

常風工業股份有限公司

The best manufacturer and exporter in engine valves, valve guides and valve seats.



EVERPHONE
INDUSTRIAL CO.,LTD.

2015 EDITION

ENGINE VALVE

VALVE GUIDE

VALVE SEAT



常風工業股份有限公司
EVERPHONE INDUSTRIAL CO., LTD.

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常風工業股份有限公司
EVERPHONE INDUSTRIAL CO., LTD.

公司簡介

積極、創新、服務、品質至上、顧客滿意

常風工業股份有限公司創立於西元 1974 年，是台灣專業的汽、機車零件的製造商及出口商，多年來我們一直在穩健中成長與茁壯，堅持產品的優良品質與顧客的滿意是我們首要之務，主要產品為引擎汽門 (ENGINE VALVE)、汽門導管 (VALVE GUIDE) 及汽門座圈 (VALVE SEAT) 的生產，提供日系各大廠如 HONDA、MITSUBISHI、NISSAN；韓系 KIA、DAEWOO、HYUNDAI 和歐系 OPEL、FORD、FIAT、等之汽車、機車、三輪車、卡車及農用機，並有重機具如：CUMMINS、CATERPILLAR、KOMATSU、函蓋項目齊全，更可接受訂製如：船用汽門、導管及座圈，以滿足客人的需求，主要外銷市場以美洲、歐洲、非洲、亞洲為主，積極開發新產品，更以擴展業務至全球領域為目標。

設備齊全、服務完善、積極生產、創造高效率

品質的堅持是常風對客戶最好的承諾，而品管優勢在於具備有完整的檢驗設備：拉力測試機、硬度測試機、同心度校正機、投影機等設備，本公司擁有三十餘年的專業生產經驗，原物料來源選擇日本進口材質，機械設備也因應時代添增設備，製程中嚴格的品管，產品品質優良，在業界信譽卓越。優良的工作團隊不斷地在追求產品的創新與研發，技術與世界接軌，絕對是值得信賴的好選擇，本公司秉持著「顧客至上」的原則，竭誠的為您服務。選擇常風公司，將為您我製造雙贏的局面。

Company

Everphone Industrial Co.,Ltd. is one of the most reputable manufactures and exporters in Taiwan. We specialize in the production of engine valve, valve guide, valve seats. Our product range also motorcycle, automobile and marine engines, and agricultural motors.

We have a wide range of products and models for your selection. All products are produced under strict quality control, and development ensures that you are getting the latest products with the most advanced and cost effective technologies.



ISO 9001

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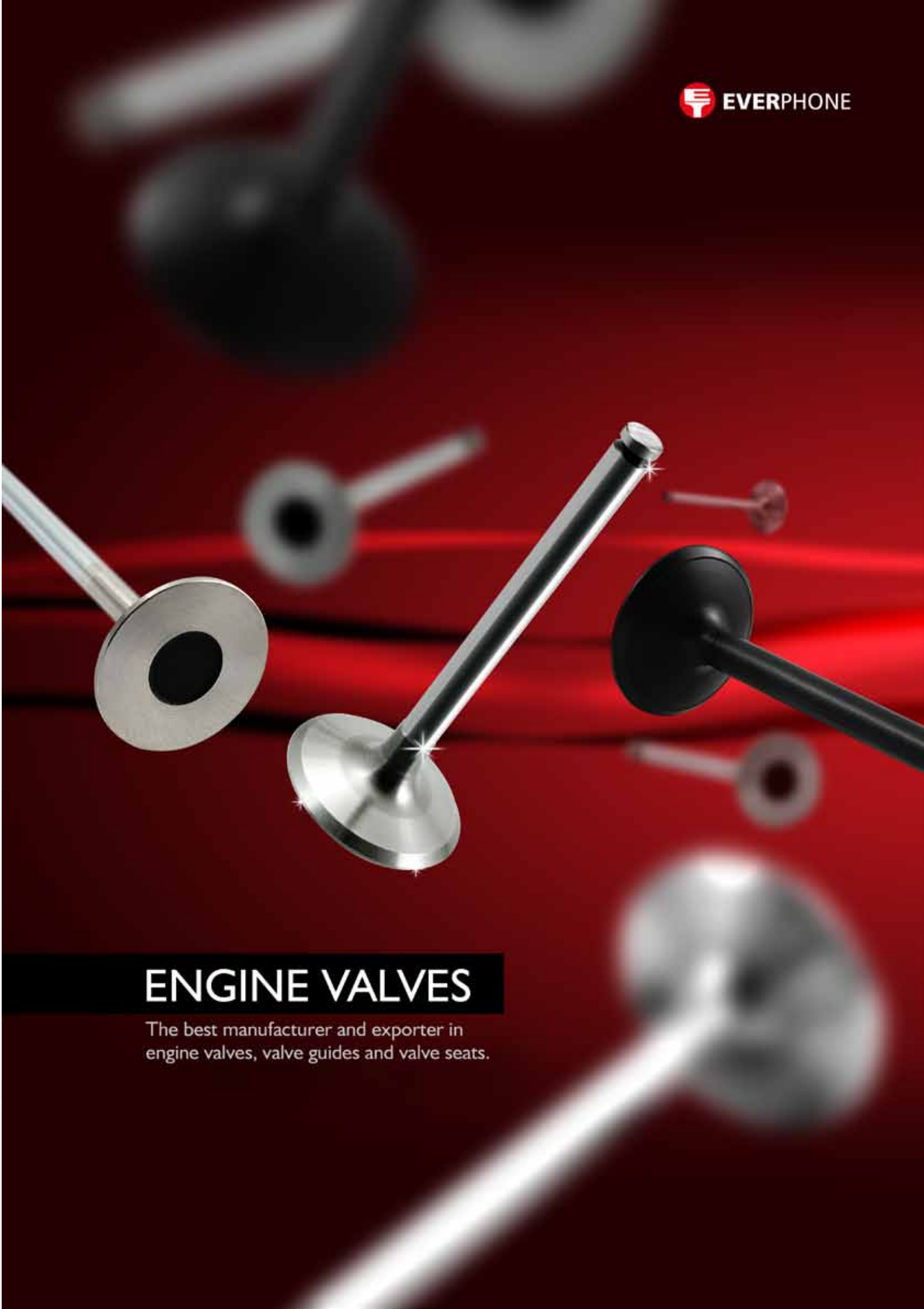
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ENGINE VALVES

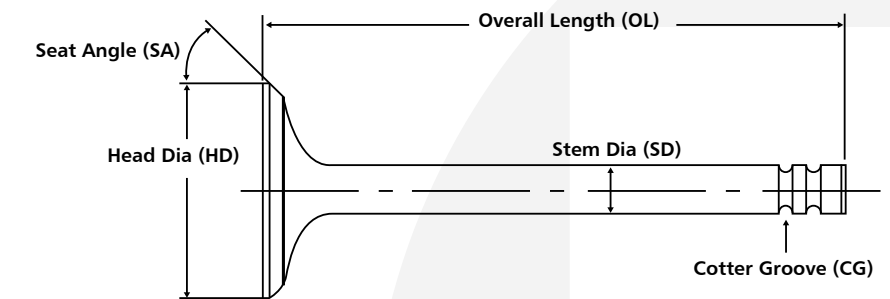
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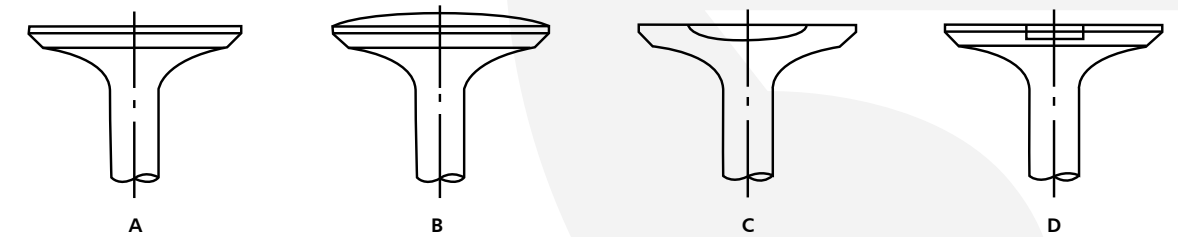
VALVES GUIDE

The best manufacturer and exporter in engine valves, valve guides and valve seats.

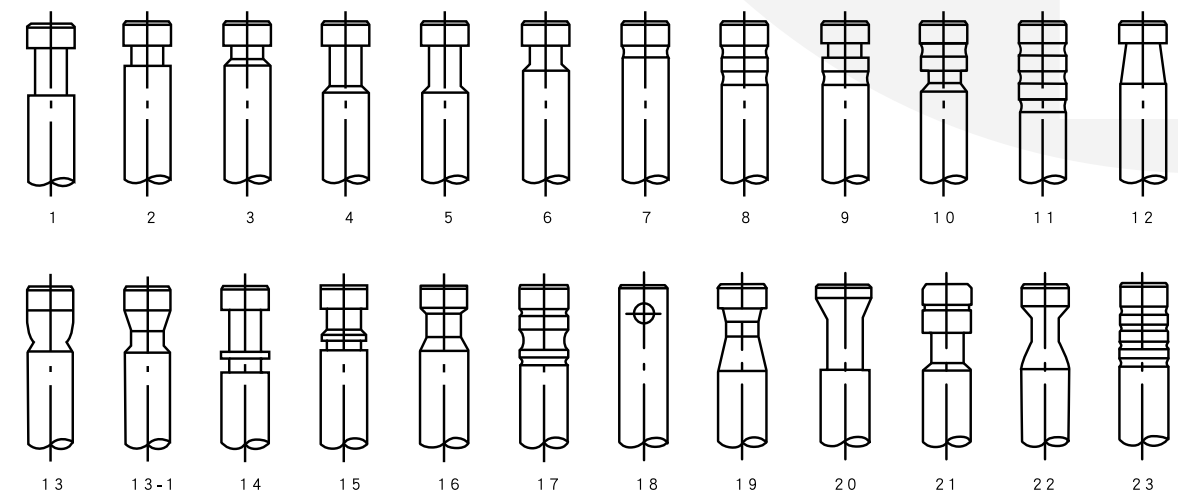
■ DIMENSION



■ SHAPE OF HEAD (HS)



■ SHAPE OF COTTER GROOVE (CG)



INTRODUCTION

Everphone industrial co.,Ltd. Is one of the manufacturer and exporter in Taiwan, specializing in the production of engine valves & valve guides & valve seats. The product range includes motorcycle, automobile, marine engine & agrimotor...etc. The engine valve is steel of JIS SUH3, SUH35(21-4N), which have features of anti-wear, anticorrosion and heat strength, under high temperature use the material construction still stable.

The valve guide is casting iron of FC-25, the precision is up to 0.0015". Both high class quality and precision size of our products fulfill the needs of all famous automobile manufacturers in the world. Moreover we can accept for any customers' design types.

MATERIAL & SPECIFICATION

Chemical composition:

		C	Si	Mn	P	S	Ni	Cr	Mo	Cu	W	Applied to
Martensitic Steel	SUH1	0.40~0.50	3.00~3.5	≤0.60	≤0.030	≤0.030	≤0.5	7.50~9.50				In Valve
	SUH11	0.45~0.55	1.00~2.00	≤0.60	≤0.030	≤0.030	—	7.50~9.50	—	—	—	In Valve
	SUH3	0.30~0.45	1.80~2.50	≤0.60	≤0.030	≤0.030	≤0.6	10.00~12.00	0.70~1.30	≤0.30		In Valve Ex Valve Seat Insert
	SUH4	0.75~0.85	1.75~2.25	0.20~0.60	≤0.030	≤0.030	1.15~1.65	19.00~20.50	—	≤0.30	—	Ex Valve (Seat Insert)
Austenitic Steel	SUH31	0.30~0.45	1.50~2.50	≤0.60	≤0.040	≤0.030	13.00~15.00	14.00~16.00		≤0.30	2.00~3.00	Ex Valve (Seat Insert)
	SUH35 (21-4N)	0.475~0.575	≤0.25	8.00~10.00	≤0.030	0.040~0.090	3.25~4.50	20.00~22.00		≤0.30	—	Ex Valve
	SUH37 (21-12N)	0.15~0.25	0.75~1.00	8.00~10.00	≤0.025	≤0.025	10.50~12.50	22.00~20.00		≤0.30		Ex Valve

	C	Cr	W	Fe	Co	Hardness HRC
STELLITE#1	2.5	30.0	12.0	3.0 Max	Bal	54
STELLITE#6	1.0	28.0	4.0	3.0 Max	Bal	44
STELLITE#12	1.35	29.0	8.0	2.0	Bal	47

JIS SUH3

Ordinary heat-resistance alloy(martensitic) which has magnetism and is widely applied to intake valve for internal combustion engine.

燒入硬化的特殊耐熱合金，具有磁性適用於進汽門及內部生熱較低的引擎。

JIS SUH35(21-4N)

High quality heat-resistance alloy belonging to austemetic steel (non-magnetic) hat is excellent in wear and corrosion resistance under high temperature and applicable to exhaust valve for heavy duty engine use.

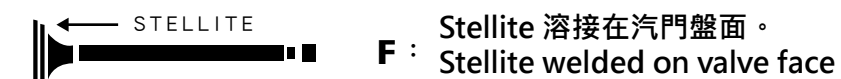
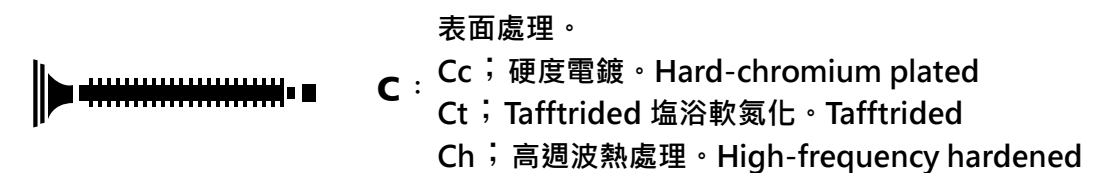
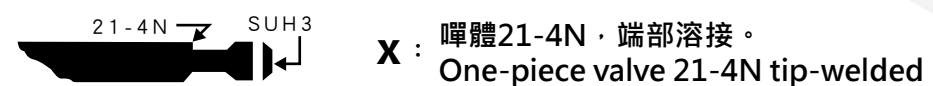
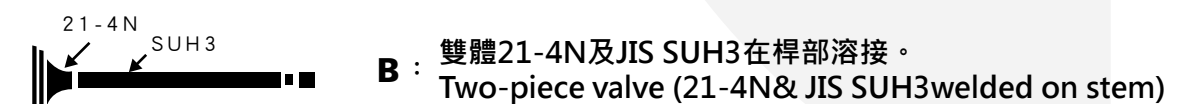
高級耐熱合金鋼，非磁性奧斯田鋼在高溫之下耐磨及具有耐性的優點，適用於排汽門與重工業引擎。

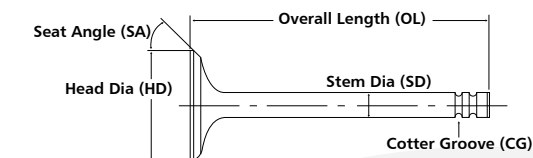
STELLITE

Cobalt-bast alloy to be welded on valve face (exhaust valve for heavy duty ngine) for the purpose of specially improving wear and corrosion resistance under high temperature.

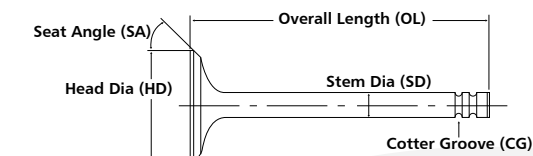
鈷鉻鎢合金鋼，接於汽門之盤面（重工引擎的排汽門）。具耐高溫、耐磨、耐蝕的效果。

MATERIAL & SPECIFICATION (MS)



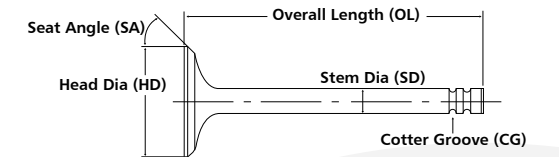
[illegible][illegible]

CHEVROLET

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CHRYSLER

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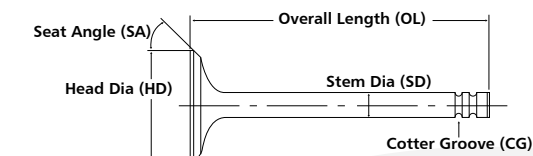


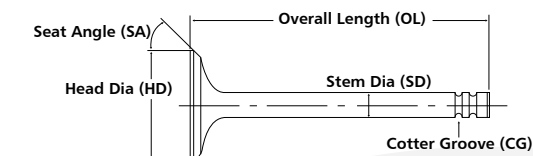
CATERPILLAR

PARTS NO.	E.P.NO.	ENGINE TYPE	CYL	VEHICLE		IN	DIMENSIONS						REMARKS
				NAME	MODEL		HD	OL	SD	SA	HS	CG	
9L7682	VCA-01-I		8	V-90037	3204T	IN	53.2	144.8	9.5	60°	A	8	
9L7683	VCA-01-E			V-30038		EX	45.8	144.6	9.5	45°	D	8	
1P407/2M6402 /1N4885-6 /4N9623	VCA-02-I				650,651 4.7D343	IN	45	452.4	9.5	45°	D	8	
1P2629/7N9541 /7S9345/8N3725 /1P1081/7E7830 /2M6403	VCA-02-E					EX	41.8	152	9.5	45°	D	8	
2W2621/7S8809 /5S6452 /9N6117	VCA-03-I		6		434 977-11K	IN	51.3	140	9.5	60°	D	8	
8N0875/7S6767 /7S9345/8N3725 /5S6449/5S7232 /5S7273	VCA-03-E					EX	48.2	139	9.5	60°	D	8	
6N9915 /7N0572 /2W2620	VCA-04-I				3304T	IN	51.4	136	9.5	60°	D	8	
6N9916/7N0573	VCA-04-E					EX	48.2	135	9.5	60°	D	8	
2W2622/4N5654 /1W3859 /1152368	VCA-05-I		6 8		Eng.3306 3408 D3406 (206/265KW)	IN	45	181.4	9.5	60°	D	8	
1W3860/4N5653 /1152367	VCA-05-E					EX	41.8	181.4	9.5	45°	D	8	
7M7817/4H9805	VCA-06-I	D9	6 8 12		D9/18AI	IN	63.5	238.5	12.6	60°	D	13	
8M/8N3723 /8H7097 /4H9804	VCA-06-E				19AI-34AI D353-G353 D379-D398	EX	60	238.5	12.6	60°	D	13	
8H1993/7F5310	VCA-07-I		4		7DH/17AI	IN	59.5	236	12.6	45°	D	13	
8H1994/7F4784 /5M5828	VCA-07-E		6 8 12		D8H/13A-14A D8/35AI D364-D375	EX	58	236	12.6	45°	D	13	
5I-7338	VB-08-I			CAT320 S6KT-MIT	D386-D397	IN	44	134	8	60°	D	2	
5I-7339	VB-08-E					EX	37	134	8	60°	D	2	
100-7860	VB-09-I					IN	51.25	135.9	9.5	60°		8	
148-7455	VB-09-E					EX	48.2	134.3	9.5	60°		8	

DAIHATSU

PARTS NO.	E.P.NO.	ENGINE TYPE	CYL	VEHICLE		IN	DIMENSIONS						REMARKS
				NAME	MODEL		HD	OL	SD	SA	HS	CG	
13711-BZ010-001	VD-01-I		4		#AGK	IN	26	88.5	8	45°	D	7	
13715-BZ010-001	VD-01-E					EX	22.6	89.3	5	45°	D	7	
13711-97206-000	VD-02-I		4		#AGK	IN	24.5	79.2	5	45°	C	7	
13715-97204-000	VD-02-E					EX	21	79.8	5	45°	C	7	
13711-BZ050-001	VD-03-I				#AGK	IN	25.5	79.2	5	45°	C	7	
13711-BZ050-001	VD-03-E					EX	22	79.8	5	45°	C	7	
13711-B1020 13711-BZ060-001	VD-04-I		3SZVE		#AGK	IN	27.8	88.2	5	45°	C	7	
13715-BZ060-001 13715-B1020-16V	VD-04-E					EX	23.5	89	5	45°	D	7	
13715-BZ070-001	VD-05-E				#AGK	EX	23.4	89.1	5	45°	D	7	
13711-97401	VD-06-I	K3VE	4	16V		IN	26	88.2	5	45°			
13715-97401	VD-06-E					EX	22.6	89.2	5	45°			
13711-87701 13711-87705 13711-87702	VD-07-I VD-07-E	AB CB	2 3 4	CUORE,HIJET ATRAI, CHARADE1000	L45/55 S40/60/65/66/70 G10/11 S75	IN	36	101.6	7	45°	C	7	
13715-87701 13715-87702						EX	33	101.6	7	45°	C	7	
13711-87304 13711-87305 5113-1641C	VD-08-I	DG	4	DELTA2500	D200/300 DV24/32	IN	40	136.2	9	45°	C	7	
13715-87304 13715-87305 5113-1642C	VD-08-E					EX	33	136.2	9	45°	C	7	
13711-87306	VD-09-I	DG	4	DELTA2600	DV26 SV26	IN	40	127.5	9	45°	C	3	
13715-87307 13715-87309	VD-09-E					EX	33	127.5	9	45°	C	3	
13711-87308	VD-10-I	DG DL	4	LIGHT BUS, TAFT DELTA 3000 D2000	F50/55 SV18/26/32/37 DV21/24/26/32 F60,V54	IN	40	127.6	9	45°	C	7	
13715-87311	VD-10-E					EX	33	127.7	9	45°	C	7	
13711-87312 13711-87314	VD-11-I	DL	4	DELTA V22 F75	TURBO	IN	42	127.6	9	45°	D	7	
13715-87319 13715-87322/17	VD-12-E					EX	35	127.6	9	45°	D	7	
13711-87704	VD-13-I	CL	3	CHARADE 1000D	G30	IN	36	104.9	7	45°	D	7	
13715-87703	VD-13-E					EX	32	105	7	45°	D	7	
13711-87101 13711-87102 4023-1641	VD-14-I	FE	4	CONSORTE TAFT1000 COMPAG NO. BERLINA 1000	EP30 F10/40	IN	32	95	7	45°	C	7	
13715-87101 13715-87102 4023-1642	VD-14-E					EX	29	95	7	45°	C	7	
13711-87201	VD-15-I	EF/CL	3		KANCIL 600CC MALAYSIAN	IN	30	112.5	7	45°	D	7	
13715-87201	VD-15-E					EX	26	112.6	7	45°	D	7	
13711-87006	VD-16-I	CL30	3		HIJE 660 CC	IN	34	104.9	7	45°	D	7	
13715-87705 13715-87706	VD-16-E					EX	30	105.2	7	45°	D	7	

**DAIHATSU**[illegible]**DAEWOO**[illegible]

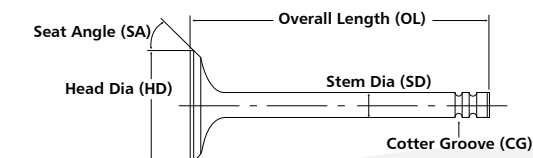


FORD

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FIAT

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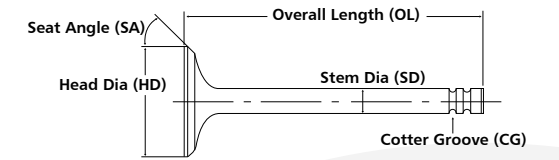


HILLMAN

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HINO

PARTS NO.	E.P.NO.	ENGINE TYPE	CYL	VEHICLE		IN	DIMENSIONS						REMARKS
				NAME	MODEL	EX	HD	OL	SD	SA	HS	CG	
2310-1301-01 13711-1130B/C	VH-01-I	DK10 DK20	6	TRUCK 10 TON BUS	KF.TC.ZM. HF.BG.RC	IN	57	175	12	60°	C	13	
13715-1150C 2311-1302-01	VH-01-E					EX	51	175.5	12	45°	C	13	
2352-1301-00/1 13711-1170A	VH-02-I	DM100 DQ100	6	TRUCK. RANGER. BUS. RAINBOW	RM.BM. HM.KM.KQ	IN	43.5	137.6	9	45°	C	13	
13715-1320A 2352-1302-00/1	VH-02-E					EX	36	137.6	9	45°	C	13	
2872-1305-00/1 13711-1310A	VH-03-I	DS50 DS60 DS140	6	TRUCK. BUS	RD35 ZC34 TC8000	IN	53	161	11	60°	A	13	
13715-1450A 2872-1306-01	VH-03-E					EX	45	161	11	45°	A	13	
2874-1301-01 13711-1320B	VH-04-I	DS70 DS90	6	TRUCK. BUS	KC.TE.RD	IN	50	157	10	60°	A	13	
13715-1460B 2874-1302-01	VH-04-E					EX	43	157	10	45°	C	13	
2330-1301- 12/20 13711-1140A /1141	VH-05-I	EB100 EB200	6	TRUCK.BUS	KB.RE	IN	54	175	11.7	60°	C	13	
13715-1290A 2330-1302-12	VH-05-E					EX	48	175	11.7	45°	C	13	
13711-1030A	VH-06-I	EB300	6	TRUCK.BUS	KB112/303/304	IN	54	175.1	12	60°	D	8	
13715-1040A	VH-06-E					EX	48	175.1	12	45°	D	8	
13711-1090A -1091A	VH-07-I	EB300 EB400	6	TRUCK.BUS	KB.BY.RE	IN	53	175.1	12	60°	D	7	
13715-1122A /1500	VH-07-E					EX	47	174.8	12	45°	D	7	
13711-1180A 2380-1310-10	VH-08-I	EC100	6	TRUCK. RANGER. BUS. RAINBOW	FD.KJ.AM.RL	IN	46.5	132.5	9	45°	C	7	
13715-1330A 2380-1302-10	VH-08-E					EX	37.7	132.5	9	45°	A	7	
2400-1301-24 13711-1240B	VH-9-I	ED100	6	TRUCK .BUS	KF.ZM	IN	58	174.7	12	45°	A	13	
13715-1380B 2400-1302-04	VH-9-E					EX	52	174.4	12	45°	A	13	
2400-1320-00 13711-1250B	VH-10-I	ED100 (NEW)	6	TRUCK	KB.KS.KF. TC.WP.ZC. ZG.ZH.ZM	IN	58	174.7	12	45°	A	8	
2400-1302-20 13715-1390B	VH-10-E					EX	52	174.4	12	45°	A	8	
2390-1301-20 13711-1220A	VH-11-I	EF100 EG100	6	TRUCK	KEN702	IN	54	170	12	45°	C	8	
2390-1302-21 13715-1370A	VH-11-E					EX	52	170	12	45°	C	8	
13711-1370A 13711-1401A 13711-1050/A	VH-12-I	EF100 EF300 EF350 EF500 EF700	8	TRUCK. BUS	ZM.TC.RS.RV. KF.ZM.KS.RS. KF.TC.WP.ZM. RV.ZM.SH.SS	IN	56	168.9	12	60°	D	7	
13715-1061B 13715-1060A	VH-12-E					EX	52	168.9	12	45°	D	7	

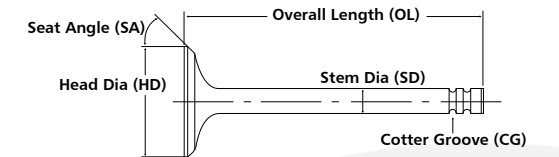


HINO

PARTS NO.	E.P.NO.	ENGINE TYPE	CYL	VEHICLE		IN	DIMENSIONS						REMARKS
				NAME	MODEL		HD	OL	SD	SA	HS	CG	
13711-1380A 13711-1390A/1012 13711-1420A/1450/1 13711-1561 13711-1450A	VH-13-I	EF550 EK100 EF750	8	TRUCK. BUS	FR.FS.RU. FS.FU.RU	IN	57	170	12	45°	D	7	
13715-1013A/1012	VH-13-E					EX	53	170	12	45°	D	7	
2382-1301-00 13711-1200A	VH-14-I					IN	49.7	132.5	9	45°	D	7	
2382-1302-00 13715-1350A 13715-1451A	VH-14-E	EH100	6	TRUCK.RANER. BUS.RAINBOW	KJ.KL.WB RL.BZ.AM	EX	41.7	132.5	9	45°	A	7	
2383-1301-10 13711-1100A 13711-1210A	VH-15-I					IN	50.5	133.3	9	45°	D	7	
13715-1130A 13715-1360A/1/1100 2383-1302-10	VH-15-E	EH300 EH500	6	TRUCK.RANER. BUS.	KL.KU.KJ RD.KR	EX	42.5	133	9	45°	A	7	
13711-1081D 13711-1471	VH-16-I					IN	48	142	9	60°	D	7	
13715-1220A /1520A	VH-16-E	EH700	6	TRUCK.RANER. BUS.RAINBOW	FT.FD.GD.FF. KR.KG.RD RR.RJ.LB	EX	41.3	142	9	45°	D	7	
13715-1111C/01081	VH-16-E					EX	42.5	142	9	45°	D	7	
13711-1011A 13711-1390	VH-17-I					IN	57	172	12	60°	D	8	
13715-1011A 13715-1010 13715-1000 13711-1420	VH-17-E	EK100 EK200	6	TRUCK. BUS	FH.KB.KF.WD ZC.FC.RC	EX	53	172	12	45°	D	8	
13711-1350B 13715-1070B	VH-18-I VH-18-E	EL100	6	TRUCK. RANGER	FG.LB.KK	IN EX	50 46.5	144.5	10	60° 45°	D	7	
13711-1410B 13711-1500B	VH-19-I	EM100	6	TRUCK. BUS	FH. RV.	IN	54	14.5	10	60°	D	7	
13715-1240B	VH-19-E	M10C		BLUERIBBON		EX	48	144	10	45°	D	7	
13711-1431A/30 13711-1530A 13711-1541A 13711-1430A	VH-20-I	EP100	6	TRUCK	FN.FR.GN	IN	50	144.9	10	60°	D	7	
13715-1260A 13715-1580A	VH-20-E					EX	46.5	145	10	45°	D	7	
13711-1360A	VH-21-I	ER100	6	BUS	RC	IN	55	162.4	12	60°	D	7	
13711-1470A	VH-21-E	ER200				EX	51	162.3	12	45°	D	7	

