° 45°	F F	CG CG
LAND CRUISER 4200CC HDJ-80 2400CC	95 ~	1HD-FTE	6	IN EX	ITY-0616 ETY-5616	13711-17020 13715-17020	33.00 30.50	7.00 7.00	127.20 126.80	45° 45°	F F	CG CG
DYNA 2500CC JU30 2500CC	65 ~ 68 ~	J 2J	4	IN EX	ITY-0537 ETY-5537	13711-46010/3 13715-46010~3	40.50 33.50	9.00 9.00	120.50 120.60	45° 45°	F F	MG MG
TOYOACE JU16/30 2500/3000CC	81 ~	2J	4	IN EX	ITY-0549 ETY-5549	13711-48010/1 13715-48010	40.50 33.50	9.00 9.00	120.90 120.60	45° 45°	F F	CG CG
CROWN LEXUS GS300 1100CC	99 ~	1JZ 2JZ (24)	6	IN EX	ITY-0620 ETY-5620	13411-46022 13715-46020	33.50 29.00	6.00 6.00	98.50 99.10	45° 45°	ST ST	CG CG
PUBLICA COROLLA 1100CC	66 ~	K	6	IN EX	ITY-0501 ETY-5501	13711-22010 13715-22010	34.00 28.00	8.00 8.00	100.00 100.20	45° 45°	ST ST	MG/CG MG/CG
PUBLICA COROLLA 1200CC	66 ~	K	4	IN EX	ITY-0502 ETY-5502	13711-22011 13715-22011	34.00 28.00	8.00 8.00	100.00 100.00	45° 45°	ST F	MG MG
COROLLA STARLET KP42/KE20/25	69 ~	2K 3K	6	IN EX	ITY-0503 ETY-5503	13711-24010 -24020 13715-24010/1 -24020/1	36.00 29.00	8.00 8.00	100.00 100.00	45° 45°	F ST	MG/CG MG/CG



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VEHICLE MODEL	Year	ENGINE TYPE	CYL No.	IN EX	DOKURO No.	REFERENCE No.	Head Dia.	Stem Dia.	Overall Lenght	Seat Avgle	Head Style	Stem End
COROLLA 1300CC	69 ~	3K	4	IN	ITY-0504	13711-24011/2	36.00	8.00	100.00	45°	F	MG
STARLET 1300CC	78 ~	4K		EX	ETY-5504	13715-24012	29.00	8.00	100.00	45°	F	MG
TAMARAW 1500CC	83 ~	5K				-24030						
KIJAN		7K										
KF1#/2#/4#/5#					ETY-5505	13715-24013	29.00	8.00	100.00	45°	F	MG
KE30/KE7#/KP6#						-24031						
REVO 1800CC	95 ~	7K	4	IN	ITY-0606	13711-13010	36.00	8.00	100.00	45°	FR	CG
PRADO 3000CC	00 ~	1KD-FTV	4	IN	ITY-0624	13711-30030	32.15	6.00	105.50	45°	F	CG
FORTUNER						-0L020						
HILUX		⑩		EX	ETY-5624	13715-30030	27.80	6.00	105.50	45°	F	CG
						-0L020						
DYNA 2500CC	04 ~	2KD-FTV	4	IN	ITY-0625	13711-30040	30.50	6.00	105.80	45°	F	CG
FORTUNER						-0L010						
INNOVA		⑩		EX	ETY-5625	13715-30040	26.50	6.00	105.75	45°	F	CG
HILUX WIGO						-0L010						
LAND CRUISER 90	96 ~	1KZT	4	IN	ITY-0570	13711-54020	42.40	8.00	103.50	45°	F	CG
PRADO,COROLADO 3000CC				EX	ETY-5608	13715-67020	37.00	8.00	103.40	45°	F	CG
LAND CRUISER	99 ~	1KZ-TE	4	IN	ITY-0610	13711-54040	42.50	8.00	104.40	45°	F	CG
PRADO,COROLADO				EX	ETY-5610	13715-67040	37.00	8.00	104.40	45°	F	CG
KZJ9S 3000CC												
YARIS	04 ~	1KR-FE	3	IN	ITY-0639	13711-40040	27.50	5.00	88.35	45°	F	CG
AYGO						-40050						
IQ						-BZ040						
BERTA				EX	ETY-5639	13715-40040	23.60	5.00	89.10	45°	FR	CG
PASSO		⑫				-40050						
						-BZ040						
HILUX 2200CC	78 ~	L	4	IN	ITY-0547	13711-54010	42.60	8.50	123.00	45°	F	3CG
HIACE 2400CC	83 ~	2L		EX	ETY-5547	13715-54010	35.00	8.50	122.80	45°	F	3CG
CRESSIDA/CROWN						-54020						
LN40/50/60						-54030						
LH20/40/50/60/70												
LX40/60/LS110/120												
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	90 ~											
LX80/76/LS130/140		2L			ETY-5578	13715-17010	36.00	8.00	103.40	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 Lenght	Seat Avgle	Head Style	Stem End
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 2400CC MS5#	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 2600CC MS85/95/111	74 ~	4M 5M	6	IN	ITY-0527	13711-41020 -45010 -45020	38.00	8.00	116.20	45°	F	MG
				EX	ETY-5527	13715-45010 -45020	33.00	8.00	113.30	45°	ST	MG
CROWN 2800CC CELICA SUPRA MS112/123 MA55/61/67	80 ~	5M	6	IN	ITY-0528	13711-43010 -43020	42.00	8.00	116.40	45°	ST	MG
CROWN 2800CC MS125/135	84 ~	5M	6	IN	ITY-0529	13711-43030	44.00	8.00	107.50	45°	F	MG
	85 ~	6M		EX	ETY-5529	13715-43010	36.00	8.00	109.80	45°	F	MG
SUPRA 3000CC MA70	86 ~	7M (24)	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 3000CC LEXUS ES300	99 ~	1MZ (24)	V6	IN	ITY-0607	13711-20020	34.00	5.50	95.50	45°	FR	CG
				EX	ETY-5607	13715-2002	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
YARIS IQ AURIS ETIOS	08 ~	1NR-FE 1300 2NR-FE 1500 (16)	4	IN	ITY-0641	13711-47010 -0Y020	29.00	5.50	103.40	45°	F	CG
				EX	ETY-5641	13715-47010 -0Y020	24.25	5.50	104.50	45°	FR	CG
PREMIO/ALLION	03 ~	1NZ FE	4	IN	ITY-0634	13711-21040	30.50	5.50	102.20	45°	F	CG
				EX	ETY-5634	13715-21040	25.50	5.50	103.40	45°	F	CG
YARIS 1300CC ECHO 1500CC VITZ PRIUS	99 ~	1NZ-FE 2NZ-FE (16)	4	IN	ITY-0612	13711-21010 -21020	30.50	5.00	89.20	45°	FR	CG
				EX	ETY-5612	13715-21010 -21020	25.50	5.00	88.00	45°	FR	CG



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VEHICLE MODEL	Year	ENGINE TYPE	CYL No.	IN EX	DOKURO No.	REFERENCE No.	Head Dia.	Stem Dia.	Overall Lenght	Seat Avgle	Head Style	Stem End
YARIS TDI 1400CC		1ND-FTV	4	IN	ITY-0623	13711-33030	30.70	6.00	100.00	45°	ST	CG
ECHO TDI												
VERSO TDI												
PRPBOX				EX	ETY-5623	13715-33040	28.00	6.00	100.00	45°	ST	CG
SUCCEED		16										
CORONA 1500CC	64 ~	2R	4	IN	ITY-0513	13711-31010	40.00	8.00	116.00	45°	F	NG/
				EX	ETY-5513	13715-31010	32.00	8.00	116.00	45°	F	MG
CORONA 1500CC		2R	4	IN	ITY-0514	13711-31011	40.00	8.00	116.00	45°	F	NG/
				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
				EX	ETY-5515	13715-31012	33.00	8.00	116.00	45°	F	MG
CORONA 1900CC	66 ~	3R	4	IN	ITY-0531	13711-40010	42.00	9.00	125.00	45°	F	MG/CG
HIACE						-40020						
HILUX						-40030						
RT40/50				EX	ETY-5531	13715-40010	35.00	9.00	124.80	45°	F	MG/CG
RH10/RN10						-40020/1						
CROWN 2000CC	70 ~	5R	4	IN	ITY-0532	13711-44010/1	43.00	8.50	109.50	45°	ST	NG/CG
STOUT				EX	ETY-5532	13715-44010	37.00	8.50	109.50	45°	F	NG/CG
RS80/RK101						-44020						
STOUT 2000CC	70 ~	5R	3	IN	ITY-0533	13711-44012	43.10	8.50	109.70	45°	F	2CG
DYNA				EX	ETY-5533	13715-44021	37.00	8.50	110.00	45°	ST	2CG
STOUT 2000CC	79 ~	5R	4	IN	ITY-0534	13711-44013	43.00	8.50	109.50	45°	F	CG
DYNA												
CORONA				EX	ETY-5534	13715-440220	37.00	8.50	110.30	45°	ST	CG
RK101/110												
RU20/30												
RT100												
CORONA 1700CC	70 ~	6R	4	IN	ITY-0516	13711-33010/1	43.00	8.00	114.40	45°	ST	MG
1600CC	68 ~	7R		EX	ETY-5516	13715-33010/1	34.00	8.00	114.20	45°	F	MG
RT60/70/80	1800CC	8R				-33030						
RX10												
HILUX 1600CC	70 ~	12R	4	IN	ITY-0517	13711-31030	40.00	8.00	109.00	45°	ST	MG/CG
CORONA						-31040						
				EX	ETY-5517	13715-31030	34.00	8.00	109.00	45°	F	MG/CG
RN20/25						-31040						
RT80						-31050						



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VEHICLE MODEL	Year	ENGINE TYPE	CYL No.	IN EX	DOKURO No.	REFERENCE No.	Head Dia.	Stem Dia.	Overall Lenght	Seat Avgle	Head Style	Stem End
HILUX 1600CC	77 ~	12R	4	IN	ITY-0518	13711-31050	40.00	8.00	109.00	45°	F	CG
CORONA RN30/40 RT127/130				EX	ETY-5518	13715-31070	34.00	8.00	109.00	45°	F	CG
HILUX 1800CC	71 ~	16R	4	IN	ITY-0519	13711-34010~2	41.00	8.00	113.20	45°	ST	MG
CRESSIDA 2000CC	71 ~	18R				-34030						
HIACE CORONA RT110/123/132 RN30/40 RH22/3#/4# RX30				EX	ETY-5519	13715-34010~2 -34022 -34030~3 -34050 -36021	36.00	8.00	113.30	45°	F	MG
CRESSIDA MARKII(RX10) CARINA(RA11,RA15)	73 ~	18R	4	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 2400CC	75 ~	20R	4	IN	ITY-0523	13711-37010	43.00	8.00	115.60	45°	FR	MG
DYNA 2000CC	78 ~	21R				-38010 -38050						
				EX	ETY-5523	13715-38010/1 -38020 -38050	36.00	8.00	113.90	45°	F	MG
RX60/70 RU50					ETY-5554	13715-37020	36.00	8.00	113.90	45°	ST	MG
CRESSIDA 2000CC	84 ~	21R	4	IN	ITY-0524	13711-35010	45.00	8.00	114.10	45°	F	MG
DYNA 2200CC	84 ~	22R				-35030/1 -35040 -35050/1						
				EX	ETY-5524	13715-35020	37.00	8.00	112.70	45°	F	MG
RX70/80 RU80/90 RN50/80/90/100					ETY-5525	13715-35010 -35030/1 -35040	37.00	8.00	112.90	45°	ST	MG
HIACE 2000CC	89 ~	1RZ	4	IN	ITY-0580	13711-75020	42.00	8.00	102.00	45°	ST	CG
2500CC	89 ~	2RZ		EX	ETY-5580	13715-75010 -75020	35.10	8.00	102.30	45°	FR	CG
RZH100/103/125												
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 2700CC	95 ~	3RZE	4	IN	ITY-0600	13711-75070	37.50	6.00	104.00	45°	ST	CG
TACOMA				EX	ETY-5592	13715-75060 -76020/30	30.60	6.00	104.00	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 Lenght	Seat Avgle	Head Style	Stem End
4 RUNNER 2800CC	95 ~	3RZE	4	IN	ITY-0602	13711-75060	37.50	6.00	103.50	45°	FR	CG
HILUX 2700CC												
TACOMA		⑩		EX	ETY-5602	13715-75050	30.50	6.00	103.70	45°	FR	CG
YARIS 1000CC	99 ~	1SZ-FE	4	IN	ITY-0628	13711-23030	26.00	5.00	88.20	45°	ST	CG
VITZ		⑩		EX	ETY-5628	13715-23030	22.60	5.00	89.20	45°	ST	CG
CORONA 1800CC	82 ~	1S	4	IN	ITY-0550	13711-63010	40.00	8.00	109.70	45°	F	MG
CELICA 2000CC	82 ~	2S										
CARINA				EX	ETY-5550	13715-63010/1	34.00	8.00	109.30	45°	ST	MG
SA60/ST150												
CORONA 2000CC	89 ~	3S	4	IN	ITY-0572	13711-74020	32.10	6.00	100.60	45°	ST	CG
CELICA						-74040						
		⑩		EX	ETY-5572	13715-74020	27.00	6.00	100.60	45°	F	CG
ST170/180/190						-74050						
CAMRY	91 ~	3S	4	IN	ITY-0591	13711-74080	32.00	6.00	97.50	45°	ST	CG
CORONA		5S				-74090						
		⑩		EX	ETY-5591	13715-74080	27.00	6.00	98.50	45°	FR	CG
						-74090						
						-03020						
CAMRY	91 ~	3S	4	IN	ITY-0594	13711-74101	32.00	6.00	97.50	45°	FR	CG
		5S										
		⑩		EX	ETY-5594	13715-74100	27.00	6.00	98.50	45°	FR	CG
MR2	96 ~	3SG	4	IN	ITY-0583	13711-88360/1	33.40	6.00	103.00	45°	ST	CG
CELICA												
CAMRY		⑩		EX	ETY-5583	13715-88360	29.00	6.00	102.00	45°	ST	CG
CELICA 2000CC	94 ~	3SGE	4	IN	ITY-0622	13711-88362	33.50	6.00	100.60	45°	ST	CG
CARINA II		3SGTE										
		⑩		EX	ETY-5622	13715-88361	29.00	6.00	99.60	45°	ST	CG
PREVIA 2400CC	90 ~	2TZ	4	IN	ITY-0592	13711-76020	36.00	6.00	103.70	45°	FR	CG
ESTIMA				EX	ETY-5592	13715-76020/30	30.60	6.00	104.00	45°	ST	CG
		⑩				-75060						
CARINA 1400CC	70 ~	T	4	IN	ITY-0506	13711-25010	41.00	8.00	109.20	45°	F	MG/CG
CELICA 1600CC	70 ~	2T		EX	ETY-5506	13715-25010	36.00	8.00	109.00	45°	F	MG/CG



TOYOTA

VEHICLE MODEL	Year	ENGINE TYPE	CYL No.	IN EX	DOKURO No.	REFERENCE No.	Head Dia.	Stem Dia.	Overall Lenght	Seat Avgle	Head Style	Stem End
CARINA 1600CC	72 ~	2T	4	IN	ITY-0507	13711-25011	41.00	8.00	109.00	45°	F	MG
CELICA 1800CC	72 ~	3T										
CORONA/COROLLA TA1#/3#4# TT100/TE2#				EX	ETY-5507	13715-25011	36.00	8.00	109.00	45°	F	CG
INNOVA 2000CC	03 ~	1TR-FE	4	IN	ITY-0631	13711-75100	34.00	5.50	106.80	45°	ST	CG
HIACE						-0C020 -0C010						
		⑯		EX	ETY-5631	13715-75090	28.45	5.50	107.30	45°	F	CG
						-0C020 -0C010						
FORTUNER 2700CC	04 ~	2TR-FE	4	IN	ITY-0630	13711-75110	37.50	5.50	106.30	45°	F	CG
HIACE						-0C050						
HILUX						-0C060						
PRADO						-0C040						
		⑯		EX	ETY-5630	13715-75100	31.50	5.50	106.75	45°	F	CG
						-0C050 -0C060 -0C040						
LEXUS 4000CC	89 ~	1UZ	V8	IN	ITY-0619	13711-50050	33.45	6.00	95.10	45°	ST	CG
CROWN						-50020						
		⑳		EX	ETY-5619	13715-50050	28.00	6.00	97.00	45°	ST	CG
						-50020						
LAND CRUISER 4700CC	98 ~	2UZ	V8	IN	ITY-0617	13711-50060	34.50	5.50	95.10	45°	ST	CG
						-50070						
UZJ100		㉓		EX	ETY-5617	13715-50060	29.00	5.50	95.10	45°	ST	CG
						-50070						
LAND CRUISER 200	08 ~	1VD FTV	V8	IN	ITY-0633	13711-51030	30.15	6.00	104.40	45°	F	CG
DIESEL		㉓		EX	ETY-5633	13715-51030	26.95	6.00	104.10	45°	F	CG
CAMRY 2500CC	88 ~	2VZ	V6	IN	ITY-0597	13711-62020	33.00	6.00	96.20	45°	F	CG
VZV21		㉔		EX	ETY-5597	13715-62020	27.30	6.00	96.20	45°	F	CG
4 RUNNER 3000CC	91 ~	3VZE	V6	IN	ITY-0587	13711-65010	42.00	8.00	104.30	45°	ST	CG
CAMRY						-65020						
VZN100				EX	ETY-5587	13715-65010	35.00	8.00	104.20	45°	ST	CG
VZN130		㉔				-65020						