HINO

PARTS NO.	E.P.NO.	ENGINE TYPE	CYL	VEHICLE		IN	DIMENSIONS						REMARKS
				NAME	MODEL		HD	OL	SD	SA	HS	CG	
13711-78010 13711-1441/3 13711-1520/1 13711-1521	VH-22-I	W04D W06B W06E 1W	4	BUS,RAINBOW TRUCK RANGER	AC140 3M	IN	45.4	123.1	9	60°	D	7	
13715-1251 13715-1570 13715-78010	VH-22-E					EX	40	123	9	45°	D	7	
13711-1012A	VH-23-I	EK100 (NEW) EF750	6	TRUCK BUS	FH.KB.KF WD.ZC.FC.RC	IN	57	170	12	60°	A	7	
13715-1012A	VH-23-E		8			EX	53	170	12	45°	A	7	
13711-1550 13715-1590	VH-24-I VH-24-E	H07C H06CT	6	TRUCK		IN EX	47.9 41.3	134.5 134.2	9	60° 45°	D	7	
13711-1830/1631 13711-1630/1632	VH-25-I	J07V J08C J05V	6		RANGER 8000C. C	IN	39	133	7	60°	D	7	
13715-1730/1732 13715-1730/1733	VH-25-E					EX	37	132.2	7	45°	D	7	
13711-1600B 13711-1590A 13711-1591A/1790	VH-26-I	P09C(T) P11C(T)	6		TRUCK 1100C.C. FN.FH.FP.FS. FW.GN	IN	41	155.6	8	60°	D	7	
13715-1620A/1801	VH-26-E					EX	40	155.3	8	45°	D	7	
13711-1820/1650 0109-0176 S1371-11820	VH-27-I	K13CT			K13C 24V	IN	45.9	159.1	9	60°	D	7	
0109-0162 13715-1600 13715-1790 13715-1671	VH-27-E					EX	44.9	158.9	9	45°	D	7	
13711-1610/1	VH-28-I	F20C	8	(32V)	TRUCK 2000C.C. FN.FR.FS.FU. FW.FY.SH	IN	48.9	159.7	10	60°	D	7	
13715-1630/1750	VH-28-E					EX	46.9	159.4	10	45°	D	7	
13711-1470 13715-1520	VH-29-I VH-29-E	H06C				IN EX							

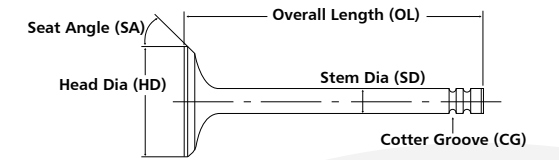


HYUNDAI

PARTS NO.	E.P.NO.	ENGINE TYPE	CYL	VEHICLE		IN	DIMENSIONS						REMARKS
				NAME	MODEL		EX	HD	OL	SD	SA	HS	
22211-22003/04	VHD-01-I	G4EK G4KS	4	IN-8 EX-4	ACCENT 1.3-1.5, 12V LANTRA1.5,12V	IN	27.4	99	6	45°	D	7	
22212-22003/04	VHD-01-E					EX	32	99.2	6	45°	D	7	
22212-22011/51	VHD-01-E					EX	32	98.4	6	45°	D	7	
22211-42200	VHD-02-I	4BB D4BA/B Diesel D4BF	4	H100	H-1 2.5TD STAREK	IN	42	136	8	45°	D	7	
22212-42200	VHD-02-E					EX	36	136	8	45°	D	7	
22211-23000	VHD-03-I	64DM	4	8+8	LANTRA2.0 16V ELANTRA 1.8	IN	32	102.3	6	45°	C	7	
22212-23000	VHD-03-E					EX	27.5	104.7	6	45°	A	7	
	VHD-04-I	G4HC			12V	IN	32	102.3	6	45°	C	7	
	VHD-04-E					EX	23.5	100.4	5.5	45°	C	7	
22211-23600	VHD-05-I	ELANTRA MATRIX	4		16V	IN	32	114.3	6	45°	C	7	
22212-23600	VHD-05-E					EX	27.5	116.7	6	45°	C	7	
22211-02500	VHD-06-I	ATOS G4HC	4	8+4	12V	IN	23	100.3	5.5	45°	C	7	
22211-02500	VHD-06-E					EX	27.1	100.1	5.5	45°	C	7	
22211-26000	VHD-07-I	ELANTRA G4KD	4		16V	IN	29	92	6	45°	C	7	
22215-26000	VHD-07-E					EX	25	92.6	6	45°	C	7	
22211-33010/3300 /MD127840	VHD-08-I	G4DR	4	DOHC 16V	SONATA LANTRA 1.6/1.8 SONICA 2.0	IN	34	109.5	6.6	45°	C	7	
22212-33010/33000 /MD127841	VHD-08-E					EX	30.5	109.7	6.6	45°	C	7	
22211-21010/2100 /MD016460	VHD-09-I	G13,15 G4AJ	4		ELECEL 1.3 PONY 1.3 1.5GLS	IN	34	102	6.6	45°	C	7	
22212-21010/21304 /21004/21000 /MD016461	VHD-09-E					EX	30.1	101	6.6	45°	C	7	
22211-42520 /MD198403/4	VHD-10-I	D4BH	4	Galloper 2.5TD	TERACAN HI DIESEL	IN	40	130	8	45°	D	19	
22212-42520 /MD198405/6	VHD-10-E					EX	34	130	8	45°	D	19	
22211-24504	VHD-11-I	G15			1500C.C.	IN	35	101.8	5.6	45°	C		
22212-21000 /MD016461	VHD-11-E					EX	30.1	101	6.6	45°	C	7	
22211-35004 /MD088811	VHD-12-I	6GH72				IN	43	103	8	45°	C		
22212-35004	VHD-12-E					EX	35	102.7	8	45°	D		
22211-42220	VHD-13-I	H-100 D4BB	4		GRACE	IN	42	132.1	8	45°	A		
22212-42220	VHD-13-E					EX	36	132	8	45°	A		

HYUNDAI

PARTS NO.	E.P.NO.	ENGINE TYPE	CYL	VEHICLE		IN	DIMENSIONS						REMARKS
				NAME	MODEL		HD	OL	SD	SA	HS	CG	
22211-42000/10 /MD083657	VHD-14-I	BA/BX			H100 VAN	IN	40	136.6	8	45°	D		
22212-42000/10 /MD083659	VHD-14-E					EX	34	136.6	8	45°	D		
22211-41000/1 22211-45000 /ME011244	VHD-15-I	D4AF				IN	44	137	9	45°	D	3	
22212-41000/1 22212-45000 /ME011245	VHD-15-E					EX	37	137	9	45°	D	3	
22211-32600/4 /MD085253	VHD-16-I	G4CS				IN	46	106.6	8	45°			
22212-32600/4 22212-32654 /MD096632 /MD085254	VHD-16-E					EX	38	105	8	45°			
	VHD-17-I				1.0	IN	27	100.1	5.5	45°	D		
	VHD-17-E					EX	23.6	100.4	5.5	45°	A		
22211-11000 /MD000480	VHD-18-I		4	STELLAR		IN	35	106	8	45°	C	3	
MD000481	VHD-18-E					EX	31	102.5	8	45°	A	3	
22211-23100	VHD-19-I			ELANTRA 1.6 DOHC		IN	31.3	109.6	6.6	45°	C	7	
22212-23100	VHD-19-E					EX	30.6	110	6.6	45°	C	7	
22211-2A100	VHD-20-I	D3FA D4FA/B	3 4	ACCENT/ MATRIX1.5TCI KIA PILANTO 1.1TDI 12V KIA RIO 1.5L DOHC 16V		IN	26.2	93	5.5	45°			
22212-2A100	VHD-20-E					EX	21	93.7	5.5	45°			

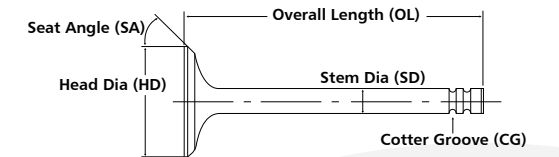


HONDA(CAR)

PARTS NO.	E.P.NO.	ENGINE TYPE	CYL	VEHICLE		IN	DIMENSIONS						REMARKS
				NAME	MODEL		HD	OL	SD	SA	HS	CG	
14711-611-000	VHC-01-I	EB1	4	CIVIC 1200		IN	34	112.8	6.6	45°	C	5	
14721-611-000	VHC-01-E					EX	30	112.7	6.6	45°	A	5	
14711-634-000 14711-920 14711-921/671	VHC-02-I	EB5 EN	4	CIVIC 1200		IN	36	109.5	6.6	45°	C	5	
14721-634-000 14721-671 14721-920/940 14721-PA1-671 14721-634-940	VHC-02-E					EX	32	109.5	6.6	45°	A	5	
14711-671-000	VHC-03-I					IN	35	112.8	6.6	45°	C	5	
14721-657-673	VHC-03-E					EX	28	113.7	6.6	45°	C	5	
14721-657-003/010	VHC-03-E					EX	28	113.0	6.6	45°	C	5	
14711-611-000	VHC-04-I	EE EF	4	CIVIC 1200 ACCORD 1600	SC.SG.SH.SJ	IN	34	112.8	6.6	45°	C	5	
14721-657-673	VHC-04-E					EX	28	113.7	6.6	45°	C	5	
14721-657-003	VHC-04-E					EX	28	113	6.6	45°	C	5	
14711-671-000 14711-671-003	VHC-05-I	EF EJ	4	ACCORD CIVIC	B.SJ-4	IN	35	112.8	6.6	45°	C	5	
14721-657-672/3 14721-657-010	VHC-05-E					EX	28	113	6.6	45°	A	5	
14711-371-000 14711-679-620	VHC-06-I	EH	2	ACTY 550	YN	IN	38	102.3	6.6	45°	C	5	
14721-371-000 14721-679-620	VHC-06-E					EX	32	101.3	6.6	45°	A	5	
14711-PA6-000	VHC-07-I	EJ EM	4	CIVIC 1500		IN	35	114.4	6.6	45°	C	5	
14721-PA6-000	VHC-07-E					EX	28	114.5	6.6	45°	A	5	
14711-PCI-000 14711-PC3-000	VHC-08-I	EK	4	ACCORD 1800 PRELUDE 1800 VIGOR 1800	SM.SZ.SN 12V	IN	36	113.2	7	45°	C	7	
14721-PCI-000 14721-PC3-599/000	VHC-08-E					EX	30	113.2	7	45°	C	7	
14711-689-000 14721-689-660	VHC-09-I	EK	4	ACCORD 1800 PRELUDE 1800	SM100 SN10 12V	IN	34	113.3	7	45°	C	7	
14721-676-641 14721-689-000	VHC-09-E					EX	28	113.7	7	45°	C	7	
14711-634-000 14711-C920CC/ C921 14711-634-721	VHC-10-I	EN	4	CIVIC 1300	SK.SL.SP.SS. VE.VC	IN	36	109.5	6.6	45°	C	5	
14C721C- PAI-000 14721-671	VHC-10-E					EX	32	110.2	6.6	45°	A	5	
14711-PB2-000	VHC-11-I	EP	4	ACCORD 1800 QUINT 1600 12V	SV.SU.SY	IN	35	113.2	7	45°	C	7	
14721-676-641/0 14721-689-660	VHC-11-E					EX	28	113.8	7	45°	C	7	
14721-689-000 14721-PB2-000	VHC-11-E					EX	28	113.2	7	45°	A	7	
14711-PC0-000 14721-PC0-000	VHC-12-I VHC-12-E	ER	4	CITY 1200 12V	AA.VF	IN EX	30 24	118 117	6.6 6.6	45° 45°	C A	5 5	

HONDA (CAR)

PARTS NO.	E.P.NO.	ENGINE TYPE	CYL	VEHICLE		IN	DIMENSIONS						REMARKS
				NAME	MODEL		HD	OL	SD	SA	HS	CG	
14711-PD1-000	VHC-13-I	ER-T	4			IN	30	115	7	45°	C	7	
14721-PD1-000	VHC-13-E					EX	24	115	7	45°	C	7	
14711-PC6-000 14721-PC6-000 14721-PH1-000 14721-PC7-000	VHC-14-I VHC-14-E VHC-14-A	ES EY EK	4	ACCORD 1800 PRELUDE 1800 ACCORD01600 VIGOR01800 12V	AB.AD.AC	IN EX EX	30 35 35	120.5 120.8 121.5	6.6 7 7	60° 45° 45°	C C C	7 7 7	
14711-PE0-000	VHC-15-I	EV EW	8 4	CIVIC 1300 BALLADE 1300 CIVIC 1500 BALLADE 1500	AG.AK.AJ.AE. VJ.AH.AK.AF 12V	IN	27	112.8	6.6	45°	C	7	
14721-PE0-000/024	VHC-15-E					EX	32	114	6.6	45°	C	7	
14711-PE0-660	VHC-16-I	EV EW	4	CIVIC 1300-1500 BALLDE 1300/1500		IN	30	112.6	6.6	45°	C	7	
14721-PE0-660	VHC-16-E					EX	29	114	6.6	45°	C	7	
14711-9G6-000 14721-PG6-000	VHC-17-I VHC-17-E	A15 A18 A20	4	12V		IN EX	30 27	105.4 104.7	6.6 6.6	45° 45°	C C	7 7	
14711-PH3-000 14721-PH3-000	VHC-18-I VHC-18-E	B20A C20A	4	C27A B18B C20A B20A5 24V		IN EX	33 28	104.4 106	6.6 6.6	45° 45°	C C	7 7	
14721-PH7-000	VHC-18-E					EX	27.5	106.6	6.6	45°	C	7	
14711-PM3-000 14711-PIK-E01	VHC-19-I	D13/15B ZC D15	4	CIVIC INTEGRA CR-X 16V		IN	29	115	5.5	45°	C	7	
14721-PM3-000 14721-PIK-E01	VHC-19-E					EX	25	118.8	5.5	45°	C	7	
14711-PH9-000 14721-PH9-000	VHC-20-I VHC-20-E		4	ACTY		IN EX	37 33.1	102.5 101.5	6.6 6.98	45° 45°	C C	7 7	
14711-PT0-000 POB-A00/000 POJ-A00/000	VHC-21-I	F18/F20	4	SSAS-1807 SSAS-1808	ACCORD 1800CC 2000CC 16V	IN	32	112	5.5	45°	C	7	
14721-PT0-000/ B00	VHC-21-E					EX	27	124	5.5	45°	C	7	
14711-POA-000 14721-POA-000/ Y00	VHC-22-I VHC-22-E	F20/22	4	16V		IN EX	34 29	116.1 114.2	5.5 5.5	45° 45°	C C	7 7	
14711-PT5-000 14711-PT3-A00/000 14711-P45-601 14711-PV1-000	VHC-23-I					IN	34	112	5.5	45°	C	7	
14721-PT6/0J-A00	VHC-23-E	F22A	4	ACCORD PRELUDE F22A1 EF22A6 PRELUDE 16V		EX	29.1	123.5	5.5	45°	C	7	
14721-PT3-A00/000 Y00/P45-601	VHC-23-E					EX	29	124	5.5	45°	C	7	
14711-PO7-000 14721-PO7-000	VHC-24-I VHC-24-E	D16 D15	4	16V		IN EX	27.5 23.5	120.1 117.6	5.5 5.5	45° 45°	C C	7 7	

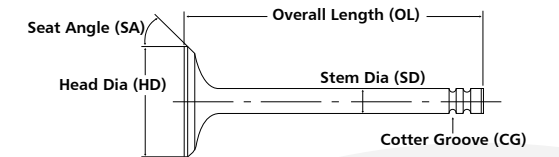


HONDA (CAR)

PARTS NO.	E.P.NO.	ENGINE TYPE	CYL	VEHICLE		IN	DIMENSIONS						REMARKS
				NAME	MODEL		HD	OL	SD	SA	HS	CG	
14711-PO8-000 14711-P2A-000	VHC-25-I	D16	4		16V	IN	30	118.5	5.5	45°	C	7	
14721-PO8-000 14721-P2A-000	VHC-25-E					EX	26	116	5.5	45°	C	7	
14711-PR4-00 14721-PH3-000	VHC-26-I	D18A	4			IN	31	105.5	6.6	45°	C	7	
14711-P75-000 14721-P75-000	VHC-26-E					EX	28	106	6.6	45°	C	7	
14711-P75-000 14721-P75-000	VHC-27-I	B20B	4		CRV 16V	IN	31	105.5	6.6	45°	C	7	
14711-PR3-000 14721-PR3-000	VHC-27-E					EX	28	106	6.6	45°	C	7	
14711-PR3-000 14721-PR3-000	VHC-28-I	B16A	4		16V	IN	33	102.4	5.5	45°	C	7	
14711-PT2-000 14711-PIK-E01	VHC-28-E					EX	28	102.6	5.5	45°	C	7	
14711-PT2-000 14711-PIK-E01	VHC-29-I	F22 F23	4		ACCORD 2200C.C. PRELUDE 2300C.C. 16V	IN	34	103.6	6.6	45°	C	7	
14721-PT2-000 14721-PIK-E01	VHC-29-E					EX	29	102.8	6.6	45°	C	7	
14711-PN4-000 14721-PN4-000	VHC-30-I	E07A	3		TN ACTY 660C.C. LIFE	IN	23	115.7	5.5	45°	C	7	
14721-RNE-A00 14711-PNA-000	VHC-30-E					EX	20	117.7	5.5	45°	C	7	
14711-PNA-000 14721-PNA-000	VHC-31-E	KZOA	4		CR-V STEAU	IN	32	116.7	5.5	45°	C	7	
14711-P5T-G01 LGH100990L	VHC-32-I					EX	35	109.1	5.5	45°	C	7	
14711-P5T-G01 LGH100990L	VHC-32-E	20T2N 20T2R	4		ACCORD CIVIC AERODECK SOHC 1994C.C.	IN	30	108.7	5.5	45°	C	7	
14721-P5T-G01 LGH100980L	VHC-33-I					EX	37.2	86.9	7	45°			
14711-PR6-000 14721-PR6-000	VHC-33-E	D16Z	4		CIVIC 1590C.C.	IN	32.5	86.6	7	45°			
14711-P13-000 14721-P13-000	VHC-34-I					EX	30	118.6	5.5	45°			
14711-P13-000 14721-P13-000	VHC-34-E	H22A1/4/5	4		PRELUDE DOHC 16V 2156C.C.	IN	26	116	5.5	45°			
14711-RBD-E00 14721-RBD-E00	VHC-35-I					EX	35	106.8	5.5	45°			
14711-PWA-000 14721-PWA-000	VHC-35-E	N22A1 N22A2	4		ACCORD CIVIC CR-V 2.2DI CTDI 16V TOURER DOHC	IN	30	107	5.5	45°			
14711-RBD-E00 14721-RBD-E00	VHC-36-I					EX	28	100.8	5.5	45°			
14711-PWA-000 14721-PWA-000	VHC-36-E	L13A	4		FIT JAZZ 1339C.C.	IN	26	100.4	5.5	45°			
14711-PWA-000 14721-PWA-000	VHC-37-I					EX	32	118.3	5.5	45°			
14711-PWA-000 14721-PWA-000	VHC-37-E						28	118	5.5	45°			

ISUZU

PARTS NO.	E.P.NO.	ENGINE TYPE	CYL	VEHICLE		IN	DIMENSIONS						REMARKS
				NAME	MODEL		HD	OL	SD	SA	HS	CG	
1-12551-050-0 5-12551-886-0	VI-01-I	4BA1 4BB1 4BC1	4	JOURNEY.M.L ELF 250/350 TLD FIRE NPR59	BE 20/22 BK/32.BL BL35/36.BLD 30 BY BY31.CCM. CS11/32.DBR. EDM.FBR.FDR. JCM	IN	45	127.8	9	45°	A	7	
1-12552-025-0 5-12552-885-0	VI-01-E					EX	37.5	127.8	9	45°	A	7	
5-12551-006-0 5-12551-024-0 5-12552-005	VI-02-I	D500 6BB1	6	BUS: JOURNEY K/L TRUCK: FORWARD TR.FX.I.FBR.JBR.YBR OTHER MACH: ROFORD TR.SBR. VBK.CCM	KT.KT25/26/35 /36 SBR KS21 NPR59	IN	45	127.8	9	45°	A	7	
5-12552-005-0 5-12552-023 5-12552-024	VI-02-E					EX	37.5	127.8	9	45°	A	7	
5-12551-050-0 8-94129-550-0 1-12551-083-0	VI-03-I	JCR 6BD1 6BF1	6	BUS: JOURNEY K. CDM.EDM TRUCK: FORWARD 5/6/7 FX.II.VCR OTHER MATCH: FX.II	SBR320/560 SCR DR.TLD. TLD24/26/34/ 44/46/54/ 55/56	IN	45	127.8	9	45°	A	7	
5-12552-030-0 5-12552-036 5-12552-043 5-12552-048 1-12552-083-0	VI-03-E					EX	37.5	127.8	9	45°	A	7	
8-94414-833-0 9-12551-801-0 8-94461-957-0	VI-04-I	C330 4BD1 4BC2 4BE1	4	JOURNEY L ELF 350 NPR	TLD64/65/66 TR.TR20/70. TWD KS 12/22/32 JBR JCR KA20	IN	45	127.8	9	45°	A	7	
9-12552-240-0 8-94414-834-0 8-94461-958-0	VI-04-E					EX	37.5	127.8	9	45°	A	7	
9-12551-802-0/1 9-12551-093-2/0 8-94130-749-0 8-94206-571-0	VI-05-I	C190 C221 C240	4	JOURNEY-S FLORIAN. ELF150 FASTER OLD	PDA.KA. KAD.KBD	IN	38	115.8	8	45°	A	7	
5-12552-026-0 9-12552-801-0 9-12552-129-2 8-94207-307-0 8-94118-839-0	VI-05-E					EX	32	115.8	8	45°	A	7	
5-12551-028-0 5-12551-030-0 8-94029-351-0	VI-06-I	C190 C223 C240	4	JOURNEY-S/M. FLORIAN. ELF150/250. 117COUPE. BIGHORN TROOPER LUVTRUCK NEW	PAD.KA.KAD. KBD. PAD UBS.VFR. KBD.KAD.TLD. BLD.KA.KUD	IN	40	115.8	8	45°	A	7	
5-12552-034-0 5-12552-038-0 8-94029-352-0	VI-06-E					EX	34	115.8	8	45°	D	7	

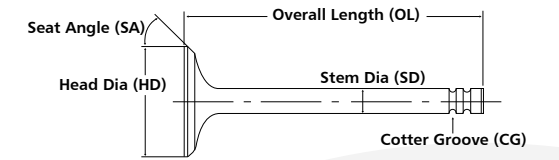


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PARTS NO.	E.P.NO.	ENGINE TYPE	CYL	VEHICLE		IN	DIMENSIONS						REMARKS
				NAME	MODEL		HD	OL	SD	SA	HS	CG	
9-12551-109-0 9-12551-150-0 9-12552-197-0	VI-07-I	D920 E110 6QA1	6	TRUCK.BUS	TD.BU.TDJ.CTM	IN	56	163	12	60°	C	8	
9-12552-153-0 9-15225-254-0 9-12552-262-0/2	VI-07-E					EX	51	163	12	60°	C	8	
9-12551-022-0 9-12552-035-0 9-12552-150-0	VI-08-I VI-08-E VI-08-E			DIESEL.TRUCK. BUS	TXD 10/60 BA343 BR10/20 BB341	IN	44	144	10	45°	C	1	
						EX	40	144	10	45°	C	1	
						EX	40	144	10	45°	D	1	
9-12551-132-0 9-88511-175-0 9-88511-176-0 9-12331-125-0	VI-9-I	DA120 DA640	6	DIESEL.TRUCK. BUS. 15PCS/BOX	TSD.TWD.TXD. BXD.SFR.TWD. BA.BF.BR	IN	44	144	10	45°	C	8	
9-12552-217-0 9-12552-177-0 9-12552-208-0 9-12552-054-0 9-12552-169-0	VI-9-E					EX	40	144	10	45°	C	8	
1-12551-002-0 1-15221-003-0 1-12551-013-0	VI-10-I			TRUCK.BUS	TSD.TWD.TXD. BXD.SFR.TWD. BA.BR. BR.TXD50	IN	45.5	144	10	45°	C	8	
1-12552-001-0 1-12552-003-1 1-12552-007-0	VI-10-E					EX	42	144	10	45°	C	8	
9-12551-030-0 9-12551-077-0 9-12552-154-0 9-12552-207-0	VI-11-I VI-11-E	DH100	6	DIESEL.TRUCK.	TD40/90 TP60/70/80	IN	54	164	12	45°	A	1	
						EX	48	164	12	45°	A	1	
9-12551-188-0/1 9-12551-197-1 9-12552-251-2/1/0	VI-12-I VI-12-E	DH100 (NEW)	6	DIESEL.TRUCK. BUS	STR.TD.BD. CCM.BU	IN	54	164	12	45°	A	8	
						EX	48	164	12	45°	A	8	
1-12551-010-0 9-12551-192-0 1-12552-010-0 9-12552-256-0	VI-13-I VI-13-E	E120 (NEW)	6	DIESEL.TRUCK. BUS	BUK SERIES	IN	47	164	11	45°	C	8	
						EX	45	164	11	45°	C	8	
1-12551-004-2 1-12551-004-0 1-12551-012-0 1-12551-025-2 1-12551-047-1 1-12551-025-0	VI-14-I	6RAB1 E120 (OLD)	6	TRUCK. BUS	SPG,SPK,SPM SPR,SPZ,TG, TMK,YPE,BU, PA	IN	47	164	11	45°	C	7	
1-12552-013-2/0 1-12552-006/028-0 1-12552-012-0 1-12552-028-0	VI-14-E					EX	45	164	11	45°	C	7	
8-94216-589-0 8-84216-590-0 8-94108-307-0	VI-15-I VI-15-E	4FB1 4FC1 4FD1	4 6	GEMINI 1800 FARGO, ASKA2000 TURBL	PFD60.JJ510 WFR50/51/53	IN	39	132.3	8	45°	A	7	
						EX	34	132.3	8	45°	A	7	

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PARTS NO.	E.P.NO.	ENGINE TYPE	CYL	VEHICLE		IN	DIMENSIONS						REMARKS
				NAME	MODEL		HD	OL	SD	SA	HS	CG	
9-12551-050-0 9-12551-005-0	VI-16-I	G130 G150 G161	4	WAPS BELLET LGH		IN	38	109.8	8	45°	C	7	
9-12552-215-0	VI-16-E					EX	32	109.8	8	45°	C	7	
9-12552-128-0 9-12552-098-0	VI-16-E					EX	30	108.3	8	45°	C	7	
9-12551-159-0 9-12551-128-0	VI-17-I	G161	4	BELLET FLORIAN FASTER (LUV) ELF	PR50/91.PA20. KB20.KA51	IN	41	109.8	8	45°	C	7	
9-12552-175-0 9-12552-215-0	VI-17-E					EX	32	109.8	8	45°	C	7	
8-94205-977-0 8-94205-742-0	VI-18-I	G161Z G180Z G200Z	4	TROOPER FLORIAN 1600, FASTER BELLET 1600, ELF150 117 COUPE 1800/2000G	PA.KA.KB PF.KR.JR UBS	IN	42.4	109.6	8	45°	C	2	
8-94200-743-0 8-94200-745-0 8-94212-835-0	VI-18-E					EX	34	110.8	8	45°	C	2	
8-94217-178-0	VI-19-I	G161 G180 G200	4	CHEV,LUV 1800 TROOPER 2000	KB30/40 KB26 KB42	IN	40.4	110.7	8	45°	C	2	
8-94217-179-0 8-94119-147-0	VI-19-E					EX	34	109.2	8	45°	C	2	
	VI-20-I	4LB1				IN	32.6	95.8	7	45°	D	7	
	VI-20-E					EX	28.9	95.7	7	45°	D	7	
1-12551-126-1 1-12552-050-0	VI-21-I	6SD1	6			IN	51	133.5	10	45°	D	7	
	VI-21-E					EX	46	131.7	10	45°	D	7	
8-94394-160-1 8-94395-113-1 8-94395-462-0	VI-22-I VI-22-AU VI-22-E	6HH1 6HE1 4HE1	6 4			IN	51	141	9	45°	D	7	
						IN	46.5	141	9	45°	D	7	
						EX	42	140.8	9	45°	D	7	
1-12551-089-0/2 1-12551-0128-0 1-12551-158-0	VI-23-I VI-23-AU	6SA1 6SD1	6	20PCS/BOX	TRUCK9800C.C. FVR23D	IN	48	132	10	45°	D	7	
1-12552-085-0 1-12552-108-0 1-12552-063-0	VI-23-E					EX	46.1	132	10	45°		7	
1-12551-092-0 1-12552-136-0 1-12552-050-0	VI-24-I VI-24-E	6SA1	6	20PCS/BOX	TRUCK9800C.C.	IN	49	134	10	45°		7	
						EX	46	132	10	45°		7	
	VI-25-I	6WA-1	6			IN	43.1	187.9	10	60°	D	7	
	VI-25-E					EX	42.1	187.39	10	45°	D	7	
9-12551-174-0 9-12551-606-0	VI-26-I	G180 P303	4	117 COUPE FLORIAN 180	KB PA95	IN	43	107.5	8	45°	C	7	
9-12552-607-0 9-12552-601-0	VI-26-E					EX	33	107.5	8	45°	C	7	

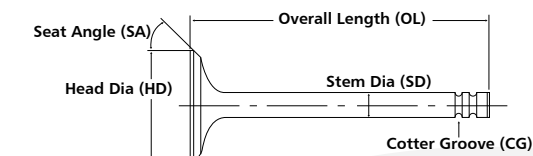


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PARTS NO.	E.P.NO.	ENGINE TYPE	CYL	VEHICLE		IN	DIMENSIONS						REMARKS
				NAME	MODEL		HD	OL	SD	SA	HS	CG	
8-94464-921-0 8-94133-275-1 8-97940-024-0 8-97010-464-0	VI-27-I	4JA1 4JB1	4	ELF TFR TURBO	25	IN	40	118	8	45°	D	7	
8-94433-245-0 8-94274-875-1 8-97940-025-0 8-97010-463-0 8-94133-875-1						EX	35.6	118	8	45°	D	7	
1-12551-030-3 1-12551-005-0	VI-28-I	8PA1 10PA1	8 10 12	TRUCK.BUS. TRACTOR	SKS.SKW.SVZ. SRG.SRK.SRM. SRZ.CRA.VTR. VTZ.WR.WZ. CVR.CXM.CXG. CXK.CZH.CXZ	IN	48	159	10	45°	D	7	
1-12552-015-4 1-12552-005-0 1-12552-026-0	VI-28-E	12PA1 8PC1 10PC1/ B1 12PC1				EX	46	159	10	45°	D	7	
1-12551-129-0 1-12551-057-0	VI-29-I	6RA1 6RB1	6	TRUCK.BUS.	SHM.CXM.CXG. CXM.CQA.CQM	IN	46	165.5	11	60°	D	7	
1-12552-028-0 1-12552-013-0	VI-29-E	6RB2				EX	45	164	11	45°	D	7	
9-12551-182-0 9-12552-244-0	VI-30-I VI-30-E	V170	8	TRACTOR	TV30ES TV40ES	IN EX	49 45	162 162	11 11	60° 60°	D D	8 8	
8-94151-069-0 8-94250-977-0	VI31-I	4XC1 4XE1	4	GEMINI 1500	16V	IN	36	105.2	7	45°	C	7	
8-94250-978-0 8-94145-949-0	VI-31-E					EX	31	105.1	7	45°	C	7	
8-94251-273-0 8-94232-096-0	VI-32-I	4ZA1 4ZB1	4	FARGO 1600 FARGO 1800 ASKA 1800	WFR10 WFR11 JJ110 TFR10	IN	40.3	110.6	8	45°	C	2	
8-94251-274-0 8-94460-637-0 8-94460-673-0 8-94214-920-0 8-94453-404-0	VI-32-E					EX	34	110.2	8	45°	C	2	
8-94251-275-0 8-94251-276-0 8-94251-440-0 8-94153-969-0	VI-33-I		4	ASKA 2000 WFR	JJ120	IN	42.3	110.6	8	45°	C	2	
8-97119-751-0 8-94441-074-0 8-94139-727-0 8-94251-044-0	VI-33-E	4ZC1 4ZD1				EX	36	110.2	8	45°	C	2	
5-12551-033-2 5-12552-040-2	VI-34-I VI-34-E	4FE1	4	2500DI		IN EX	31 26	134.5 134.1	8 8	45° 45°			
1-12551-083-0 1-12551-081-0 1-12551-063-0 1-12551-139-0 1-12551-082-0	VI-35-I	6BG1	6			IN	46	127.9	9	45°	D	7	
1-12552-052-0 1-12552-083-0 1-12552-079-0 1-12552-080-0 1-12552-027-0	VI-35-E					EX	37.5	127.8	9	45°	D	7	

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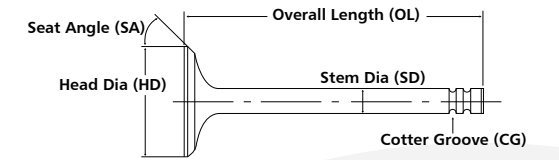
PARTS NO.	E.P.NO.	ENGINE TYPE	CYL	VEHICLE		IN	DIMENSIONS						REMARKS
				NAME	MODEL		HD	OL	SD	SA	HS	CG	
8-94447-025-0 8-94447-026-0	VI-36-I VI-36-E	4ZD1 4ZE1	4		ASKA2000 IMPULSE TROOPER	IN EX	44.2 37	108.6 108.2	8 8	45° 45°	C C	2 2	
8-94174-222-1 8-94174-223-1 8-97110-256-0	VI-37-I VI-37-E	4ZD1 4ZE1	4			IN EX	44.1 37	108.7 108.2	8 8	45° 45°	C C	2 2	
8-94449-047-0 8-94449-048-0	VI-38-I VI-38-E	4FG1	4			IN EX	39 34	134.3 133.4	8 8	45° 45°	D D	7 7	
8-97171-398-0 8-97033-864-0	VI-39-I	4HF1	4		ELF NPR KPT59	IN	50	141	9	45°	D	7	
8-97060-415-0 8-97189-114-0 8-97019-337-0 8-97171-399-0 8-97219-509-2	VI-39-E					EX	42	140.6	9	45°	D	7	
8-97131-729-0 8-97043-861-0	VI-40-I VI-40-E	4JG2	4			IN EX	42 35.7	118 117.7	8 8	45° 45°	A A	7 7	
8-94110-016-0/3 8-97370-173-1 8-94326-843-0	VI41-I	4EC1 4EE1 4FC1(J) T1EC1	4	TURBO	CHEVROLET SPECTRUM USA GEMINI D GOMINI TD	IN	34.5	104.1	7	45°	D	7	
8-94110-017-0/6/4 8-94115-059-3 8-97037-059-0/1 8-97037-591-0	VI-41-E					EX	30.6	104	7	45°	D	7	
1-12551-136-0/1 1-12551-127-0	VI-42-I	10PD1	10			IN	50	159.2	10	45°	D	7	
1-12552-097-0 1-12552-064-0	VI-42-E					EX	46	159.3	10	45°	D	7	
8-97131-961-0 8-97131-962-0	VI-43-I VI-43-E	6VD1	6		TROOPER TWIN CAM	IN EX	34 29	103.8 103.5	6 6	45° 45°	C C	7 7	
8-97015-546-0/2 8-97015-547-0	VI-44-I VI-44-E	6VD1	6	24V.	TROOPER ROEDO V6 DOHC	IN EX	34 30	99 100.5	6 6	45° 45°	C C	7 7	
	VI-45-I	6HH1- 24V	6	24V		IN	39	130.7	8	45°	D	7	
	VI-45-E					EX	37	130.2	8	45°	D	7	
	VI-46-I	6HK1T- 24V	6	24V		IN	37	130.5	8	60°	D	7	
	VI-46-E					EX							
	VI-47-I	4EE1T	4			IN	27.5	98.5	6				
	VI-47-E					EX	26.4	98	6				
	VI-48-I	4HF1	4			IN	51	141	9	45°	D	7	



KIA

PARTS NO.	E.P.NO.	ENGINE TYPE	CYL	VEHICLE		IN	DIMENSIONS						REMARKS
				NAME	MODEL		EX	HD	OL	SD	SA	HS	
FE3N-12-111 K95412111A	VKI-01-I		4	FE	SPORTAGE 16V SEPHIA 1.6	IN	33.3	103.4	6	45°	C	7	
K01312121A OK954-12-121 FE3P-12-121	VKI-01-E					EX	28.9	104	6	45°	A	7	
K9BV12111	VKI-02-I					IN	31.5	89.6	6	45°	C	7	
K566-12121	VKI-02-E		4			EX	27.6	90.1	6	45°	A	7	
B695-12-111 K938-12-111 B65712111	VKI-03-I	B6 B5	4	FAMILA(323) LASER DOHC 16V	1500C.C. 1600C.C.	IN	31	105.2	6	45°	C	7	
K93812121 BJ01-12-121 B695-12-121	VKI-03-E					EX	26.2	105.2	6	45°	C	7	
B301-12-111 MB301-12-111 KK153-12-111	VKI-04-I					IN	32	105.3	7	45°	C	7	
KK150-12-121 B301-12-121 KK151-12-121	VKI-04-E	PRIDE B3	8	16C		EX	28	104.1	7	45°	C	7	
B3C712111 B3D212121	VKI-05-I	B3/B6	8	16V		IN	25.5	108.3	6	45°	D	7	
B3C7-12-121	VKI-05-E					EX	21.5	109.3	6	45°	D	7	
OVNO1-12-111	VKI-06-I	KIA BEST2700	4			IN	41.1	114.5	9	45°	C	7	
OVNO1-12-121	VKI-06-E					EX	35	114.6	9	60°	C	7	
OK65A-12-111A OK65C-12-111 OK65D-12-111	VKI-07-I	BESTA 2.2 R2	4	PREGIO 2.7 J2		IN	44	113.1	8.5	45°	C	7	
OK65A-12-121A K75A-12-121 OK65B-12-121	VKI-07-E					EX	37.5	113.5	8.5	45°	C	7	
FE3N-12-111 K95412111A	VKI-08-I	FE	8	KIA 2.0 16V ORIGINAL		IN	33.6	103.2	6	45°	C	7	
FE3N-12-121 K01312121A	VKI-08-E					EX	29	104.3	6	45°	C	7	
OK30E-12-111 OK30E-12-121	VKI-09-I VKI-09-E	A5D	8	RIO 1.5	16V	IN EX	27.9 25	96.5 95.6	5.5 5.5	45° 45°	C C	7 7	
K410-12-111B SL01-12-111 SLA1-12-111	VKI-10-I	SL	4			IN	45.5	114.5	9	45°	C	7	
K410-12-121 SL01-12-121	VKI-10-E					EX	38.3	114.7	9	60°	C	7	
K930-12-111 B630-12-111	VKI-11-I	B6 B5		16V	SPORTAGE 2.0 SOHC WITHOUT TURBO	IN	38	103.7	7	45°	C	7	
K930-12-121 B630-12-121	VKI-11-E					EX	32	102.6	7	45°	C	7	

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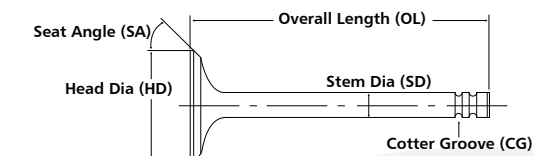


KOMATSU

PARTS NO.	E.P.NO.	ENGINE TYPE	CYL	VEHICLE		IN	DIMENSIONS						REMARKS
				NAME	MODEL		EX	HD	OL	SD	SA	HS	
6610-41-4110 150288	VK-01-I	NH-220 6D130	6	CUMMINS TRACTOR. BULLDOZER GRADER. GENETATOR COMPRESSOR	NH-220	IN	44.2	179.3	10.2	60°	C	8	
6610-41-47210 70671/144911	VK-01-E			EX		44.2	179.3	10.2	60°	C	8		
6712-41-4110 6710-41-4210 3000926 3803512 123542 135957	VK-02-I	NH-250 A855	6	CUMMINS DUMP TRACTOR. BULLDOZER SHOVER	NH-250 NT855	IN	47.5	179.6	11.5	60°	C	8	
6710-41-4210 3803519 3803524 123659 145701 3086436 3040830 3024333	VK-02-E			EX		47.5	179.6	1.5	60°	C	8		
6140-41-4111	VK-03-I	4D92 4D94	6	TRACTOR. BULL DOZZER SHOVEL COMPRESSOR GENERTOR		IN	40	134	8.95	45°	A	8	
6140-41-4211 6142-41-4210 6140-42-4210	VK-03-E			EX		35	134	8.95	45°	A	8		
6204-41-4110 6207-41-4110	VK-04-I	4D95 6D95	4 6	TRACTOR, SHOVEL COMPRESSOR GENERTOR		IN	44	128	8	45°	A	2	
6204-41-4210 6204-43-4210 6209-41-4210	VK-04-E			EX		38	128	8	45°	A	2		
6131-42-4210 6130-41- 4110/4131	VK-05-I	4D105	4	TRACTOR. BULLDOZER GRADER. GENETATOR COMPRESSOR		IN	46	150.5	10	60°	A	8	
6130-41-4131 6130-41-4210	VK-05-E			EX		40	150.5	10	45°	A	8		
6136-41-4110 6138-41-4110	VK-06-I	4D105 6D105 (6D110)	4	TRACTOR. BULLDOZER GRADER. SHOVEL GENETATOR COMPRESSOR		IN	46	145.5	10	60°	C	7	
6136-41-4210	VK-06-E			EX		40	145.5	10	45°	C	7		
6209-41-4110	VK-07-I	6D95 SAD95L	4			IN	44	128	8	60°	D	2	
6209-41-4210 6204-41-4210	VK-07-E			EX	38	128.3	8	45°	D	2			
6136/8-42-4110	VK-08-I	(S) 4D105 6D105 (6D110)	4 6	TRACTOR. BULLDOZER GRADER. SHOVEL GENETATOR COMPRESSOR		IN	47	148.5	9	60°	D	7	
6136-42- 4210/4211	VK-08-E			EX		41	148.5	9	45°	D	7		

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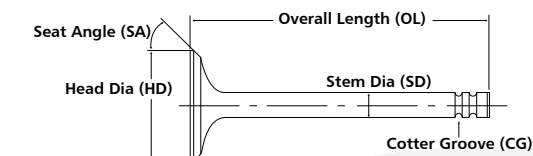
PARTS NO.	E.P.NO.	ENGINE TYPE	CYL	VEHICLE		IN	DIMENSIONS						REMARKS
				NAME	MODEL		HD	OL	SD	SA	HS	CG	
6110-43-4110	VK-09-I	(S) 4D120	4	TRACTOR. BULLDOZER GRADER. SHOVEL GENETATOR		IN	53	172	11	45°	C	1	
6110-43-4210 6110-41- 4110/4210	VK-09-E					EX	49	173	11	45°	C	1	
6114-41-4110	VK-10-I	(S) 4D130	4	TRACTOR. SHOVEL BULLDOZER GRADER. COMPRESSOR		IN	53	172	11	45°		7	
6114-41-4210	VK-10-E					EX	49	173	11	45°		7	
6127-41-4113 6127-41-4112 50213800	VK-11-I	4D155 6D155	4	TRACTOR. BULLDOZER GENETATOR		IN	56	212.5	11	60°		7	
6127-41-4214 6127-41-4212 50213900	VK-11-E					EX	53	212.5	11	45°		7	
6150-41-4111 6150-42-4110	VK-12-I	6D125	6	TRACTOR. BULLDOZER GRADER. GENETATOR COMPRESSOR		IN	45	169.5	9	60°	C	7	
6150-41-4210 6150-42-4210	VK-12-E					EX	44	169.5	9	45°	C	7	
6162-43-4110/1	VK-13-I	6D170	6	TRACTOR. BULLDOZER SHOVEL DUMP		IN	57	196.5	12	65°		7	
6162-43-4210 6164-41- 4210/11	VK-13-E					EX	56	196.5	12	45°		7	
	VK-14-I	4D95Q	4			IN	45.1	128.1	9	45°	A	7	
	VK-14-E					EX	37.5	128	9	45°	A	7	
3088393 3052820	VK-15-I	CUMMINS EVFK				IN	56.3	191.8	13	60°	D	7	
3088391	VK-15-E					EX	56.3	191.7	13	60°	D	7	
6754-41-4100 3802924 3940735	VK-16-I	QSB	6BT 15B			IN	33	124.6	7	60°	A	8	
6754-41-4200 3802967 3940734	VK-16-E					EX	33	124.4	7	45°	D	7	
3920867 3802355 3802005 3901117 6736-41-4110	VK-17-I	CUMMINS 6BT S6D102	6			IN	45	129.3	8	60°	A	8	
3920868 3902356 3920868 3802006 3802481 6736-41-4210	VK-17-E					EX	42	129.2	8	45°	A	7	
3924492	VK-18-I	6CT	6	SERIES CUMMINS		IN	52	151.2	9.5	60°		7	
3921444	VK-18-E					EX	46	151	9.5	45°		7	

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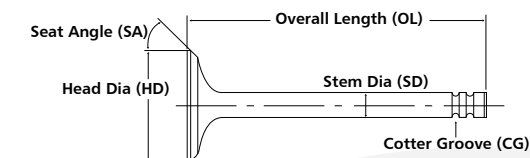
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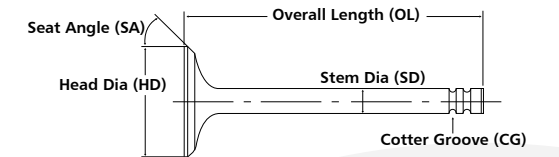
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PARTS NO.	E.P.NO.	ENGINE TYPE	CYL	VEHICLE		IN	DIMENSIONS						REMARKS
				NAME	MODEL		HD	OL	SD	SA	HS	CG	
E301-12-111 0324-12-111 E501-12-111 0488-12-121	VM-01-I	E3 E5 TC UC	4	FAMILIA 1300/1400/1500 808 1300.BONGO PROCEED LASER 1500	BD1031/1051 BE5 FA2/3/4/5 BA2 BTA67,STB, STL,SS48,ST3	IN	36	105.5	8.1	45°	C	7	
0324-12-121B D303-12-121 E301/E501-12-121 8572*2121 E501-12-121	VM-01-E					EX	31	103.5	8.1	45°	A	7	
F601-12-111 F604-12-121	VM-02-I	F6	4	CAPELLA 1600 TELSTAR 1600	GC6	IN	41	112	8.1	45°	C	7	
F601-12-121 F606-12-121	VM-02-E					EX	34	111.8	8.1	45°	C	7	
F801-12-111/A	VM-03-I	F8 FE	4	CAPELLA 1800/2000 BANGO1800/2000 LUCE2000,B2200 CONVO SPECTRON, TELSTER	GC8,SS88 GCE,HBE,SRE9	IN	44	111.9	8.1	45°	C	7	
F804-12-121/A F801-12-121/A	VM-03-E					EX	36	111.9	8.1	45°	C	7	
SE01-12-111	VM-04-I	HA	4	TITAN 3000 E3000,T3000 PARK WAY	TA3,WEW,WEF WEY,WVL	IN	45	114.5	9	45°	C	7	
SE01-12-121	VM-04-E					EX	37.5	114.7	9	60°	C	7	
0453-23-255 0290-12-111C D27Z-6507A	VM-05-I	MA NA VB VC	4	CAPELLA 1600/1800/2000 LUCE 1800/2000 PROCEED 1600/1800 BONGO 1600,E1600, T2000 B1600/1800/2000 (808,616,618,929)	CE3,CB1/CB2 HBPHBS,LA47 BA2, BNA61,BNB61, PE2,SN3,SN4,SN4 SVA,SVB,EVB ,EVH,LA3,SUB, EUG,CD2	IN	42	108.6	8.1	45°	C	7	
0305-12-121/A HE19-12-121/A 0453-23-256 8173-12-121 D27Z-6505A	VM-05-E					EX	33	107.1	8.1	45°	C	7	
0259-12-111 0249-12-111/A	VM-06-I	PB	4	FAMILIA 1000 BONGO 1000	SPA,FPA,FAA, SPB,BPA,BPB	IN	32	108	7	45°	C	7	
0249-12-121/A 0259-12-121	VM-06-E					EX	27.5	98.5	7	45°	A	7	
0317-12-111/A	VM-07-I	PC	4	FAMILIA PRESTO 1000(323)	SPC FA3	IN	35	106	8.1	45°	C	7	
0317-12-121 0483-12-121 0483-12-121	VM-07-E					EX	30	103	8.1	45°	A	7	
RF01-12-111	VM-08-I	R2 RF	4	BONGO 2200 CAPELLA 200 BONGO 2000 SPECTRON	SRZA GCF,SSF8,SRE9	IN	41	106.9	8	45°	C	7	
RF01-12-121/B	VM-08-E					EX	36	106.8	8	45°	C	7	
0636-12-111	VM-09-I	S2 XA ZB	4 4 6	LUCE 2200 BONGO 2200 E2200,B2200 PARKWAY BOXER 2500/4100,E2500 TITAN 2500/4100, T2500,T4100	LUCE 2200 BONGO 2200 E2200,B2200 PARKWAY BOXER 2500/4100,E2500 TITAN 2500/4100, T2500,T4100	IN	40.5	114.5	8	45°	A	7	
0636-12-121	VM-09-E					EX	35.5	114.5	8	45°	A	7	
0527-12-121	VM-09-E					EX	36	114.7	8	45°	D	7	

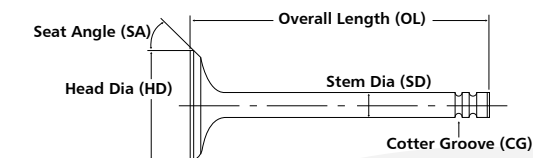


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PARTS NO.	E.P.NO.	ENGINE TYPE	CYL	VEHICLE		IN	DIMENSIONS						REMARKS
				NAME	MODEL		HD	OL	SD	SA	HS	CG	
0187-12-111	VM-10-I	SA	4	FAMILA 800 BONGO 800	BSA,FSA, MSA,SSA	IN	27.2	83.7	6	45°	C	7	
0187-12-121	VM-10-E					EX	23	94.9	6	45°	A	7	
0268-12-111	VM-11-I	TA TB	4	FAMILA 1200	BAT 55/65 STA	IN	34	108	7	45°	C	7	
0268-12-121	VM-11-E					EX	29	98.5	7	45°	A	7	
0107-12-111	VM-12-I	UA	4	PROCEED 1500 CRAFT 1500	BUD 61 DUC9	IN	37.5	114.4	9	45°	A	7	
0107-12-121	VM-12-E					EX	30	115	9	45°	A	7	
0222-12-111	VM-13-I	UB	4	GRAND FAMILIA 1500 CAPELLA 1500 LUCE 1500	SUA,SU2A SU4A	IN	38	108.2	8	45°	C	7	
0222-12-121	VM-13-E					EX	32	106.2	8	45°	A	7	
0164-12-111	VM-14-I	VA	4	TRUCK, LIGHT BUS	EDT 2000	IN	39.5	113	9	45°	C	7	
0164-12-121	VM-14-E					EX	30	113	9	45°	A	7	
0552-12-111	VM-15-I	VA	4	TITAN 2000,T2000 PARK WAY,E2000	TVA8/10/32 CVH,AVE,EVG,E VB,EVB43,EVH1 2,EVK15	IN	39.5	112.5	8.1	45°	C	7	
0552-12-121/A	VM-15-E					EX	30	112.5	8.1	45°	A	7	
0600-12-111	VM-16-I	WA	4	E2300	EWA15/35 EWB15	IN	41.5	109.9	9	45°	C	7	
0600-12-121	VM-16-E					EX	30	110.2	9	45°	A	7	
B630-12-111	VM-17-I	B5 B6	4	323	16V	IN	38	103.7	7	45°	C	7	
B630-12-121	VM-17-E					EX	32	102.6	7	45°	C	7	
1304-12-111A	VM-18-I	XC YA ZC	6	TITAN 3700 BOXER 3700 BOXER 5500		IN	44.2	122.8	9.5	45°	C	7	
1304-12-121A	VM-18-E					EX	37.3	122.8	9.5	45°	A	7	
SL01-12-111/A	VM-19-I	HA SL	4	TITAN 3500		IN	45.5	114.6	9	45°	C	7	
SL01-12-121	VM-19-E					EX	38.3	114.6	9	60°	C	7	
E388-12-111	VM-20-I	E5 E3	4	FAMILIA(323) 1300C.C. LASER 1500C.C.		IN	36	108.5	8.1	45°	C	7	
E5D3-12-111	VM-20-E					EX	31	106.4	8.1	45°	C	7	
E358-12-121	VM-20-E	TF	4		T4000 4000C.C.	IN	47	119.8	9	45°	C	7	
E5D3-12-121	VM-21-I					EX	41	119.2	9	60°	C	7	
TF20-12-111	VM-21-E	B6	4	FAMILIA 1600C.C.(323)	SOHC 16V	IN	29.5	104	6	45°	C	7	
TF20-12-121	VM-22-I					EX	23.5	105	6	45°	C	7	
B541-12-111	VM-22-E		4			IN	39	103.7	7	45°	C	7	
B62A-12-121	VM-23-I					EX	32	102.7	7	45°	C	7	
B610-12-111	VM-23-E	F2	4	IN-8 EX-4		IN	32.5	115.8	7	45°	C	7	
B610-12-121	VM-24-I					EX	34	116.3	7	45°	C	7	
F201-12-111	VM-24-E	W9 WL	4	IN-8 EX-4	E2500 2500C.C. B2500 B2900 2900C.C.	IN	32.6	111.9	7	45°	C	7	
F201-12-121/A/R	VM-25-I					EX	35.5	111.8	7	45°	C	7	
F210-12-121	VM-25-E	XA	4		T2500 2500C.C.	IN	40.5	114.5	9	45°	C	7	
WL51-12-111	VM-26-I					EX	36	114.5	9	45°	C	7	
WL51-12-121	VM-26-E		4			IN	32.6	111.9	7	45°	C	7	
WL01-12-111	VM-25-I					EX	35.5	111.8	7	45°	C	7	
WL51-12-121	VM-25-E		4			IN	32.6	111.9	7	45°	C	7	
WL01-12-121	VM-25-E					EX	35.5	111.8	7	45°	C	7	
S501-12-111	VM-26-I		4			IN	40.5	114.5	9	45°	C	7	
S501-12-121	VM-26-E					EX	36	114.5	9	45°	C	7	

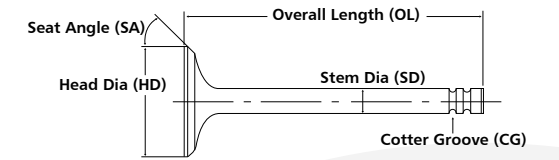
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PARTS NO.	E.P.NO.	ENGINE TYPE	CYL	VEHICLE		IN	DIMENSIONS						REMARKS
				NAME	MODEL		HD	OL	SD	SA	HS	CG	
B660-12-111	VM-27-I	B1/B3	4			IN	31	105.3	6	45°	C	7	
B660-12-121	VM-27-E					EX	26.2	105.4	6	45°	C	7	
FS01-12-111	VM-28-I	FS	4	16V	MS-6 2200C.C. 626	IN	31.5	89.8	6	45°	C	7	
FS01-12-121	VM-28-E					EX	27.5	90.2	6	45°	C	7	
FS05-12-121	VM-28-E	B5/B6	4	16V		IN	31	105.3	6	45°	C	7	
801-12-121	VM-29-I					EX	26.2	105.4	6	45°	C	7	
B695-12-111	VM-29-I	BP	4	16V	CAPELLA TELSTER (SOHC)1800C.C. 323	IN	30	101.8	6	45°			
B695-12-121B/C	VM-29-E					EX	25	103	6	45°			
BJ01-12-121	VM-30-I	BP	4	16V	PROTEGE (DOHC) FAMILA,LASER MX-5 1800C.C. MIATA DOHC	IN	33	102	6	45°			
B660-12-121	VM-30-E					EX	28	102	6	45°			
BP01-12-111	VM-31-I	BP(DOHC)	4	16V		IN	33.6	103.2	6	45°			
BP01-12-121	VM-31-E					EX	29	104.3	6	45°			
BP05-12-111	VM-32-I	FE	4		626 16V	IN	32	94.2	6	45°	C	7	
BP05-12-121	VM-32-E					EX	27.6	95.1	6	45°	C	7	
FE3N-12-111	VM-33-I	KF KL	4	V6	2500C.C. MX-5 DOHC MS-8 24V	IN	36	101.5	7				
FE3N-12-121	VM-33-E					EX	32	101.5	7				
KL01-12-111	VM-33-I	PM	4		323 1700C.C.	IN	36	101.5	7				
KL01-12-121	VM-33-E					EX	32	101.5	7				
PN11-12-111	VM-34-I	RF-T	4	DIESEL RFT2.0	16V	IN	29.6	115.3	6	45°			
PN20-12-121	VM-34-E					EX	25.5	114.6	6	45°			
RF2A-12-111	VM-35-I	RF-T	4		B2000 FAMILIA VAN BONG WAGON DIESEL TURBO 2000C.C.	IN	39.4	106.8	8	45°			
RF2A-12-121	VM-35-E					EX	35	106.6	8	60°			
RF71-12-111	VM-36-I	RF-T	4			IN	35	106.6	8	60°			
RF71-12-121	VM-36-E					EX	35	106.6	8	60°			
Z501-12-111A/C	VM-37-I	Z5	4	16V	323 PROSTAGE 1500C.C.	IN	27.7	92.2	5.5	45°			
Z501-12-121	VM-37-E					EX	24	92.8	5.5	45°			
G601-12-111	VM-38-I	G6	4			IN	33.3	112.6	7	45°			
G602-12-121	VM-38-E					EX	36	114	7	45°			
B3C7-12-111A	VM-39-I	B3	4	16V	323 1300C.C. 324 LASER	IN	25.5	108.3	6	45°			
B3C7-12-121	VM-39-E					EX	21.5	109.3	6	45°			
B3D2-12-121	VM-40-I	LF-DE	4	M6 16V	MAZDA 3 (AXELA) MAZDA 5 (PREMACY) MAZDA6 (ATENZA)	IN	35	103.4	.5	45°			
B3D3-12-122	VM-40-E					EX	30	104.6	5.5	45°			
LF01-02-12-111	VM-40-I		4			IN	35	103.4	.5	45°			
LF02-12-121/C	VM-40-E					EX	30	104.6	5.5	45°			