TOYOTA

VEHICLE MODEL	Year	ENGINE TYPE	CYL No.	IN EX	DOKURO No.	REFERENCE No.	Head Dia.	Stem Dia.	Overall Lenght	Seat Avgle	Head Style	Stem End
LEXUS ES300	90 ~	3VZFE	V6	IN	ITY-0595	13711-62040	34.10	6.00	95.60	45°	ST	CG
CAMRY		5VZFE		EX	ETY-5595	13715-62030						
PRADO		②④					27.30	6.00	95.00	45°	ST	CG
HILUX 3400CC	95 ~	5VZFE	V6	IN	ITY-0601	13711-62030	34.00	6.00	95.20	45°	FR	CG
4 RUNNER				EX	ETY-5601	13715-62050	27.30	6.00	95.00	45°	F	CG
CAMRY		②④										
DYNA		1W	4	IN	ITY-0565	13711-78010	45.00	9.00	123.10	60°	F	CG
				EX	ETY-5565	13715-78010	40.00	9.00	123.00	45°	F	CG
HILUX 1600CC	82 ~	1Y	4	IN	ITY-0553	13711-71010	40.00	8.00	108.30	45°	F	CG
HIACE 1800CC		2Y				-71020						
YH50/60 2000CC		3Y		EX	ETY-5553	13715-71010	36.00	8.00	108.60	45°	F	CG
YH50/60 2400CC		4Y				-71020						
COROLLA	07 ~	1ZR	4	IN	ITY-0635	13711-37020	32.05	5.50	109.35	45°	ST	CG
WISH		2ZR				-37030						
VIOS						-0T030						
AURIS						-0T040						
AVENCIS				EX	ETY-5635	13715-37030	27.50	5.50	108.25	45°	F	CG
						-0T030						
						-0T040						
COROOLA 1800CC	99 ~	1ZZ-FE	4	IN	ITY-0614	13711-22030	32.00	5.50	88.80	45°	F	CG
CELICA				EX	ETY-5614	13715-22030	27.50	5.50	88.80	45°	F	CG
ZZE122/ZZT230		①⑥										
CELICA 1800CC	99 ~	2ZZ-GE	4	IN	ITY-0618	13711-88600	34.00	5.50	111.30	45°	ST	CG
				EX	ETY-5618	13715-88600	29.50	5.50	111.70	45°	ST	CG
ZZT231		①⑥				-88601						
COROOLA 1600CC	99 ~	3ZZ-FE	4	IN	ITY-0615	13711-22040	31.00	5.50	88.80	45°	F	CG
1400CC		4ZZ-FE				-22050						
		①⑥		EX	ETY-5615	13715-22040	26.00	5.50	88.80	45°	F	CG
						-22050						
FORK LIFT		1Z/11Z	4	IN	ITF-0801	13711-78300-71	42.00	9.00	122.00	45°	F	CG
				EX	ETF-5801	13715-78300-71	35.00	9.00	122.00	45°	F	CG
FORK LIFT		1D-Z		IN	ITF-0802	13711-78200-71	36.00	8.00	108.60	45°	F	CG
				EX	ETF-5802	13715-78200-71	32.50	8.00	108.30	45°	F	CG
FORK LIFT			4	IN	ITF-0803	13711-10700-71	33.00	8.00	102.00	45°	F	CG
				EX	ETF-5803	13715-10700-71	27.00	8.00	101.00	45°	F	CG
FORK LIFT		3P/4P	4	IN	ITY-0567	13711-23021	36.00	8.00	103.50	45°	ST	MG
						-76002-71						
				EX	ETY-5567	13715-23021	30.00	8.00	103.50	45°	FR	MG
						-76002-71						
FORK LIF+A437:N438T		5P	4	IN	ITF-0804	13711-78102-71	44.00	9.00	117.80	45°	F	CG
				EX	ETF-5804	13715-78102-71	33.60	9.00	118.80	45°	F	CG



KOREAN/CHINESE SPECIFICATION

ASIA

VEHICLE MODEL	CYL No.	IN EX	DOKURO No.	REFERENCE No.	Head Dia.	Stem Dia.	Overall Lenght	Head Style	Stem End
TOWNER	3	IN	IDH-0004	AA100-12-111	36.00	7.00	101.60	F	CG
		EX	EDH-5004	AA100-12-121	33.00	7.00	101.60	ST	CG

CHERY

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

DAEWOO

VEHICLE MODEL	CYL No.	IN EX	DOKURO No.	REFERENCE No.	Head Dia.	Stem Dia.	Overall Lenght	Head Style	Stem End
ESPERO SOHC	4	IN	IDW-0701	90220119	38.00	7.00	101.60	ST	CG
		EX	EDW-5701	90323757	31.00	7.00	101.60	F	CG
CIELO LANOS NUBIRA	4	IN	IDW-0604	96182806 96103129	30.30	6.00	102.50	ST	CG
		EX	EDW-5604	96182805 96103130	26.00	6.00	102.00	ST	CG
LANOS CIELO	4	IN	IDW-0603	96182934	38.00	7.00	103.50	ST	CG
		EX	EDW-5603	96182933	31.00	7.00	103.50	F	CG
RACER CIELO/MONZA	4	IN	IDW-0702	90215492	38.00	7.00	101.50	ST	CG
		EX	EDW-5702	90215491	31.00	7.00	101.50	F	CG
TICO MATIZ DAMAS	3	IN	IDW-0602	12911-78B00 94580146 94581486	35.60	5.50	110.50	ST	CG
		EX	EDW-5602	12915-78B00 96352793	31.80	5.50	110.50	ST	CG



KOREAN/CHINESE SPECIFICATION

DAEWOO

VEHICLE MODEL	CYL No.	IN EX	DOKURO No.	REFERENCE No.	Head Dia.	Stem Dia.	Overall Lenght	Head Style	Stem End
AVEO 1200CC i20	4	IN	IDW-0605	96440081	28.55	6.00	101.60	ST	CG
				96376881					
				25182287					
		EX	EDW-5605	96440079	27.20	6.00	101.20	ST	CG
				96376980					
				96830500					
OPTRA FORENZA	4	IN	IDW-0606	90412277	32.05	6.00	102.15	ST	3CG
	⑩	EX	EDW-5606	9041081396	29.00	6.00	92.40	ST	3CG
AVEO	4	IN	IDW-0607	335947	37.95	6.00	104.10	ST	3CG
		EX	EDW-5607	96335948	31.00	6.00	104.00	ST	3CG
				96496109					
CHEV.SAIL	4	IN	ICH-0003	24102863	28.00	5.00	98.50	ST	CG
	⑩	EX	ECH-5003	24102864	24.40	5.00	99.20	ST	CG
CHEV. SONIC	4	IN	IDW-	55557862					
	⑩	EX	EDW-	55558728					

HYUNDAI/KIA

VEHICLE MODEL	CYL No.	IN EX	DOKURO No.	REFERENCE No.	Head Dia.	Stem Dia.	Overall Lenght	Head Style	Stem End
ACCENT 1300CC	4	IN	IMB-0305	22211-21010	34.00	6.50	102.00	ST	CG
		EX	EMB-5305	22212-21010	30.00	6.50	101.00	F	CG
ACCENT 95 ~ G4EK	4	IN	IMB-0371	22211-22003	27.50	6.00	99.00	FR	CG
		EX	EMB-5371	22212-22011	32.00	6.00	98.50	FR	CG
ACCENT 94-11	4	IN	IMB-0409	22211-26600	29.10	6.00	91.90	F	CG
	⑩	EX	EMB-5409	22212-26000	25.00	6.00	92.50	F	CG
ACCENT CRDi VERNA CRDi DIESEL	4	IN	IMB-0420	22211-2A100	26.20	5.50	93.00	F	3CG
		EX	EMB-5420	22212-2A100	21.00	5.50	93.70	F	3CG



KOREAN/CHINESE SPECIFICATION

HYUNDAI/KIA

VEHICLE MODEL	CYL No.	IN EX	DOKURO No.	REFERENCE No.	Head Dia.	Stem Dia.	Overall Lenght	Head Style	Stem End
ACCENT	4	IN	IMB-0433	22211-2B400	31.50	5.50	93.15	F	CG
SOUL G4F		EX	EMB-5433	22212-2B000	26.00	5.50	92.65	F	CG
ATOS	4	IN	IMB-0390	22211-02500	23.00	5.50	100.40	F	CG
		EX	EMB-5390	22212-02500	27.00	5.50	100.00	F	CG
BA/BX	4	IN	IMB-0338	22211-42000	40.00	8.00	136.60	F	CG
		EX	EMB-5338	22212-42000	34.00	8.00	136.50	F	CG
D4AF	4	IN	IMB-0313	22211-41000	44.00	9.00	137.10	F	NG
		EX	EMB-5313	22212-41000	37.00	9.00	137.10	F	NG
ELANTRA G15 1500CC	4	IN	IMB-0348	22211-24504	35.10	6.60	101.60	ST	CG
		EX	EMB-5305	22212-21000	30.00	6.60	101.00	F	CG
ELANTRA 96 ~ 1600CC DOHC	4	IN	IMB-0396	22211-23100	30.00	6.00	102.90	ST	CG
		EX	EMB-5396	22212-23100	25.50	6.00	105.30	F	CG
ELANTRA 1800CC	4	IN	IMB-0397	22211-23000	32.00	6.00	102.30	ST	CG
		EX	EMB-5397	22212-23000	27.50	6.00	104.85	F	CG
H100	4	IN	IMB-0401	22211-42860	40.00	8.00	132.55	F	CG
		EX	EMB-5401	22212-42860	34.00	8.00	132.55	F	CG
H100	4	IN	IMB-0411	22211-42220	42.00	8.00	132.05	F	CG
		EX	EMB-5411	22212-42220	36.00	8.00	132.10	F	CG
H1 CRDi	4	IN	IMB-0419	22211-4A061	31.80	7.00	110.65	F	3CG
DIESEL		EX	EMB-5419	22212-4A061	28.00	7.00	110.60	F	3CG
MATRIX	4	IN	IMB-0400	22211-23600	32.00	6.00	114.30	ST	CG
TUCSON G4JP		EX	EMB-5400	22212-23600	27.55	6.00	116.75	F	CG
SONATA	4	IN	IMB-0346	22211-33000	34.00	6.50	109.70	F	CG
G4DR DOHC		EX	EMB-5346	22212-33010	30.50	6.50	109.80	F	CG
SONATA 94 ~	6	IN	IMB-0383	22211-37200/1	32.00	6.00	96.20	F	CG
OPTIMA(KIA) 95 ~		EX	EMB-5383	22212-37200	27.50	6.00	97.20	F	CG
SONATA	4	IN	IMB-0431	22211-25000	35.00	5.50	113.20	F	CG
OPTIMA				-25002					
FORTES		EX	EMB-5431	22212-25000	29.00	5.50	105.9	F	CG
PORTAGE				-25002					
SORENTO									



KOREAN/CHINESE SPECIFICATION

HYUNDAI/KIA

VEHICLE MODEL	CYL No.	IN EX	DOKURO No.	REFERENCE No.	Head Dia.	Stem Dia.	Overall Lenght	Head Style	Stem End
STAREX/GRACE DSL D4BB	4	IN	IMB-0372	22211-42200	42.00	8.00	136.00	F	CG
H100 GALLOPER TURBO		EX	EMB-5372	22212-42200	36.00	8.00	136.00	F	CG
TERRACAN 2500CC	4	IN	IMB-0369	22211-42520	40.00	8.00	130.00	F	CG
H1 DIESEL		EX	EMB-5369	22212-42520	34.00	8.00	130.00	F	CG
TRAJET	4	IN	IMB-0410	22211-27001	28.55	6.00	95.80	F	CG
ELANTRA									
MATRIX									
SANTA FE		EX	EMB-5410	22212-27001	24.30	6.00	95.45	F	CG
D4EA									
BESTA 96 ~ 2700CC	4	IN	IMZ-0300	VN01-12-111	41.00	9.00	114.50	F	CG
		EX	EMZ-5300	VN01-12-121	35.00	9.00	114.70	ST	CG
B5	4	IN	IMZ-0284	B6S7-12-111	31.00	6.00	105.50	ST	CG
DOHC		EX	EMZ-5279	K938-12-121	26.20	6.00	105.40	ST	CG
CARENS	4	IN	IMZ-0320	0K247-12-111	31.55	6.00	102.95	ST	CG
SPECTRA 1.8		EX	EMZ-5320	0K247-12-121	27.00	6.00	101.50	ST	CG
CARNIVAL	4	IN	IMZ-0302	0K9BV-12-111	31.50	6.00	90.00	ST	CG
		EX	EMZ-5302	0K9BV-12-121	27.60	6.00	90.00	ST	CG
CLARUS/CREDOS	4	IN	IMZ-0299	0K954-12-111	33.70	6.00	103.20	ST	CG
SPORTAGE		EX	EMZ-5299	0K954-12-121	29.00	6.00	104.50	ST	CG
MATRIX	4	IN	IMB-0400	22211-23600	32.00	6.00	114.30	ST	CG
TUCSON G4JP		EX	EMB-5400	22212-23600	27.55	6.00	116.75	F	CG
PICANTO	4	IN	IMB-0407	22211-02200	23.45	5.50	99.50	F	CG
	⑩	EX	EMB-5407	22212-02200	27.10	5.50	99.10	F	CG
PREGIO 2.7	4	IN	IMZ-0310	0K65A-12-111A	42.40	8.50	112.90	F	CG
		EX	EMZ-5311	0K65A-12-121A	37.30	8.50	112.80	F	CG
PREGIO 3.0	4	IN	IMZ-0311	0K65C-12-111	44.00	8.50	112.80	F	CG
		EX	EMZ-5311	0K65A-12-121A	37.30	8.50	112.80	F	CG
PRIDE	4	IN	IMZ-0290	KK153-12-111	32.00	7.00	105.30	ST	CG
		EX	EMZ-5291	KK150-12-121	28.00	7.00	104.20	ST	CG
R2	4	IN	IMZ-0278	K710-12-111	41.00	8.00	107.00	F	CG
		EX	EMZ-5278	K710-12-121	36.00	8.00	106.80	ST	CG



KOREAN/CHINESE SPECIFICATION

HYUNDAI/KIA

VEHICLE MODEL	CYL No.	IN EX	DOKURO No.	REFERENCE No.	Head Dia.	Stem Dia.	Overall Lenght	Head Style	Stem End
RIO 1.3	4	IN	IMZ-0316	OK30C-12-111	37.20	6.50	104.94	ST	CG
		EX	EMZ-5316	OK30C-12-121	31.60	6.50	103.50	F	CG
RIO 1.5	4	IN	IMZ-0317	OK30E-12-111	27.75	5.50	96.50	ST	CG
		EX	EMZ-5317	OK30E-12-121	24.90	5.50	95.60	ST	CG
SL	4	IN	IMZ-0280	K410-12-111	45.40	9.00	114.60	F	CG
		EX	EMZ-5280	K410-12-121	38.30	9.00	114.60	ST	CG
SPECTRA RIO 1.6	4	IN	IMZ-0321	OK2NC-12-111	29.10	5.50	96.30	F	CG
		EX	EMZ-5321	OK2NC-12-121	25.70	5.50	95.15	F	CG
KIA DIESEL 2.9	4	IN	IMB-0421	OK551-12-111	33.95	7.00	126.60	F	CG
		EX	EMB-5421	OK551-12-121	31.50	7.00	126.30	ST	CG
SONATA GRANDEUR H100		IN	IMB-0347	22211-32604	46.00	8.00	107.00	ST	CG
		EX	EMB-5347	22212-32654	38.00	8.00	105.20	ST	CG
								ST	CG
SANTA FE 16 ~ KIA SORENTO	4 ⑩	IN	IMB-0436	22211-4A000	31.75	7.00	109.65	ST	CG
		EX	EMB-5436	22212-4A000	28.00	7.00	110.60	ST	CG
HYU. IX36 KIA SPORTAGE D4HA	4 ⑩	IN	IMB-	22211-2F000	38.00	8.00	106.30		
		EX	EMB-	22212-2F000	35.00	9.00	106.50		
PICANTO 1200CC RIO SPICE i10	4 ⑩	IN	IMB-	22211-03000					
		EX	EMB-	22212-03000					
PICANTO 1000CC ION i10	3 ⑫	IN	IMB-	22211-04000					
		EX	EMB-	22212-04000					