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MERCEDES BENZ

PARTS NO.	E.P.NO.	ENGINE TYPE	CYL	VEHICLE		IN	DIMENSIONS						REMARKS
				NAME	MODEL		EX	HD	OL	SD	SA	HS	
V90049 TRW:1603 3520530101	VMB-01-I	911	4 6		OM314 OM352 (TRUCK)	IN	44	140.5	9	45°	A	2	
V90168 3520531505 TRW:1604	VMB-01-E					EX	36	140.5	10	45°	C	2	
V90047 3550530001 1657	VMB-02-I	1621	6		OM355A-TURBO OM346-951	IN	42	130.7	9	60°	A	2	
V90048 355053005 1658	VMB-02-E					EX	37.2	166	9	60°	A	2	
3460530001 3460530101	VMB-03-I	24PCS/ SET	6		OM346 TRUCK OM3555A- TURBO OM355	IN	42	129.8	9	45°	A	2	
3460530005 3460530105 3550500127	VMB-03-E					EX	37	165.3	9	45°	A	2	
3550530001	VMB-04-I		6		OM355T	IN	42	130.6	9	30°	A	2	
3550530005 3550500027	VMB-04-E					EX	37	165.9	9	30°	A	2	
3270530701 3600530001 3600500326	VMB-05-I		6		OM360 BUS	IN	54	150	10	45°	A	2	
3270530705 3600500127 3600500227	VMB-05-E					EX	43	150	10	45°	A	2	
4030530901 4230500026	VMB-06-I		8		OM402	IN	59	142.5	12	30°	A	2	
4030500427 4030501027 42305000327/427	VMB-06-E					EX	51	142.5	12	45°	A	2	
	VMB-07-I		4		616	IN	40	131.5	70	60°			
	VMB-07-E					EX							
6110530101 6110530401	VMB-08-I		4 5 6		OM611 OM612 OM613	IN	30	103.9	7	45°	A	7	
6110530105 6110500127	VMB-08-E					EX	28.4	104.4	7	45°	A	7	
A271 053 00 01	VMB-09-I					IN	30.4	105.4	7	45°	C	7	
A271 050 04 27	VMB-09-E					EX	27	109.3	7	45°	A	7	
6010530201 6010530401 6010531201	VMB-10-I		4 5 6		OM602 601 603	IN	38	106.4	8	45°	C	7	
6010500227 6010500527 6010501227 6010501927 6010502127 6010502327	VMB-10-E					EX	35	106.4	9	45°	C	7	

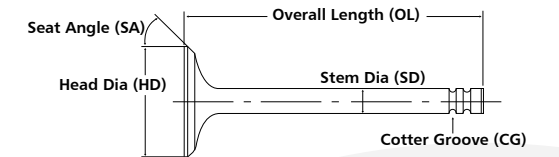


MITSUBISHI

PARTS NO.	E.P.NO.	ENGINE TYPE	CYL	VEHICLE		IN	DIMENSIONS						REMARKS
				NAME	MODEL		HD	OL	SD	SA	HS	CG	
ME-013810 ME-023881 ME-011244 ME-029006 ME-011265	VMI-01-I	4D34 4D30 4D31 6DS7 PS100 PS120	4 6	CANTER, ROSA TRUCK, BUS, FE111	FE, BE, BH T.B. MR. FK	IN	44	137	9	45°	D	3	
ME-011245 ME-029007 ME-013832 ME-013834 ME-023882 ME-024011 ME-011-266	VMI-01-E					EX	37	137	9	45°	D	3	
MD-050552 MD-050100	VMI-02-I	4D55	4	GALANT 2300 DELICA 2300	A167 LO38/043	IN	40	136.5	8	45°	D	3	
MD-050543 MD-050101	VMI-02-E			PAJEOR, RAM50	/048/068	EX	34	136.5	8	45°	D	3	
MD-083657 MD-083661	VMI-03-I	4D55 4D56	4	PAJEOR (DIESEL)	LO43G/048G LO44G	IN	40	136.5	8	45°	D	7	
MD-083659 MD-083662	VMI-03-E	L300		GALANT DELICA	L200 CYCLONE D55T/D66T	EX	34	136.4	8	45°	D	7	
ME-031297 ME-013863 ME-031938 ME-031014	VMI-04-I	4D33/30 6D10 6D11	4 6	TRUCK, BUS,	FK, FM, T.BK. MK, MM, FD, T	IN	47	137	9	45°	D	3	
ME-031154 ME-031015 ME-031940 ME-013833	VMI-04-E	6D14(T) 6D16(T)				EX	40	137	9	45°	D	3	
ME-031937 ME-031557 ME-017145	VMI-05-I	6D15 6D16	6	TRUCK, BUS,	FK, FM, MK, MM.	IN	49	137	9	45°	C	3	
ME-031939 ME-031558 ME=012557	VMI-05-E					EX	42	137	9	45°	C	3	
ME-051696 ME-051063 30904-00401 30904-00302	VMI-06-I	D65 6D20 6D21 6D22	6	TRUCK, BUS, TRUBO	FP, FT, FU, MP, FS, FN, K	IN	55	174.7	12	45°	D	3	
ME-051064 ME-051697 31204-71101	VMI-06-E					EX	50	174.7	12	45°	D	3	
MD-070767	VMI-07-I	6D22				IN	36	118.6	8	45°	D	7	
MD-070768 MD-070769 MD-072481 MD-080778	VMI-07-E	4D65 4D6	4	BUS	MP118/518	EX	32	119	8	45°	D	7	
30004-23101 30004-23103	VMI-08-I					IN	53	176.5	12	45°	A	3	
30004-31101 30004-35101 30004-31103 30004-31201	VMI-08-E	6DB1	6	TRUCK, BUS,	R.W.B. MR	EX	45	176.5	12	45°	A	3	

MITSUBISHI

PARTS NO.	E.P.NO.	ENGINE TYPE	CYL	VEHICLE		IN	DIMENSIONS						REMARKS
				NAME	MODEL		HD	OL	SD	SA	HS	CG	
ME-061546 31204-01201 31104-00101	VMI-09-I	6DC2 8DC2 10DC6	6 8 10	FUSO, DIESEL, TRUCK	T800/T982, B B800/905	IN	62	174.7	12	45°	A	3	
31104-01102 31104-01103 31204-70200 31204-71101 ME-051064	VMI-09-E					EX	50	175	12	45°	A	3	
ME-091558 ME-061545 31204-30200 31101-00401	VMI-10-I	8DC7 8DC8 8DC9	8	TRUCK, BUS	FS, FT, FU, FV, T.NV.B. MS	IN	59	174.7	12	45°	C	3	
ME-061547 ME-061546 31204-31200 ME-065587 31101-00501	VMI-10-E					EX	53	175	12	45°	D	3	
30604-00100 30604-00102	VMI-11-I	4DQ3 4DQ1	4	CANTER BUS	T720/722 MB720	IN	40	118	8	45°	A	2	
30604-01101 30604-01103	VMI-11-E	4DR1 4DQ5				EX	31	118	8	45°	A	2	
ME-001142 31304-00100 ME-001115	VMI-12-I	4DR5 6DR5	4 6	JEEP ROSA, CANTER, FORK, JUPITER, ROSA	J.B. BH.T. FD, FB, FE	IN	41	124	8	45°	C	2	
ME-001143 31304-01101 ME-0011161	VMI-12-E					EX	32	124	8	45°	C	2	
ME-023881 30804-00100 ME-020236	VMI-13-I	6DS5 6DS1 6DS3	6	TRUCK	T620/630 /650/663	IN	46	137	9	45°	A	3	
ME-023882 30804-01101 ME-023643 ME-021039	VMI-13-E	6DS7 4D34T 4D30 4D32				EX	37	137	9	45°	A	3	
MD-016460 MD-003787 22211-21010	VMI-14-I	4G11 G12 G13 G15	4	LANCER, FLORE, CELESTE MIRAGE 1200/1300/1500 TREDIA 1400	A141/142 /148/149 151/152/155/156 /171/172 2G23 C11/12 L100	IN	34	102	6.6	45°	C	7	
MD-016461 MD-003788 22212-21010	VMI-14-E					EX	30	101	6.6	45°	C	7	
MD-006480 MD-006481	VMI-15-I VMI-15-E	G32 (DOHC)	4	GALANT	A55	IN EX	41 36	111.1 110.4	8	45°	C A	7 7	
MD-000480 MD-002480 MD-064871	VMI-16-I	4G32 4G33 4G35 4G36	4	GALANT, GALANT 1600/1700 DELICA 1400 LANCER CORDIA, TREDIA, FORK JUPITER	A53-212, L021-036 A54/55/62/72/75 143, T22/25 L031/036 FG10/15 L300	IN	38	106	8	45°	C	3	
MD-000481 MD-002481 MD-007783	VMI-16-E					EX	31	102.5	8	45°	A	3	

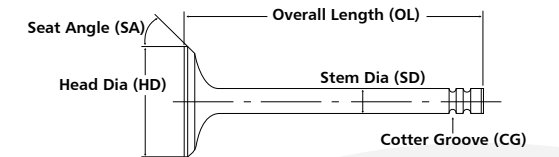


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PARTS NO.	E.P.NO.	ENGINE TYPE	CYL	VEHICLE		IN	DIMENSIONS						REMARKS
				NAME	MODEL		HD	OL	SD	SA	HS	CG	
MD-010480	VMI-17-I	4G41 4G42	4	GALANT, FORK DELICA 1400 LANCER 1200	A61,A71 A72 T120/121 FG14/15	IN	37	100.6	8	45°	C	2	
MD-010481	VMI-17-E					EX	29	100.6	8	45°	A	2	
MD-040523 MD-020580 MD-040791	VMI-18-I	4G51 4G50 4G52 4G53 4G62 4G63	4	GALANT, GALANT1850 NEW GALANT, CELESTE FORTE 2000,JEEP CANTER,JEEP, ROSA CANTER,FORK	A114-112/132 A57/115/123 /133/146 L022,J46/58/59 T206/216/217, FG30 J26/38/46/56, B207/217	IN	43	112.7	8	45°	C	3	
MD-020583 MD-020581 MD-024586 MD-020586 MD-020589 MD-040539	VMI-18-E					EX	35	111.6	8	45°	C	3	
MD-024499 MD-024638 MD-024518	VMI-19-I	G54	4	DEBONAIR, GALANT 2600 JEEP ARROW PAJERO (MONTERO) RAMSO	A32/33/135 J27/37/47/57 L023	IN	46	110	8	45°	C	3	
MD-024519 MD-024548 MD-024639	VMI-19-E					EX	38	108	8	45°	D	3	
MD-083848 MD-083849	VMI-20-I	4G54C	4	PAJERO(GAS)2600 DEBONAIR GALANT SAPPORO	G5/G SG5/G5S CHRYSLER 2.6 FORKLIFT	IN	46	108	8	45°	C	7	
MD-083851 MD-083850 MD-092999 MD-094619	VMI-20-E					EX	38	105.7	8	45°	C	7	
MD-070691 MD-070692 MD-083888	VMI-21-I	4G62 G63 4G63	4	GALANT LANCER DELICA, PAJERO	L200 97'	IN	43	109.8	8	45°	C	7	
MD-070693 MD-070694	VMI-21-E					EX	35	108.7	8	45°	D	7	
K451565-0 K451566-0	VMI-22-I VMI-22-E	KE45	4	COLT 1500	A22/25/27/28	IN	38	113.1	8	45°	C	2	
	VMI-23-I					EX	30	113.1	8	45°	A	2	
	VMI-23-E	2G24				IN	34	102	6.6	45°	C	7	
	VMI-24-I					EX	30	101	6.6	45°	C	7	
	VMI-24-E	2G25				IN	35	102.2	6.6	45°	C	7	
						EX	31	100.7	6.6	45°	C	7	
MD-075924 MD-075925	VMI-25-I	4G33 4G32	4		L200/L300 LANCER 83 CHRYSLER	IN	38	103.4	8	45°	C	7	
MD-075927 MD-075928	VMI-25-E					EX	31	100.1	8	45°	A	7	
32A04-10100 32A04-00100 32A04-20100	VMI-26-I	S4S	4	FORKLIFT		IN	44	120	8	60°	D	2	
32A04-11100 32A04-00100 32A04-01100 32A04-21100	VMI-26-E					EX	35	120	8	60°	D	2	
34404-10100	VMI-27-I	S4E	4	FORKLIFT		IN	42	133	8	60°	A	3	
34404-00100 34404-11100	VMI-27-E					EX	35	133	8	60°	A	3	

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				NAME	MODEL		HD	OL	SD	SA	HS	CG	
MD-128434 MD-128435 MD-128432	VMI-28-I VMI-28-II	4G13/4G15	4		T-120SS LANCER/ COLT1300C.C.	IN	26	101	6.6	45°	C	7	
MD-149314 MD-139775	VMI-28-E					EX	33	101	6.6	45°	D	7	
MD-113238 MD-113239	VMI-29-I VMI-29-E	3G81	3			IN	30	100.6	6.6	45°	C	7	
22211-33000/10 MD-127847 MD-127840	VMI-30-I					IN	34	109.7	6.6	45°	C	7	
MD-127848 MD-127841 22212-33000/10 MD-184078 MD-130164	VMI-30-E	4G61/4G63	4	16V	LANCER/ COLT 1600C.C. C53/63/73 GALANT2000C.C.	EX	30.5	109.8	6.6	45°	C	7	
301339 22211-35004 MD-088811	VMI-31-I					IN	43	103	8	45°	D	7	
MD-096219 MD-088812 MD-301340	VMI-31-E	6G72	6	24V	V6 S12A L141/146/Z16 S22	EX	35	102.7	8	45°	D	7	
080780 MD-069806 080253	VMI32-I					IN	42	98.2	8	45°	C	7	
MD-070791 069807	VMI-32-E	4G37/G37B	4		E12/32A/A215 C77/D05V E-12	EX	34	95.5	8	45°	D	7	
200050 ME-202687 ME-201705(T)	VMI-33-I					IN	41	108.7	8	45°	A	7	
200051 ME-202688 ME-201706(T)	VMI-33-E	4M40	4	PAJERO 2800 MONTERO 3500 V36/V46	TDI	EX	35	108.5	8	45°	A	7	
MD-159502 MD-301193	VMI-34-I					IN	33	112.2	6	45°	C	7	
MD-303177 MD-199193 MD-197106 MD-197097 MD-306183 MD-310465	VMI-34-E	6G74 4G63-MPI 4G64	6 4	ETERNA GALANT2000CC L200 2002' 16V	E33A,DOHC E39A,DOHC	EX	29	114.3	6	45°	C	7	
MD-085253 MD-085254 MD-096632	VMI-35-I VMI-35-E					IN	46	106.5	8	45°	C	7	
MD-162422	VMI-36-I	4G92 4G93	4	ETERNA EMERAUDE GALANT 16V	NIIW,21W E72A E52A,54A E72A	EX	38	105.1	8	45°	C	7	
MD-162616 MD-162423	VMI-36-E					IN	30	110.3	6	45°	C	7	
MD-186756 MD-173602	VMI-37-I VMI-37-E	4D68	4		ENTERNA GALANT LIBERO, CARGO	IN	36	114.1	8	45°	D	19	
MD-173603 MD-173604 MD-180356						EX	32	113.8	8	45°	D	19	

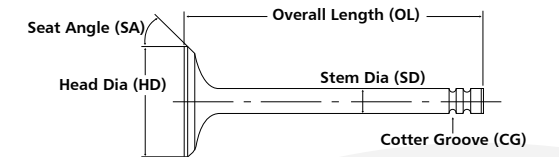


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PARTS NO.	E.P.NO.	ENGINE TYPE	CYL	VEHICLE		IN	DIMENSIONS						REMARKS
				NAME	MODEL		HD	OL	SD	SA	HS	CG	
MD-162799 MD-162780	VMI-38-I	4D91	4	16V	MIRAGE CA3A,CB3A	IN	33	104.2	6	45°	C	19	
MD-162800 MD-162781	VMI-38-E				CC3A,3D3A WIRA1500C.C. LANCER	EX	28	103.9	6	45°	C	19	
MD-198403 MD-198404 MD-321272/1 22211-42520	VMI-39-I	4D56 4D56TC	4	TURBO	PAJERO 2476C. C.	IN	40	130.1	8	45°	D	19	
MD-198405 MD-198406 22212-42520 MD321273	VMI-39-E					EX	34	129.9	8	45°	D	19	
MD-339752 PW513658 MD-950314	VMI-40-I	4G18	4	LANCER2001 C33A 16V		IN	29	111.7	5.5	45°	C	7	
MD-339754 MD-358422 PW513659	VMI-40-E					EX	25.5	114.7	5.5	45°	C	7	
MD-113242	VMI-41-I	3G83	3			IN	25	100.3	5	45°	C	19	
MD-113243	VMI-41-E					EX	21	105.8	5	45°	C	19	
MD-174626	VMI42-I	G15	4			IN	35	101.6	6.6	45°	C	7	
MD-174629	VMI-42-E					EX	31	100.5	6.6	45°	C	7	
32504-00200	VMI-43-I	S6A2 (S6B)	6		CAT	IN	54	180	10	60°	D	8	
32504-01200 32504-11201	VMI-43-E					EX	50	180	10	60°	D	8	
32504-00100	VMI-44-I	S6A2	6		CAT	IN	48	180	10	45°	D	7	
32504-11102 32704-11102	VMI-44-E					EX	44	180	10	45°	D	7	
	VMI-45-I	S6N				IN	54	197	10	45°	D	7	
	VMI-45-E					EX	50	197.3	10	60°	D	7	
MD-135481 MD-135479 MD-172315	VMI-46-I	6G72	6		PAJERO/3000C.C. MONTERO L146G/V25/45	IN	35	106.4	6.6	45°			
MD-135482 MD-135480 MD-183730	VMI-46-E					EX	30.5	105.5	6.6	45°			
ME-120529	VMI-47-I	6D40T	6		TRUCK FP DIESEL TURBO	IN	46	185.4	10	45°	D	3	
ME-350711	VMI-47-E					EX	46	185.6	10	45°	D	3	
MD-160947 MD-181420	VMI-48-I	6A12 V6			GALANT2000C.C.	IN	31	107	6	45°	C	7	
MD-160948 MD-160949	VMI-48-E					EX	27	105.6	6	45°	C	7	
36704-00401 36704-01401	VMI-49-I	S6KT S6F	6			IN	44	134	8	60°	D	2	
36704-01601	VMI-49-E					EX	37	134	8	60°	D	2	
	VMI-50-I	S4L				IN	34	102.6	6.6	45°	D	7	
	VMI-50-E					EX	27.2	102.6	6.6	45°	D	7	
ME-160062	VMI-51-I	8M20				IN	50	185.2	10	45°	C	3	
ME-350711	VMI-51-E					EX	46	185.6	10	45°	C	3	

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				NAME	MODEL		HD	OL	SD	SA	HS	CG	
MD-342090	VMI52-I		4	16V	SPACE STAR 1.3 LANCER 2002'	IN	27	111.6	5.5	45°	C	7	
MD-361965 MD-342091	VMI-52-E					EX	23.4	114.8	5.5	45°	C	7	
ME-170313	VMI-53-I	6D17	6		TRUCK 8200C.C. FK	IN	51	137	9	45°	D	3	
ME-071961 ME170315	VMI-53-E					EX	44	137	9	45°	D	3	
	VMI-54-I	S6R	6		ALI	IN	57	204.8	10	60°	D	8	
2439-1	VMI-54-E					EX							
PW-811080	VMI-55-I	GEN2 CAMPRO				IN	31	101.6	5	45°	C	11	
PW-811081	VMI-55-E					EX	26.7	100.8	5	45°	D	11	
ME-072980	VMI-56-I	6D17	6	24V		IN	40	128	7.96	45°	C	3	
ME-072981	VMI-56-E					EX	40	128	7.93	45°	C	3	
36204-20100	VMI-57-I	S6B	6		FORK	IN	48	180	10	60°			
36204-41101	VMI-57-E					EX	44	180	12	60°			
	VMI-58-I	4G64				IN	34	105.5	6.6	45°	C	7	
	VMI-58-E					EX	30.5	105.8	6.6	45°	C	7	
MD--143334 MD-175527 MD-165485	VMI-59-I	6G73				IN	33	107.3	6.6	45°	C	19	
MD-143335 MD-173932 MD-165486	VMI-59-E					EX	28	106.1	6.6	45°	C	19	
ME-203101	VMI-60-I	4M41T				IN	33	115.6	6.5	45°			
1011A351 ME-203102	VMI-60-E					EX	31	115.48	6.5	45°			
ME-270748	VMI-61-I					IN	40	141.5	8	45°	D	3	
ME-270749	VMI-61-E					EX	40	141.4	8	45°	D	3	
MR994497	VMI-62-I	4G69	4	GRUNDER LANCER SAVRIN ZINGER	SOHC 16V 2378C.C.	IN	34	111.5	6	45°			
MR994498	VMI-62-E					EX	30.5	113.5	6	45°			
MN163799 MD373888	VMI-63-I	6G75	6	PAJERO MONTERO	DOHC 16V 3796C.C.	IN	36.5	110.3	6	45°			
	VMI-63-E					EX	32	112.1	6	45°			
MN163286 MD373855	VMI-64-I	4G64-GDI	4	16V		IN	34	105.5	6.5	45°			
	VMI-64-E					EX	30.5	105.7	6.5	45°			

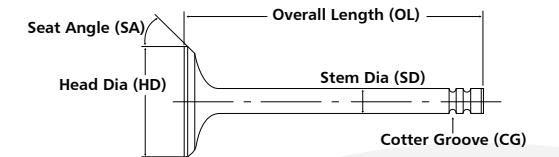


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PARTS NO.	E.P.NO.	ENGINE TYPE	CYL	VEHICLE		IN	DIMENSIONS						REMARKS
				NAME	MODEL		EX	HD	OL	SD	SA	HS	
13201-H1000 13201-18000 13201-H2300	VN-01-I	A10 A12	4	SUNNY 1000/1200 CHERRY 1000/1200 PULSAR 1200	B1Q20,C1Q/ 20E10 B11Q12Q121 /122 B21Q211/31Q311 F1Q11, C2Q21/122 N1Q11	IN	35	103.8	8	45°	C	2	
13202-H1000 13202-18000 13202-H2300 13202-H7400	VN-01-E				EX	29	103.8	8	45°	C	2		
13201-H6200	VN-02-I	A14	4	SUNNY 1400 CHERRY 1400 VIOLET 1400 LANGLEY 1400 PULSAR 1400	B11 N10/11 C120/122	IN	37	103.8	8	45°	C	2	
13202-H6200 13202-H8900	VN-02-E					EX	30	103.8	8	45°	C	2	
13201-H9500	VN-03-I	A15	4	SUNNY 1500 CHERRY 1500 DATSUN 1500 PULSAR 1500	U11,T11	IN	35	99.8	8	45°	C	2	
13202-H9500	VN-03-E					EX	30	99.8	8	45°	C	2	
13201-D0100	VN-04-I	CA16	4	BLUEBIRD 1600 STANZA 1600 AUSTER 1600	U11,T11, C31S12 M10Y30	IN	38	106.7	7	45°	C	3	
13202-D0100 13202-D1200	VN-04-E					EX	35	108	7	45°	C	3	
13201-D0200 13201-D1200	VN-05-I	CA18 CA20	4	BLUE BIRD 1800/2000 LAUREL 1800 AUSTER 1800 SILVIA 1800 STANZA 1800 PRAIRIE 1800 GLORIA 2000		IN	40	106.7	7	45°	C	3	
13202-D0100 13202-D1200 13202-D0200	VN-05-E					EX	35	108	7	45°	C	3	
13201-D2000 13201-D2200	VN-06-I	CA18 CA20	4	STANZA 2000		IN	41	106.7	7	45°	C	3	
13202-D0100 13202-D1200	VN-06-E					EX	35	108	7	45°	C	3	
13201-16A00 13201-16A01	VN-07-I	CD17	4	SENTRA 1700 PULSAR 1700 LANGLEY, LIBERTA PULSAR, SUNNY	B11,N12	IN	36	101	7	45°	C	3	
13202-16A00 13202-16A01 13202-D2800	VN-07-E					EX	31	101	7	45°	C	3	
13201-41M00 13201-01M00	VN-08-I	E10	4	SUNNY EB,EK,EW		IN	35	119.1	7	45°	C	2	
13202-41M00 13202-41M01 13202-41M01	VN-08-E					EX	29	118.6	7	45°	C	2	
13201-05-M00 13201-01M00	VN-09-I	E13 E15	4	SUNNY 1300/1500 PULSAR 1300/1500 LANGLEY 1500 PRAIRIE 1500	B11,N10/12 M10	IN	37	118.7	7	45°	C	2	
13202-05M00 13202-01M00	VN-09-E					EX	30	118	7	45°	C	2	

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				NAME	MODEL		HD	OL	SD	SA	HS	CG	
13201-15M00 13201-25M00	VN-10-I	E15 (EGI)	4	PULSAR 1500	N10/12	IN	37	119.6	7	60°	C	3	
13202-25M00 13202-53A00 13202-63A00 13202-15M00	VN-10-E					EX	31	120	7	45°	C	3	
13201-31M00 13201-69A00 13201-61A00	VN-11-I	E16	4	SENTRA 1600 PULSAR 1600	S11P, N11	IN	37	116.7	7	45°	C	2	
13202-31M00 13202-69A00 13202-61A00	VN-11-E					EX	30	116	7	45°	C	2	
13201-F1700 13201-F1800 13201-P0500 13201-66700 13201-78200	VN-12-I	H20 H30	4	SPEDRIC, GLORIA, CABALL, CABSTAR JUNIOR, FORK, HOMER 2000, PRESIDENT 3000	130/230/ 330/340 C240 PF20 41/40 E23,150/250 C80 FG006/007	IN	42	110.2	8.7	45°	C	2	
13202-78210 13202-P5100 13202-F1800 13202-78200 13202-P0500	VN-12-E					EX	32	110.2	8.7	45°	C	2	
13201-F1801 13201-78201 13201-P0501	VN-13-I	H20 H30	4	SPEDRIC, GLORIA, CABALL, CABSTAR JUNIOR, FORK, HOMER 2000, PRESIDENT 3000	130/230/ 330/340 C240 PF20 41/40 E23,150/250 C80 FG006/007	IN	42	110.2	8.9	45°	C	2	0.2 O/S
13202-P5101 13202-78201	VN-13-E					EX	32	110.27	8.9	45°	C	2	
13201-F1802 13201-78202	VN-14-I	H20 H30	4	SPEDRIC, GLORIA, CABALL, CABSTAR JUNIOR, FORK, HOMER 2000, PRESIDENT 3000	130/230/ 330/340 C240 PF20 41/40 E23,150/250 C80 FG006/007	IN	42	110.2	9.1	45°	C	2	0.4 O/S
13202-P5102 13202-78202 13202-P0502	VN-14-E					EX	32	110.2	9.1	45°	C	2	

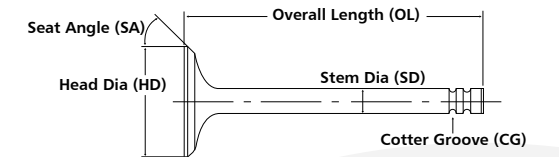


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PARTS NO.	E.P.NO.	ENGINE TYPE	CYL	VEHICLE		IN	DIMENSIONS						REMARKS
				NAME	MODEL		HD	OL	SD	SA	HS	CG	
13201-10601 13201-10610 13201-20600 13201-20690 13201-10600 13201-2061 13201-16700	VN-15-I	J13	4	BLUEBIRD, DATSUN TRUCK 1300	A321/521	IN	34.9	109.5	8.7	45°	C	5	
13202-B5900 13202-08000 13202-B5910 13202-20600 13202-16700 13202-B3900 13202-D9600						EX	30	108.7	8.7	45°	C	5	
13201-B5200 13201-73000 13201-01W00 13201-B5100	VN-16-I	J15 J16	4	DATSUN TRUCK CABSTAR 1500 CARAVAN HOMER 1500/1600	N521,PA321 VE20 VSE20 T20,TE20	IN	37.9	109.5	8.7	45°	C	5	
13202-01W00 13202-B2000 13202-B5000 13202-B3000 13202-B5100 13202-16700	VN-16-E					EX	32	109.5	8.7	45°	C	5	
13201-01W01 13201-01W03	VN-17-I	J15 J16	4	ATSUN TRUCK CABSTAR 1500 CARAVAN HOMER 1500	321/521/620 A320/321 E20 F20/01/02 720/ E20/23,F21	IN	38	109.5	8.7	45°	C	2	
13202-01W01 13202-01W03 13202-01W13	VN-17-E					EX	32	109.5	8.7	45°	C	2	
13201-A3500 13201-21000 13201-23002 13201-A3000 13201-A3510	VN-18-I	L13 L14 20A L24 L20	4 6	BLUEBIRD 1300/1400 SUNNY 1400 CREDIC GLORIA 2000 FAIRLAD, LAUREL 2400	510/710/711/ 130/230 330/430. S30/30 B110/210/211 C10/30/110/130/ 210/230/430	IN	38	117.2	8	45°	C	2	
13202-23001 13202-21002 13202-21003 13202-23002	VN-18-E					EX	33	117.5	8	45°	C	2	
13201-A1100 13201-N0400 13201-N0401 13201-N7000 13201-23003 13201-23000	VN-19-I	L16	4	BLUEBIRD 1600 SKYLINE 1600	510/610/ 710/810/910 A10/11 B211 C110/210	IN	42	116.5	8	45°	C	2	
13202-23001 13202-23002 13202-21002 13202-21023	VN-19-E					EX	33	117.5	8	45°	C	2	

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PARTS NO.	E.P.NO.	ENGINE TYPE	CYL	VEHICLE		IN	DIMENSIONS						REMARKS
				NAME	MODEL		HD	OL	SD	SA	HS	CG	
13201-N0400 13201-A1100 13201-N7000 13201-78500	VN-20-I	L18 L26 L20B	4 6 4	BLUEBIRD, LAUREL SKYLINE, SI VIA 1800 DATSUN PICK UP 2000 CEDRIC, GLORIA, LAUREL 2600 FAIRLADY 260Z	510/610/620/ 720/810/910 /180B/K/J C10/11/130/210 /230 R30, S30 E20	IN	42	116.5	8	45°	C	2	
13202-N0400 13202-N6800 13202-N6801 13202-N0401	VN-20-E					EX	35	117.5	8	45°	C	2	
13201-N4201 13201-N4200	VN-21-I	L28	6	CEDRIC, GLORIA LAUREL 2800 FAIRLADY 280Z	330/430, S130 C31/130/230 F30, PL330/430	IN	44	116.5	8	45°	C	2	
13202-N6800 13202-N0401 13202-N6801 13202-N0400	VN-21-E					EX	35	117.5	8	45°	C	2	
13201-P7900 13201-P7980	VN-22-I	L28	6	FAIRLADY 280Z		IN	44	114.2	8	45°	C	2	
13201-P7900 13202-P7901 13202-07L00	VN-22-E					EX	35	115.2	8	45°	C	2	
13201-V0700 13201-W3400	VN-23-I	LD20 LD28	4 6	BLUEBIRD, LAUREL HOMY VANETTE 2000 CEDRIC, GLORIA SKYLINE 2800	910,C31/20 /131/211 R30,E23, Y30 430	IN	39	117	8	45°	C	2	
13202-V0700 13202-V1701 13202-W0400 13202-W3400	VN-23-E					EX	32	117.4	8	45°	C	2	
13201-58000 13201-58001 13201-C8000 13201-C8001 13201-C8010 13201-58002 13201-A9200	VN-24-I	P40	6	PATROL	60	IN	43	131.5	8.7	45°	A	3	
13202-C0600 13202-C8000 13202-58000 13202-58002	VN-24-E					EX	36.2	131.5	8.7	45°	A	3	
13201-Y5200 13201-90005	VN-25-I	SD22 SD33	4 6	CEDRIC, CARVAN, CABALL HOMER JUNOR, CARAVAN DATSUN, TRUCK 2000 SAFARI, ATLAS	330/430/625/651 360/720 F20 E20/21/23 C80 C140/240 H40 160/161 TURBOD	IN	38	117	8	45°	A	7	
13202-Y5200 13202-C8700 13202-27002 13202-76200	VN-25-E					EX	.32	117	8	45°	A	7	

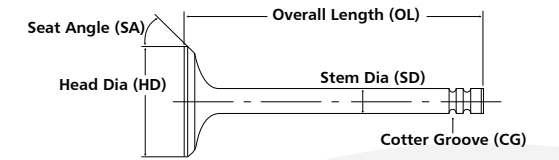


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PARTS NO.	E.P.NO.	ENGINE TYPE	CYL	VEHICLE		IN	DIMENSIONS						REMARKS
				NAME	MODEL		HD	OL	SD	SA	HS	CG	
13201-Y5201 13201-90006	VN26-I	SD22 SD33	4 6	CEDRIC, CARVAN, CABALL HOMER	33Q/43Q/652/651 63Q/720 F20 E2Q/21/23 C80 C1402/240 H40 16Q/161	IN	38	117	8.2	45°	A	7	0.2 O/S
13202-Y5201 13202-C8701 13202-76201	VN-26-E			JUNOR, CARAVAN DATSUN, TRUCK 2000 SAFARI, ATLAS		EX	32	117	8.2	45°	A	7	
13201-Y5202 13201-90007	VN-27-I			CEDRIC, CARVAN, CABALL HOMER		IN	38	117	8.4	45°	A	7	0.4 O/S
13202-Y5202 13202-C8702 13202-76202	VN-27-E	SD22 SD33	4 6g	JUNOR, CARAVAN DATSUN, TRUCK 2000 SAFARI, ATLAS	33Q/43Q/652/651 63Q/720 F20 E2Q/21/23 C80 C1402/240 H40 16Q/161	EX	32	117	8.4	45°	A	7	
13201-L2000	VN-28-I	SD23 SD25	4	HOMY, DATSUN, TRUCK ATLAS	720,E23, F22,H40	IN	40	117	8	45°	A	7	0.2 O/S
13202-L2000	VN-28-E	SD23 SD25	4	HOMY, DATSUN, TRUCK ATLAS		EX	34	117	8	45°	A	7	
13201-L2001	VN-29-I					IN	40	117	8.2	45°	A	7	
13202-L2001	VN-29-E	SD23 SD25	4	HOMY, DATSUN, TRUCK ATLAS		EX	34	117	8.2	45°	A	7	0.2 O/S
13201-90000 13201-90010	VN-30-I	UD3 UD4	3 4	DIESEL TRUCK, BUS	T.TC.TF.TV.TW U.DU UDG	IN	41	164	10	60°	A	2	
13202-90004 13202-90013	VN-30-E	UD5	5		UEG.UG	EX	35	142.6	8	60°	A	7	
13201-V5202 13201-5200	VN-31-I	VG30	6	FAIRLADY 300Z	720,E23,F22	IN	42	125.7	7	45°	C	3	
13202-V5210 13202-V6510 13202-42E00	VN-31-E			CEDRIC V30 GLORIA V30	H40 12V	EX	35	124.6	8	45°	C	3	
13201-W7000 13201-W0500	VN-32-I			SKYLINE, BLUEBIRD STANZA, AUSTER	720,811,910 C211,A111,F22	IN	38	126.5	8	45°	C	2	
13202-W0401 13202-27G00	VN-32-E	Z16	4	LIBERTA, ALTALS FIRE 1600		EX	38	127.5	8	45°	C	2	
13201-W0401 13201-Y8780	VN-33-I	Z18 Z20	4	BLUEBIRD, LAUREL, SILVIA, STANZA	72Q/811/910 C30/31/211/231	IN	42	126.5	8	45°	C	2	
13202-W0401 13202-Y8780	VN-33-E			AUSTER 1800 DATSUN TRUCK	A11	EX	38	127.5	8	45°	C	2	

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PARTS NO.	E.P.NO.	ENGINE TYPE	CYL	VEHICLE		IN	DIMENSIONS						REMARKS
				NAME	MODEL		HD	OL	SD	SA	HS	CG	
13201-N8500 13201-N8501	VN34-I	Z20 Z22 Z24	4	LAUREL, SKYLINE, SILVIA	S110,C31/ 12Q/211/ 121,R30,H40 E22/23/ 720,H40,W40	IN	42	124.3	8	45°	C	3	
13202-N8500	VN-34-E			CARRAVAN, HOMY 2000 CASTAR 2200 CASTAR 2400		EX	38	125.3	8	45°	C	3	
13201-T9000 13201-T2500 13201-Z5000	VN-35-I	ED6 ED33 FD33	6 4 6	CONDER, BISON BUS RM, NEW CONDOR	CM90 H40,H341 RM80,CK86	IN	47	129.5	9	60°	A	7	
13202-Z5000 13202-Z5001 13202-T9000	VN-35-E	FD6				EX	38	130	9	45°	A	7	
13201-J2001 13201-J2000	VN-36-I	ED30 BD30	4	CILIAN CABALL CLIPPER	C340/341 T40	IN	45	129.5	9	60°	A	7	
13202-J2001 13202-J2000	VN-36-E					EX	36	130	9	45°	C	7	
13201-95000 13201-95002	VN-37-I	ND6	6	TRUCK	CK10/15 DU780 UG780 UEG780	IN	50	143	10	45°	C	7	
13202-95001 13202-95000 13202-95002	VN-37-E					EX	41	143	10	45°	C	7	
13201-96000 13201-96005 13201-96025-7 13201-96002 13201-96009	VN-38-I	PE6(T) PD6 PA6	6	TRUCK	CD40/41/43 CK20/40 PT81 CW40,TK20	IN	57.5	157.5	12	45°	C	7	
13202-96000-2 13202-96007 13202-96025 13202-96027	VN-38-E					EX	47	158	12	45°	C	7	
13201-96125 13201-96126 13201-96028 13201-96006/7 13201-96003/4	VN-39-I	PD6(T) PA6 PE6(T)	6	TRUCK CD, CK,CV,C,PT, PTC,PTF,TK BUS UM	TF30 KK30/31 CK30/31 KW30 CV30/31	IN	57.5	158.5	12	60°	C	7	
13202-96002 13202-96001 13202-96007 13202-96027	VN-39-E					EX	47	158	12	45°	C	7	
13201-97000 13201-97002 13201-97005 13201-97007 13201-97008 13201-97009 13201-97026	VN-40-I	RE8 RD8 RD10(T) RE10	8 10	TRUCK CD, CK,CV,C,PT, PTC,PTF,TK BUS UM TRUCK CV, CZ,CW TW,BUS RA, DA,TRUCK,WD, WG,CW TRACTOR CD,CW	CV50/55/56 CW50/51/52 CZ50 DA50 RA50/51 TW50/51	IN	60	161	10	45°	C	7	
13202-97000 13202-97003 13202-97002 13202-97001 13202-97011 13202-97026 13202-97025 13202-97013 13202-97027	VN-40-E					EX	50	161	12	45°	A	7	

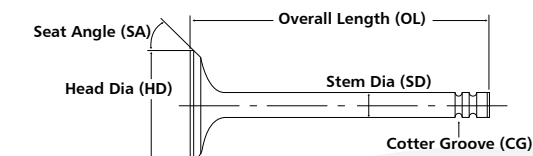


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PARTS NO.	E.P.NO.	ENGINE TYPE	CYL	VEHICLE		IN	DIMENSIONS						REMARKS
				NAME	MODEL		HD	OL	SD	SA	HS	CG	
13201-96008 13201-96009	VN-41-I	PE6T	6			IN	57.6	158.6	12	60°	A	3	
13202-96003 13202-96004	VN-41-E					EX	52	158	12	45°	A	3	
13201-97001 13202-97003	VN-42-I VN-42-E	RE8 RE10	8 10	TRUCK	CK66 CW 53/66	IN EX	60 50	161	10 12	60° 45°	A	3	
13201-97001 13202-97004 13202-97005	VN-43-I VN-43-E	RD8T	4			IN EX	60 50	161	10 12	60° 60°			
13201-44G00 13202-44G00 13202-87G01	VN-44-I VN-44-E					IN EX	41.5 37	117	8	45° 45°	A	7	
13201-10B00 13201-01B00	VN-45-I	MA10 MA12	4			IN	35	109.6	7	45°	C	2	
13202--10B00 13202-01B00 13202-27001 13202-27002	VN-45-E					EX	30	109.4	7	45°	C	3	
13201-70N00 13201-57Y00 13201-55Y00 13201-0M600	VN-46-I	B13 GA16E	4			IN	30	92.3	5.5	45°	C	7	
13202-57Y00 13202-53Y00 13202-73Y00 13202-55Y00 13202-0M600	VN-46-E					EX	24	92.5	5.5	45°	C	7	
13201-43G01/0/2 13201-43100/ G2403	VN-47-I	TD27 TD42	4	TURBO	PICK UP 2700 D21/W21/Y60	IN	43.5	117	8	45°	D	7	
13202-43G01/0/2 13202-31N01 13202-51N00/ G2403	VN-47-E					EX	38	117	8	45°	D	7	
13201-88A00 13202-88A00	VN-48-I VN-48-E	GA14/16	4	IN-8 EX-4	SUNNY 1400C.C. SENTRA 1600C.C.	IN EX	29.1 33	113.5 116.3	6 6.6	45° 45°	D	7	
13202-87A00	VN-48-E2				B13/14/N14	EX	32	116.2	6.6	45°	D	7	
13201-8400 13202-84A00/2	VN-49-I VN-49-E	GA16I	4	16V	SENTRA 1600 B13	IN EX	29 33	113.7 116.3	6 6.6	45° 45°	D	7	
13201-53J00 13202-53J01	VN-50-I VN-50-E	U-13 SR20 SR20DE	4		BLUE BIRD 2000C.C. PRIMELA	IN EX	34 30	101.4 102.3	6 7	45° 45°	C	7	
13201-53J00 13202-53J01	VN-51-I VN-51-E	KA24E				IN EX	34 40	121.3 122.3	7 8	45° 45°	C	7	
13201-40F00 13202-40F01/0	VN-52-I VN-52-E				ALMERA 2.0 TD PRIMERA 2.0 TD	IN EX	39.1 32.1	99.7	7	45° 45°	C	3	
13201-57J01/2/3 13202-57J00/2	VN-53-I VN-53-E	CD20 KA24	4			IN EX	39.1 32.1	100.6 100.5	7	45° 45°	C	3	
13202-40F11	VN-53-E					EX	32	98.1	7	45°	C	7	

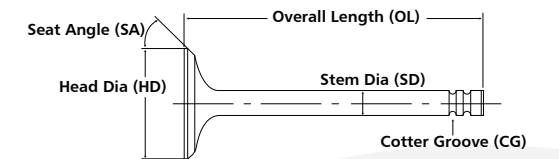
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PARTS NO.	E.P.NO.	ENGINE TYPE	CYL	VEHICLE		IN	DIMENSIONS						REMARKS
				NAME	MODEL		HD	OL	SD	SA	HS	CG	
13201-95005 13202-95003	VN-54-I VN-54-E	NE6			TRUCK 7400C.C. 86-	IN EX	52 43	143 143.5	10 10	45° 45°	D	7	FGM
13201-97008 13202-97014 13202-97016 13202-97009	VN-55-I VN-55-E	RF RF8 RG8	8		TRUCK	IN EX	60 52	161 161.5	10 12	45° 45°	D	7	
13201-Z5501 13201-Z5507 13202-Z5502 13202-Z5510	VN-56-I VN-56-E	FE6T/B FE FD35	6 4			IN EX	48.5 39.7	130.6 131	9 9	60° 45°	A	16	
13201-53Y00 13201-73Y00 13201-2M200	VN-57-I	B13/FG16 D GA14/ 15/16D	4	16V	SUNNY 1400C. C. SENTRA 1600C. C. B13/14/N14	IN	29	92.2	5.5	45°	C	7	
13201-57Y00 13201-55Y00 13201-70N00 13201-0M600	VN-57-I					IN	30	92.3	5.5	45°	C	7	
13202-53Y00 13202-57Y00 13202-55Y00	VN-57-E					EX	24	92.6	5.5	45°	C	7	
13201-02N00 13202-02N01	VN-58-I VN-58-E	TD23	4			IN EX	40 35	117.2 117	8	45° 45°	C	7	
13201-72Y00 13202-72Y00	VN-59-I VN-59-E	GA13DS GA13	4	16V	SENTRA 1300C.C.	IN EX	26.5 21.5	92.2 92.4	5.5 5.5	45° 45°	C	7	
13201-05E00 13202-05E00 13202-23E00 13202-23E10	VN-60-I VN-60-E	LD20-II	4			IN EX	39.2 32.2	118.2 118.2	8 8	45° 45°	D	2	
13201-95006 13202-95003	VN-61-I VN-61-E					IN EX	52 43	143.8 143.5	10 10	60° 45°	D	7	
13201-02N00 13202-87G01	VN-62-I VN-62-E	BD25	4			IN EX	40 37	117.2 117	8 8	45° 45°	C	7	
13201-31U01 13202-31U01	VN-63-I VN-63-E	VQ20	V6	24V	MAXIMA 2000C.C.	IN EX	29 24	104 101.5	6 6	45° 45°	C	7	
13201-2W201/0 13202-2W201/0	VN-64-I VN-64-E	ZD30	4	16V	URVAN 3000C.C.	IN EX	32 30	113.3 113.4	7 7	45° 45°	D	7	
13201-00QAA 13202-00QAA	VN-65-I VN-65-E	K4M	8		PLATINA 16V MEXICO KD	IN EX	32.7 28	109.3 107.5	5.5 5.5	45° 45°	C	7	
13201-1W400 13202-1W400	VN-66-I VN-66-E					IN EX	45.5 39	117	8	45° 45°	D	7	
13201-50K00 13202-50K00	VN-67-I VN-67-E	H15 H20II H25	4	FORKLIFT		IN EX	35.1 30.1	109.7 109.2	7 7	45° 45°	C	2	
13201-47U01 13201-38U00	VN-68-I	VQ30	V6	24V		IN	36	97.6	6	45°	C	7.1	
13202-47U02 13202-38U00	VN-68-E					EX	31.3	95.1	6	45°	C	7.1	
13201-03J00 13201-03J10 13202-03J00	VN-69-I VN-69-E	TB42	6		PATROL Y60 4200C.C.	IN EX	47 38	118.2 119	8 8	45° 45°	C	2	

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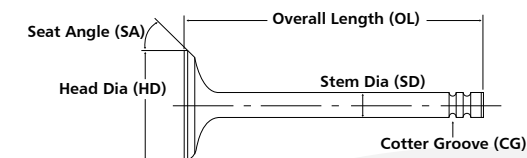
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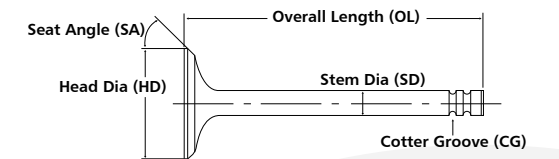
PARTS NO.	E.P.NO.	ENGINE TYPE	CYL	VEHICLE		IN	DIMENSIONS						REMARKS				
				NAME	MODEL		EX	HD	OL	SD	SA	HS		CG			
0948-30	VPG-01-I	204	4	PEUGEOT 204		IN	37	126.4	8	60°	C	7					
0949-28 0949-23	VPG-01-E					EX	29.5	125.5	8	45°	C	7					
0948-47	VPG-02-I	305	4	PEUGEOT 305		IN	40	109	8	45°	C	7					
0949-52	VPG-02-E					EX	33	108.2	8	45°	A	7					
0948-34 0948-30	VPG-03-I	404	4	PEUGEOT 404		IN	41.5	118.5	8	60°	C	7					
0949-21 0949-27	VPG-03-E					EX	35.5	112	8	45°	C	7					
0948-33 0948-29	VPG-04-I	504 STD	4	PEUGEOT 504	504 INYECCION 1.8L	IN	42.5	118.5	8	60°	C	7					
0949-27 0949-21	VPG-04-E					EX	35.5	112	8	45°	C	7					
0948-55	VPG-05-I	505	4	PEUGEOT 505	505 INYECCION 2.0L	IN	42.6	118.6	8	60°	C	7					
0949-55 0949-56 0949-69	VPG-05-E					EX	35.6	112.1	8	45°	C	7					
0948-27 0948-41	VPG-06-I					404D	4	PEUGEOT 404(D)		IN	40.4	116.2		8.5	45°	C	7
0949-25 0949-39	VPG-06-E	EX	33.5	116.2	8.5					45°	A	7					
0948-27 0948-41	VPG-07-I	504D	4	PEUGEOT504(D)		IN	40.4	116.2	8.5	45°	C	7					
0949-25 0949-39	VPG-07-E					EX	33.5	116.2	8.5	45°	A	7					
0948-37	VPG-08-I	505D	4	PEUGEOT505(D)		IN	40.4	116.3	8.5	45°	A	7					
0949-25 0949-39	VPG-08-E					EX	33.5	116.2	8.5	45°	A	7					
0948-59 0948-63	VPG-09-I	205D	4	DIESEL		IN	38.5	112.4	8	45°	A	7					
0949-60 0949-47 0949-64 0949-73 0949-74 9751669380	VPG-09-E					EX	33	112	8	45°	A	7					
0948-58 0948-91	VPG-10-I					206	4	309/306/405		IN	36.7	112.8		7	30°	A	7
0949-59	VPG-10-E									EX	29.2	112.6		7	45°	A	7
0948-54	VPG-11-I					309 405/305	4	ENG.XU9-JI-2C 1905C.C.	305 GTX 309GTI 205/305/405 GE DL/GR/SR	IN	39.5	105.2		8	45°	A	7
0949-54	VPG-11-E	EX	33	105.2	8					45°	A	7					
0948-56	VPG-12-I		4	XU7JPK 1800C.C.	GE/GL/GR/SR	IN	41.6	108.9	8	45°	A	7					
0949-57	VPG-12-E					EX	34.5	108.4	8	45°	A	7					
0948-99	VPG-13-I		4	16V	CITROEN 1.8/2.0 206GTI	IN	33.3	106.1	6	45°	D	11					
0949-99	VPG-13-E					EX	28.9	103.6	6	45°	A	11					
0948-86 0948-92	VPG-14-I		4		306RALLYE 306 2.0 16V 106 1.8 16V COUPE 2.0 16V	IN	34.6	106.3	6	45°	A	7					
0949-92	VPG-14-E					EX	29.6	105.7	6	45°	A	7					

**PEUGEOT**[illegible]

Technical drawing of a cotter pin showing dimensions: Seat Angle (SA), Overall Length (OL), Head Dia (HD), Stem Dia (SD), and Cotter Groove (CG).

PARTS NO.	E.P.NO.	ENGINE TYPE	CYL	VEHICLE		IN	DIMENSIONS						REMARKS
				NAME	MODEL		EX	HD	OL	SD	SA	HS	
	VR-01-I		4	R4		IN	28.2	73	7	60°	D	7	
	VR-01-E					EX	25	73.7	7	45°	D	8	
	VR-02-I			6L R4L		IN	28.2	73.2	7	45°	D	3	
	VR-02-E					EX	25	73.7	7	45°	D	8	
7701458186 7701458180	VR-03-I		4	R5,R12 R5GTS	RENAULT 1100/1300	IN	33.3	89.8	7	60°	C	7	
7701459190 7700560792 7701460256	VR-03-E					EX	30.3	89.2	7	45°	C	8	
7700561318	VR-04-I	688		4S		IN	33.3	89.8	7	60°	C	3	
7700505115	VR-04-E					EX	30.1	89.2	7	45°	C	8	
7700639627 7701462385 7701462137	VR-05-I			18TL C3G	TWINGO 1.2	IN	34	91.5	7	60°	C	7	
7700638247	VR-05-E					EX	29	89	7	45°	C	8	
7700629763 7701460624	VR-06-I			18STS R18		IN	36	105	8	45°	C	7	
7700639199 7701460625	VR-06-E					EX	31.5	103.7	8	45°	C	11	
7701463081 7700713788	VR-07-I			R21		IN	38.1	111.6	8	45°	A	7	
7701463510	VR-07-E					EX	32.5	111.4	8	45°	C	7	
7700112413 7700112412 7701468960	VR-08-I	F3P-670 F3R- 728/729	4		LANGUNA 1.8 8V 2.0	IN	40	115.6	8	45°	A	7	
7701468961	VR-08-E					EX	32.6	115.3	8	45°	A	7	
	VR-09-I	F4R,R21,R4, 4S,18TL,R5			RENAULT 19 CLIO 1.8 16V	IN	33.4	110	5.5	45°	C	7	
	VR-09-E						EX	29	108.9	5.5	45°	C	
7438610007	VR-10-I	N7Q				IN	31	104.4	7	45°	C	11	
7438610008	VR-10-E					EX	27	103.3	7	45°	C	11	
7701471378 7701472124	VR-11-I	K4J				IN	32.7	109.5	5.5	45°	D	7	
7701471354 7701471379 7701473354 7701473355	VR-11-E						EX	28	107.7	5.5	45°	C	
7701493184	VR-12-I	K9K				IN	33.4	101	6	45°	C	11	
7701473183	VR-12-E					EX	29	100.7	6	45°	D	11	
	VR-13-I	D4F				IN	26	110.8	5.5	45°	D	11	
	VR-13-E					EX	22.1	112.5	5.5	45°	C	11	
3464	VR-14-I				CLIO MEGANE 2.0	IN	33.6	110.3	5.5	45°			
3865	VR-14-E					EX	29	109.3	5.5	45°			
7701469266	VR-15-I	D7F, K7M	4			IN	32.9	106.9	6	60°	A	7	
7701469269	VR-15-E					EX	29.9	106.8	6	45°	A	7	
7701465088 7700273371	VR-16-I	D7F, K7M	4			IN	37.9	107.7	7	60°	A	7	
7701468419 7701465090 7700865934 7700865832	VR-16-E					EX	33.6	107.6	7	45°	A	7	

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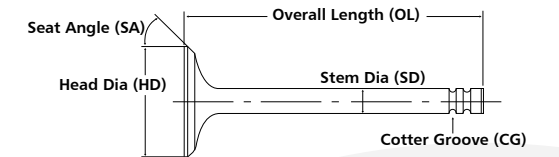


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PARTS NO.	E.P.NO.	ENGINE TYPE	CYL	VEHICLE		IN	DIMENSIONS						REMARKS
				NAME	MODEL		HD	OL	SD	SA	HS	CG	
12911-24400 12911-04B00	VSU-01-I	GS125 GS185 GN125	4		ALT-185 LT-185	IN	30	90.5	5.5	45°	C	7	
13912-24400 12912-04B00	VSU-01-E					EX	26	89.4	5.5	45°	C	7	
12911-73000 12911-73010 12911-73011 12911-73012 12911-84000 12911-84010 12911-78101 12911-78010 12911-73001 12911-73002	VSU-02-I	F5A F8A LJ50 ST100 ST90	3 3 4 3	FRONTE,ALTO CARRY,CERVO	SS40/41/81 S120 ST40/41/80/90 /308 SJ20/30/401 LJ80/81 SS80	IN	31.6	110	7	45°	C	7	
12915-73000 12915-73011 12915-73012 12915-84000 12915-84010 12915-78101 12915-78010 12915-73001 12915-73002 12915-73010	VSU-02-E					EX	27.6	109.5	7	45°	A	7	
12911-84010 12911-82000 12911-82010	VSU-03-I	G10 F10A G13 A/B	3 4 4	JIMNY CULTUS SIFT 1000C.C.	SJ410 AA41 SJ413	IN	36	115.6	7	45°	C	7	
12915-82000 12915-82010 12915-82050 12915-82062	VSU-03-E					EX	30	114.6	7	45°	D	7	
12911-05211 12915-05211	VSU-04-I VSU-04-E	GS125	4		ALT-125E LT-125	IN	30	90.5	5.5	45°	C	7	
						EX	26	89.5	5.5	45°	C	7	
12911-18A00 12912-18A00	VSU-05-I VSU-05-E	GN250			LT-230 LT250 OFF/85	IN	32	88.8	5.5	45°	C	7	
						EX	28	87.8	5.5	45°	C	7	
12911-38200 12912-38200	VSU-06-I VSU-06-E					IN	26	97.7	5.5	45°	C	7	
12911-81400 12911-61C00 12915-81400	VSU-07-I VSU-07-E	F6AG F6A	3			IN	25.6	92.6	5	45°	A	7	
						EX	22.4	80.8	5	45°	A	7	
12911-70B00 12911-70B30 12915-70B00	VSU-08-I VSU-08-E	F6A F5B	3			IN	31.6	110.6	5.5	45°	C	7	
						EX	27.6	110	5.5	45°	A	7	
12911-09401 12912-09401	VSU-09-I VSU-09-E	FB50				IN	20	71	5	45°	C	7	
						EX	17	71	5	45°	C	7	
12911-02400 12912-02400	VSU-10-I VSU-10-E	FD80				IN	24	69.4	5	45°		7	
						EX	19	71.4	5	45°	C	7	

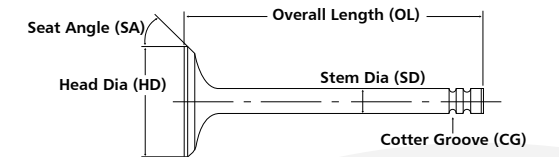


SUZUKI

PARTS NO.	E.P.NO.	ENGINE TYPE	CYL	VEHICLE		IN	DIMENSIONS						REMARKS			
				NAME	MODEL		EX	HD	OL	SD	SA	HS		CG		
	VSU-11-I	FB90				IN	24	68.7	5	45°	C	7				
						IN	24	68.7	5	45°	C	7				
	VSU-11-E					EX	19	68.7	5	45°	C	7				
						EX	21	66.8	5	45°	C	7				
12911-60A10 96057952	VSU-12-I	G16A	4	16V	ESCUDO 1600C. C. VITARA SE416	IN	36.6	115.6	7	45°	C	7				
12915-60A50	VSU-12-E					EX	32.5	114.6	7	45°	C	7				
12915-60A00 96057953																
96067994																
12911-80B00	VSU-13-I	F5B NEW	4			IN	23.1	110.3	5.5	45°	C	7				
12915-80B00	VSU-13-E					EX	29.5	119.4	7	45°	C	7				
12911-30D00 12911-09G00	VSU-14-I	SHOGUND		FD110 VIVA FD115 VIVA VIVAS 110		IN	25	67.2	5	45°	C	7				
12912-30D00 12912-20G00	VSU-14-E					EX	22	66.7	5	45°	C	7				
12911-71C00	VSU-15-I	G16A GA16A	4	16V	VITRA 1600C.C. SF416	IN	29.2	92.2	5.5	45°	C	7				
12915-71C50 12915-71000	VSU-15-E					EX	25	80	5.5	45°	D	7				
12911-86511 12911-86500	VSU-16-I	G13A	4	16V	SWIFT 1300C.C. AA33/AB33	IN	29	105.2	5.5	45°	D	7				
12915-86510 12915-86500 12915-86561	VSU-16-E					EX	24.1	104.6	5.5	45°	D	7				
12911-86FA0	VSU-17-I	J20A	4	H25 V6	GRAN 24V VITAR2.0 16V	IN	33	86.2	6	45°	C	7				
12915-86F50	VSU-17-E	J18				EX	28	86	6	45°	C	7				
12911-23F60 12911-23F00	VSU-18-I					IN	25	80	5	45°	C	7				
12915-23F60 12915-23F00	VSU-18-E					EX	22	79.6	5	45°	C	7				
12911-14D01 12911-14D10	VSU-19-I			SKY WAVE250 DR350		IN	30.5	93	5	45°	C	7				
12912-14D01 12912-14D10	VSU-19-E					EX	27	92.6	5	45°	C	7				
12911-15D01	VSU-20-I			SKY WAVE250 DR350		IN	28.3	94.9	5	45°	C	7				
12912-15D01	VSU-20-E					EX	25	94.6	5	45°	C	7				
12911-28G20-000	VSU-21-I					IN	25	72.9	5	45°	C	7				
12912-33G10-000	VSU-21-E					EX	25	72.8	5	45°	C	7				
	VSU-22-I	GZ125				IN	27	81	5	45°	C	7				
	VSU-22-E					EX	22.9	80	5	45°	C	7				
12911-83G01	VSU-23-I	K6A ALTO 2001				IN	25.6	92.2	5.5	45°	A	7				
12915-73G20	VSU-23-E					EX	22.4	80.6	5.5	45°	A	7				
12911-B09G20N	VSU-24-I				SMASH	IN										
12915-B09G20N	VSU-24-E					EX										
12911-20E00	VSU-25-I	AN125				IN	25.5	81	5	45°	C	7				
12912-20E00	VSU-25-E					EX	22.4	80.4	5	45°	C	7				
12911-85FA0	VSU-26-I	G16	4	16V	SIDELICK 1600C.C.	IN	30	86.2	6	45°	C	7				
12915-85F50	VSU-26-E	H20				EX	25	86	6	45°	D	7				