SSANGYONG

VEHICLE MODEL	CYL No.	IN EX	DOKURO No.	REFERENCE No.	Head Dia.	Stem Dia.	Overall Lenght	Head Style	Stem End
TUNED BY MERCEDES	5	IN	IMD-0201	601-053-1201	38.00	8.00	106.30	F	CG
		EX	EMD-5201	601-050-2527	35.00	8.00	106.50	F	CG



MALAYSIAN SPECIFICATION

PROTON

VEHICLE MODEL	CYL No.	IN EX	DOKURO No.	REFERENCE No.	Head Dia.	Stem Dia.	Overall Lenght	Head Style	Stem End
EXORA GEN-2 PERDANA	4	IN	IMB-0418	PW810852	31.00	5.00	96.00	ST	3CG
		EX	EMB-5398	PW810805	26.56	5.00	100.80	F	3CG
				PW811081 PW910175					
EXORA	4	IN	IMB-0432	PW812609	31.00	5.00	115.40	ST	3CG
		EX	EMB-5432	PW812553	26.60	5.00	114.60	F	CG
GEN-2	4	IN	IMB-0398	PW811080	31.00	5.00	101.55	ST	3CG
		EX	EMB-5398	PW811081	26.56	5.00	100.80	F	3CG
JUARA	6	IN	IMB-0381	MD189514	25.00	5.00	100.30	ST	CG
		EX	EMB-5381	MD163942	21.00	5.00	105.80	ST	CG
PERDANA	4	IN	IMB-0352	MD159502	33.00	6.00	112.20	ST	CG
		EX	EMB-5352	MD199193	29.00	6.00	114.30	ST	CG
PERDANA V6	6	IN	IMB-0376	MD160947	31.00	6.00	107.00	ST	CG
		EX	EMB-5376	MD160948	27.00	6.00	105.60	ST	CG
SAGA A172,A151	4	IN	IMB-0305	MD016460	34.00	6.60	102.00	ST	CG
		EX	EMB-5305	MD016461	30.00	6.60	101.00	ST	CG
SAGA 12V	4	IN	IMB-0350	MD128434	26.00	6.60	100.90	ST	CG
		IN-2	IMB-1350	MD128435	31.00	6.60	100.80	ST	CG
		EX	EMB-5350	MD149314	33.00	6.60	101.10	ST	CG
SAVVY	4	IN	IMB-0406	770147-2986	26.00	5.50	110.70	F	3CG
		EX	EMB-5406	770147-3004	22.05	5.50	112.50	F	3CG
TIARA	4	IN	IMZ-0322	094838	36.67	7.00	112.80	ST	CG
		EX	EMZ-5322	094933	29.45	7.00	112.50	ST	CG
WAJA 1.6	4	IN	IMB-0378	MD339752	29.00	5.50	111.80	ST	CG
		EX	EMB-5378	MD339754	22.50	5.50	114.70	ST	CG
WAJA 1.8	4	IN	IMB-0399	7701471279	33.45	5.50	110.10	F	CG
	6	EX	EMB-5399	7701471280	29.00	5.50	108.55	F	CG
WIRA 1.6 V6	4	IN	IMB-0389	MD180556	28.00	6.00	107.80	ST	CG
		EX	EMB-5389	MD177568	24.00	6.00	106.30	ST	CG
WIRA 1.6/1.8	4	IN	IMB-0351	MD162422	30.00	6.00	110.20	ST	CG
		EX	EMB-5351	MD162616	27.00	6.00	113.70	ST	CG
WIRA 1.8	4	IN	IMB-0365	MD162799	33.00	6.00	104.20	ST	CG
		EX	EMB-5365	MD162800	28.00	6.00	104.00	ST	CG
WIRA 2.0D	4	IN	IMB-0361	MD186756	36.00	8.00	114.10	F	CG
		EX	EMB-5361	MD173603	32.00	8.00	113.80	F	CG



ENGINE VALVE for MOTORCYCLE

HONDA

VEHICLE MODEL	IN EX	DOKURO No.	REFERENCE No.
CB550	IN	IHO-2001	14711-107-020
	EX	EHO-6001	14721-323-000
GL1000/1100 (ACTY)	IN	IHO-0108	14711-371-000 14711-679-620/1
	EX	EHO-5108	14721-371-000 14721-679-620
CB100/CB125S GL100	IN	IHO-2001	14711-107-000/020
	EX	EHO-6030	14721-324-000/010
CB250/CB350	IN	IHO-2002	14711-286-030
	EX	EHO-6002	14721-286-020
CB650/C	IN	IHO-2082	14711-426-000/3
	EX		
CB750	IN	IHO-2004	14711-300-005
	EX	EHO-6004	14721-300-005
CB250T/N	IN	IHO-2005	14711-414-000
	EX		
CS90 ATC90/100	IN	IHO-2007	14711-028-000
	EX	EHO-6007	14721-028-000/600 14721-028-602/790
GL500/CX500	IN	IHO-2008	14711-415-000
	EX	EHO-6008	14721-415-000
CB400T/N	IN	IHO-2009	14711-413-000
	EX	EHO-6064	14721-413-000
CB750F/C CBX750KZ	IN	IHO-2010	14711-422-000
	EX	EHO-6010	14721-422-000
GL125/XR200 ATC125/ATC200 XL125/XL125S/XL185/XL200	IN	IHO-2011	14711-437-000 14711-440-003
	EX	EHO-6011	14721-437-000
C70/CD70(OLD) CD65/CT70 ATC70	IN	IHO-2013	14711-087-000
	EX	EHO-6013	14721-087-000/010 14721-087-910 14721-089-000



ENGINE VALVE for MOTORCYCLE

HONDA

VEHICLE MODEL	IN EX	DOKURO No.	REFERENCE No.
C50/C70/C90/C700	IN	IHO-2017	14711-036-000
SS50/CS50	EX	EHO-6017	14721-036-000
CD70C/ST70		EHO-6020	14721-036-010 14721-051-711
CB125	IN	IHO-2019	14711-230-010
CD125	EX	EHO-6019	14721-303-000
CB175/CD175	IN	IHO-2021	14711-235-010
SS110	EX	EHO-6021	14721-235-010 14721-302-010
CG110/CG125	IN	IHO-2027	14711-383-000
	EX	EHO-6027	14721-383-000
C70/CD70 (NEW)	IN	IHO-2028	14711-087-710
C70Z2/ATC70	EX	EHO-6028	14721-087-710
XL250/XR250	IN	IHO-2033	14711-428-000
	EX	EHO-6033	14721-428-000 14721-471-000
C90 CUSTOM	IN	IHO-2036	14711-GN5-910/1
CD100 ASTREA			14711-GN5-912
EX5 DREAM	EX	EHO-6036	14721-GF6-000/010
C70C/C90	IN	IHO-2037	14711-GB5-760/1
CH80/ELITE	EX	EHO-6050	14721-GB5-760/1
C900/FAME	IN		
	EX	EHO-6037	14721-GB6-000/910
CB125T/CM200	IN	IHO-2040	14711-152-000
CD185/CD195/CD200		IHO-2041	14711-399-000
XR75/XR100/XE75/XL100	EX	EHO-6040	14721-116-000 14721-176-000
CBX125F	IN	IHO-2042	14711-KK6-000
	EX	EHO-6042	14721-KK6-000
XL500/XR500	IN	IHO-2043	14711-429-000
	EX	EHO-6043	14721-429-000
CH125C/CH150	IN	IHO-2044	14711-KJ9-000
ELITE150/CH150	EX	EHO-6044	14721-KN7-670/900



ENGINE VALVE for MOTORCYCLE

HONDA

VEHICLE MODEL	IN EX	DOKURO No.	REFERENCE No.
CG125M	IN	IHO-2045	14711-KCS-650
	EX	EHO-6045	14721-KCS-650
XL/XR250RF-RH	IN	IHO-2046	14711-KK1-000
	EX	EHO-6046	14721-KK1-000
		EHO-6042	14721-KK6-000
XLX250R	IN	IHO-2047	14711-KG0-000
	EX	EHO-6047	14721-KG0-000
GL145	IN	IHO-2048	14711-KG2-000
	EX	EHO-6048	14721-KG2-000
GL125	IN	IHO-2052	14711-KC6-950
	EX	EHO-6052	14721-KC6-950
C50C SPACY50	IN	IHO-2054	14711-GB4-681
			14711-GR0-010
	EX	EHO-6050 EHO-6054	14721-GB5-760/1 14721-GE0-003 14721-GR0-010
CB250/NIGHTHAWK	IN	IHO-2055	14711-KC1-920
	EX	EHO-6055	14721-KC1-920
XR250 96 ~ 98	IN	IHO-2056	14711-KCZ-000
XR600	EX	EHO-6056	14721-KCZ-000
XR500RE/600RE-RF	IN	IHO-2058	14711-MG3-000
XR600/XR650/NX650 2005	EX	EHO-6058	14721-MG3-000
CB900F CB1100C/F/RC	IN	IHO-2059	14711-438-000
	EX	EHO-6059	14721-438-000
NX150	IN	IHO-2060	14711-KW1-900
	EX	EHO-6060	14721-KW1-900
CBX200	IN	IHO-2061	14711-KBB-900
	EX	EHO-6061	14721-KBB-900
XL350/XR350	IN	IHO-2062	14711-KL3-670
	EX	EHO-6062	14721-KF0-000
XR400	IN	IHO-2063	14711-KCY-670
	EX	EHO-6063	14721-KCY-670
CG150 TITAN	IN	IHO-2065	14711-KRM-840
	EX	EHO-6065	14721-KRM-840



ENGINE VALVE for MOTORCYCLE

HONDA

VEHICLE MODEL	IN EX	DOKURO No.	REFERENCE No.
CG125/TITAN 2000	IN	IHO-2066	14711-KGA-B00
	EX	EHO-6066	14721-KGA-B00
CG125/TODAY/TITAN 1999	IN	IHO-2070	14711-KY0-890
	EX	EHO-6070	14721-KY0-890
TRX200SX	IN	IHO-2071	14711-HB3-000
	EX	EHO-6071	14721-HB3-000
ELITE250 MOD. VLEJO	IN	IHO-2072	14711-KS4-000
	EX	EHO-6072	14721-KS4-000
CRF250	IN	IHO-2073	14711-KRN-670
	EX	EHO-6073	14721-KRN-670
	IN	IHO-2074	14711-GN5-910N
	EX	EHO-6074	14721-GF6-000N
	IN	IHO-2075	14711-MA4-770
	EX		
	IN	IHO-2076	14711-KPF-900
	EX	EHO-6076	14721-KPF-900
	IN	IHO-2077	14711-KW3-000
	EX	EHO-6077	14721-KW3-000
	IN	IHO-2078	14711-MAL-000
	EX	EHO-6078	14721-MAL-000
CBF150	IN	IHO-2079	14711-KSP-910
	EX	EHO-6079	14721-KSP-910
CX340	IN	IHO-2153	14711-ZE3-000
	EX	EHO-6153	14721-ZK6-800
GX120	IN	IHO-2154	14711-ZF0-010
	EX	EHO-6154	14721-ZF0-000
GX160 GX120	IN	IHO-2155	14711-ZF1-000
	EX	EHO-6155	14721-ZF1-000
CBD125/150	IN	IHO-2079	14711-KSP-910
	EX	EHO-6079	14721-KSP-910
CB400F	IN	IHO-2080	14711-377-000
	EX	EHO-6080	14721-377-000
WAVE C110 AFX110	IN	IHO-2081	14711-KWB-600
	EX	EHO-6081	14721-KVY-600
CB650	IN	IHO-2082	14711-426-003/0
	EX	EHO-6082	14721-426-000



ENGINE VALVE for MOTORCYCLE

KAWASAKI

VEHICLE MODEL	IN EX	DOKURO No.	REFERENCE No.
Z-1 Z-1A/B	IN	IKW-2101	12004-012
KZ900	EX	EKW-6106	12005-005
AN80(JOY)	IN	IKW-2106	12004-1014/1060
	EX	EKW-6106	12005-1012/1056
AX-1/AN-90	IN	IKW-2107	12004-1055/1161
BR100/NEO MAX	EX	EKW-6107	12005-1055/1348
KLR250	IN	IKW-2018	12004-1077/1119
	EX	EKW-6108	12005-1052
NINJA250	IN	IKW-2109	12004-1074
	EX	EKW-6109	12005-1091
KZ650/B1-H1	IN	IKW-2110	12004-016
	EX	EKW-6110	12005-008
KZ1000/A1-E1	IN	IKW-2111	12004-017/1010
	EX	EKW-6111	12005-009/1009
KZ750/E1-H3	IN	IKW-2112	12004-1007
	EX		12004-1013
KZ1100/A1-L1	IN	IKW-2113	12005-1011
KZ1000/J1-R1	EX	EKW-6113	12004-1128
KLR-250	IN	IKW-2114	12005-1237
	EX	EKW-6114	12004-1107
ZEPHYR 1100	IN		12005-1179
	EX		
GPZ400	IN	ISP-0186	12004-1075
	EX	ESP-5186	12005-1062



ENGINE VALVE for MOTORCYCLE

SUZUKI

VEHICLE MODEL	IN EX	DOKURO No.	REFERENCE No.
GS150	IN	ISZ-0419	12911-30H00
	EX	ESZ-5419	12912-30H00
AX100	IN	ISZ-0420	12911-33GC0
	EX	ESZ-5420	12912-33GC0
XF650	IN	ISZ-0421	12911-04F00
	EX	ESZ-5421	12912-04F00
GS125/DR125 DR125(MOD.VLEJO)	IN	ISZ-2401	12911-05211
	EX	ESZ-6401	12912-05210/11
FB50	IN	ISZ-2406	12911-09401
	EX	ESZ-6406	12912-09401
FB80	IN	ISZ-2407	12911-02A00
	EX	ESZ-6407	12912-02A00
DR250(MOD.NVO)	IN	ISZ-2408	12911-15D01
	EX	ESZ-6408	12912-15D01
DR350	IN	ISZ-2409	12911-14D01
	EX	ESZ-6409	12912-14D01
DR250	IN	ISZ-2410	12911-38200
	EX	ESZ-6410	12912-38200
FB100	IN	ISZ-2411	12911-30A11/12
	EX	ESZ-6411	12912-30A11
FD110/FX110 FD110VIVA	IN	ISZ-2412	12911-30D00
	EX	ESZ-6412	12912-30D00
GSXR11	IN	ISZ-2413	12911-06B02
	EX	ESZ-6413	12912-06B00
GN125X	IN	ISZ-2414	12911-04B00
	EX	ESZ-6415	12912-24400
GSX750	IN	ISZ-2415	12911-17C02
	EX		
FD125	IN	ISZ-2416	12911-09G20
	EX	ESZ-6416	12912-20G20
GN125H/GS125	IN	ISZ-2417	12911-12F50/60
	EX	ESZ-6417	12912-12F50/60
	IN	ISZ-2418	12911-28G10
	EX	ESZ-6418	12912-33G00



ENGINE VALVE for MOTORCYCLE

SUZUKI

VEHICLE MODEL	IN EX	DOKURO No.	REFERENCE No.
FD125	IN	ISZ-3416	12911-09G20
	EX	ESZ-7416	12912-20G20
GS150	IN	ISZ-0419	12911-30H00
	EX	ESZ-6418	12912-33G00
AX100-4	IN	ISZ-0420	12911-33GC0
	EX	ESZ-5420	12912-33GC0
XF650	IN	ISZ-0421	12911-04F00
	EX	ESZ-5421	12912-04F00
GS400/850	IN		12911-45011/45030
	EX		12912-45011/45021



ENGINE VALVE for MOTORCYCLE

YAMAHA

VEHICLE MODEL	IN EX	DOKURO No.	REFERENCE No.
XT250/TT250	IN	IYH-2213	3Y1-12111-00
SR250	EX	EYH-6213	3Y1-12121-00
XT/BW200 XT225	IN	IYH-2214	5H0-12111-00/01
TT225S/T	EX	EYH-6214	5H0-12121-00/01
CRYPTON 105	IN	IYH-2215	4GL-12111-00
	EX	EYH-6215	4ST-12121-00
XC125	IN	IYH-2216	50M-12111-00
	EX	EYH-6216	50M-12121-00
YBR125	IN	IYH-2218	5AP-12111-01
	EX	EYH-6218	5HP-12121-00
XT250T	IN	IYH-2219	30X-12111-00/01
	EX	EYH-6219	30X-12121-00
XT-600	IN	IYH-2220	1VJ-12111-00
	EX	EYH-6220	1VJ-12121-00
	IN	IYH-2221	5HH-E2111-00
	EX	EYH-6221	5HH-E2121-00
	IN	IYH-2222	5LW-E2111-00
	EX	EYH-6222	5LW-E2121-00
	IN	IYH-2223	5KA-E2111-00/00A
	EX	EYH-6223	5KA-E2121-00/00A
FJ1200	IN	IYH-2225	36Y-12111-00
	EX	EYH-6225	36Y-12121-00
FZ16	IN	IYH-2226	21C-E2111-01/00
	EX	EYH-6226	21C-E2121-00
YW125	IN	IYH-2227	4C6-E2111-00
	EX	EHY-6227	4C6-E2121-00
	IN	IYH-3218	5AP-12111-01N
	EX		
	IN	IYH-3221	5HH-E2111-005
	EX	EYH-7221	5HH-E2121-005
	IN	IYH-3222	5LW-E2111-005
	EX	EYH-7222	5LW-E2121-005
	IN	IYH-3223	5KA-E2111-005/005A
	EX	EYH-7223	5KA-E2121-005



ENGINE VALVE for MOTORCYCLE

YAMAHA

VEHICLE MODEL	IN EX	DOKURO No.	REFERENCE No.
FZR1000 ⑧ ⑧ 20VALVE ④	IN	IYH-2228	3GM-12111-01
	1N2	IYH-3228	3GM-12112-01
	EX	EYH-6228	3GM-12121-00 4SV-12121-00
	IN	IYH-2229	2J2-12111-00/01
	EX		

BAJAJ

VEHICLE MODEL	IN EX	DOKURO No.	REFERENCE No.
	IN	IMC-0901	DJ-1011-24
	EX	EMC-5901	DJ-1011-25
	IN	IMC-0903	DP-1010-18
	EX	EMC-5903	DP-1010-19
PULSAR 200/220	IN	IMC-0906	DK-1013-27IN
	EX	EMC-5906	DK-1013-27EX
PULSAR 135	IN	IMC-0907	JD-5112-01
	EX	EMC-5907	JD-5112-02

AKT

VEHICLE MODEL	IN EX	DOKURO No.	REFERENCE No.
AKT110	IN	ICM-0904	14030-03-01
	EX	ECM-5904	14031-03-01
AKT125	IN	ICM-0905	14030-01-01
	EX	ECM-5905	14031-01-01



ENGINE VALVE FOR INDUSTRIAL EQUIPMENT

MAKER	VEHICLE MODEL	DOKURO No.	PART No.	Dia	Fan	Lenght	Seat	Groove	DOKURO SPEC
KOMATSU	4D94	IKM-0716	6140-41-4111	9.00	40.00	134.00	45°	2R	A
		EKM-5716	6140-42-4210	9.00	35.00	134.00	45°	2R	BSS
	4D95/6D95/S6D95	IKM-0713	6207-41-4110	8.00	44.00	128.00	45°	1S	AN
		EKM-5713	6204-43-4210	8.00	38.00	128.00	45°	1S	BN
	6D105	IKM-0712	6136-42-4110	9.00	47.00	128.00	60°	1R	A
		EKM-5712	6136-42-4210	9.00	41.00	148.50	45°	1R	BS
	6D102	IKM-0721	6736-41-4110	8.00	45.00	129.20	60°	1R+	
	S6D102	EKM-5721	6736-41-4210	8.00	42.00	128.00	45°	1R+	
	S4D106-2	IYM-0902	123900-11100 KYM123900-11100	9.00	44.50	126.00	60°	1S	
		EYM-5902	123900-11110 KYM123900-11110	9.00	39.00	126.00	45°	1S	
	YANMAR								
	6D105	IKM-0703	6136-41-4110	10.00	46.00	145.50	60°	1R	A
		EKM-5703	6136-41-4210	10.00	40.00	145.50	45°	1R	BSN
	S6D105	IKM-0712	6138-42-4110	9.00	47.00	148.50	60°	1R	A
		EKM-5712	6138-42-4210	9.00	41.00	148.50	45°	1R	BS
	SAD110	IKM-0714	6221-41-4110	9.00	50.00	148.50	60°	1R	AN
		EKM-5714	6221-41-4210	9.00	44.00	148.50	45°	1R	BSN
	4D120	IKM-0707	6110-43-4110	11.00	53.00	172.00	45°	1R	A
		EKM-5707	6110-43-4210	11.00	49.00	173.00	45°	1R	BS
	6D125	IKM-0715	6150-41-4111	9.00	45.00	169.50	60°	1R	AN
		EKM-5715	6150-41-4210	9.00	44.00	169.50	45°	1R	BSN
	6D130	IKM-0706	6610-41-4110	10.00	44.00	179.50	60°	2R	AN
		EKM-5706	6610-41-4210	10.00	44.00	179.50	60°	2R	BS
	SAD95L	IKM-0718	6209-41-4110	8.00	44.00	128.00	60°	1R	AN
		EKM-5718	6209-41-4210	8.00	38.00	128.00	45°	1R	BSN
	6D140	IKM-0720	6215-41-4110	10.00	52.00	169.20	60°	1R	A
		EKM-5720	6215-41-4212	10.00	50.00	169.20	45°	1R	BS
	S6D155	IKM-0701	6127-41-4113	11.00	56.00	212.50	60°	1R	A
		EKM-5701	6127-41-4214	11.00	53.00	213.00	45°	1R	BS
	SD170	IKM-0717	6162-43-4110	12.00	57.00	196.50	60°	1R	A
		EKM-5717	6164-41-4211	12.00	56.00	196.50	45°	1R	BSN
	D130	IKM-0702	6114-41-4110	11.00	53.00	172.00	60°	1R	A
		EKM-5702	6114-41-4210	11.00	49.00	173.00	45°	1R	BS
	D105	IKM-0705	6130-41-4131	10.00	46.00	150.00	60°	2R	A
		EKM-5705	6130-41-4210	10.00	40.00	150.00	45°	2R	BS
	A855	IKM-0704	6712-41-4110	12.00	49.00	180.00	60°	2R	A
		EKM-5704	6712-41-4210	12.00	47.00	180.00	60°	2R	BS
	S6D125	IKM-0719	6150-42-4110	9.00	45.00	170.00	60°	1R	AN
		EKM-5719	6150-42-4210	9.00	44.00	170.80	45°	1R	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-0702	14711-890-000
		EX	EHO-5702	14721-890-000
	GENERATOR CX340	IN	IHO-2153	14711-ZE3-000
		EX	EHO-6153	14721-ZE3-810 14721-ZK6-800
KUBOTA		IN	IKB-4002	13961-13110
		EX	EKB-9002	13961-13910
		IN	IKB-4003	12231-13110
		EX	EKB-9003	13952-13120
	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
	GS300	IN	IKB-	13961-13110
		EX	EKB-	13961-13910
ROBIN	EY20	IN	IRB-0501	227-33401-03 282-33401-03
		EX	ERB-5501	227-33501-03 282-33501-03
	EY28	IN	IRB-0502	234-33401-03
		EX	ERB-5502	234-33501-03

VALVE GUIDE

DAIHATSU

ENGINE TYPE	PARTS NO.	IN/EX	CYL	REMARKS
AB	11124-87701	IN/EX	4	
HC/HD	11124-87101	IN	4	
	11128-87101	EX	4	
EF	11124-87203	IN	3	PERODUA
	11128-87202	EX	3	
K3-VE KF-VE 1KR-FE 2SZ/3SZ	11122-21010	IN/EX	4	
CB	11124-87701	IN/EX	6	
DG	11122-56030	IN/EX	8	11122-87301

HINO

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

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HINO

ENGINE TYPE	PARTS NO.	IN/EX	CYL	REMARKS
EF100(old)	11122-1020	IN	8	
EF300(old) EG100	11126-1020	EX	8	
EP300(new) EG100(new)	11122-1040 -1150	IN/EX	8	
EF550 EF750	11122-1040 -1150	IN/EX	8	
EH100	11122-1090	IN	6	
	11126-1050	EX	6	
EH300	11122-1070	IN	6	
	11126-1041	EX	6	
EH500 EH700	11122-1060A -1200 -1201	IN/EX	6	
EH700(new) H07C H07D	11122-1180	IN/EX	6	
EK100(old)	11122-1010	IN	6	
	11126-1010	EX	6	90.0mm
EK100(new)	11122-1011/1160	IN	6	83.5mm
	11122-1040	EX	6	87.0mm
EL100	11122-1080A	IN	6	
	11126-1070A	EX	6	
EM100	11122-1120	IN/EX	6	
EP100	11122-1130	IN/EX	6	
EP200	11122-1110	IN/EX	6	
W04D/W06D	11122-1140 11122-1250 S1112-21250 11122-78010 11122-89102	IN/EX	4	
EH300	11126-1041	IN/EX	6	
J08	11122-1220	IN/EX	6	
P11C	11122-1190	IN/EX	6	

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HONDA

ENGINE TYPE	PARTS NO.	IN/EX	CYL	REMARKS
EB Civic 1200(75-77)	12208-634-000	IN	4	
Accord 1200(76-77)	12209-634-000	EX	4	
EB Civic 1200(78-79)	12204-636-920	IN	4	
ED Civic 1500				
EF Accord 1600(76-79)				
EM Civic 1500(79-82)	122205-657-305	EX	4	
EN EJ Civic 1300				
EW Civic 1500(83-)				
EV Civic 1300(84-86)				
EK Accord 1800(82-83)	12204-689-305	IN	4	12204-689-300
Accord(79-81)				
Prelude(79-82)	12205-689-305	EX	4	12205-689-300
EK	12204-PC6-305	IN	4	
Prelude 1800(83-)	12205-689-305	EX	4	
ES	12204-PC6-305	IN	4	
Accord 1800(83-)	12205-657-305	EX	4	Length 63mm
D13/D15	12204-PJ7-305	IN	4	
	12205-PJ-305	EX	4	
	12204-PA6-305	IN	4	
	12205-PA6-305	EX	4	
CIVIC ZA/ZC	12204-PG6-305	IN	4	
	12205-PG6-305	EX	4	
B20 AB,AC	12204-PC6-305	IN	4	
	12205-PC6-305	EX	4	
RF1	12204-PM7-305	IN	4	
B20B	12205-PM7-305	EX	4	
	12204-PH7-305	IN	4	
	12205-PH7-305	EX	4	
	12204-PR3-305	IN	4	
	12205-PR3-305	EX	4	
	12204-PR7-305	IN	4	
	12205-PR7-305	EX	4	

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ISUZU

ENGINE TYPE	PARTS NO.	IN/EX	CYL	REMARKS
G150,160 G201	9-11721-109-0	IN/EX	4	
G161 G180	9-11721-156-0	IN/EX	4	
G180	9-11721-201-0	IN	4	
	9-11721-203-0	EX	4	
G161Z G180Z G200Z	8-94206-762-0	IN	4	
	8-94206-763-0	EX	4	
4BA1 4BB1 4B1 C330 4BC2 4BE1 6BB1 6BD1	5-11721-001-0	IN/EX	4	
C221 C240 C190	9-11721-113-0	IN/EX	4	
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	4	
C240(new)	5-11721-006-0	IN/EX	4	
D500z(old)	9-11721-804-0	IN/EX	6	
D500(new) 4BD1 6BB,6BD,6BF,6BG	5-11721-001-0	IN/EX	6	
DA120 DA640	9-11721-160-0	IN/EX	6	
DH100(new)	9-11721-120-0	IN/EX	6	
E120	9-11721-212-0	IN/EX	6	
4FA1 4FB1 4FC1	5-11721-015-0	IN/EX	4	
6RA1 6RB1	1-11721-001-0	IN/EX	6	
8MA1	1-11721-001-0	IN/EX	8	

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ISUZU

ENGINE TYPE	PARTS NO.	IN/EX	CYL	REMARKS
6QA1 E110	9-11721-165-0	IN/EX	6	
10PA1 10PB1 10PC1	1-11721-004-0	IN/EX	10	
6SD1 6SA1	1-11721-008-0	IN/EX	6	
4H/6H	8-94396-598-0	IN/EX	4	
4XC1	8-94176-717-0	IN	4	
	8-94176-718-0	EX	4	
6DV1	8-94316-157-0	IN/EX	6	
6VD1	8-94362-645-1	IN/EX	6	
	8-94176-708-0			
6WA1 6WG1	1-11721-012-0	IN/EX	6	10mm
6HK1 6HH1 4HK1	8-94390-780-0	IN/EX	6	8mm
			4	
4JJ1 4JK1	8-94239-423-0	IN/EX	4	7mm
4HK 6HK 6UZ	8-97376-719-1	IN/EX	4	8mm
			6	
			6	

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KOMATSU

ENGINE TYPE	PARTS NO.	IN/EX	CYL	REMARKS
4D92	6140-19-1310	IN/EX	4	
4D94	6142-19-1310	IN/EX	4	
4D95	6204-19-1311/0	IN/EX	4	
4D105	6130-19-1310	IN/EX	4	
S4D105-5 (Eng.100022-149999)	6136-19-1330	IN/EX	4	
S4D105-5 (Eng.150007-)	6136-19-1430	IN/EX	4	
(S)4D130	6110-13-1311	IN/EX	4	
(S)4D155	6127-11-1341	IN/EX	4	
(S)6D95-L1	6204-19-1311/0	IN/EX	6	
6D105	6136-19-1330	IN/EX	6	
(S)6D125	6150-12-1341	IN	6	
	6150-12-1351	EX	6	
HN220	6610-11-1311	IN/EX	6	
HN220	6610-11-1310	IN/EX	6	
NT855	6710-11-1311	IN/EX	6	
6D108	6221-19-1311	IN/EX	6	
6D102	6736-19-1310	IN	6	
	6736-19-1410	EX	6	
S6D170	6162-16-1341	IN/EX	6	
6D140	6210-16-1340	IN/EX	6	

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MAZDA

ENGINE TYPE	PARTS NO.	IN/EX	CYL	REMARKS
B6	B6Z0-10-280	IN	4	
	B6Z0-10-290	EX	4	
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 S1 HA(old)	0636-10-104B	IN/EX	8	
XA(new) HA(new)SL	SE01-10-104	IN/EX	8	
ZA ZB T4100	0636-10-104B	IN/EX	12	
TF	TF01-10-281A	IN/EX	8	
B5	B6Y0-10-290	IN/EX	4	
F2	F2Y1-10-280A	IN	4	
	F2Y1-23-091	EX	4	
PN	PN11-10-280	IN/EX	4	
WL W9	WLY1-10-280	IN	4	
	WLY2-10-280	EX	4	
	F2Y2-10-280	IN/EX	4	
Z5	Z5Y1-10-280A	IN/EX	4	
FS	FSY1-10-280	IN/EX	4	
ZY	ZJY1-10-281	IN/EX	4	

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mitsubishi

ENGINE TYPE	PARTS NO.	IN/EX	CYL	REMARKS
2G23	MD079660	IN	2	
	MD079661	EX	2	
G11B,12B,13B,15B	MD016441	IN	4	MD356013
G23B	MD016445	EX	4	MD343941
4G30,31,32,35,36	MD000461	IN	4	
G32,33B	MD000471	EX	4	
4G41,42	MD010461	IN	4	
	MD010466	EX	4	
4G51,52,54	MD020551	IN	4	
	MD020561	EX	4	
4D30	ME031293	IN/EX	4	
4D30(new)	ME031886	IN	4	
4D31/34	ME031888	EX	4	
4D55	MD050523	IN	4	
4D56	MD050527	EX	4	
4DR5 4DQ5	30601-25600	IN/EX	4	30601-10600
4DQ5	31301-10600	IN	4	
	31301-10601	EX	4	Straight Type
6D10,11	ME031886	IN	6	
6D14 4D30	ME031888	EX	6	
6D20	ME051120	IN	6	31101-10603
6D22	ME051122	EX	6	30001-10603
6DB1	ME051122	IN/EX	6	30001-10603
6DS7(short)	ME031293	IN/EX	6	
6DS7(long)	ME020158	IN/EX	6	
6DC2	ME051120	IN	6	31101-00601
	ME051122	EX	6	31101-10603
8DC2/9	ME051120	IN	8	31101-00601
	ME051122	EX	8	30001-10603
4S	32A01-01600	IN/EX	4	