TOYOTA

PARTS NO.	E.P.NO.	ENGINE TYPE	CYL	VEHICLE		IN	DIMENSIONS						REMARKS
				NAME	MODEL		HD	OL	SD	SA	HS	CG	
13711-15010 13711-15030	VT-01-I	2A 3A 4A	4	CARINA, 1500/1600(G) CELICA 1600 FERCEL 1300/1500 CORSA 1300/1500 COROLLA 1300/1500/1600 SPRINTER 1500/1600	AA60/63 AE71/72 AE80/81/82/83 /85/86 AT140. 150 AL10/11/12 /15/21/22	IN	36	107	7	45°	A	3	
13715-15010	VT-01-E					EX	31	107	7	45°	A	3	
13711-56010	VT-02-I	B	4	LANDCRUISER(D) COASTER TOYOACE DYNA	BJ70/43 BK30 BY31 BU10/12/15/19 /20/22/30/35	IN	45	128.1	9	45°	A	3	
13715-56010	VT-02-E					EX	37.5	127.9	9	45°	A	3	
13711-56030 13711-56031 13711-56020 13711-56040	VT-03-I	2B	4	LANDCRUISER(D) COASTER TOYOACE DYNA	BJ 40/41/43/44/60 BU 10/12/15/19/20 /22/30/31/35/36 BK30	IN	45	128	9	45°	A	7	
13715-56030 13715-56031 13715-56020 13715-56040	VT-03-E					EX	37.5	127.9	9	45°	A	7	
13711-58010	VT-04-I	3B	4	LANDCRUISER(D) COASTER TOYOACE DYNA	BJ 40/60 BU23 BB20/31	IN	46	128.3	9	45°	D	7	
13715-58010 13715-58011	VT-04-E					EX	41	127.8	9	45°	D	7	
13711-64010	VT-05-I	1C 2C 2C-T	4	CAMRY 1800VISTA 1800(D) COROLLA 1800CORONA 1800TOWNACE 1800/2000 SPRINTER 1800	CV10,SV12 CA67,CM25 CE70/71/80/81/82 CT 140/147, CR21/26	IN	38.5	106.5	8	45°	D	7	
13715-64010 13715-64020 13715-64021	VT-05-E					EX	32.5	106.5	8	45°	D	7	
13711-76011 13711-76010 13711-76012 13711-76013	VT-06-I	D 2D	6	TRUCK DA/DC BUS DB/DR FORK LIFT,TRACTOR(D) SHOVEL ROADER	DR10/11/15/115 DC80 DA80/90/95 /100/110/115/116 DB90/92/95 /100/102/105 FD60/100 SDT 35 SD2300/2500	IN	47	161.5	10	45°	A		
13715-76011 13715-76012 13715-73013 13715-76014	VT-06-E					EX	43	161.5	10	45°	A		
13711-77010	VT-07-I	2D	6	TRUCK DA/DC BUS DB/DR FORK LIFT,TRACTOR(D) SHOVEL ROADER	DB90/92/95 /100/102/105 DR 10/11/15 DA90/92/95 /100/102/105	IN	47	158.6	10	45°	A	3	
13715-77010	VT-07-E					EX	43	158.6	10	45°	A	3	

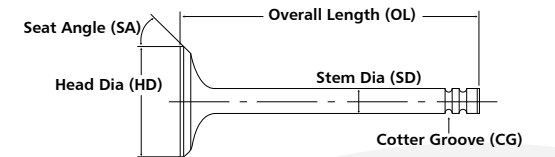


TOYOTA

PARTS NO.	E.P.NO.	ENGINE TYPE	CYL	VEHICLE		IN	DIMENSIONS						REMARKS
				NAME	MODEL		HD	OL	SD	SA	HS	CG	
13711-10020	VT-08-I	1E 2E	4	COROLLA TRUNO	EE80	IN	30	92.3	6	45°	C	7	
13715-10010	VT-08-I			STARLET	EP7	IN	21	98.6	6	45°	A	7	
13715-10030	VT-08-E			AE80 12V	12PCS/SET	EX	30	92.5	6	45°	A	7	
13711-30020	VT-09-I	F FA	6	BUS, LANDCRUISER, TURCK MASSY,DYNA, TRACTORFORK	FS45,FB100 FJ40 FJ40/43/45 /55/56/60 FA100/110/115 FC10/22 100FT35 TT3500	IN	46	125	8	45°	C	3	
13715-60031 13715-60030	VT-09-E			LIFT(G)		EX	37.5	125	8	45°	C	3	
13711-60021 13711-61010 13711-61030	VT-10-I	2F	6	LANDCRUISER(G) TRUCK		IN	46	125	8	45°	C	11	
13715-60032 13715-61010 13715-61030	VT-10-E					EX	37.5	125	8	45°	C	11	
13711-61020 13711-61010 13711-60021	VT-11-I	2F 3F 4F	6	LANDCRUISER(G)	EJ7140	IN	46	125	8	45°	C	11	
13715-61030	VT-11-EI					EX	37.5	125	8	45°	C	11	
13715-61020 13715-61040	VT-11-E					EX	37.5	127.9	8	45°	C	3	
13711-70010 13711-70020	VT-12-I	1G	6	CELICA 2000(G) CROWN 2000 SOARER 2000 MARK II 2000 CHASER 2000 CRESTA 2000	GA61 GZ10 GS110/111/126 GS50/60/61	IN	36	109.5	7	45°	C	3	
13715-70010 13715-70020	VT-12-E					EX	31	109.5	7	45°	D	3	
13711-68010	VT-13-I			DYNA, COASTER(D) RORK, TRACTOR COASTER, TOOYOACE SHOVER	HU 15/30 FD35 HJ60 HB30	IN	42	120.8	9	45°	D	7	
13715-68010	VT-13-E	H 2H	6			EX	35	120.8	9	45°	D	7	
13711-46010-3	VT-14-I	J 2J	4	TOYOACE(D) DYNA COASTER	JK170/171 TD17 JY16 JU10/12/15/18 SDK8 SD7 FD28	IN	40.5	120.5	9	45°	A	3	
13715-46011 13715-46010 13715-46012 13715-46013	VT-14-E					EX	33.5	120.5	9	45°	A	3	
13711-48010	VT-15-I					IN	40.5	120.8	9	45°	D	7	
13715-48010	VT-15-E					EX	33.5	120.8	9	45°	D	7	

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PARTS NO.	E.P.NO.	ENGINE TYPE	CYL	VEHICLE		IN	DIMENSIONS						REMARKS
				NAME	MODEL		HD	OL	SD	SA	HS	CG	
13711-22011	VT-16-I	K	4	STARLET 1000/1200(G) PULICA 1000/1200 LITEACE TOWNACE COROLLA 1200 HILUX SPRINTER 1200	KE15,16	IN	34	100	8	45°	C	3	
13715-22011	VT-16-E					EX	28	100	8	45°	C	3	
13711-24010 13711-24021 13711-24020	VT-17-I	2K 3K	4	COROLLA 1200/1300(G) SPRINTER 1200/1300 STARLET 1200/1300 CARIAN 1500 LITEACE PUBLICA 1200 TOWNACE HILUX	KP10/30/31/36 /37/38/40 KE11/17/18/20 /25/26/30 KE36/40/45/60 KM10 KP42/45/47/50 /51/62	IN	36	100	8	45°	C	10	
13715-24010 13715-24011 13715-24020 13715-24021	VT-17-E					EX	29	100	8	45°	C	10	
13711-24011 13711-24012	VT-18-I	KF40 3K 4K 5K	4	COROLLA 1200/1300(G) SPRINTER 1200/1300 STARLET 1200/1300 CARIAN 1500 LITEACE PUBLICA 1200 TOWNACE HILUX	KE11/17/18/20 /25/26/30/36/40 /45/50/55/56/60 /65/70/71/72/73 KM10/11/20/21 KA67 KP10/31/36/37 /38/42/47/50/51 /61/62	IN	36	100	8	45°	C	3	
13715-24012 13715-24013 13715-24030 13715-24031	VT-18-E					EX	29	100	8	45°	D	3	
13711-54010	VT-19-I	L 2L	4	CROWN 2200/2400 MARK II 2200/2400 HILUX CHASER 2200/2400 HIACE,BIRZZARD CRESTA 2200 CRESSIDA 2200 TOYOACE	LS10/110/111 /117/120/126 LN40/44/46/50 /55/65 LX40/60/67 LD10 LX65 LT20 LY20/30 LH20/24/30/40 /50/60/70 RY20	IN	42.5	123	8.5	45°	C	11	
13715-54010 13715-54030 13715-54020	VT-19-E					EX	35	123	8.5	45°	C	11	
13715-45010 13711-45020 13711-41020	VT-20-I	4M	6	CROWN 2600 CELICA 2600 MARK II 2600 SUPRA	MS65/75/80/83/95 101 MS 103/105/106 MX23/29/33/43 MA46	IN	38	116.2	8	45°	C	3	
13715-45010 13715-45020	VT-20-E					EX	33	113.2	8	45°	C	3	

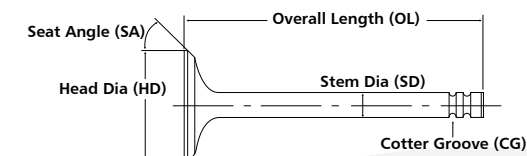


TOYOTA

PARTS NO.	E.P.NO.	ENGINE TYPE	CYL	VEHICLE		IN	DIMENSIONS						REMARKS
				NAME	MODEL		EX	HD	OL	SD	SA	HS	
13711-43030	VT-21-I	5M	6	CROWN 2800 SOARER 2800 CELICA 2800 MARK II 2800 SUPRA	MS112/123 MZ11 MA 62/63 MA 56/61/37	IN	44	107.5	8	45°	C	3	
13711-43010	VT-21-II					IN	42	116.4	8	45°	C	3	
13715-43010	VT-21-E					EX	36	109.7	8	45°	C	3	
13711-42020	VT-22-I	7M	6	SUPRA	MA70 3000C.C.	IN	32	98	6	45°	C	7	
13715-42010	VT-22-E					EX	27.4	98.3	6	45°	D	7	
13711-23011	VT-23-I	3P	4	CORONA 1300 TOYOACE, HIACE TRACTOR, SHOVER FORK LIFT	PT47/86 PK32 PY10 FG7/10 PH10/20/30/40 SG7	IN	36	103.8	8	45°	C	15	
13715-23011	VT-23-E					EX	29.7	103.8	8	45°	A	15	
13715-23020													
13711-23021	VT-24-I	4P	4		SGK6 FG10,20 FG25	IN	38	103.5	8	45°	C	3	
13715-23021	VT-24-E					EX	29.7	103.5	8	45°	C	3	
13711-31010	VT-25-I	2R	4	CORONA 1500 MARK II 1500 HIACE TOYOACE, STOUT,HILUX	RT 40/46/50/56 66/80/86/90 RH10/15/16/30 PK41/43 RN10/15	IN	40	116	8	45°	C	15	
13715-31010	VT-25-E					EX	32	116	8	45°	A	15	
13711-31011	VT-26-I	2R	4	CORONA 1500 MARK II 1500 HIACE TOYOACE, STOUT,HILUX	RT 40/46/50/56 66/80/86/90 RH10/15/16/30 PK41/43 RN10/15	IN	40	115.8	8	45°	C	3	
13715-31011	VT-26-E					EX	32	115.8	88	45°	C	3	
13711-31012	VT-27-I	2R	4	CORONA 1500 MARK II 1500 HIACE TOYOACE, STOUT,HILUX	RT 40/46/50/56 66/80/86/90 RH10/15/16/30 PK41/43 RN10/15	IN	39	116	8	45°	C	10	
13715-31012	VT-27-E					EX	33	116	8	45°	A	10	
13711-40020	VT-28-I	3R	4	CROWN DYNA STOUT	RS40/41 RT62/72	IN	42	124.8	9	45°	C	10	
13711-40010													
13711-40030													
13715-40021	VT-28-E					EX	35	125	9	45°	A	10	
13715-40010													
13715-40030													
13711-44010	VT-29-I	5R	4	CROWN DYNA TOYOACE HILUX		IN	43	109.5	8.5	45°	C	10	
13715-44010	VT-29-E					EX	37	109.5	8.5	45°	A	10	
13715-44020													
13715-44011													
13711-44012	VT-30-I	5R	4	CROWN DYNA TOYOACE HILUX		IN	43	109.5	8.5	45°	C	8	
13715-44021	VT-30-E					EX	37	110	8.5	45°	A	8	
13715-44012													

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PARTS NO.	E.P.NO.	ENGINE TYPE	CYL	VEHICLE		IN	DIMENSIONS						REMARKS					
				NAME	MODEL	EX	HD	OL	SD	SA	HS	CG						
13711-44013	VT-31-I	5R	4	CROWN 2000 COASTER HILUX DYNA ROUTE TOYOACE, STOUT TRACTER	R55/56/60/66 /100/105/110 RU 10/12/15/18 /19/20/30 RK101/110 /111/170/171 RY16/31 TG17	IN	43	109.5	8.5	45°	C	7						
13715-44022	VT-31-E					EX	37	110.2	8.5	45°	C	7						
13711-33010	VT32-I	6R 7R 8R	4	MARK II 1600/1700/1900 CORONA 1700/1900	RT60/61/62/67/6 8/70/71/75/75/7 6/77/78/84/87/8 8/90/93 84RX 10/16 RA20 RN21	IN	43	114.2	8	45°	C	3						
13715-33010 13715-33011 13715-33030	VT-32-E					EX	34	114.2	8	45°	A	3						
13711-31030	VT-33-I	12R	4	CORONA 1600 MARK II 1600 HIACE,HILUX		IN	40	109	8	45°	C	10						
13711-31040	VT-33-E					EX	34	109	8	45°	A	10						
13715-31030 13715-31040 13715-31050	VT-33-E																	
13711-31050	VT-34-I	12R	4	CORONA 1600 MARK II 1600 TOYOACE TOWNACE, HILUX	RH11/13/16 /20/24 RY10/12/14 PR10/11/20/21 RN13/16/20/25 /30/33/35/40/43 RT40/51/55/66 /68/81/87	IN	40	109	8	45°	C	7						
13715-31070	VT-34-E					EX	34	109	8	45°	A	7						
13711-36020	VT-35-I	16R 18R	4	MARK II 1800 CORONA 1800 CARNIA 1800 HIACE	RA10/16 RX11/17/21 /27/37 RT102/108/112 RH31/40/41	IN	43	113.2	8	45°	C	3						
13715-34010 13715-34013 13715-34022	VT-35-E					EX	36	113.2	8	45°	A	3						
13711-34030 13711-34031 13711-34010 13711-34011 13711-34012	VT-36-I	18R	4	CELICA 2000 MARK II 2000 CHASER 2000 CORONA 2000 CAMRY 2000 CARNIA 2000 HIACE HILUX CRESSIDA 2000	RA11/14/15/17 /21/23/25/28/31 /35/40/45/55/63 RX12/15/22/28 /30/31/35/63 RT95/104/114 /118/122/123 /132 RH22/35/45 RN22/27	IN	41	113.2	8	45°	C	3						
13715-34010 13715-34012 13715-34032 13715-34013 13715-34031 13715-34030 13715-34022 13715-34033	VT-36-E					EX	36	113.2	8	45°	A	3						
13711-88210	VT-37-I					18G	4	CELICA 2000 CORONA, MARK II 2000	RA23/28/40 RX30/31/63	IN	45	106.8		8.5	45°	C	3	
13711-88222	VT-37-II					2TG				IN	44.5	106.2		8.5	45°	C	3	
13715-88222	VT-37-E					3TG				EX	38.5	105.6		8.5	45°	A	3	
13711-38010 13711-38020 13711-37010	VT-38-I					20R	4	COASTER CHNOOK	RB11/12 RN24/28/32 /37/42/47 RZ22/24/29/42 RY105/115 /119/134	IN	43	115.5		8	45°	C	3	
13715-38010 13715-38011 13715-38020	VT-38-E	EX	36	114	8					45°	C	3						

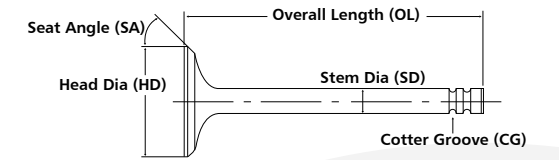


TOYOTA

PARTS NO.	E.P.NO.	ENGINE TYPE	CYL	VEHICLE		IN	DIMENSIONS						REMARKS
				NAME	MODEL		HD	OL	SD	SA	HS	CG	
13711-38010	VT-39-I	21R	4	MARK II 2000 CELICA 2000 CHASER 2000 CORONA 2000 CAMRY 2000, CARINA 2000 HIACE 2000 CRESSIDA 2000	RA45/46/56 MX40/41/60 RT 23/33	IN	43	115.5	8	45°	C	3	
13715-38050	VT-39-E					EX	36	113.4	8	45°	C	3	
13715-37020	VT-39-E2					EX	36	114	8	45°	C	6	
13711-35050 13711-35051 13711-35010 13711-35030 13711-35031 13711-35040	VT-40-I	21R 22R	4	CRESSIDA 2000		IN	45	114.1	8	45°	C	7	
13715-35040 13715-35010 13715-35030	VT-40-E					EX	37	113	8	45°	C	3	
13715-35020	VT-40-E2					EX	37	112.7	8	45°	C	7	
13711-63010	VT-41-I	1S	4	CAMRY 1800/2000 VISTA 1800/2000 CELICA 1800 CHASER 1800 CRESTA 1800 CORONA 1800	SA 60, SX60 SV10/11/12/16 ST 140/150	IN	40	109.8	8	45°	C	6	
143715-63010	VT-41-E					EX	34	109.4	8	45°	C	6	
13711-74020 13711-74040	VT42-I	3S 3S-FE	4	CELICA	16V	IN	32	100.5	6	45°	C	7	
13715-74020 13715-74050 13715-74060	VT-42-E					EX	27	100.5	6	45°	D	7	
13711-25010	VT-43-I	T 2T	4	CELICA1400 COROLLA 1400 SPRINTER 1400 CARINA 1400	TA10/15/16/20 TE 20/25/30/35 /36/40/45/50/60	IN	41	109.2	8	45°	C	10	
13715-25010	VT-43-E					EX	36	109.2	8	45°	C	10	
13711-25011	VT-44-I	2T 3T 12T 13T	4	CAMRY, MARK II CARINA, SPRINTER CELICA, CHASER TORUENO, LITEACE, COROLLA, TOWNACE, CORONA, CRESTA	TA12/14/17/18/1 9/22/27/30/31/3 5/40/41/42/45/4 9/67/71 TR10/11 T1 100/106/110 /120/125/130 /138/147 TE21/27/31/34 /37/47/51/52/55 /56/61/62/65/66 /71/73/75	IN	41	109	8	45°	C	3	
13715-25011	VT-44-E					EX	36	109	8	45°	C	3	
13711-71010 13711-71020	VT-45-I	1Y 2Y	4	TOWNACE MASTERACE LITEACE HIACE	YR 20/21/22/26 YM21/25 YH51/61/71	IN	40	108.3	8	45°	C	7	
13715-71010 13715-71020	VT-45-E	3Y 4Y				EX	36	108.5	8	45°	C	7	
13711-16010	VT-46-I	4A	4	COROLLA SPRINTER	16V	IN	30.5	99.6	6	45°	C	7	
13715-16010	VT-46-E	4AG				EX	25.6	99.7	6	45°	A	7	
13711-78010	VT-47-I	1W	4	DYNA WIDE	WV 26	IN	45.4	123.2	9	60°	D	7	
13715-78010	VT-47-E	PS125				EX	39.9	123	9	45°	D	7	

TOYOTA

PARTS NO.	E.P.NO.	ENGINE TYPE	CYL	VEHICLE		IN	DIMENSIONS						REMARK				
				NAME	MODEL		EX	HD	OL	SD	SA	HS		CG			
13711-15071 13711-15050 13711-15060 13711-15081 94847343	VT-48-I	4AF/5A	4	16V	COROLLA 1600C.C. AE92/95/101	IN	30	91.5	6	45°	D	7					
13715-15050 13715-15030 13715-15040 13715-15060 94847344	VT-48-E					EX	24.5	92	6	45°	D	7					
13711-16060	VT-49-I					4AFE 7AFE	4	16V	COROLLA 1800C.C.	IN	31	87.6	6	45°	D	7	
13715-16060 13715-15070	VT-49-E									EX	24.5	88	6	45°	D	7	
13711-56060	VT50-I	11B	4			IN	44	126.5	9	45°	D	7					
13715-56060	VT-50-E					EX	36.5	126.5	9	45°	D	7					
13711-64011 13711-64020	VT-51-I	2C 1C	4			IN	38.5	105	8	45°	D	7					
13715-64012 13715-64030 13715-64040	VT-51-E					EX	32.5	105	8	45°	D	7					
13711-17010	VT-52-I					1HZ	6	LAND CRUISER 4200C.C.	IN	42.5	103.4	8	45°	D	7		
13715-17010	VT-52-E								EX	36	103.4	8	45°	D	7		
13711-54020	VT-53-I	3L	4		HILUX2400C.C. HIACE2800C.C.	IN	42.5	103.5	8	45°	D	7					
13715-54040	VT-53-E					EX	36	103.4	8	45°	D	7					
13711-75020	VT-54-I	1RZ/2RZ	4		HIACE 2000C.C. 2500C.C. RZH100/103	IN	42	102	8	45°	C	7					
13715-75020 13715-75010	VT-54-E					EX	35.2	102.3	8	45°	C	7					
13711-78300-71 13715-78300-71	VT-55-I VT-55-E					IN EX	42 35	122 122	9 9	45° 45°	D D	7 7					
13711-78200-71 13715-78200-71	VT-56-I VT-56-E	1DZ	4		FORLKIFT	IN	38.5	108.6	8	45°	D	7					
13715-54030	VT-57-I					EX	32.6	108.2	8	45°	D	7					
13715-54090 13715-54050	VT-57-E	5L	4			IN	42.5	104.1	8	45°	D	7					
						EX	36	104	8	45°	D	7					
13711-155010 13711-55010	VT-58-I	1N	4			IN	34	91.3	6	45°	D	7					
13715-55010	VT-58-E					EX	29	91	6	45°	D	7					
13711-15090 94853629	VT-59-I	7AFE	4	16V		IN	31	87.5	6	45°	D	7					
13715-15070 13715-16060	VT-59-E					EX	24.5	88	6	45°	D	7					
13711-11010 13711-11011 13711-11012	VT60-I	4E/5E	4 8	16V		IN	28.4	93.5	6	45°	D	7					
13712-11020	VT60-II					IN	24	92	6	45°	D	7					
13715-11030	VT-60-E					EX	24.5	94	6	45°	D	7					
13711-0L020 13711-30040	VT-61-I					1KD	4	8PCS/BOX	16V	IN	32.2	105.5	6	45°	D	7	
13715-0L020 13715-30030	VT-61-E	EX	27.8	105.3	6					45°	D	7					

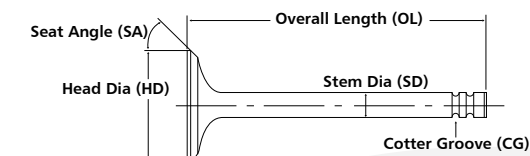


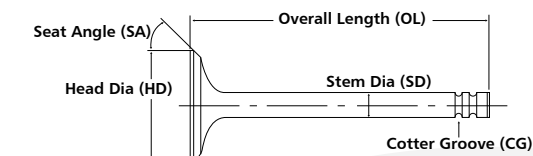
TOYOTA

PARTS NO.	E.P.NO.	ENGINE TYPE	CYL	VEHICLE		IN	DIMENSIONS						REMARKS
				NAME	MODEL		HD	OL	SD	SA	HS	CG	
13711-0L010 13711-30040	VT-62-I	2KD	4	8PCS/BOX	16V	IN	30.5	105.6	6	45°	D	7	
13715-0L010 13715-30040	VT-62-E					EX	26.5	105.7	6	45°	D	7	
13711-62040 13715-62040 13715-62030	VT-63-I VT-63-E	3VZ 5VZFE	V6	24V		IN	34	95.5	6	45°	C	7	
						EX	27.3	95	6	45°	C	7	
13711-20030 13711-0A010 13715-20020 13715-0A010	VT-64-I VT-64-E	1MZ	V6	24V		IN	34	95.4	6	45°	C	7	
						EX	27.3	95.4	6	45°	C	7	
13711-22040 13711-22050 13715-22040 13715-22050	VT-65-I VT-65-E	3ZZ- FE/3ZZ 4ZZ-FE	4		LIMO 16V	IN	31	88.7	5.5	45°	C	7	
						EX	26	88.7	5.5	45°	D	7	
13711-54040 13715-67040	VT-66-I VT-66-E	1KZ-TE	4			IN	42.5	104.4	8	45°	C	7	
						EX	37	104.4	8	45°	C	7	
13711-58010 13715-58020 13715-58021	VT-67-I VT-67-E	11B/13B	4			IN	46	128.3	9	45°	D	7	
						EX	38.5	128.1	9	45°	D	7	
13711-65010 13711-65020 13715-65010 13715-65020	VT-68-I VT-68-E	3VZE	V6	24V		IN	42	104.3	8	45°	C	7	
						EX	35	104.2	8	45°	C	7	
13711-27010 13715-27010	VT-69-I VT-69-E	1CD-FTV	4 16V	COROLLA 99~ PREVIA PICNIC	AVENSIS.RAV4	IN	28	102.5	6	45°	C	7	
						EX	24	102	6	45°	C	7	
13711-75060 13715-75050	VT70-I VT-70-E	3RZFE	8	16V	YARIX	IN	37.5	103.5	6	45°	A	7	
						EX	30.5	103.7	6	45°	A	7	
13711-58020 13711-58021 13711-58026 13711-58050 13715-58030 13715-58040 13715-58050 13715-58060	VT-71-I VT-71-E VT-71-E2 VT-71-E3	13B/14B (1/IN 3/ EX) 14B	4			IN	46	126.5	9	45°	D	7	
						EX	38.5	128	9	45°	D	7	
						EX	38.5	126.5	9	45°	D	7	
						EX	41	126.5	9	45°	D	7	
13711-22030 13715-22030	VT-72-I VT-72-E	1ZZ-FE	4	16V	CAMRY RAV4 WISH AVENSIS PREVIA/TARAGO	IN	32	88.8	5.5	45°			
						EX	27.5	88.8	5.5	45°			
	VT-73-I VT-73-E	3C				IN	38.5	105.8	8	45°	D	7	
						EX	32.5	105.4	8	45°	D	7	
13711-56050 13715-56050	VT-74-I VT-74-E	B 2B	4			IN	45	126.5	9	45°	A	7	
						EX	37.5	126.4	9	45°	A	7	
13711-46021 13711-46022 13715-46020	VT-75-I VT-75-E	1JZ 2JZ	6	24V		IN	33.5	98.6	6	45°	C	7	
						EX	29	99.2	6	45°	C	7	
13711-21020 13715-21020	VT-76-I VT-76-E	2NZ	4	16V		IN	30.5	89.2	5	45°	C	7	
						EX	25.5	87.9	5	45°	C	7	
13711-62030 13715-62050 13715-62030	VT-77-I VT-77-E	5BZFE 3VZFE	V6	24V		IN	34	95.1	6	45°	C	7	
						EX	27.3	95	6	45°	C	7	

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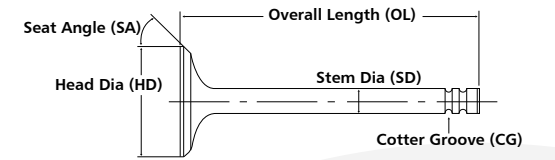
PARTS NO.	E.P.NO.	ENGINE TYPE	CYL	VEHICLE		IN	DIMENSIONS						REMARKS
				NAME	MODEL		HD	OL	SD	SA	HS	CG	
13711-28010 13711-28030 13715-28010 13715-28030	VT-78-I VT-78-E	1AZ 2AZ	4	16V	CAMRY RAV4 WISH AVENSIS PREVIA TARAGO	IN	34	101.7	5.5	45°	C	7	
						EX	29.45	101.2	5.5	45°	C	7	
13711-66020 13711-66030 13715-66020 13715-66030	VT-79-I VT-79-E	1FZ	6	24V		IN	38	98.8	7	45°	C	7	
						EX	32	98.1	7	45°	C	7	
13711-03020 13711-74080 13711-74090 13711-74001 13715-03020 13715-74080 13715-74090 13715-74001	VT-80-I VT-80-E	3S-FE 5S	4	16V		IN	32	97.7	6	45°	C	7	
						EX	27	98.5	6	45°	C	7	
13711-76020 13715-76030 13715-76020	VT-81-I VT-81-E	2TZ	4	16V		IN	36	103.5	6	45°	C	7	
						EX	30.5	103.9	6	45°	C	7	
13711-75070 13715-76030 13715-76020 13715-75060 13715-75070	VT-82-I VT-82-E	3RZ 3RZF	4	16V		IN	37.5	104.1	6	45°	C	7	
						EX	30.5	103.9	6	45°	C	7	
13711-75040 13711-75030 13715-75030	VT-83-I VT-83-E	2RZ 2RZE	4			IN	46	101.8	8	45°	C	7	
						EX	38	102.3	8	45°	C	7	
13711-21010 13715-21010	VT-84-I VT-84-E	1NZFE 2N	4	16V YARIS		IN	30.5	89.3	5	45°	C	7	
						EX	25.5	87.9	5	45°	C	7	
13711-BZ010 13711-23030 13715-BZ010 13715-23030	VT-85-I VT-85-E	1SZFE	4	16V	YARIS 1.0	IN	26	88.5	5	45°	C	7	
						EX	22.6	89.3	5	45°	C	7	
13711-58030 13715-58070 13711-40040 13715-40040	VT-86-I VT-86-E VT-87-I VT-87-E	15B 1KRFE	4 3		DYNA4100C.C. 16V	IN	37	126.5	7	45°	C	7	
						EX	33.1	126.5	7	45°	C	7	
13711-17020 13711-17021 13715-17020	VT-88-I VT-88-E	1HD	6			IN	33	127.2	7	45°			
						EX	30.5	126.8	7	45°			
13711-75110 13711-0C050 13711-0C060 13715-75100 13715-0C050 13715-0C060	VT-89-I VT-89-E	2TRFE	4	16V		IN	37.5	106.3	5.5	45°			
						EX	31.5	106.7	5.5	45°			
13711-88600 13715-88601 13715-88600	VT-90-I VT-90-E	2ZZGE	4	16V		IN	34	111.3	5.5	45°			
						EX	29	111.7	5.5	45°			
13711-50060 13715-50060 13715-50070	VT-91-I VT-91-E	2UZFE	8	32V		IN	34.5	95.1	5.5	45°			
						EX	29	95.1	5.5	45°			
13711-75100 13715-75090	VT-92-I VT-92-E	1TRFE	3	DOHC 16V	HIACE 1998C.C.	IN	34	106.8	5.5				
						EX	28.5	107.3	5.5				