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MITSUBISHI

ENGINE TYPE	PARTS NO.	IN/EX	CYL	REMARKS
S6A(old) S6B(old)	32501-00700	IN/EX	6	
S6A(new) S6B(new)	32501-10700	IN/EX	6	
6G72	MD300702	IN		
	MD172530	EX		
4M40	ME200007	IN	4	
	ME201501			
	ME200009	EX	4	
	ME201504			
4G61	MD126605	IN	4	
	MD372791			
	MD126608	EX	4	
	MD372795			
6A10	MD337622	IN		(MD187205)
	MD337625	EX		(MD179910)
4D65/68	MD076354	IN	4	
	MD076358	EX	4	
S6K	34601-10600	IN	6	
	34201-01600	EX	6	
6D40	ME120085	IN		
	ME120087	EX		
6G75	MD364870	IN	6	
	1011A254	EX	6	
4D56N	1010A109	IN	4	
	1011A074	EX	4	
	MD364740			
4G69	MD364870	IN		
	1011A254	EX		
4D65/68	MD076354	IN	4	
	MD076358	EX	4	

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MITSUBISHI

ENGINE TYPE	PARTS NO.	IN/EX	CYL	REMARKS
4G32/37 6G72	MD185850	IN/EX	4	
4M41	ME204179 MD07280	IN	4	
	ME204182	EX	4	
4B11/12	1010A164	IN/EX	4	
6B31	MD337622	IN	6	
	MD337625	EX	6	
4M51	ME240030	IN	4	
	ME240032	EX	4	

PROTON

ENGINE TYPE	PARTS NO.	IN/EX	CYL	REMARKS
GEN 2 PERDANA EXORA	PW811076	IN/EX	4	

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NISSAN

ENGINE TYPE	PARTS NO.	IN/EX	CYL	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	
A15	13212-H8510	IN	4	
	13213-H8510	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	
E13/15	13212-01M01/11	IN	4	
	13213-01M01/11	EX	4	
E13	13212-15M11	IN	4	
	13213-15M11	EX	4	
GA13/14/15/16	13212-53Y60	IN	4	
	13213-53Y60	EX	4	
GA14 12VALVE	13212-77A60	IN	4	
	13213-77A60	EX	4	
J13	13211-30001	IN	4	
J15	13213-30002	EX	4	
J16	13211-01W10	IN	4	
	13213-01W10	EX	4	
J16/18	13212-24W00/10	IN	4	
	13213-24W00/10	EX	4	
L18	13212-21011	IN	4	U0110/1
L20B	13213-21011	EX	4	U0110/1
L24 L26	13212-21011	IN	6	U0110/1
L28	13213-21011	EX	4	U0110/1
MA10	13212-01B01/11	IN	4	
	13213-01B01/11	EX	4	
P40	13212-58001	IN	6	
	13213-58001	EX	6	

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NISSAN

ENGINE TYPE	PARTS NO.	IN/EX	CYL	REMARKS
P40	13212-C6000/1	IN	6	
	13213-C6000/1	EX	6	
QR20/25	13212-8P360	IN	4	
	13213-6N260	EX	4	
VG/RB	13212-V5010/1	IN	6	
	13213-V5010/1	EX	6	
Z16 Z18 Z20	13212-W0501	IN	4	13212-W0410/-W0500
Pulsar SE(80-81)	13213-W0510	EX	4	13213-W0410/-W0500
240SX('89)	13212-40F60/00	IN	4	
KA24	13213-40F60/00	EX	4	
KA24	13212-60U60	IN	4	
	13213-53F60	EX	4	
ED30	13212-J2000	IN/EX	8	
ED33	13211-J6500	IN/EX	8	
ED33(new)	13211-Z5001	IN/EX	8	
ED6	13211-Z5001	IN/EX	6	
FD6				
FD35	13211-Z5501	IN/EX	6	
FE6	13211-Z5500	IN/EX	6	
FE6T 24V	13211-Z6001	IN/EX	6	
MD92				
ND6	13211-95000	IN/EX	6	
ND6	13211-95001	IN/EX	6	
PD6	13212-96001	IN	6	
PE6	13211-97001	EX	6	
FE6T	13211-96009	IN	6	
	13212-96002	EX	6	
PD6T	13212-96002	IN	6	With Screw
	13211-97001	EX	6	
PD6	13212-96009	IN	6	1mm shorter than 13212-96002
	13211-96007	EX	6	With Screw

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NISSAN

ENGINE TYPE	PARTS NO.	IN/EX	CYL	REMARKS
RD8(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	
RD8(new)	13211-96006	IN/EX	8	
RF8	13212-95005	IN	8	
	13211-96009	EX	8	With Screw
SR20	13212-53J60	IN	4	
	13213-53J60	EX	4	
UQ35	13212-58S60	IN		
	13213-31U60	EX		
SD23 SD25	13211-V1700	IN/EX	8	
TD23 TD25 TD27	13212-43G01	IN/EX	8	43G25
TB42S	13212-03J10	IN		
	13213-03J10	EX		
TD45	13212-54T00/01	IN/EX	4	
UD6(low cam)	13211-90000	IN/EX	6	
UD4(high cam)	13211-90005	IN/EX	4	
PE6T	13212-96011	IN	6	
	13211-96007	EX	6	
ND6,NE6	13212-97000	IN/EX	6	
YD22/25	13212-AD260	IN	4	
	13213-AD260	EX	4	
HR15 HR16	13212-ED060	IN		
	13213-ED060	EX		
MR18	13212-EN260	IN		
MR20	13213-EN260	EX		

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SUBARU

ENGINE TYPE	PARTS NO.	IN/EX	CYL	REMARKS
EK22,23	38090-2100	IN	2	
	38091-2100	EX	2	
EA63,64,65 EA71,81	88090-4110	IN/EX	8	38090-8660/-8600
EF10	38090-2100	IN	3	
	38091-2100	EX	3	
EJ2#	13212-AA040	IN/EX	4	

SUZUKI

ENGINE TYPE	PARTS NO.	IN/EX	CYL	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	
K6A	11115-73G00	IN/EX	3	
F6A	11115-77G00	IN/EX	3	
G10/G16A TICO	11115-62D00/70B00	IN/EX		
J20	11115-85FA0/1	IN/EX	4	
	11115-69G00	IN/EX	4	
M15A	11115-54G00	IN/EX	4	
G13-16	11115-60B11	IN/EX	4	

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TOYOTA

ENGINE TYPE	PARTS NO.	IN/EX	CYL	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	
1AZ/2AZ	11122-28010	IN	4	
	11126-20020	EX	4	
1AR/2AR	11122-31050	IN	4	
	11126-31030	EX	4	
B 2B 3B(old)	11122-56021	IN/EX	8	
3B(new)	11122-56030	IN/EX	8	
15B	11122-58010-20	IN/EX	4	
1C	11126-24020	IN/EX	8	
2C	11122-64010	IN	4	
	11126-64010	EX	4	
D 2D	11122-76020	IN/EX	12	10mm
1Z/11Z	11122-76004-71	IN/EX	8	9mm
	11122-46010			
IDZ	11126-76004-71 11122-64010	IN/EX	8	8mm
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	IN	6	
	11126-60021	EX	6	
2F	11122-61011	IN	6	11122-61010
	11126-61011	EX	6	11126-61010

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TOYOTA

ENGINE TYPE	PARTS NO.	IN/EX	CYL	REMARKS
1FZ	11122-66020	IN/EX	6	
1G-EU	11122-15020	IN	6	
	11126-70020	EX	6	
1G-GEU	11122-88310 (-88320)	IN/EX	24	
1GR 1ZZ/3ZZ 1MZ/2MZ/3MZ 1AZ/2AZ	11122-20020	IN	4	
	11126-20020	EX	4	
H 2H	11122-68010	IN/EX	12	
1HZ	11122-17020	IN/EX	6	
J 2J	11122-46010	IN	4	
	11126-46010	EX	4	
2J(new)	11122-76004	IN/EX	4	
K	11122-22020	IN	4	
	11126-22020	EX	4	
1KZ-TE	11122-67020	IN/EX		
2K 3K 4K 5K	11122-24020	IN	4	
	11126-24020	EX	4	
1KD/2KD	11122-30020 -30030	IN/EX	4	
L	11122-54011	IN/EX	8	
L(New) 2L 3L	11122-54020	IN/EX	8	
M 2M 3M 4M 5M	11122-41020	IN	6	
	11126-41040	EX	6	
5M-GEU	11122-43010	IN/EX	6	11126-45020
2NZ/K3-VE/1KR	11122-21010	IN/EX	4	
1NR/2NR	11122-31041	IN/EX	4	

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TOYOTA

ENGINE TYPE	PARTS NO.	IN/EX	CYL	REMARKS
2R(old)	11122-31011	IN	4	
	11126-31011	EX	4	
2R(new)	11122-31012	IN/EX	8	
3R	11122-40010	IN	4	
	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 16R 18R	11122-33011	IN	4	
	11126-33011	EX	4	
19R	11122-34010	IN/EX	8	
20R 21R	11122-38021	IN/EX	8	
			8	
22R	11122-35020	IN/EX	8	
1RZ 2RZ	11122-75010	IN/EX	8	
			4	
3RZ	11122-16020	IN	4	
	11126-50040	EX	4	
1S 2S	11122-63020	IN	4	
	11126-63020	EX	4	
3S/5S	11122-74030	IN/EX	4	
T 2T(old)	11122-25020	IN	4	
	11126-25020	EX	4	
2T 3T 12T 13T	11122-25021	IN	4	
	11126-25021	EX	4	
1TR/2TR	11122-75020	IN/EX	4	
3VZ-FE	11122-65020	IN/EX	6	
1Y 2Y 3Y	11122-71020	IN	4	
	11126-71020	EX		
1ZR/2ZR 1GR	11122-31050	IN		
	11126-31030	EX		

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ECH-5001	ECH-5001	75	EHN-5060	13715-1350	13	EHO-5111	14721-PC3-000	17	EHO-6013	14721-087-910	81
ECH-5003	24102864	76	EHN-5060	2382-1302-00	13	EHO-5111	14721-PC3-600	17	EHO-6013	14721-089-000	81
ECM-5904	14031-03-01	89	EHN-5061	13715-1100	13	EHO-5111	14721-PC3-660	17	EHO-6017	14721-036-000	82
ECM-5905	14031-01-01	89	EHN-5061	13715-1360	13	EHO-5112	14721-657-672	16	EHO-6017	14721-036-010	82
EDH-5002	13715-87101	9	EHN-5061	13715-1130	13	EHO-5113	14721-657-673	16	EHO-6019	14721-303-000	82
EDH-5002	13715-87104	9	EHN-5061	13715-1131	13	EHO-5114	14721-689-660	16	EHO-6020	14721-051-711	82
EDH-5002	13715-87102	9	EHN-5061	2383-1302-10	13	EHO-5116	14721-PA1-000	16	EHO-6021	14721-235-010	82
EDH-5002	4023-1642	9	EHN-5062	13715-1010	13	EHO-5116	14721-PA1-671	16	EHO-6021	14721-302-010	82
EDH-5003	13715-87305	9	EHN-5062	13715-1011	13	EHO-5119	14721-PC6-000	17	EHO-6027	14721-383-000	82
EDH-5003	13715-87304	9	EHN-5062	13715-1000	13	EHO-5119	14721-PH1-000	17	EHO-6028	14721-087-710	82
EDH-5004	13715-87701	9	EHN-5063	13715-1012	13	EHO-5120	14721-676-640	16	EHO-6030	14721-324-000	81
EDH-5004	13715-87702	9	EHN-5063	13715-1013	13	EHO-5120	14721-676-641	16	EHO-6030	14721-324-010	81
EDH-5004	AA100-12-121	75	EHN-5064	13715-1040	13	EHO-5121	14721-PE0-000	17	EHO-6033	14721-428-000	82
EDH-5005	13715-87307	9	EHN-5065	13715-1060	13	EHO-5121	14721-PE0-024	17	EHO-6033	14721-471-000	82
EDH-5005	13715-87309	9	EHN-5065	13715-1061	13	EHO-5122	14721-PC7-000	17	EHO-6036	14721-GF6-000	82
EDH-5006	13715-87311	9	EHN-5066	13715-1140	13	EHO-5123	14721-PE0-660	17	EHO-6036	14721-GF6-010	82
EDH-5007	13715-87703	9	EHN-5067	13715-1240	14	EHO-5124	14721-PH7-000	18	EHO-6037	14721-GB6-000	82
EDH-5008	13715-87319	9	EHN-5068	13715-1111	14	EHO-5125	14721-PE7-000	18	EHO-6037	14721-GB6-910	82
EDH-5008	13715-87317	9	EHN-5068	13715-1110	14	EHO-5126	14721-PM3-000	18	EHO-6040	14721-116-000	82
EDH-5008	13715-87322	9	EHN-5068	13715-1081	14	EHO-5127	14721-PC0-000	18	EHO-6040	14721-176-000	82
EDH-5010	13715-87105	9	EHN-5069	13715-1220	14	EHO-5128	14721-PG6-000	17	EHO-6042	14721-KK6-000	82
EDH-5010	13715-87106	9	EHN-5069	13715-1520	14	EHO-5129	14721-PH3-000	17	EHO-6042	14721-KK6-000	82
EDH-5013	13715-87322	9	EHN-5070	13715-1260	14	EHO-5701	14721-PT0-000	18	EHO-6043	14721-429-000	82
EDH-5014	13715-87201	10	EHN-5070	13715-1580	14	EHO-5701	14721-PT0-B00	18	EHO-6044	14721-KN7-670	82
EDH-5015	13715-87707	10	EHN-5071	13715-1470	14	EHO-5702	14721-890-000	91	EHO-6044	14721-KN7-900	82
EDH-5015	13715-87202	10	EHN-5072	13715-1070	14	EHO-5704	14721-PT3-Y00	18	EHO-6045	14721-KCS-650	83
EDH-5016	13715-97203	10	EHN-5073	13715-1500	14	EHO-5706	14721-PT2-000	18	EHO-6046	14721-KK1-000	83
EDH-5017	13715-87705	10	EHN-5073	13715-1122	14	EHO-5707	14721-PT6-A00	18	EHO-6047	14721-KG0-000	83
EDH-5017	13715-87706	10	EHN-5074	13715-1251	14	EHO-5708	14721-PR3-000	18	EHO-6048	14721-KG2-000	83
EDH-5018	13715-97401	10	EHN-5074	13715-1570	14	EHO-5709	14721-P08-000	18	EHO-6050	14721-GB5-760	83
EDH-5019	13715-97202	10	EHN-5074	13715-78010	14	EHO-5709	1472-P1J-L00	18	EHO-6050	14721-GB5-761	83
EDH-5020	13715-87206	10	EHN-5076	13715-1590	14	EHO-5710	14721-PY3-000	18	EHO-6050	14721-GB5-760	83
EDH-5021	13715-BZ060	10	EHN-5078	13715-1730	14	EHO-5711	14721-P0A-000	18	EHO-6050	14721-GB5-761	83
EDH-5021	13715-B1020	10	EHN-5078	13715-1731	14	EHO-5712	14721-P0A-Y00	18	EHO-6052	14721-KC6-950	83
EDH-5021	13715-BZ070	10	EHN-5078	13715-1732	14	EHO-5713	14721-P07-000	18	EHO-6054	14721-GE0-003	83
EDH-5022	13715-BZ050	10	EHN-5078	13715-1733	14	EHO-5714	14721-P2A-000	18	EHO-6054	14721-GR0-010	83
EDH-5023	13715-B2010	10	EHN-5078	13715-78020	14	EHO-5714	14721-P2A-010	18	EHO-6055	14721-KC1-920	83
EDH-5024	13715-87210	11	EHN-5078	13715-78021	14	EHO-5714	14721-P1J-E00	18	EHO-6056	14721-KCZ-000	83
EDW-5602	12915-78B00	61	EHN-5078	S1371-51733	14	EHO-5714	14721-RNA-A01	18	EHO-6058	14721-MG3-000	83
EDW-5602	12915-78B00	75	EHN-5079	13715-1620	15	EHO-5714	14721-P2A-000	20	EHO-6059	14721-438-000	83
EDW-5602	96352793	75	EHN-5079	13715-1801	15	EHO-5714	14721-P2A-010	20	EHO-6060	14721-KW1-900	83
EDW-5603	96182933	75	EHN-5079	13715-1820	15	EHO-5714	14721-P1J-E00	20	EHO-6061	14721-KBB-900	83
EDW-5604	96182805	75	EHN-5079	13715-1860	15	EHO-5714	14721-RNA-A01	20	EHO-6062	14721-KF0-000	83
EDW-5604	96103130	75	EHN-5080	13715-1750	15	EHO-5715	14721-P0G-A00	19	EHO-6063	14721-KCY-670	83
EDW-5605	96440079	76	EHN-5080	13715-1630	15	EHO-5716	14721-P75-000	19	EHO-6064	14721-413-000	81
EDW-5605	96376980	76	EHN-5080	13715-1631	15	EHO-5717	14721-PN4-000	19	EHO-6065	14721-KRM-840	83
EDW-5605	96830500	76	EHN-5081	13715-1600	15	EHO-5718	14721-P0H-A00	19	EHO-6066	14721-KGA-B00	84
EDW-5606	90410813	76	EHN-5081	13715-1790	15	EHO-5719	14721-PNA-000	19	EHO-6070	14721-KY0-890	84
EDW-5607	96335948	76	EHN-5081	13715-1671	15	EHO-5719	14721-PRB-A00	19	EHO-6071	14721-HB3-000	84
EDW-5607	96496109	76	EHN-5081	13715-1720	15	EHO-5719	14721-PRB-Y00	19	EHO-6072	14721-KS4-000	84
EDW-5701	90323757	75	EHN-5081	S1371-51600	15	EHO-5720	14721-P13-000	19	EHO-6073	14721-KRM-670	84
EDW-5702	90215491	75	EHN-5082	S1371-51870	15	EHO-5721	14721-PWA-000	19	EHO-6074	14721-GF6-000N	84
EHN-5051	13715-1450	12	EHN-5082	13715-78030	15	EHO-5722	14721-PWC-000	19	EHO-6076	14721-KPF-900	84
EHN-5051	2872-1306-01	12	EHN-5083	S1371-51850	15	EHO-5723	14721-P8E-A00	19	EHO-6077	14721-KW3-000	84
EHN-5052	13715-1460	12	EHN-5083	13715-E0080	15	EHO-5723	14721-P8E-A00	19	EHO-6078	14721-MAL-000	84
EHN-5052	2874-1302-01	12	EHO-5102	14721-634-000	16	EHO-5725	14721-R40-A00	19	EHO-6079	14721-KSP-910	84
EHN-5053	13715-1150	12	EHO-5102	14721-634-671	16	EHO-5727	14721-PXK-000	19	EHO-6079	14721-KSP-910	84
EHN-5053	2311-1302-01	12	EHO-5102	14721-634-920	16	EHO-5728	14721-RB0-000	20	EHO-6080	14721-377-000	84
EHN-5054	13715-1290	12	EHO-5102	14721-634-940	16	EHO-5729	14711-RMX-000	20	EHO-6181	14721-KVY-600	84
EHN-5055	2330-1302-12	12	EHO-5103	14721-657-000	16	EHO-6002	14721-286-020	81	EHO-6151	14721-883-000	91
EHN-5055	13715-1330	12	EHO-5103	14721-657-003	16	EHO-6004	14721-300-005	81	EHO-6152	14721-889-000	91
EHN-5056	2380-1302-10	12	EHO-5103	14721-657-010	16	EHO-6007	14721-028-000	81	EHO-6153	14721-ZK6-800	84
EHN-5056	13715-1370	12	EHO-5103	14721-657-671	16	EHO-6007	14721-028-600	81	EHO-6153	14721-ZE3-810	91
EHN-5056	2390-1302-21	12	EHO-5104	14721-611-000	16	EHO-6007	14721-028-602	81	EHO-6153	14721-ZK6-800	91
EHN-5057	13715-1320	12	EHO-5106	14721-689-000	16	EHO-6007	14721-028-790	81	EHO-6154	14721-ZF0-000	84
EHN-5057	2352-1302-01	12	EHO-5108	14721-371-000	16	EHO-6008	14721-415-000	81	EHO-6155	14721-ZF1-000	84
EHN-5058	13715-1380	12	EHO-5108	14721-679-620	16	EHO-6010	14721-422-000	81	EIS-5151	9-12552-801-0	21
EHN-5058	2400-1302-04	12	EHO-5109	14721-PB2-000	16	EHO-6011	14721-437-000	81	EIS-5151	9-12552-801-1	21
EHN-5059	13715-1390	13	EHO-5110	14721-PA6-000	17	EHO-6013	14721-087-000	81	EIS-5151	5-12552-014-0	21
EHN-5059	2400-1302-20	13	EHO-5111	14721-PC1-000	17	EHO-6013	14721-087-010	81	EIS-5151	5-12552-026-0	21