YANMAR[illegible]**VOLKSWAGEN/AUDI**[illegible]

**VOLVO**[illegible]

HONDA(MOTORCYCLE)

PARTS NO.	E.P.NO.	ENGINE TYPE	CYL	VEHICLE		IN	DIMENSIONS						REMARKS
				NAME	MODEL		EX	HD	OL	SD	SA	HS	
14711-028-000	VHM-01-I	CT90	1	BENLY 90 ATC90	SE90E,S90	IN	27	68	5.5	45°	C	6	
14721-028-000	VHM-01-E	CS90				EX	23	66.6	5.5	45°	A	6	
14721-028-602		CD90											
14711-036-000	VHM-02-I	C90ZC	1	SUPER-CUB 50 BENLY DUX-HONDA	GB0,C700 C50Z2 CS50 CS50E CD50 CD70	IN	23	66	5.5	45°	C	6	
14721-036-000	VHM-02-E	C50				EX	20	65.3	5.5	45°	C	6	
14721-051-711		CF120											
14721-051-000		CD80 C70ZC											
14711-GB2-000	VHM-03-I	C50C	1	GB2	IN	21	68	5.5	45°	C	6		
14721-GB2-000	VHM-03-E				EX	18	67.4	5.5	45°	C	6		
14711-087-000	VHM-04-I	C70 C75 CF130 C65 CL70	1	SUPER-CUB 60 C70MK2 CD70(OLD)	C65,C70 C50Z2,CS50	IN	25	64.5	5.5	45°	C	6	
14711-035-010													
14721-087-000	VHM-04-E					EX	22	63.9	5.5	45°	C	6	
14721-035-010													
14721-089-000													
14711-087-710	VHM-05-I	C70Z2	1	CD70(NEW)	C70MK3 C75 C70KA	IN	23.7	64.5	5.5	45°	C	6	
14721-087-710	VHM-05-E	C70Z				EX	21	64	5.5	45°	C	6	
14711-GB6-910	VHM-06-I	C90 GB6	1	FAM(C90II) ASTREA	C800A C90D CUSTOM	IN	22	67	5	45°	C	7	
14720GB6-910	VHM-06-E					EX	19	66.5	5	45°	C	7	
14721-200-020													
14711-001-010	VHM-07-I	C100	1	SUPER-CUB 50C.C.	IN	22	61.2	5.5	45°	C	6		
14721-001-010	VHM-07-E				EX	19	60.8	5.5	45°	C	6		
14711-107-020	VHM-08-I	C100 CB125 CB100 CB500 SY125(OLD)	1	CB550 HONDA-DREAM	CB125S2 CB100,CL,SL CB500,500T CB125S CT125	IN	27.5	93.4	5.5	45°	C	7	
14711-107-010													
14721-107-020	VHM-08-E					EX	21	92.2	5.5	45°	C	7	
14721-107-010													
14721-324-000													
14721-324-005													
14721-324-010													
14711-286-030	VHM-09-I	CB250	2	HONDA-DREAM	CB250 CD250	IN	34	99.	7	45°	C	6	
14721-286-020	VHM-09-E	CB500				EX	28	97.8	7	45°	C	6	
14711-292-000	VHM-10-I	CB450	2	HONDA-DREAM CONDOR	CB450	IN	38	100	7	45°	C	6	
14721-292-000	VHM-10-E					EX	33	96.2	7	45°	C	6	
14711-300-005	VHM-11-I	CB750	4	HOND-DREAM	CB750	IN	32	102.5	6.6	45°	C	6	
14721-300-005	VHM-11-E					EX	28	102.5	6.6	45°	C	6	
14711-230-000	VHM-12-I	CD125	1	BENLY	CD125K3 CB125K3/K5 CD125E	IN	25	62.8	5.5	45°	C	6	
14711-230-010													
14721-230-000	VHM-12-E						EX	22	62.4	5.5	45°	C	
14721-230-010													
14711-235-010	VHM-13-I	CD175	2	BENLY	CB175K3 SL175	IN	28	74	5.5	45°	C	6	
14711-235-000													
14711-350-000													
14721-235-010	VHM-13-E						EX	24	73	5.5	45°	C	
14721-235-000													
14721-302-000													
14721-302-010													
14711-399-000	VHM-14-I	CD185T CD200	7	BENLY CM200T	XR100/75 CD125T CD195 CB125T	IN	24.5	79.1	5.5	45°	C	7	
14721-116-000	VHM-14-E					EX	20.5	78.7	5.5	45°	C	7	
14711-383-000	VHM-15-I	CD100 CG110 CG125	1	BENLY	CG100/110/125 XL125/175 B-5 EX5	IN	29	93.5	5.5	45°	C	7	
14721-383-000	VHM-15-E	CG125A				EX	24	92.5	5.5	45°	C	7	
14711-GB5-7610-M 14711-GN5-911 14711-GN5-912 14711-GN5-913	VHM-16-I	CH100 JH70 C100N		GN5 DREAM CD100 GB5 PRIMA	C-800(S) ASTREA GRAND WAVE110	IN	23	66	5	45°	A	7	
14721-GB5-7610-M1 14721-KFM-900 14721-GF6-000 14721-GF6-010	VHM-16-E					EX	20	65.3	5	45°	A	7	

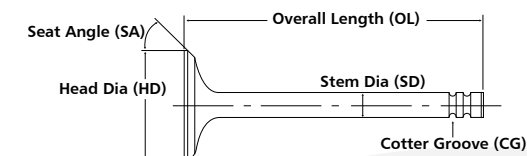


HONDA (MOTORCYCLE)

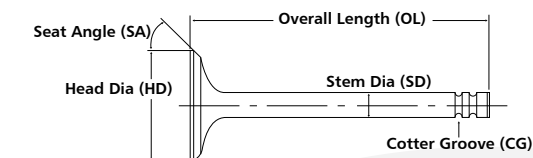
PARTS NO.	E.P.NO.	ENGINE TYPE	CYL	VEHICLE		IN	DIMENSIONS						REMARKS				
				NAME	MODEL		EX	HD	OL	SD	SA	HS		CG			
14711-107-020 14711-107-010	VHM-17-I	GL100 CB100				IN	27.5	93.4	5.5	45°	C	7					
14721-107-020 14721-107-010	VHM-17-E					EX	21	92.2	5.5	45°	C	7					
14721-323-000 14721-323-005 14721-323-010 14721-324-000 14721-324-005 14721-324-010	VHM-17-E					EX	23	92.5	5.5	45°	C	7					
14711-440-003 14711-437-000	VHM-18-I					TG125 GL125 CG150	TUR/82' WING ATC185/200	GL-PRO KG-135 KYMCO	IN	30	92.1	5.5		45°	C	7	
14721-437-000	VHM-18-E					EX			25	91.5	5.5	45°		C	7		
14711-KG2-000 14721-KG2-000	VHM-19-I VHM-19-E					GL145		GL-PRO KG-135	IN	31.5	91.5	5.5		45°	C	7	
	VHM-20-I VHM-20-E					GL185			IN	30	92.3	5.5		45°	C	7	
					EX	25	91.6	5.5	45°	C	7						
14711-081-010 14721-081-010	VHM-21-I VHM-21-E	PC50K1	1	LITTLE HONDA	IN	16	47.5	5.5	45°	C	6						
					EX	16	47.5	5.5	45°	C	6						
14711-235-000 14721-235-010 14721-350-000	VHM-22-I VHM-22-E	S110	1		IN	28	74	5.5	45°	C	6						
					EX	22	75.5	5.5	45°	C	6						
14711-152-000 14721-116-000 14721-176-000	VHM-23-I VHM-23-E	XL100 XL80		XL100SB	IN	24	79	5.5	45°	C	7						
					EX	20.5	78.8	5.5	45°	C	7						
14711-437-000 14711-440-003 14721-437-000 14721-383-000	VHM-24-I VHM-24-E	XL125 XL185S CB125RS XR200		TMX OLD	IN	30	92.1	5.5	45°	C	7						
					EX	24	92.5	5.5	45°	C	7						
14711-KGO-000 14721-KGO-000	VHM-25-I VHM-25-E	XLX-250R			IN	29	105.1	5.5	45°	C	7						
					EX	26	103.8	5.5	45°	C	7						
14711-B05-000 14721-B05-000	VHM-26-I VHM-26-E	SY125(OLD)	OLD	CB100 SY125 WALF	125GB1	IN	27.5	93.4	5.5	45°	C	7					
						EX	21	92.2	5.5	45°	C	7					
14711-812-000 14721-812-020	VHM-27-I VHM-27-E	E300		GENERATOR	E300 GE300 ED250	IN	15.7	50	4	45°							
						EX	14.2	50	4	45°							
14711-413-000 14721-413-000	VHM-28-I VHM-28-E	CB400				IN	26	95.2	5.5	45°	C	7					
						EX	32	100.7	6.5	45°	C	7					
	VHM-29-I VHM-29-E	CIT1100				IN	23	65.8	5	45°	C	7					
						EX	20	65.5	5	45°	C	7					
14711-KCS-650 14721-KCS-650	VHM-30-I VHM-30-E	CG125- CDI				IN	29	93.4	5.5	45°	C	7					
						EX	24	92.6	5.5	45°	C	7					
14711-KY0-890 14721-KY0-890	VHM-31-I VHM-31-E	CG125 XLR125				IN	30	93.4	5.5	45°	C	7					
						EX	25	92.8	5.5	45°	C	7					
14711-HB6-000 14721-HB6-000	VHM32-I VHM-32-E				TRX125	IN	27.5	93.5	5.5	45°	C	7					
						EX	23	92.7	5.5	45°	C	7					
14711-HB3-000 14721-HB3-000	VHM-33-I VHM-33-E				TRX200	IN	30.5	85.9	5.5	45°	C	7					
						EX	25	85	5.5	45°	A	7					
14711-HB3-770	VHM-34-I				TRX200	IN	30.5	86	5.5	45°	C	7					
14711-HAO-003 14721-HAO-003	VHM-35-I VHM-35-E				TRX250 ATC250ES	IN	32	91.3	5.5	45°	C	7					
						EX	28	90	5.5	45°	C	7					
14711-HCO-000 14721-HCO-000	VHM-36-I VHM-36-E				TRX250X	IN	25.5	93.6	5.5	45°	C	7					
						EX	22.5	93	5.5	45°	C	7					
14711-KC4-003 14711-HA7-670	VHM-37-I VHM-38-I				TRX300 TRX350/0	IN	32	91.3	5.5	45°	C	7					
						EX	31	93.2	5.5	45°	C	7					
14721-HA5-003	VHM-39-E				TRX120	EX	27.5	90.5	5.5	45°	C	7					
14711-968-000 14721-459-000	VHM-40-I VHM-40-E				TRX125	IN	27	76.2	5.5	45°	C	7					
						EX	23	75.4	5.5	45°	C	7					
14711-GK4-003 14721-GK4-600	VHM-41-I VHM-41-E	C50J	2			IN	19	69	5	45°	C	7					
						EX	16.1	68.9	5	45°	C	7					
	VHM42-I VHM-42-E	FV125				IN	22	86.5	5	45°	C	7					
						EX	19	85.5	5	45°	C	7					
	VHM-43-I VHM-43-E	BF150				IN	27.7	65.8	5	45°	C	7					
						EX	22.9	65.3	5	45°	C	7					
14711-428-000 14721-471-000 14721-428-000	VHM-44-I VHM-44-E	XL XL250RF- PH				IN	28	87.3	5.5	45°	D	7					
						EX	25.6	87.5	5.5	45°	D	7					

HONDA (MOTORCYCLE)

PARTS NO.	E.P.NO.	ENGINE TYPE	CYL	VEHICLE		IN	DIMENSIONS						REMARKS
				NAME	MODEL		EX	HD	OL	SD	SA	HS	
14711-KK1-000	VHM-45-I	XL XR250RF- PH				IN	28.5	96.5	5.5	45°	C	7	
14721-KK1-000	VHM-45-E					EX	25.5	96	5.5	45°	C	7	
14721-KR6-000													
14711-MG3-000	VHM-46-I	XR600				IN	36	105.7	6.59	45°	C	7	
14721-MG3-000	VHM-46-E					EX	31	104.2	6.57	45°	C	7	
14711-GY6-9000 14711-GY6-000 14711-M8Q- 0000	VHM-47-I	GY6			KV8/Y6	IN	24	64.8	5	45°	C	7	
14721-GY6-9000 14721-GY6-000 14721-M8Q- 0000	VHM-47-E					EX	21.5	64.3	5	45°	C	7	
14711-GB4-000	VHM-48-I	GB4				IN	20	68.7	5	45°	C	7	
14721-GB4-000	VHM-48-E					EX	17	68.1	5	45°	C	7	
	VHM-49-I	VF125(STD)				IN	22	86.5	4.98	45°	C	7	
	VHM-49-E					EX	19	85.5	4.97	45°	C	7	
14711-GK4-013	VHM-50-I	C50K	2			IN	21	67.7	5.5	45°	A	6	
14721-GK4-601	VHM-50-E					EX	18	67.5	5.5	45°	A	6	
14711-KW1-900	VHM-51-I	CBX	2			IN	31.4	89.3	5.5	45°	C	7	
14721-KW1-900	VHM-51-E					EX	25.9	88.9	5.5	45°	C	7	
14711-GB5-000	VHM52-I	GB5				IN	23	66	5	45°	C	7	
14721-GB5-000	VHM-52-E					EX	20	65	5	45°	C	7	
14711-KPH-900	VHM-53-I	KPH		KARISMA WAVE-125		IN	24	72	5	45°	C	7	
14721-KPH-900	VHM-53-E					EX	21	71.7	5	45°	C	7	
14711-KGH-900	VHM-54-I	KGH		SONIC		IN	28	81.2	5	45°	C	7	
14721-KGH-900	VHM-54-E					EX	24	79.9	5	45°	C	7	
14711-KBB-900	VHM-55-I	NX200 XR200 XL200				IN	31.5	89.9	5.5	45°	C	7	
14721-KBB-900	VHM-55-E					EX	27.1	88.9	5.5	45°	C	7	
14711-KUB-900	VHM-56-I	CLICK				IN	25.8	76.4	5	45°			
14721-KUB-010	VHM-56-E					EX	21	74.6	5	45°			
14711-380-660	VHM-57-I	TMX NEW				IN	30	92	5.5	45°			
14721-KCS-650	VHM-57-E					EX	24	92.6	5.5	45°			
	VHM-58-I	NXR125				IN	29	93.9	5	45°			
	VHM-58-E					EX	25.1	92.6	5	45°			
14711-KS4-000	VHM-59-I					IN	30.5	77.7	5	45°	C	7	
14721-KS4-000	VHM-59-E					EX	26.6	77.2	5	45°	A	7	
14711-KAB-000	VHM-60-I					IN	30.5	80.8	5	45°	C	7	
14721-KAB-000	VHM-60-E					EX	26.5	80	5	45°	A	7	
14711-C25	VHM-61-I	JH125LI				IN	30	91	5.5	45°	C	7	
14721-C25	VHM-61-E					EX	24.9	90.3	5.5	45°	C	7	
14711-B12-000	VHM62-I	SY125RS SY125RS3 CBX150			B12	IN	31	88.3	5.5	45°	C	7	
14721-B12-000	VHM-62-E					EX	26	88.8	5.5	45°	C	7	
	VHM-63-I	CS100				IN	26.2	64.3	5	45°	C	7	
	VHM-63-E					EX	22	63.8	5	45°	C	7	
	VHM-64-I	CB125S				IN	30	92.4	5.5	45°	C	7	
	VHM-64-E					EX	35	91.6	5.5	45°	C	7	
14711-KYO-980	VHM-65-I	CG125M				IN	29	93.3	5.5	45°	C	7	
14721-KYO-980	VHM-65-E					EX	24	92.7	5.5	45°	C	7	
14711-KJ9-000	VHM-66-I	CH125	2		KV7 A150	IN	26	81	5	45°	C	7	
14721-KV7-900	VHM-66-E					EX	22	81	5	45°	C	7	
14711-KK6-000	VHM-67-I	CBX125	2			IN	22	73.5	5	45°	C	7	
14721-KK6-000	VHM-67-E					EX	20	77	5	45°	C	7	
14711-399-000	VHM-68-I	CB125T	2			IN	24.5	79	5.5	45°	C	7	
14721-176-000	VHM-68-E					EX	20.5	78.7	5.5	45°	C	7	
14711-459-000	VHM-69-I	CT100 ATC-125	2			IN	27	75.9	5.5	45°	C	7	
14721-459-000	VHM-69-E					EX	23	75.4	5.5	45°	C	7	
14711-KCW-850	VHM-70-I	CZ125	2		CW	IN	27	81	5	45°	C	7	
14721-KCW-850	VHM-70-E					EX	23	80	5	45°	C	7	
14711-KC6-950	VHM-71-I	GL125				IN	30	91	5.5	45°	C	7	
14721-KC6-950	VHM-71-E					EX	25	90.2	5.5	45°	C	7	

KAWASAKI[illegible]

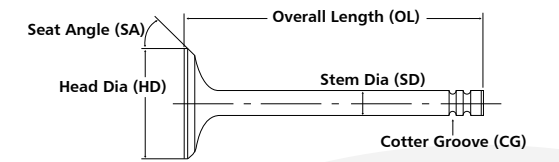
HARLEY DAVIDSON

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B&S(AGRIMOTOR)

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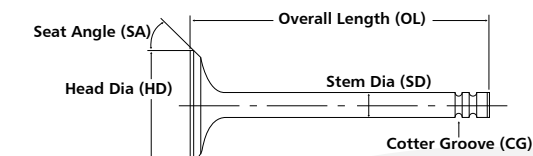
HONDA(AGRIMOTOR)

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KUBOTA(AGRIMOTOR)

PARTS NO.	E.P.NO.	ENGINE TYPE	CYL	VEHICLE		IN	DIMENSIONS						REMARKS
				NAME	MODEL		EX	HD	OL	SD	SA	HS	
14351-1311-1	VKU-01-I			ER50 GA80		IN	34	91.2	7	45°	A	4	
14315-1312-1	VKU-01-E					EX	28	91.2	7	45°	A	4	
1430-1-1311-1	VKU-02-I			ER65 GA90		IN	39	96.2	8	45°	A	7	
14301-1312-1	VKU-02-E					EX	34	96.2	8	45°	A	7	
14311-1311-1	VKU-03-I			ER100 ER120 ER2200 ER1500		IN	48	125	9	45°	A	1	
14311-1312-1	VKU-03-E					EX	40	125	9	45°	A	1	
	VKU-04-I			ET80/70 ER600/700 E8 PK80/ER600		IN	34	88.8	7	45°	A	4	
	VKU-04-E					EX	29	88.8	7	45°	A	4	
	VKU-05-I			ET110 ET100 ET95/90 E9 ER800/900		IN	38	93.3	8	45°	A	7	
	VKU-05-E					EX	32	93.3	8	45°	A	7	
	VKU-06-I			ER30 ER40 GA70		IN	29	87.2	7	45°	A	3	
	VKU-06-E					EX	26	87.2	7	45°	A	3	
14111-1314-2	VKU-07			KND3 KND3B		IE	26	103	7	45°	A	4	
14109-1314-2	VKU-08			KND5B KND45		IE	28	110	7	45°	A	4	
	VKU-09			KND5		IE	33	129.8	7.95	45°	A	1	
	VKU-10-I			ER80		IN	42.9	115.4	8	45°	A	4	
	VKU-10-E					EX	37	115.4	8	45°	A	4	
	VKU-11-I			SD6		IN	34	119.5	9	45°	A	4	
	VKU-11-E					EX	30	19.5	9	45°	A	3	
	VKU-12-I			NM55		IN	28	93.3	7	45°	A	3	
	VKU-12-E					EX	25.2	93	7	45°	A	3	
	VKU-13-I			DC57		IN	33.9	102.7	8	45°	A	1	
	VKU-13-E					EX	31.1	103.2	8	45°	A	1	
15221-13110	VKU-14-I			Z75 L2000 L1500		IN	33	101.2	8	45°	D	7	
15221-13120	VKU-14-E					EX	27	101.2	8	45°	D	7	
	VKU-15-I			RK50 RK70		IN	31	79.7	7	45°	D	2	
	VKU-15-E					EX	27.5	79.9	7	45°	D	2	
	VKU-16-I			RK105/RK125 RK105		IN	40	93.1	8	45°	D	7	
	VKU-16-E					EX	32	93.3	8	45°	D	7	
17018-13100	VKU-17-I			KND70		IN	41	125	8	45°	A	1	
17018-13120	VKU-17-E					EX	35	125	8	45°	A	1	
12231-13110 13951-13110	VKU-18-I			GS200		IN	29	95.7	7	45°	C	2	
13952-13120	VKU-18-E					EX	27	95.7	7	45°	C	2	
	VKU-19-I			ER1500/2200		IN	47	125	9	45°	A	1	
	VKU-19-E					EX	40	125	9	45°	A	1	
	VKU-20-I			KND90		IN	41	124.8	8	45°	A	1	
	VKU-20-E					EX	35	125	8	45°	A	1	
	VKU-21			KNDR55		IN	28	109.8	6.95	45°	A	1	

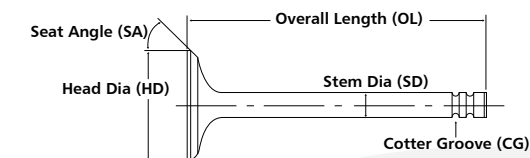
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MITSUBISHI(AGRIMOTOR)

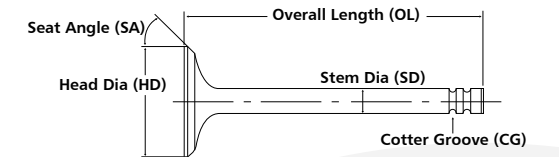
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KOHLER(AGRIMOTOR)

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SHIBAURA(AGRIMOTOR)

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ROBIN(AGRIMOTOR)

PARTS NO.	E.P.NO.	ENGINE TYPE	CYL	VEHICLE		IN	DIMENSIONS						REMARKS
				NAME	MODEL		HD	OL	SD	SA	HS	CG	
	VRA-01-I			EY14		IN	27	86.9	6	45°	A	2	
	VRA-01-E					EX	23	87	6	45°	A	7	
	VRA-02-I			EY15		IN	7	82.5	6.5	45°	A	5	
	VRA-02-E					EX	23	83	6.5	45°	A	5	
	VRA-03-I			EY18		IN	28	87.4	7	45°	A	2	
	VRA-03-E					EX	24	87.2	7	45°	A	2	
	VRA-04-I			EY25		IN	31.5	108.1	7	45°	A	2	
	VRA-04-E					EX	29.5	108.2	7	45°	A	2	
	VRA-05-I			EY20		IN	28	86	6.5	45°	A	5	
	VRA-05-E					EX	24	86	6.5	45°	A	5	
	VRA-06-I			EY28		IN	31.5	91.3	6.5	45°	A	6	
	VRA-06-E					EX	28.5	91.3	6.5	45°	A	6	
	VRA-07-I			EY35/40		IN	35.5	119.9	8	45°	C	2	
	VRA-07-E					EX	32.5	119.9	8	45°	A	2	
238-33401-33	VRA-08-I			EH-17 OLD		IN	24.5	65.8	5.5	45°	D	4	
238-33501-03	VRA-08-E					EX	22.5	66	5.5	45°	D	4	
269-33401-03	VRA-09-I			EH-17 NEW		IN	24.5	65.4	5.5	45°	D	7	
269-33501-03	VRA-09-E					EX	25.5	65.4	5.5	45°	D	7	

YANMAR(AGRIMOTOR)

PARTS NO.	E.P.NO.	ENGINE TYPE	CYL	VEHICLE		IN	DIMENSIONS						REMARKS
				NAME	MODEL		HD	OL	SD	SA	HS	CG	
173200-11100	VY-01			F4 NT65		IE	26.5	93.5	7	60°	A	3	
101204-11100	VY-02			F5 NT70		IE	28.8	104	7	60°	A	3	
101300-11100	VY-03			F6 NT75		IE	31	107	8	60°	A	3	
102700-11100	VY-04			F7 NT80		IE	33	112	8	60°	A	3	
101400-11100	VY-05			F8 NT85		IE	35	118	9	60°	A	3	
173500-11100	VY-06			F10 NT95		IE	40	130	10	60°	A	3	
104100-11100	VY-07-I			TS50,TH3		IN	28.5	92.5	7	45°	A	3	
104100-11110	VY-07-E					EX	24.5	92.5	7	45°	A	3	
14200-11100	VY-08-I			TS60,TH4		IN	32	96.8	7	45°	A	3	
104200-11110	VY-08-E					EX	27	96.8	7	45°	A	3	
101218-11100	VY-09-I			TS70-80 TH6 TH5	FA55E	IN	33.5	106	7	45°	A	3	
101218-11110	VY-09-E					EX	27.5	106	7	45°	A	3	
103438-11100	VY-10-I			TS105 TH7	S90 S90C	IN	36.5	113	8	45°	A	2	
103438-11110	VY-10-E					EX	30.5	113	8	45°	A	2	
104600-11100	VY-11-I			TS130 A12 TH8		IN	38.5	114	8	45°	A	3	
104600-11110	VY-11-E					EX	32.5	114	8	45°	A	3	
103854-11100	VY-12-I			TS155 TH10		IN	39.5	126	9	45°	A	7	
103854-11110	VY-12-E					EX	35.5	126	9	45°	A	7	
	VY-13-I			TF160		IN	42	106.3	9		D	7	
	VY-13-E					EX	35.5	105.6	9		D	7	
	VY-14-I			S90		IN	36.5	113	8	45°	A	3	
	VY-14-E					EX	30.5	113	8	45°	A	3	
	VY-15-I			S150		IN	26	84.4	7	45°	C	3	
	VY-15-E					EX	23.1	84.4	7	45°	C	3	
	VY-16-I			S200		IN	29	98.7	7	45°	C	3	
	VY-16-E					EX	26	98.9	7	45°	C	3	

YANMAR (AGRIMOTOR)

PARTS NO.	E.P.NO.	ENGINE TYPE	CYL	VEHICLE		IN	DIMENSIONS						REMARKS
				NAME	MODEL		HD	OL	SD	SA	HS	CG	
	VY-17-I			TA60		IN	32	96.5	7	45°	A	3	
	VY-17-E			A6 SA60		EX	27	96.5	7	45°	A	3	
	VY-18-I			S85		IN	35.5	110.1	8	45°	D	3	
	VY-18-E					EX	29.6	110.1	8	45°	D	3	
	VY-19-I			TA70		IN	32.5	88.5	7	45°	A	3	
	VY-19-E			A7 SA70		EX	26.5	88.5	7	45°	A	3	
	VY-20-I			TA80		IN	35.5	95	7	45°	A	3	
	VY-20-E			A8 SA80		EX	30	95	7	45°	A	3	
	VY-21-I			TF75		IN	32.5	94	7	60°	A	3	
	VY-21-E			TF85		EX	27.5	83.5	7	45°	A	3	
	VY-22-I			TF105		IN	37	96.4	8	60°	A	3	
	VY-22-E			TF115		EX	31	96.4	8	45°	A	3	
	VY-23-I			SK230		IN	29	87.2	7	45°	A	3	
	VY-23-E					EX	26	87.2	7	45°	A	3	
	VY-24-I			D800		IN	30	92.2	6.6	45°	A	7	
	VY-24-E					EX	28	91.7	6.6	45°	A	7	
	VY-25-I			TS190/220		IN	49	135.6	9	45°	A	7	
	VY-25-E			TS230		EX	39	135.2	9	45°	A	7	
	VY-26-I			TS180		IN	43	125.3	9	45°	A	7	
	VY-26-E			TH13 NS18C S16T		EX	33	125.2	9	45°	A	7	
	VY-27-I			D1200		IN	35.1	92.2	6.6	45°	A	7	
	VY-27-E					EX	30	92.2	6.6	45°	A	7	
	VY-28-I			Z500		IN	27	89.7	7	45°	A	2	
	VY-28-E					EX	23.5	89.7	7	45°	A	2	
	VY-29-I			L100		IN	35.5	94.2	7	45°	A	3	
	VY-29-E					EX	29	94.2	7	45°	A	3	