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EIS-5151	8-94027-307-0	21	EIS-5169	9-12552-131-0	24	EIS-5217	8-97015-547-1	27	EMB-5306	31304-01103	34
EIS-5151	8-94118-839-0	21	EIS-5170	8-94217-179-0	24	EIS-5218	8-97169-808-0	27	EMB-5306	ME001116	34
EIS-5151	9-12552-071-0	21	EIS-5170	8-94119-147-0	24	EIS-5219	8-97043-861-1	27	EMB-5306	ME001143	34
EIS-5151	9-12552-090-0	21	EIS-5171	8-94216-590-0	24	EIS-5220	8-97118-767-0	28	EMB-5307	30804-01100	35
EIS-5153	9-12552-175-0	21	EIS-5171	8-94108-307-0	24	EIS-5222	8-97131-962-0	27	EMB-5307	30804-01101	35
EIS-5153	9-12552-215-0	21	EIS-5172	5-12552-034-0	25	EIS-5224	8-90323-757-0	28	EMB-5307	ME021039	35
EIS-5154	9-12552-240-0	21	EIS-5172	5-12552-038-0	25	EIS-5226	8-97171-399-0	28	EMB-5307	ME023882	35
EIS-5154	1-12552-025-0	21	EIS-5172	8-94029-352-0	25	EIS-5227	8-97137-155-0	28	EMB-5308	31104-01103	35
EIS-5154	5-12552-005-0	21	EIS-5179	9-12552-016-0	25	EIS-5228	1-12552-095-0	28	EMB-5308	31204-70200	35
EIS-5154	5-12552-025-0	21	EIS-5180	9-12552-132-0	25	EIS-5229	1-12552-102-1	28	EMB-5308	31204-71101	35
EIS-5154	5-12552-030-0	21	EIS-5181	5-12552-042-0	21	EIS-5232	8-94395-883-0	28	EMB-5308	ME051064	35
EIS-5154	5-12552-031-0	21	EIS-5181	5-12552-023-0	21	EIS-5232	8-94395-883-1	28	EMB-5308	31104-01103	36
EIS-5155	9-12552-607-0	22	EIS-5181	5-12552-036-0	21	EIS-5232	8-94395-883-2	28	EMB-5308	31204-70200	36
EIS-5155	9-12552-601-0	22	EIS-5181	5-12552-043-0	21	EIS-5232	8-97209-876-2	28	EMB-5308	31204-71101	36
EIS-5156	8-94200-743-0	22	EIS-5181	5-12552-048-0	21	EIS-5232	8-97209-876-3	28	EMB-5308	ME051064	36
EIS-5156	8-94200-745-0	22	EIS-5181	8-94333-114-0	21	EIS-5233	1-12552-109-0	28	EMB-5308	ME051567	36
EIS-5156	8-94212-835-0	22	EIS-5181	8-94461-958-0	21	EIS-5235	1-12552-100-3	28	EMB-5308	ME051697	36
EIS-5157	9-12552-098-0	22	EIS-5181	8-97028-706-0	21	EIS-5236	8-97309-677-1	28	EMB-5309	30604-01101	35
EIS-5157	9-12552-128-0	22	EIS-5183	8-94214-920-0	25	EIS-5236	8-98016-974-1	28	EMB-5309	30604-01103	35
EIS-5157	9-12552-129-0	22	EIS-5183	8-94251-274-0	25	EKB-9002	13961-13910	91	EMB-5310	MD014565	35
EIS-5158	9-12552-150-0	22	EIS-5183	8-94460-637-0	25	EKB-9002	13961-13910	91	EMB-5311	ME031154	35
EIS-5158	9-12552-035-0	22	EIS-5183	8-94453-404-0	25	EKB-9003	13952-13120	91	EMB-5311	ME031940	35
EIS-5158	9-12552-054-0	22	EIS-5184	1-12552-027-0	25	EKM-5701	6127-41-4214	90	EMB-5311	ME013833	35
EIS-5158	9-12552-102-0	22	EIS-5186	8-94251-276-0	25	EKM-5702	6114-41-4210	90	EMB-5311	ME170337	35
EIS-5158	9-12552-105-0	22	EIS-5186	8-94136-727-0	25	EKM-5703	6136-41-4210	90	EMB-5312	30004-31101	35
EIS-5159	9-12552-103-0	22	EIS-5186	8-94251-440-0	25	EKM-5704	6712-41-4210	90	EMB-5312	30004-35101	35
EIS-5159	9-12552-151-0	22	EIS-5186	8-94251-044-0	25	EKM-5705	6130-41-4210	90	EMB-5312	30004-35103	35
EIS-5159	9-12552-121-0	22	EIS-5186	8-94441-051-0	25	EKM-5706	6610-41-4210	90	EMB-5312	30004-31201	35
EIS-5159	9-12552-157-0	22	EIS-5186	8-94441-074-0	25	EKM-5707	6110-43-4210	90	EMB-5313	ME011245	36
EIS-5160	1-12552-001-0	22	EIS-5186	8-97119-751-0	25	EKM-5712	6136-42-4210	90	EMB-5313	ME011266	36
EIS-5160	1-12552-007-0	22	EIS-5190	8-94250-978-0	26	EKM-5712	6138-42-4210	90	EMB-5313	ME029007	36
EIS-5160	1-12552-003-0	22	EIS-5190	8-94145-949-0	26	EKM-5713	6204-43-4210	90	EMB-5313	ME013832	36
EIS-5161	9-12552-217-0	23	EIS-5192	8-94247-875-1	26	EKM-5714	6221-41-4210	90	EMB-5313	ME220217	36
EIS-5161	9-88511-176-0	23	EIS-5192	8-94133-875-1	26	EKM-5715	6150-41-4210	90	EMB-5313	22212-41000	77
EIS-5161	9-88551-178-0	23	EIS-5192	8-94433-245-0	26	EKM-5716	6140-42-4210	90	EMB-5315	ME031939	36
EIS-5161	9-12552-169-0	23	EIS-5192	8-97010-463-0	26	EKM-5717	6164-41-4211	90	EMB-5315	ME031558	36
EIS-5161	9-12552-208-0	23	EIS-5195	8-94447-026-0	26	EKM-5718	6209-41-4210	90	EMB-5316	ME061547	36
EIS-5161	9-12552-177-0	23	EIS-5197	8-97110-256-0	20	EKM-5719	6150-42-4210	90	EMB-5316	ME065587	36
EIS-5162	9-12552-154-0	23	EIS-5197	8-94174-223-1	26	EKM-5720	6215-41-4212	90	EMB-5316	31204-31200	36
EIS-5162	9-12552-207-0	23	EIS-5197	8-97110-256-0	26	EKM-5721	6736-41-4210	90	EMB-5316	ME091559	36
EIS-5162	9-12552-809-0	23	EIS-5198	5-12552-040-2	26	EKM-6101	12005-005	85	EMB-5318	MD024519	36
EIS-5162	9-12552-049-0	23	EIS-5199	1-12552-079-0	25	EKM-6106	12005-1012	85	EMB-5318	MD024548	36
EIS-5162	9-12552-061-0	23	EIS-5199	1-12552-083-0	25	EKM-6106	12005-1056	85	EMB-5319	MD070694	37
EIS-5162	9-12552-111-0	23	EIS-5199	1-12552-052-0	25	EKM-6107	12005-1055	85	EMB-5319	MD070693	37
EIS-5162	9-12552-127-0	23	EIS-5199	1-12552-080-0	25	EKM-6107	12005-1348	85	EMB-5320	MD050101	37
EIS-5163	9-12552-251-0	23	EIS-5200	8-94110-017-4	25	EKM-6108	12005-1052	85	EMB-5320	MD050543	37
EIS-5163	9-12552-251-1	23	EIS-5202	1-12552-136-0	27	EKM-6109	12005-1091	85	EMB-5321	MD070769	37
EIS-5163	9-12552-251-2	23	EIS-5202	1-12552-050-0	27	EKM-6110	12005-008	85	EMB-5321	MD070768	37
EIS-5164	9-12552-254-0	23	EIS-5203	8-94333-115-0	26	EKM-6111	12005-009	85	EMB-5321	MD072481	37
EIS-5164	9-12552-198-0	23	EIS-5203	8-94414-834-0	26	EKM-6111	12005-1009	85	EMB-5321	MD080778	37
EIS-5164	9-12552-168-0	23	EIS-5203	8-97028-707-0	26	EKM-6113	12005-1011	85	EMB-5321	MD130157	37
EIS-5164	9-12552-262-0	23	EIS-5205	8-94449-048-0	26	EKM-6114	12005-1237	85	EMB-5321	MD130158	37
EIS-5164	9-12552-262-1	23	EIS-5208	8-94171-292-0	26	EMB-5302	MD000481	34	EMB-5324	MD075928	37
EIS-5164	9-12552-262-2	23	EIS-5209	8-97060-415-0	27	EMB-5302	MD002481	34	EMB-5325	34404-01100	40
EIS-5164	9-12552-167-0	23	EIS-5209	8-97019-337-0	27	EMB-5302	MD007783	34	EMB-5328	MD070791	37
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EIS-5167	1-12552-015-4	24	EIS-5215	1-12552-097-0	27	EMB-5305	22212-21000	77	EMB-5343	MD301340	38
EIS-5168	9-12552-244-0	24	EIS-5215	1-12552-064-0	27	EMB-5305	MD0164621	80	EMB-5346	MD127841	38
EIS-5169	9-12552-143-0	24	EIS-5217	8-97015-547-1	27	EMB-5306	31304-01101	34	EMB-5346	MD127848	38

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EMB-5351	MD162423	38	EMB-5397	22212-23000	77	EMZ-5258	HE19-12-121	29	EMZ-5322	094933	80
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IHN-0077	13711-1340	14	IHO-0715	14711-P0G-A00	19	IHO-2079	14711-KSP-910	84	IIS-0177	1-12551-057-0	24

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IIS-0177	1-12551-129-0	24	IKM-0706	6610-41-4110	90	IMB-0318	MD024518	36	IMB-0378	MD339752	80
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IIS-0227	8-97137-154-0	28	IMB-0311	ME170314	35	IMB-0367	MD094396	39	IMB-0425	MD357503	42
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IIS-0234	1-12551-162-2	28	IMB-0313	ME011265	36	IMB-0369	MD321272	40	IMB-0428	ME240748	42
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IKM-0705	6130-41-4131	90	IMB-0316	ME091558	36	IMB-0378	MD339752	40	IMB-1350	MD128435	80

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IMC-0903	DP-1010-18	89	IMZ-0311	OK65C-12-111	78	INS-0420	13201-96027	50	INS-0473	13201-73Y00	46
IMC-0906	DK-1013-27IN	89	IMZ-0313	Z501-12-111	32	INS-0420	13201-96029	50	INS-0473	13201-53Y00	46
IMC-0907	JD-5112-01	89	IMZ-0315	RF71-12-111	32	INS-0421	13201-W0401	55	INS-0473	13201-2M200	46
IMD-0201	601-053-1201	79	IMZ-0316	OK30C-12-111	79	INS-0421	13201-Y8780	55	INS-0474	13201-72Y00	46
IMZ-0251	0107-12-111	29	IMZ-0317	OK30E-12-111	79	INS-0422	13201-97001	52	INS-0474	13201-50Y00	46
IMZ-0252	0222-12-111	29	IMZ-0318	B366-12-111	32	INS-0423	13201-97000	52	INS-0475	13201-03J00	54
IMZ-0254	0249-12-111	29	IMZ-0319	ZL02-12-111	32	INS-0423	13201-97002	52	INS-0476	13201-Z5503	46
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IMZ-0257	E501-12-111	29	IMZ-0330	L3K9-12-111	33	INS-0428	13201-V0700	49	INS-0483	13201-V7200	53
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IMZ-0264	D6FZ-6507A	30	INS-0403	13201-H9500	44	INS-0432	13201-41M00	45	INS-0488	13201-50K00	47
IMZ-0264	D9ZZ-6507A	30	INS-0404	13201-01M00	45	INS-0432	13201-41M01	45	INS-0489	13201-G2403	54
IMZ-0275	F801-12-111	30	INS-0404	13201-05M00	45	INS-0433	13201-15M00	45	INS-0490	13201-05E00	49
IMZ-0275	F801-12-111A	30	INS-0405	13201-D0200	44	INS-0434	13201-D0100	44	INS-0491	13201-53F01	48
IMZ-0277	F601-12-111	30	INS-0406	13201-10600	48	INS-0435	13201-R2000	46	INS-0491	13201-53F02	48
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IMZ-0278	RF01-12-111	30	INS-0406	13201-20610	48	INS-0438	13201-L2000	53	INS-0494	13201-30P00	54
IMZ-0278	K710-12-111	78	INS-0407	13201-73000	48	INS-0440	13201-Y5201	53	INS-0495	13201-38U00	55
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IMZ-0282	E5D3-12-111	30	INS-0408	13201-A3510	49	INS-0443	13201-F1802	47	INS-0502	13201-31U00	54
IMZ-0283	B630-12-111	30	INS-0408	13201-21000	49	INS-0443	13201-P0502	47	INS-0503	13201-9C600	49
IMZ-0284	B6S7-12-111	30	INS-0408	13201-23002	49	INS-0444	13201-31M00	45	INS-0504	13201-3T900	50
IMZ-0284	B695-12-111	30	INS-0409	13201-A1100	49	INS-0444	13201-69A00	45	INS-0504	13201-27T00	50
IMZ-0284	B6S7-12-111	78	INS-0409	13201-N0400	49	INS-0445	13201-N8501	56	INS-0504	13201-85G00	50
IMZ-0285	F201-12-111	31	INS-0409	13201-N0401	49	INS-0446	13201-16A00	45	INS-0505	13201-0Y010	53
IMZ-0285	F202-12-111	31	INS-0409	13201-N7000	49	INS-0447	13201-V5001	54	INS-0505	13201-22J00	53
IMZ-0286	JE01-12-111	31	INS-0409	13201-23000	49	INS-0447	13201-V5010	54	INS-0505	13201-22J01	53
IMZ-0286	JE06-12-111	31	INS-0409	13201-23003	49	INS-0448	13201-01B00	50	INS-0506	13201-0T000	46
IMZ-0287	G601-12-111	31	INS-0410	13201-P0500	47	INS-0450	13201-V5200	52	INS-0507	13201-1E711	53
IMZ-0290	B301-12-111	31	INS-0410	13201-F1800	47	INS-0450	13201-V5202	52	INS-0509	13201-0M000	51
IMZ-0290	MB301-12-111	31	INS-0410	13201-78200	47	INS-0450	13201-V5202	54	INS-0510	13201-VJ200	48
IMZ-0290	B308-12-111	31	INS-0410	13201-66700	47	INS-0451	13201-17F00	44	INS-0510	13201-9E000	48
IMZ-0290	KK153-12-111	31	INS-0412	13201-N4200	49	INS-0451	13201-17F01	44	INS-0512	13201-00QAA	48
IMZ-0290	KK153-12-111	78	INS-0412	13201-N4201	49	INS-0452	13201-D2000	44	INS-0513	13201-97010	52
IMZ-0292	B541-12-111	31	INS-0413	13201-Y5200	53	INS-0453	13201-24W00	48	INS-0514	13201-AD210	55
IMZ-0293	BP01-12-111	31	INS-0413	13201-90005	53	INS-0455	13201-43G01	54	INS-0515	13201-41B00	44
IMZ-0294	BP05-12-111	31	INS-0416	13201-58000	51	INS-0457	13201-84A00	47	INS-0515	13201-AN200	44
IMZ-0294	BP06-12-111	31	INS-0416	13201-58001	51	INS-0458	13201-55M01	44	INS-0516	13201-VC200	54
IMZ-0296	B3C7-12-111	31	INS-0416	13201-C8000	51	INS-0458	13201-55M10	44	INS-0517	13201-2W20A	56
IMZ-0296	B3C7-12-111A	31	INS-0416	13201-C8001	51	INS-0459	13201-02N00	54	INS-0517	13201-2W200	56
IMZ-0297	4786-12-111	31	INS-0416	13201-C8010	51	INS-0462	13201-51E10	44	INS-0517	13201-2W201	56
IMZ-0299	FE3N-12-111	31	INS-0417	13201-95000	50	INS-0463	13201-L2001	53	INS-0518	13201-8H300	51
IMZ-0299	OK954-12-111	78	INS-0419	13201-96003	50	INS-0464	13201-44G00	54	INS-0518	13201-3Z000	51
IMZ-0300	VN01-12-111	31	INS-0419	13201-96006	50	INS-0465	13201-88A00	47	INS-0519	13201-08U02	52
IMZ-0300	VN01-12-111	78	INS-0419	13201-96007	50	INS-0465	13201-88A00	47	INS-0520	13201-95500	50
IMZ-0302	FS01-12-111	32	INS-0419	13201-96028	50	INS-0467	13201-40F00	48	INS-0521	13201-VJ260	49
IMZ-0302	OK9BV-12-111	78	INS-0419	13201-96125	50	INS-0468	13201-57Y00	46	INS-0522	13201-0M200	47
IMZ-0303	TF20-12-111	32	INS-0420	13201-96000	50	INS-0468	13201-55Y00	46	INS-0522	13201-4M700	51
IMZ-0304	WL01-12-111	32	INS-0420	13201-96001	50	INS-0468	13201-70N00	46	INS-0522	13201-0M200	51
IMZ-0304	WL51-12-111	32	INS-0420	13201-96002	50	INS-0470	13201-95006	50	INS-0522	13201-7M610	51
IMZ-0306	KL01-12-111	32	INS-0420	13201-96005	50	INS-0471	13201-Z5501	46	INS-0523	13201-96008H	51
IMZ-0307	PN11-12-111	32	INS-0420	13201-96025	50	INS-0471	13201-Z5507	46	INS-0524	13201-EN20A	50

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INS-0524	13201-EN20B	50	ISZ-0651	12911-78100	60	ITY-0519	13711-34031	71	ITY-0572	13711-74040	72
INS-0524	13201-EN200	50	ISZ-0651	12911-78101	60	ITY-0520	13711-36020	71	ITY-0573	13711-58020	64
INS-0525	13201-2J201	53	ISZ-0651	12911-84000	60	ITY-0520	13711-36021	71	ITY-0573	13711-58050	64
INS-0525	13201-2J202	53	ISZ-0652	12911-82000	60	ITY-0520	13711-36040	71	ITY-0577	13711-10020	65
INS-0526	13201-7S000	55	ISZ-0652	12911-82010	60	ITY-0523	13711-37010	71	ITY-0578	13711-17010	67
INS-0527	13201-FY500	49	ISZ-0653	12911-60A10	60	ITY-0523	13711-38010	71	ITY-0580	13711-75020	71
INS-0528	13201-ED000	47	ISZ-0654	12911-60B20	61	ITY-0523	13711-38050	71	ITY-0582	13711-56050	64
INS-0528	13201-ED00C	47	ISZ-0655	12911-71C20	60	ITY-0524	13711-35010	71	ITY-0583	13711-88360	72
INS-0529	13201-4W001	55	ISZ-0655	12911-71C00	60	ITY-0524	13711-35030	71	ITY-0583	13711-88361	72
INS-0530	13201-Z6003	50	ISZ-0656	12911-86511	61	ITY-0524	13711-35031	71	ITY-0584	13711-11010	65
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INS-0531	13201-AQ800	55	ISZ-0657	12911-85FA0	61	ITY-0524	13711-35050	71	ITY-0586	13711-56040	65
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INS-0532	13201-00Z05	47	ISZ-0659	12911-70B00	61	ITY-0526	13711-41011	69	ITY-0587	13711-65020	73
INS-0533	13201-2Y001	55	ISZ-0659	12911-70B30	61	ITY-0526	13711-41012	69	ITY-0589	13711-16060	63
INS-0534	13201-KB20B	55	ISZ-0660	12911-81400	61	ITY-0527	13711-41020	69	ITY-0590	13711-64011	65
INS-0534	13201-EG21A	55	ISZ-0660	12911-61C00	61	ITY-0527	13711-45010	69	ITY-0590	13711-64020	65
INS-0534	13201-EG200	55	ISZ-0661	12911-73G00	61	ITY-0527	13711-45020	69	ITY-0591	13711-74080	72
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IRB-0501	282-33401-03	91	ISZ-0662	12911-54G00	61	ITY-0528	13711-43020	69	ITY-0591	13711-03020	72
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ISB-0601	81555-8610	57	ISZ-0665	12911-78J10	62	ITY-0531	13711-40010	70	ITY-0593	13711-66030	66
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ISB-0601	31555-7000	57	ISZ-0666	12911-65J01	62	ITY-0531	13711-40030	70	ITY-0595	13711-62040	74
ISB-0602	31555-4300	57	ISZ-0666	12911-65J00	62	ITY-0532	13711-44010	70	ITY-0596	13711-75030	71
ISB-0603	31555-4310	57	ISZ-0667	12911-78K00	62	ITY-0532	13711-44011	70	ITY-0597	13711-62020	73
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ISB-0613	13201-AA002	57	ISZ-2411	12911-30A11	86	ITY-0537	13711-46013	67	ITY-0607	13711-20020	69
ISB-0613	13201-AA012	57	ISZ-2411	12911-30A12	86	ITY-0538	13711-56010	64	ITY-0609	13711-54030	69
ISB-0615	13201-KA111	58	ISZ-2412	12911-30D00	86	ITY-0539	13711-60010	65	ITY-0610	13711-54040	69
ISB-0617	13201-KA121	58	ISZ-2413	12911-06B02	86	ITY-0540	13711-60011	65	ITY-0611	13711-55010	69
ISB-0617	13201-KA001	58	ISZ-2414	12911-04B00	86	ITY-0541	13711-60020	65	ITY-0612	13711-21010	69
ISB-0618	13201-AA072	58	ISZ-2415	12911-17C02	86	ITY-0542	13711-60021	66	ITY-0612	13711-21020	69
ISB-0618	13201-AA070	58	ISZ-2416	12911-09G20	86	ITY-0542	13711-61010	66	ITY-0613	13711-58030	65
ISB-0618	13201-AA071	58	ISZ-2417	12911-12F50	86	ITY-0542	13711-61020	66	ITY-0614	13711-22030	74
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ISB-0619	13201-AA310	58	ISZ-2418	12911-28G10	86	ITY-0544	13711-58010	64	ITY-0615	13711-22050	74
ISB-0619	13201-AA340	58	ISZ-3416	12911-09G205	87	ITY-0545	13711-68010	67	ITY-0616	13711-17020	67
ISB-0620	13201-AA390	58	ITF-0801	13711-78300-71	74	ITY-0546	13711-15010	63	ITY-0617	13711-50060	73
ISB-0621	13201-AA082	58	ITF-0802	13711-78200-71	74	ITY-0546	13711-15030	63	ITY-0617	13711-50070	73
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ISB-0622	13201-AA060	58	ITY-0502	13711-22011	67	ITY-0549	13711-48010	67	ITY-0620	13711-46022	67
ISB-0623	13201-AA252	58	ITY-0503	13711-24010	67	ITY-0549	13711-48011	67	ITY-0621	13711-28010	64
ISB-0623	13201-AA250	58	ITY-0503	13711-24020	67	ITY-0550	13711-63010	72	ITY-0621	13711-28030	64
ISB-0625	13201-AA361	59	ITY-0504	13711-24011	68	ITY-0552	13711-64010	65	ITY-0621	13711-0H020	64
ISB-0626	13201-AA371	59	ITY-0504	13711-24012	68	ITY-0553	13711-71010	74	ITY-0621	13711-0H010	64
ISB-0627	13201-KA103	59	ITY-0506	13711-25010	72	ITY-0553	13711-71020	74	ITY-0622	13711-88362	72
ISB-0628	13201-AA670	59	ITY-0507	13711-25011	73	ITY-0555	13711-77011	65	ITY-0623	13711-33030	70
ISP-0185	13711-88341	66	ITY-0513	13711-31010	70	ITY-0556	13711-56020	64	ITY-0624	13711-30030	68
ISZ-0419	12911-30H00	86	ITY-0514	13711-31011	70	ITY-0556	13711-56030	64	ITY-0624	13711-0L020	68
ISZ-0419	12911-30H00	87	ITY-0515	13711-31012	70	ITY-0559	13711-16010	63	ITY-0625	13711-30040	68
ISZ-0420	12911-33G00	86	ITY-0516	13711-33010	70	ITY-0565	13711-78010	74	ITY-0625	13711-0L010	68
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ISZ-0421	12911-04F00	86	ITY-0517	13711-31030	70	ITY-0567	13711-76002-71	74	ITY-0629	13711-27010	65
ISZ-0421	12911-04F00	87	ITY-0517	13711-31040	70	ITY-0569	13711-15050	63	ITY-0630	13711-75110	73
ISZ-0651	12911-73000	60	ITY-0518	13711-31050	71	ITY-0569	13711-15071	63	ITY-0630	13711-0C050	73
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ISZ-0651	12911-73002	60	ITY-0519	13711-34011	71	ITY-0570	13711-54020	68	ITY-0630	13711-0C040	73
ISZ-0651	12911-73003	60	ITY-0519	13711-34012	71	ITY-0571	13711-42020	69	ITY-0631	13711-75100	73
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ITY-0631	13711-00010	73	ITY-0639	13711-40050	68	IYH-2216	50M-12111-00	88	IYH-2227	406-E2111-00	88
ITY-0632	13711-31070	66	ITY-0639	13711-BZ040	68	IYH-2218	5AP-12111-01	88	IYH-3218	5AP-12111-01N	88
ITY-0633	13711-51030	73	ITY-0640	13711-36060	63	IYH-2219	30X-12111-00	88	IYH-3221	5HH-E2111-005	88
ITY-0634	13711-21040	70	ITY-0641	13711-47010	69	IYH-2219	30X-12111-01	88	IYH-3222	5LW-E2111-005	88
			ITY-0641	13711-0Y020	69	IYH-2220	1VJ-12111-00	88	IYH-3223	5KA-E2111-005	80
ITY-0635	13711-37020	74	ITY-0643	13711-0E010	66	IYH-2221	5HH-E2111-00	88	IYH-3223	5KA-E2111-005A	80
ITY-0635	13711-0T030	74	ITY-0643	13711-11030	66	IYH-2222	5LW-E2111-00	88	IYH-3228	3GM-12112-01	89
ITY-0636	13711-31100	67	ITY-0677	13711-10010	65	IYH-2223	5KA-E2111-00	88	IYM-0902	123900-11100	90
ITY-0636	13711-0P010	67	IYH-2213	3Y1-12111-00	88	IYH-2223	5KA-E2111-00A	88	IYM-0902	KYM123900-11100	90
ITY-0638	13711-31090	67	IYH-2214	5H0-12111-00	88	IYH-2225	36Y-12111-00	88			
ITY-0639	13711-40040	11	IYH-2214	5H0-12111-01	88	IYH-2226	21C-E2111-01	88			
ITY-0639	13711-40040	68	IYH-2215	4GL-12111-00	88	IYH-2226	21C-E2111-00	88			

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94838	IMZ-0322	80	1010A243	IMB-0424	42	1-12552-100-3	EIS-5235	28	12911-73000	ISZ-0651	60
94933	EMZ-5322	80	1010A306	IMB-0417	42	1-12552-102-1	EIS-5229	28	12911-73001	ISZ-0651	60
24102863	ICH-0003	76	1010A396	IMB-0437	43	1-12552-108-0	EIS-5212	27	12911-73002	ISZ-0651	60
24102864	ECH-5003	76	1010A452	IMB-0438	43	1-12552-108-0	EIS-5212	27	12911-73003	ISZ-0651	60
25182287	IDW-0605	76	1011A086	EMB-5429	42	1-12552-109-0	EIS-5233	28	12911-73011	ISZ-0651	60
90215491	EDW-5702	75	1011A156	EMB-5394	41	1-12552-136-0	EIS-5202	27	12911-73G00	ISZ-0661	61
90215492	IDW-0702	75	1011A178	EMB-5424	42	12004-012	IKW-2101	85	12911-73G01	ISZ-0661	61
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90412277	IDW-0606	76	1011A354	EMB-5434	43	12004-1010	IKW-2111	85	12911-78B00	IDW-0602	75
94580146	IDW-0602	75	1011A401	EMB-5438	43	12004-1013	IKW-2113	85	12911-78J00	ISZ-0665	62
94581486	IDW-0602	75	1-12551-002-0	IIS-0160	22	12004-1014	IKW-2106	85	12911-78J10	ISZ-0665	62
96103129	IDW-0604	75	1-12551-003-0	IIS-0160	22	12004-1055	IKW-2107	85	12911-78K00	ISZ-0667	62
96103130	EDW-5604	75	1-12551-004-0	IIS-0165	24	12004-1060	IKW-2106	85	12911-81400	ISZ-0660	61
96182805	EDW-5604	75	1-12551-005-1	IIS-0167	24	12004-1074	IKW-2109	85	12911-82000	ISZ-0652	60
96182806	IDW-0604	75	1-12551-008-0	IIS-0160	22	12004-1077	IKW-2108	85	12911-82010	ISZ-0652	60
96182933	EDW-5603	75	1-12551-010-0	IIS-0166	24	12004-1119	IKW-2108	85	12911-M83K00	ISZ-0668	62
96182934	IDW-0603	75	1-12551-013-0	IIS-0160	22	12004-1128	IKW-2114	85	12911-84000	ISZ-0651	60
96335947	IDW-0607	76	1-12551-025-0	IIS-0165	24	12004-1161	IKW-2107	85	12911-85100	ISZ-0664	61
96335948	EDW-5607	76	1-12551-030-0	IIS-0167	24	12005-005	EKW-6101	85	12911-85FA0	ISZ-0657	61
96352793	EDW-5602	76	1-12551-030-1	IIS-0167	24	12005-008	EKW-6110	85	12911-86500	ISZ-0656	61
96376881	IDW-0605	76	1-12551-047-0	IIS-0177	24	12005-009	EKW-6111	85	12911-86511	ISZ-0656	61
96376980	EDW-5605	76	1-12551-050-0	IIS-0154	21	12005-1009	EKW-6111	85	12911-86FA0	ISZ-0658	61
96440079	EDW-5605	76	1-12551-054-0	IIS-0154	21	12005-1011	EKW-6113	85	12912-02A00	ESZ-6407	86
96440081	IDW-0605	76	1-12551-057-0	IIS-0177	24	12005-1012	EKW-6106	85	12912-04F00	ESZ-5421	86
96496109	EDW-5607	76	1-12551-063-0	IIS-0184	25	12005-1052	EKW-6108	85	12912-04F00	ESZ-5421	86
96830500	EDW-5605	76	1-12551-081-0	IIS-0184	25	12005-1055	EKW-6107	85	12912-05210	ESZ-6401	86
7701471279	IMB-0399	80	1-12551-082-0	IIS-0184	25	12005-1056	EKW-6106	85	12912-05211	ESZ-6401	86
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13715-22010	ETY-5501	67	13715-43010	ETY-5529	69	13715-71020	ETY-5553	74	13715-BZ050	EDH-5022	10
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13715-25010	ETY-5506	72	13715-50050	ETY-5619	73	13715-76010	ETY-5535	65	14711-087-000	IHO-2013	81
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13715-33010	ETY-5516	70	13715-58020	ETY-5557	64	13715-78300-71	ETF-5801	74	14711-429-000	IHO-2043	82
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14711-611-000	IHO-0104	16	14711-PG6-000	IHO-0128	17	14721-676-641	EHO-5120	16	14721-PC3-600	EHO-5111	17
14711-634-000	IHO-0102	16	14711-PH3-000	IHO-0124	17	14721-679-620	EHO-5108	16	14721-PC3-660	EHO-5111	17
14711-634-671	IHO-0102	16	14711-PH3-000	IHO-0124	17	14721-689-000	EHO-5106	16	14721-PC6-000	EHO-5119	17
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14711-KK6-000	IHO-2042	82	14721-051-711	EHO-6020	82	14721-KN7-670	EHO-6044	82	14721-ZE3-810	EHO-6153	91
14711-KL3-670	IHO-2062	83	14721-087-000	EHO-6013	81	14721-KN7-900	EHO-6044	82	14721-ZF0-000	EHO-6154	84
14711-KPF-900	IHO-2076	84	14721-087-010	EHO-6013	81	14721-KPF-900	EHO-6076	84	14721-ZF1-000	EHO-6155	84
14711-KRM-840	IHO-2065	83	14721-087-710	EHO-6028	82	14721-KRM-840	EHO-6065	83	14721-ZK6-800	EHO-6153	84
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14711-PD4-000	IHO-0122	17	14721-657-672	EHO-5112	16	14721-PC0-000	EHO-5127	18	22211-2A100	IMB-0420	76
14711-PE0-000	IHO-0121	17	14721-657-673	EHO-5113	16	14721-PC1-000	EHO-5111	17	22211-2B400	IMB-0433	77

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22211-33000	IMB-0346	38	2874-1302-01	EHN-5052	12	41555-5400	ISB-0606	57	6110-43-4210	EKM-5707	90
22211-33000	IMB-0346	77	30004-23101	IMB-0312	35	41555-7000	ISB-0607	57	6114-41-4110	IKM-0702	90
22211-37200	IMB-0383	77	30004-23103	IMB-0312	35	41555-7100	ISB-0607	57	6114-41-4210	EKM-5702	90
22211-37201	IMB-0383	77	30004-31101	EMB-5312	35	41556-3200	ESB-5602	57	6127-41-4113	IKM-0701	90
22211-41000	IMB-0313	77	30004-31201	EMB-5312	35	41556-3220	ESB-5603	57	6127-41-4214	EKM-5701	90
22211-42000	IMB-0338	77	30004-35101	EMB-5312	35	41556-3400	ESB-5601	57	6130-41-4131	IKM-0705	90
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22212-02500	EMB-5390	77	30904-00302	IMB-0314	36	41556-7300	ESB-5607	57	6140-42-4210	EKM-5716	90
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22212-21010	EMB-5305	34	30X-12111-00	IYH-2219	88	4786-12-121	EMZ-5297	31	6150-41-4210	EKM-5715	90
22212-21010	EMB-5305	77	30X-12111-01	IYH-2219	88	49715-5500	ISB-0604	57	6150-42-4110	IKM-0719	90
22212-22011	EMB-5371	76	30X-12121-00	EYH-6219	88	406-E2111-00	IYH-2227	88	6150-42-4210	EKM-5719	90
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CROSS REFERENCE

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PW812609	IMB-0432	80	S1371-51600	EHN-5081	15	TF20-12-121	EMZ-5303	32	YF09-12-111	IMZ-0328	33
RF01-12-111	IMZ-0278	30	S1371-51733	EHN-5078	14	U202-12-111	IMZ-0332	33	YF09-12-121	EMZ-5328	33
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S1371-11800	IHN-0082	15	SL70-12-121	EMZ-5280	30	WL51-12-111	IMZ-0304	32			
S1371-11820	IHN-0081	15	TF20-12-111	IMZ-0303	32	WL51-12-121	EMZ-5304	32			

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



Dokuro started its production of engine valves in 1944. Since then we have been marking 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 honest reliable service.

Products

- 1) Engine Valves for passenger and commercial cars, truck, motor cycles, marine engines and tractors.
- 2) Valve Guides.

History

- 1944 – 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 authorized manufacturer of engine valves.
- 1984 – Producing 3,000,000. pcs. of engine valves per year.
Exporting them every continent of the world.
- 1991 – Completed full automatic production line.
- 2007 – Producing 3,600,000. pcs. of engine valves per year.

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 76 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.

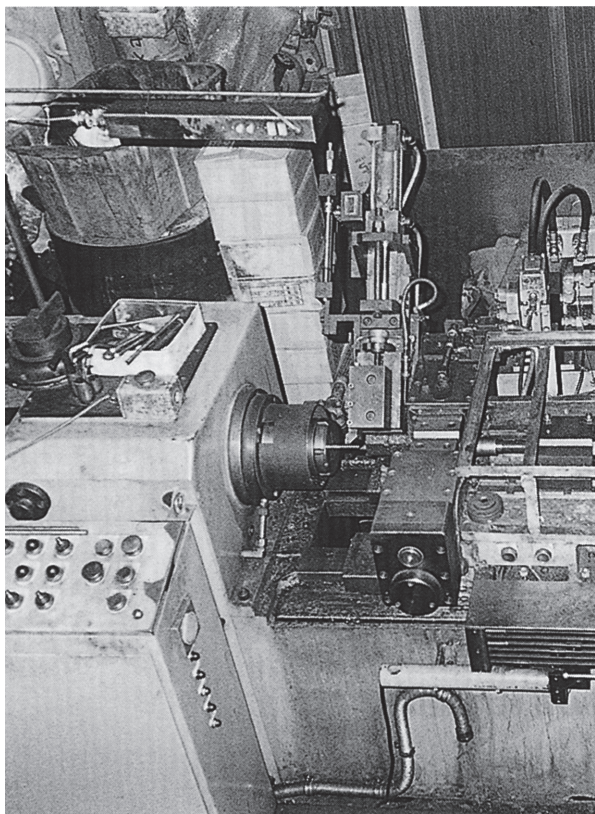
It will surely bring us sufficient and happy life as the contribution to our society.”

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

Japan Engine Valve Mfg. Co., LTD.

Y. Takahashi President.

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



Dokuro comenzo su produccion de valvulas de motor en 1944. 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 enter 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.

Historia

1940 – Establecido bajo el nomber 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 3,000,000. de valvulas de motor al año.

Exportantdo las mismas a todos los continentes del mundo.

1991 – Completado sistema de la linea de produccion toda automatica.

2007 – Produciendo 3,600,000. de valvulas de motor al año.

Control de Calidad

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

Mensaja del Presidente

Creo que nuestra produccion de 76 años nos ha demandado no solo tecnologia, sino tambien resqosabilidad de alto nivel, sentido por todos quienes trabajan para la compania.

“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.

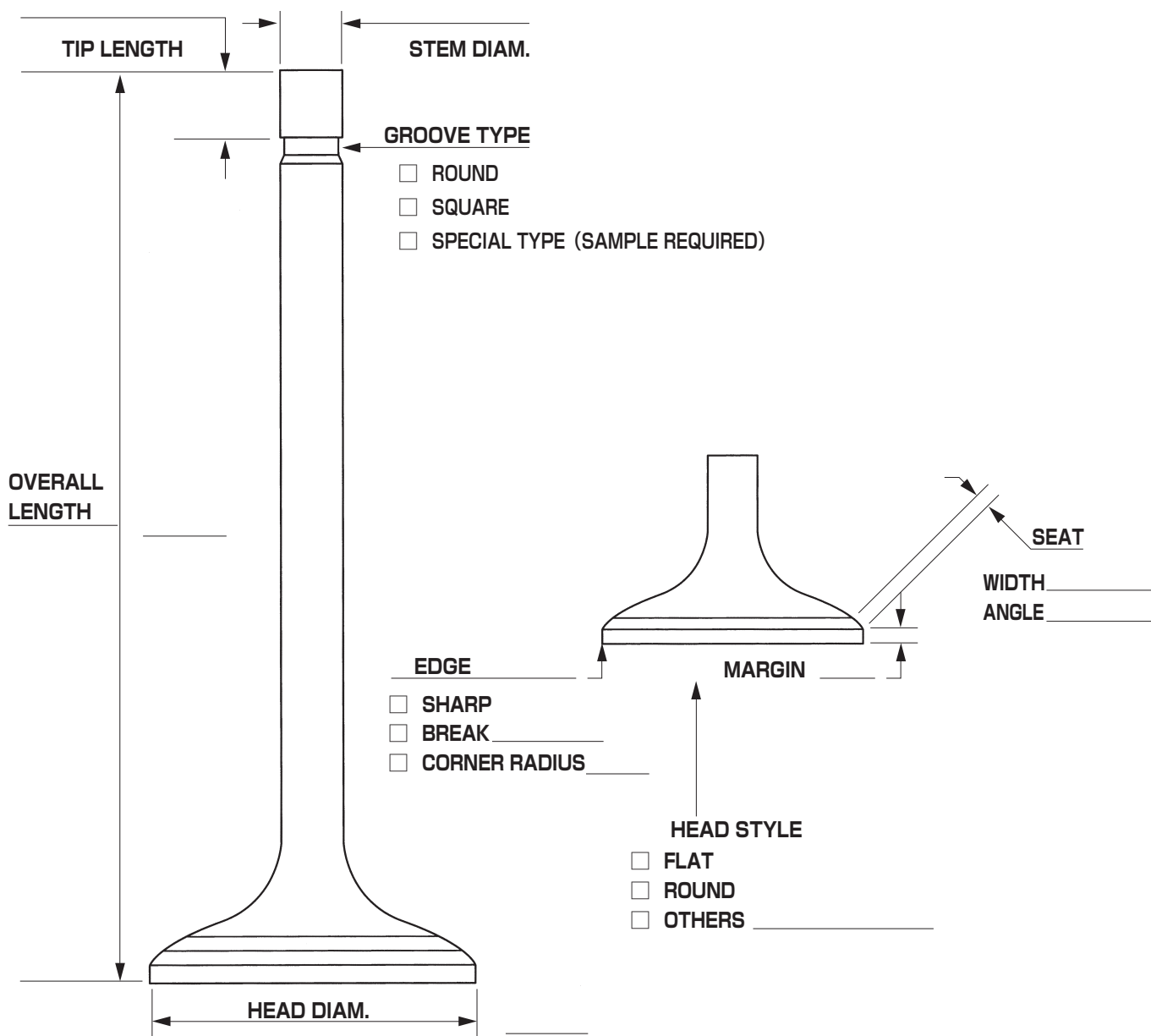
Y. Takahashi President.

YOUR MARKET INFORMATION NEEDED!

If you find any new model and you can't find them in our catalogue, please fill in all dimensions and required information.

Your information helps us to develop the wider variation of DOKURO engine valve.

PART NUMBER	
MODEL	
YEAR	
IN OR EX	



*PLEASE SEND THIS FORM TO JAPAN ENGINE VALVE MFG.CO.,LTD 0811-66-753-0885 BY FAX

YOUR CO NAME	
COUNTRY	

Cheers

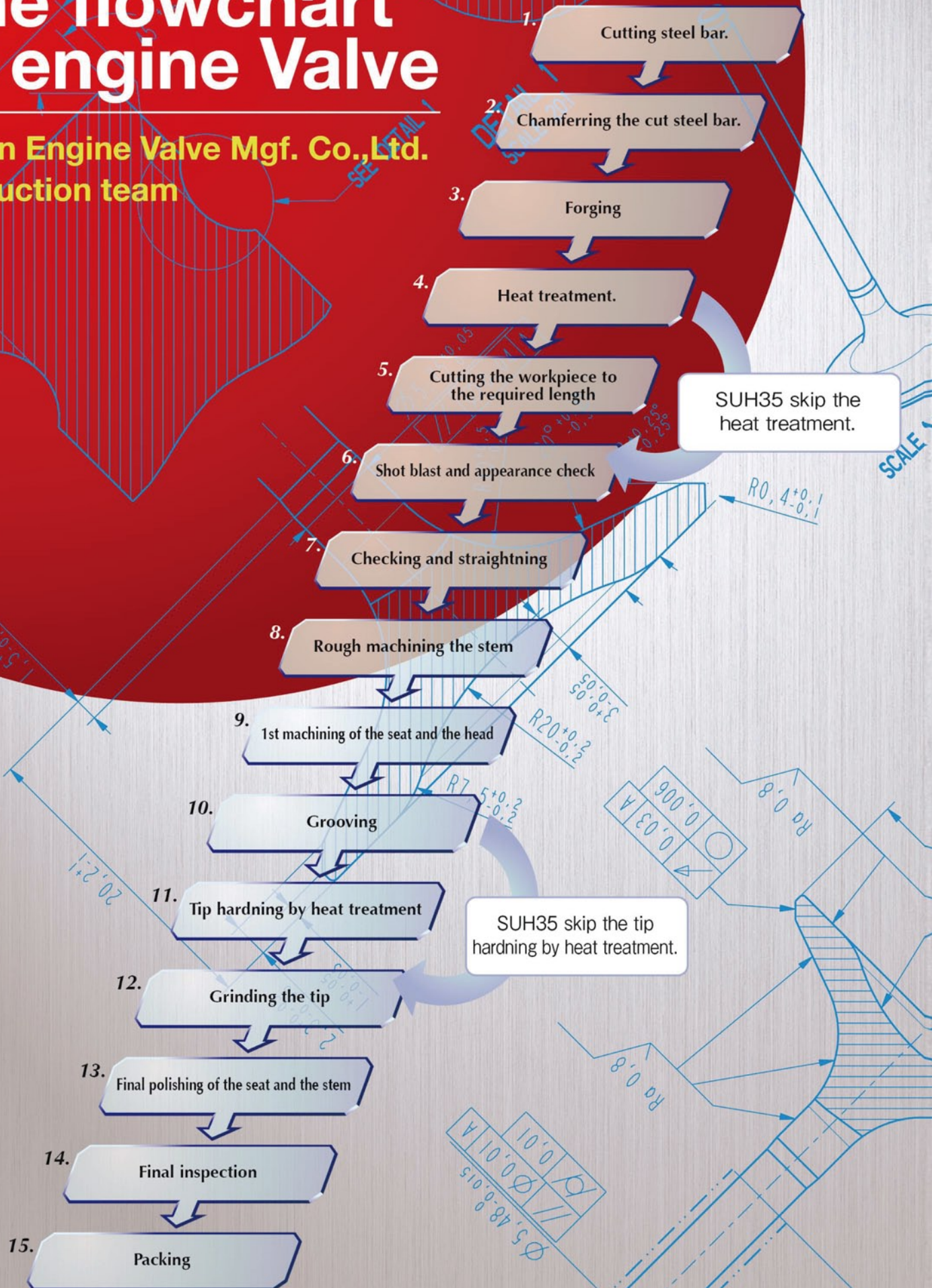




Checkmate



Japan Engine Valve Mfg. Co.,Ltd.
Production team



***WORRY NOT.
WE ARE HERE !***

How old your car doesn't matter.
Never give up untill you check
DOKURO engine valve.

WE ARE YOUR FACTORY

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