DAIHATSU

OEM NO	Engine Type	Cyl/V	Description	I/E	EP NO	SET/PCS	
11122-15020	3AU 2A/2AL/2ALU/2ELU	L4/8V	1.3	IN	GDA-01-I	8PCS	
11126-15020	3AC/LU/U/3AL/3ALU 4AC/4ALC/4ALU	L4/8V L4/8V	1.5 1.6	EX	GDA-01-E		
8-94239-423-0 OPE 11122-15020	4EC1/T;GEMINI 15D/15DT 17D/TD;X17D/T 4EE1	L4 L4 L4	1.5D/49kw 1.5D/TD 1.7D/44kw	I/E I/E I/E	GDA-02-I/E	8PCS	
11124-87701/2 550621301	AB/AB30 CB20/41 ED10K/ED20/FEEL CB90 CB22;CB Mini Mk I G100	D700 G11 3/6V	0.5 1.0 0.8 993cc 1.0/0.9	I/E	GDA-03-I/E	6PCS	
11122-87301/2	SV18L,D200;DL			I/E	GDA-04-I/E	8PCS	
11122-24020	3K/3KC/3KH 4K/4KC	L4 L4	1.2/57kw 1.3/55kw	IN	GDA-05-I	8PCS	
11126-24020	2K 5K		1.0/43kw 1.5/64kw	EX	GDA-05-E		
11126-24020	1C/1CL/1CTL 2C/L	L4	1.8D/48kw 2.0D/54kw	I/E	GDA-05-I/E	8PCS	
11124-87203	EJDE		1.0i	IN	GDA-06-I		
11128-87202	EJVE		1.0i	EX	GDA-06-E		
11122-25021/20	2T/2TB/2TC		1588	IN	GDA-07-I	8PCS	
11126-25021/20	T/3T/3TC 12T/13T		1.4/1770 1.6/1.8	EX	GDA-07-E		
4023-1631	D700/FC/FE			IN	GDA-08-I	8PCS	
4023-1632	F40/12R			EX	GDA-08-E		
4710-1632-01	FA/F-100		1500cc	IN	GDA-09-I	8PCS	
4610-1632	V100			EX	GDA-09-E		
4111-1631-01	FB F-200		1900cc	IN	GDA-10-I	8PCS	
4111-1632-01	V200			EX	GDA-10-E		
11122-56021	B/3B;DG/DV26		3.0/3.4D	I/E	GDA-11-I/E	8PCS	
11124-87101	HD/HDC/HDE HDEEG/HDEP HE/HEEG;HEEJ K3/K3VE	S89, DG1.3 16V	1.6/16V 1.5/16V 1.3	IN EX	GDA-12-I GDA-12-E	16PCS	
11128-87201-000	EF			EX	GDA-13-E		
11122-87303	V83			IN	GDA-14-I		
11122-56010	B/BU	L4	3.0D	I/E	GDA-15-I/E	8PCS	
11122-56030/20	13B/3B 2B	L4	3.4D 3.2D	I/E	GDA-16-I/E	8PCS	

HINO

OEM NO	Engine Type	Cyl/V	Description	I/E	EP NO	SET/PCS	
11122-1100 2-400-1907-01	ED100			IN	GHI-01-I	12PCS	
11126-1080 2-400-1908-01				EX	GHI-01-E		
11121-1120 2-330-1308-12	EB100 EB200			IN	GHI-02-I	12PCS	
11125-1180 2-330-1309-11				EX	GHI-02-E		
11122-1030A	EB300			IN	GHI-03-I	12PCS	
11126-1030A	EB400			EX	GHI-03-E		
11122-1090A/1050A 11121-1160 11122-1020 2-382-1912-00(TOY)	EH100 EC100 DM100 DQ100 EG100			IN	GHI-04-I	12PCS	
11126-1050A/1060A 11125-1150 11126-1020 2-382-1913-00(TOY)				EX	GHI-04-E		
11122-1070 2-383-1303-00	EH300 EH500			IN	GHI-05-I	12PCS	
11126-1041 2-383-1304-00				EX	GHI-05-E		
11122-1060	EH700			I/E	GHI-06-I/E	12PCS	
11122-1200/1							
11122-1120	EM100 EQ100			I/E	GHI-07-I/E	12PCS	
11122-1010/11	EK100 EK200			IN	GHI-08-I	12PCS	
11126-1010				EX	GHI-08-E		
11122-1080	EL100			IN	GHI-09-I	12PCS	
11126-1070				EX	GHI-09-E		
11122-1020 2-390-1924-00	EF350/500/700 EF100/300			IN	GHI-10-I	12PCS	
11126-1020				EX	GHI-10-E		
11122-1040	EF750 EF550;F17C			I/E	GHI-11-I/E	16PCS	
11121-1140 2-301-1301-01	DK10			IN	GHI-12-I	12PCS	
11125-1130 2-301-1304-01	DK20			EX	GHI-12-E		
2-872-1307-00	DS50/60 DS80			IN	GHI-13-I	12PCS	
2-872-1308-00				EX	GHI-13-E		
2874-1310-00	DS70 DS90			IN	GHI-14-I	12PCS	
2874-1313-00				EX	GHI-14-E		
11122-1180	H06C(T) H07C;K13C			I/E	GHI-15-I/E	12PCS	
11122-1130	EP100 F20C			I/E	GHI-16-I/E	12or16PCS	

HINO

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HONDA

OEM NO	Engine Type	Cyl/V	Description	I/E	EP NO	SET/PCS		
12208-634-000	D12B/ZA2	L4/8V L4/8V	1.2/40kw	IN	GHO-01-I	8PCS		
12208-634-920	EB1/2/3		1237cc	EX	GHO-01-E			
12209-634-000	EN1/2/4		1.3					
12209-634-920	Civic 1200							
12208-634-000	D15B/EC/ED/EM/EW	16V	1.5/56kw	IN	GHO-02-I	16PCS		
12208-634-920				EX	GHO-02-E			
12205-657-310/315								
12205-PEO-315								
12204-PJ7-305 12204-PV0-305 5-86202-093-0	D13B7 D13C D14A3 D14E1/Z6 D15Z1/3/6/8 D16Z6;D16Y8 D16V1 4EE2	L4/16V L4/16V	1.3/48kw 1.3/60kw 1.4 1.4i/55-66kw 1493/92 1590/97 1.6i/81kw 1.7 CTDi	I/E	GHO-03-I/E	16PCS		
12204-PJ7-305 12204-PV0-305 5-86202-093-0	ECA1/MF2 D12B1 L12A1		1.0/56kw 1.2 1.2/57kw	IN IN	GHO-04-I	16PCS		
12205-PJ7-305 5-86202-094-0	L13A1/7	16V	1.4/61kw	EX EX	GHO-04-E			
	LDA1/2	16V	1.3					
	D13B1/2	16V	1.3					
	D14A1/2	L4/16V	1.4/66kw					
	D14A5/7/8	L4/8V	1.4/55-66kw					
	D15B1/B2/B6/B7	L4/16V	1493/92					
	D15B8	16V	1493/92					
	D16A3/6/7/Y5/Y7/Y8	16V	1590/97					
	D16B2/6	16V	1.6/85kw					
	D16W1/5/Y2/3/6	L4/16V	1.6i					
	D16Z1/2/5/6/9	16V	1.6i					
	D17A1/A2/A6/A7/8/9	16V	1668/102					
	F18A2/3/B/B2	16V	1.8i/74kw					
	R18A1/2	16V	1.8/103kw					
	F20A/B2/3/4/6	L4/16V	2.0i					
	F20A7/B3/6	L4/16V	2.0i					
F20Z1/2/3		2.0i						
F22B1/B2/B6/B5/8		2156/132						
F22A1/A4/A6/7/8		2156/134						
12204-PJ7-305 12204-PV0-305 5-86202-093-0	F22Z2 F23A1/7 F23Z5	16V L4/16V 16V	2.2i/110kw 2254/138 2.3/113kw	IN IN	GHO-05-I		16PCS or12PCS	
12205-PJ7-305 5-86202-094-0	G25A1/A4;G24A4	L5/20V	2451/150	EX EX	GHO-05-E			
	C30A1	V6/24V	2977/182					
	C32A1/A6	V6/24V	3206/196					
	J32A1/A2/A3	V6/24V	3210/196					
	J35A3/A5	V6/24V	3471/212					
	J35A1/A4	V6/24V	3474/212					
	C35A1/2	V6/24V	3475/212					
	J30A1/A4	V6/24V	2997/183					

HONDA

OEM NO	Engine Type	Cyl/V	Description	I/E	EP NO	SET/PCS	
12204-689-305	EG/EL/EF/EP	H-BACK	1.6/59kw	IN	GHO-06-I	12PCS	
12205-689-300/305	EK1 EZ/EP	L4/12V H-BACK	1751cc 1.6/65kw	EX	GHO-06-E		
12204-PA6-300/05	ES2/ES3/ET2/A18A1 ES1/ET A20A1/2/3/4 BS/BT;BS1;BS2 Accord 12V EV2	L4/12V	1829/112	IN	GHO-07-I	12PCS	
12204-PC6-305		L4/8V	1829cc	EX	GHO-07-E		
12204-634-920		L4/12V	1955/119				
12205-689-300/305		L4/12V 12V	1955cc 1.3				
12204-PA6-300/05	EJ1 EM1/EW1/EW3/EW4 D15A2/A3 EV1/D13A2 ED1/ED2/ED3 EW3 EF1	L4/8V	1335/81	IN	GHO-08-I	12or16PCS	
12204-PC6-305		L4/12V	1487/91				
12204-634-920		L4/12V	1487/91	EX	GHO-08-E		
12205-657-310/315 12205-PEO-315		L4/16V	1342/82				
		L4/12V	1487/91				
12205-657-310/315	L4/8V	1487/91					
12205-PEO-315	L4/12V	1599/98					
12204-PC6-305	ES			IN	GHO-09-I		
12205-657-305				EX	GHO-09-E		
8-94206-762-0	4ZE1	L4/8V	2559/156	IN	GHO-10-I	8PCS	
8-94206-763-0				EX	GHO-10-E		
12204-PA6-300/5	EV1/EV2 EW/2/3/4	L4/8V	1487/91	IN	GHO-11-I	8PCS	
DBP9272				IN	GHO-11-E		
DBP9273				EX			
12205-657-310/315				EX			
12205-PEO-315				EX			
12204-PG6-305	B20A1/2/3/5/7/8 ZC/ZC1	L4/16V 16V	1955/119 1.6	IN	GHO-13-I	16PCS	
12205-PG6-305				IN	GHO-13-E		
12204-PM7-305	D16A1/A8 D18A1/B1 B20A;B20A5/A9 B20B;B20B4/Z2 B21A1	L4/16V	1590/97	IN	GHO-14-I	16PCS	
12205-PM7-305		L4/16V	1834/112	EX	GHO-14-E		
		L4/16V	1958/119				
		L4/16V	1972/121				
	L4/16V	2056/125					
12204-PM7-305	C27A4	V6/24V	2675/163	I/E	GHO-15-I/E	12PCS	
12204-PM7-305	B20Z1/3/9	L4/16V	2.0/108kw	IN	GHO-16-I	16PCS	
104 050 57 24							
8943626461 8943161570 8941767091	6VE1 6VD1/6VD1W	V6/24V	3494/213 3165c	I/E	GHO-17-I/E	12PCS	
12204-PR3-305	D15B1/B2/B6 B16A1/A2/A3 B17A1 B18C1/C5 B18C4 16V	L4/16V	1493/92	IN	GHO-18-I	16PCS	
12205-PR3-305		L4/16V	1595/97	EX	GHO-18-E		
		L4/16V	1678/102				
		L4/16V	1797/110				
		L4/16V	1.8				

HONDA

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ISUZU

OEM NO	Engine Type	Cyl/V	Description	I/E	EP NO	SET/PCS	
9-11721-120-0	DH100			I/E	GIS-01-I/E	12PCS	
11721-100 9-11721-160-0	DA120/DA640		6.1/6.4D	I/E	GIS-02- I/E	12PCS	
9-11721-123-0	C221		2.2D	IN	GIS-03-I	8PCS	
9-11721-113-0	C240		2.4D	EX	GIS-03-E		
9-11721-212-0	E120/T ISU120		2.0L/122CID	I/E I/E	GIS-04-I/E	8PCS	
8-94032-687 5-11721-001-0 1-11721-013-0	4BA1/4BB1/4BC1 6BB1/6BD1 4BD1T/4BD2T 6BD1T & 6BD2T Indl. 6BG1 6BF1	FSR113 DIESEL	2.8/3.6/3.3 5.4D 2.2L/137CID 3.9L/235CID 3.0L/182CID 5.8/6.1	I/E	GIS-05-I/E	8PCS or12PCS	
9-11721-804-0	C330/D500/D400	DIESEL	3.3/5.0	I/E	GIS-06-I/E		
9-11721-165-0	6QA1;D920;E110			I/E	GIS-07-I/E	12PCS	
1-11721-004-0/1	10PA1/10PE1 8PA1;12PA1			I/E	GIS-08-I/E	8PCS	
5-11721-015-1/0	4FB1/4FC1 4FD1	L4/8V	1.8/2.0D 2.2D	I/E	GIS-09-I/E	8PCS	
AUD	JN,MG	SOHC 8V	1780cc	I/E	GIS-10-I/E	8PCS	
8-94206-762-0 9-11721-174-0 GMT 8-94206-763-0 9-11721-175-0	G180Z 4FB1 G161Z/KB20(NEW) GMT111N/119A 4ZE1 G200Z 4ZB1/4ZC1(T) 4ZD1	L4/8V L4 D L4 L4 L4 L4 L4	1816cc 1819cc 1.6 1.8L/1.9L 2559cc 1949cc 1.8/1994cc 2254cc	IN IN EX EX	GIS-11-I GIS-11-E	8PCS	
1-11721-001-0	6RA1/6RB1			I/E	GIS-12-I/E	12PCS	
5-11721-016-0 94029-347 SSA	4JB1;4JB1T;4JA1;4JH1 C190/C223(T)/C240 NKR55;4JG2/ GMT 2.2 VIN"S" (80~84) DC23	80- DIESEL	2.0/2.2/2.4 D 134CID/2.2L 2.2D	I/E	GIS-13-I/E	8PCS	
1-11721-008-0 94047955	6BA1 6SD1 6SA1T/TC	89- L6	8.4L/513	I/E I/E	GIS-14-I/E	12PCS	
8-94390-780-0	6HK1 TC/TCN/TCS	L6/24V	7.8L/SOHC	I/E	GIS-15-I/E	12PCS	
9-11721-109-0	G161 ;KB20			IN	GIS-16-I	8PCS	
	OLD			EX	GIS-16-E		
11-3374	C201PT C201		2.2D	IN	GIS-17-I	8PCS	
9-11721-139-0				EX	GIS-17-E		
11-3375							
9-11721-153-0							
8-94396-598-0	4HE1(T) 4HF1;NPR66 6HF1 6HE1(T)/TC/TCN NPR	L4/8V L6/12V	4.8L/290CID 7.1L/435CID	I/E	GIS-18-I/E	8or12PCS	

ISUZU

OEM NO	Engine Type	Cyl/V	Description	I/E	EP NO	SET/PCS	
8-94239-423-0 OPE 11122-15020 94840-603	4EC1T;GEMINI 15D/15DT 17D/TD;X17D/T 4EE1;4J11(16v)	L4 L4 L4	1.5D/49kw 1.5D/TD 1.7D/44kw	I/E I/E I/E	GIS-19-I/E	8PCS	
8-94176-717-0	4XC1	L4/8V	1471cc	IN	GIS-20-I	8PCS	
8-94176-718-0				EX	GIS-20-E		
	6WA1			I/E	DGIS-21-I/E	12PCS	
8-94176-708-0	4XC1/T	L4/8V	1471cc	I/E	GIS-22-I/E	8PCS	
8-94362-645-1	4XE1W/T DOHC	16V	1588cc	IN	GIS-22-I	12or16PCS	
8-94364-961-1	4XE1 SOHC	12V	1588cc				
8-94176-708-1	4XF1 DOHC	16V	1788cc				
8-94424-506-1	4XE1 SOHC	12v	1588cc	EX	GIS-22-E	12PCS	
8-94176-709-1	4XE1W/T DOHC 4XF1 DOHC	16v	1588cc	EX	GIS-23-E	16PCS	
8-94316-157-0		16v	1788cc	EX			
8-94362-646-1							
8-94176-709-1 8-94316-157-0 8-94362-646-1	6VD1/W 6VE1 DOHC	V6 V6/24V	24V/3165cc 24V/3491cc	I/E	GIS-23-I/E	12PCS	
	PO9C/PO11C JO7C/JO8C	20V/24V		I/E	GIS-24-I/E	12PCS	
	3LD1/4LD1 4LE1			I/E	GIS-25-Z	8PCS	
	4LC1			I/E	GIS-26-Z	8PCS	
11116-73010 11115-82000-001 11115-73010 91118-398(BEF)	G13BB/EF13 F10D;G10A/B F8B/ST100 G13A/BA G16A/KC FA10A		1.3 4WD 1.1/1.0 0.8 1.3 1.6 1.0	I/E I/E I/E I/E I/E	GIS-27-I/E	8PCS	
11116-73010	F10A		1.0	IN	GIS-27-I	8PCS	
				EX	GIS-27-E		
24574524	GMT/GMC134	OHV	2.2L/134CID	IN	GIS-28-I		
10198812				EX	GIS-28-E		
	GMC122-1 GMC134	OHV/8V OHV	2.0L/122CID	IN	GIS-29-I		
			2.2L/134CID	EX	GIS-29-E		
8-90502-079-0 4500633 90502642 90572642 90502181 90502079	Y22E;X22XE;X22DTH C16SEL/XE/XEL C18XE/X18XE C25XE/X25XE X14XE X16SZR;Y16XE;Z16XE F18N2 X20DTH/DTL;Y20DTH Y22DTR;D223L Y26SE Z14XE/XEP Z20LEH/L/R/T B258I/B308I	16v 16v V6 16v 16v 16V V6 16v 16v V6/24V	2.2 1.6i 1.8i 2.5i 1.4i 1.6i 1.8 2.0 2.2 2.6 1.4 2.0T 2.5	I/E I/E	GIS-30-I/E		

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KOMATSU

OEM NO	Engine Type	Cyl/V	Description	I/E	EP NO	SET/PCS	
6742-01-3240	S6D114-1(9A)(9B) SA6D114-1(9C) SAA6D114E-2A-A(9D) SA6D114E-1-GD(9E) SA6D114-1AA(9F)			I/E	GKO-01-I/E	12PCS	
6204-19-1310/1 6204-11-1310	S4D95L-W-1(1A) 4D95L-1(C) 4D95L-E-2A(1E) 4D95S-1H,1J(1G) 6D95L-1(2A) 6D95L-1AF-1(2C) S6D95L-1(2E) S4D95L-1A,1B,1G(1H) S4D95L-1K(1J) S6D95L-1MM(2G) SA6D95L-1(2J)	4 4 4 4 6 6 6 4 4 6 6	3.3L/199 3.3L/199 3.3L/199 2.7L/164 4.9L/298 4.9L/298 4.9L/298 3.3L/199 3.3L/199 4.9L/298 4.9L/298	I/E I/E	GKO-02-I/E	8or12PCS	
6130-12-1310 6136-12-1330	6D105			I/E	GKO-03-I/E	12PCS	
6130-19-1310	4D105-3C(5A) S4D105-1&2(5D) S4D105-3(5E)			I/E	GKO-04-I/E	8PCS	04
6136-19-1430	S4D105-5A/B(5G) 4D105-5H,5T(5C) 6D105-1(6B) S6D105-1(6D) S6D105-1(6E)(6F) S6D110-1(8A) SA6D110-1(8B)			I/E	GKO-05-I/E	8or12PCS	04
6110-13-1311 6110-13-1310	4D130-1&S4D130-1(11A) S4D120		D50A	I/E	GKO-06-I/E	8PCS	
6110-13-1311 6110-13-1310	4D130-1&S4D130-1(11A) S4D120		D50A	I/E		8PCS	
6140-19-1310	4D92	4		I/E	GKO-07-I/E	8PCS	
6142-19-1310	4D94	4		I/E	GKO-08-I/E	8PCS	
6210-16-1340 6212-16-1440	S6D140			I/E	GKO-09-I/E	12PCS	
6162-16-1341 6162-13-1341 6162-16-1341 6162-13-1341	S6D170-1(15A) S/SA/SAA6D170E-2(15B) SA6D170-1(15C) SA6D170-1(15D) SA6D170-A-1T(15E) SAA6D170E-2A(15F) SA8V170-1(16A) SA12V170-1(17A) SA12V170E-2A(17B)			I/E I/E	GKO-10-I/E	12PCS	

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OEM NO	Engine Type	Cyl/V	Description	I/E	EP NO	SET/PCS	
6136-19-1331/30	4D105-5H,5J,5T(5B) 4D105-5H,5T(5C) 6D105-1(6A) S6D105-1(6C)			I/E	GKO-11-I/E	8or12PCS	
6150-12-1341(IN) 6150-12-1351(EX) 6130-12-1351	6D125-1(10A) S6D125-1(10C)(10D)(10E) SA6D125-1(10H)			IN EX EX	GKO-12-I GKO-12-E	12PCS	
6107-11-1341 6127-11-1341	S4D155-4(14);4D155 S6D155-4(14A) SA6D155-4(14B)	L6 L6	19.3L/1175 19.3L	I/E	GKO-13-I/E	8or12PCS	
2016-11005 6127-11-1311	S6D155			I/E	GKO-14-I/E	12PCS	
6127-11-1341	S4D155			I/E	GKO-15-I/E	8PCS	
6221-19-1311 6221-19-1340	S6D108-1(7A) SA6D108-1(7B) SAA6D108E-2A			I/E I/E	GKO-16-I/E	12PCS	
CU3018818	KT19 KT38 KT50	6cyl 12cyl 16cyl	1150/18.8L 2300/38.8L 3067/50.0L	I/E	GKO-17-I/E	12PCS	
3201311 3202210	KT19 KT38 KT50	6cyl 12cyl 16cyl	1150/18.8L 2300/38.8L 3067/50.0L	I/E	GKO-18-I/E	12PCS	
6212-16-1440	S6D140-1(12A) SA&SAA6D140E-2(12B) SA6D140-1(12C) SA12V140-1(13A) SAA12V140-1(13B) SDA12V140-1(13C) SAA12V140ZE-2(13D)	L6 V12		I/E I/E	GKO-19-I/E	12PCS	
6736-18-1310 6736-19-1310(60.5)I 3904408 4429408	S4D102E-1(3A)(3B)(3C) S4D102E-1AB(3E) SAA4D102E-2B(3F) S6D102E-1AA(4A)(4B) SA6D102E-1AA(4C)(4D)	4 6	3.9L/239 5.9L/359	I/E IN	GKO-20-I	8or12PCS	
6736-19-1410(52)EX 3904409 4429409	SAA6D102E-2(4E) CUM 4BT CUM 6BT			EX	GKO-20-E		
6610-11-1311	NH220-C1/6D130			I/E	GKO-21-I/E	12PCS	
6710-11-1311 3006456 3050369	N/NTA/NT855- 1(19A,B,C) VT12/1710	L6 V12	14.0L/855 28.0L/1710	I/E	GKO-22-I/E	12PCS	
3073512 3328785	LTA10 L-10	L6 24V	10.0L/611	I/E	GKO-23-I/E	12PCS	
	M11(ISM,QSM)	L6/24V	11.0L/671				

MAZDA-FORD

OEM NO	Engine Type	Cyl/V	Description	I/E	EP NO	SET/PCS	
8173-23-090 FORD USA FORD USA FORD USA	E1/E5/D5		1.1/1490cc		GMA-01-I/E	8or12PCS	
	F6 85~99		1.6				
	F8 71~84		1.8				
	F8 87~97	L4/8V	1.7				
	MA	L4/12V	1.9	I/E			
	MA B-Serie	L4/12V	2.0	I/E			
	FE;FE18/FE58	L4/8V	2.0				
	FE60/61,FE Kat		2.0				
B6Y0-10-280 B6Y0-10-290 B6Y1-10-281	B6		1598cc	I/E	GMA-02-I/E	8or16PCS	
	B6/D/E/F	L4/8V	1598cc	I/E			
	B68/B69/B6Z	L4/16V	1598cc	I/E			
	KIA B6;TC88	L4/16V	1.6i	I/E			
	B1/B116		1.1	I/E			
B6Y0-10-290	B3		1.3	I/E	GMA-02-I	12PCS	
				IN			
JEY1-10-290	JE30/39;CE30	V6/18V	2954cc		GMA-02-E	Inx2;EXx1	
	JE06;JE07	V6/18V	2954cc	EX			
F801-23-090 F801-23-200	FE;FEH5	L4/8V	1998cc	I/E	GMA-03-I GMA-03-E	8or12PCS	
	FE	12V	1998cc	IN			
	F2/F6	L4/8V	2184cc/1.6	EX			
	F8(82~97)		1.8	I/E			
RF01-10-280 MRF01-10-280 11116-78E01 011-10-280	RF;RF-CX;RF-N(~95)		2.0D/TD	IN	GMA-04-I	8PCS	
	RF46;RF OHC		2.0D	IN			
	R203/R207/R290		2.2D				
	KIA R2		2.2D				
RF01-10-290 011-10-290	MAZ E-Serie		2.2D	EX	GMA-04-E		
RF01-10-280 MRF01-10-280 11116-78E01 011-10-280	RF;RF-CX;RF-N(95~)		2.0D/TD	IN	GMA-05-I	8PCS	
	KIA RF(~98)		2.0TD	IN			
	DGKI-09-E						
	DGSU-10-E			EX			
RFJ5-10-290 MRFJ5-10-290/291 11115-78E00					GMA-05-E		
MRF01-10-104	RF(98~)		2.0TD	IN	GMA-06-E		
	DGKI-09-E			EX			
SE01-10-104 SG01-10-104	T3000/T3500		3.0D		GMA-07-I/E	8PCS	
	HA E-Serie		3.5D	I/E			
0636-10-104B E3TZ-6510A	E2700/E2500				GMA-08-I/E	8PCS	
	XB E-Serie		2.7	I/E			
0221-10-280/290 0305-10-280/290 0305-23-090	MA(or Use 8173-23-090)		1.9/2.0		GMA-09-I/E	8PCS	
	E3/E5(80~89)		1.3/1.5	I/E			
	NA		1587cc	I/E			
	VC;VB;H816;H817	8v	1.8				
	HE3/HEE(or Use 8173-23-090)		2.0				

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OEM NO	Engine Type	Cyl/V	Description	I/E	EP NO	SET/PCS	
0370-10-280(IN)	PC;TC;UC		1.0/1.3/1.4	EX	GMA-09-E	IN/EX	
0552-10-105A 0552-10-104 0553/0603-23-200	ND1500		1.5/2.0	I/E	GMA-10-I/E	8PCS	
	UA;VA Forklift		2.0	I/E			
	UA B-Serie						
TF01-10-281A	T4000;TF			I/E	GMA-11-I/E	8PCS	
FSY1-10-280 F32Z-6510A	FP;FP9A/FPY3		1839cc		GMA-12-I/E	12or16PCS	
	FS;FS7E/G	16V	1991cc	I/E			
	K8;K819/K838	L4/16V	1845cc	I/E			
	KF1	V6/24V	2.0	I/E			
	KL	V6/24V	2497cc	I/E			
F2Y1-23-091 F2Y1-10-280A E92Z-6510A E12Z-6510A	ZL-DE	V6/24V	1.5		GMA-13-I/E	12PCS	
	ZM	16V	1.6				
	F2;F2-C;F2-EGI;F2L8	12V	2.2				
	AM B-Serie	L4/12V	2.6	I/E			
	G6 MPV;G60	L4/12V	2606cc	I/E			
B6Z0/B620-10-280 B3Y0-10-280 E9JY-6510B	JK26	L4/12V	2.6		GMA-14-I	16PCS	
	FORD Vin L/C	L4/12V	2184cc				
	F2;F2T	8V/12V	2184cc				
	B3;B3ME		1.3	IN			
	B5;B5E	8V/16V	1.5	IN			
B6Z0-10-290 B3Y0-10-290 E9JY-6510A	B6;B6T;B6ZE	16V	1597cc		GMA-14-E	16PCS	
	B6/D/E/F/DC;B6 EGI	L4/16V	1.8				
	BP22/31;BP Kat	16V	1839cc	EX			
	BP52;BP012;BP-ZE	16V	1839cc	EX			
	DHF/DHG	16V	1.25				
B6Z1-10-280/290	J4C	V6/24V	1.3		GMA-15-I	16PCS	
	KJ;KJ-ZEM		2254cc				
	BP;BP F1;BP-ZE	16V	1839cc	IN			
	B6;B6B SC	L4/16V	1597cc				
	KIA B6 SOHC	L4/16V	1597cc	EX			
BPY0-10-290 F0CZ-6510A					GMA-15-E		
	KIA 5BP;BPD	L4/16V	1793/1839cc	I/E			
WLY1-10-280(97~) WLY2-10-280(~97)	WL;WLT(BT-50)		2.5D/TD	I/E	GMA-16-I/E	8PCS	
	B2500			I/E			
0249-10-130	PB;TB TA			IN	GMA-17-I		
0249-10-140 0259-23-081				EX	GMA-17-E		
PN11-10-280				I/E	GMA-18-I/E		

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OEM NO	Engine Type	Cyl/V	Description	I/E	EP NO	SET/PCS	
0600-10-104	E2300			IN	GMA-25-I	8PCS	
0600-10-105				EX	GMA-25-E		
0221-10-104	1500UB			IN	GMA-26-I	8PCS	
0221-10-105				EX	GMA-26-E		
6172956	N9B/C/D/F Sierra;Scorpio NEK;NCA;NSE;2VSA NSF/G/H/D		2.0i 2.0 2.0i 2.0i	I/E	GMA-27-I/E	8PCS	
81SM-9510LC	F4A/B Fiesta;Escort F6A/B/C/D/E/F/G FUC;FUA/B/C/D/G/H/J GMA;GPA;GLB;GLA;GLW JBA;JPA L4B;L6B Sierra LHA;LNA/B LJB/C/D/F LP1/2;LUA/B/C/D/H LR1;LRA/B LUG/K/J R2A;RED;R2C;R6A	16V	1.4 1.4 1.4 1.1 1.3 1.6i 1.6T 1.6i 1.6i 1.6i 1.6i 1.8	I/E	GMA-28-I/E	8PCS	
EIADDN-6510A	Dover 110(6AA);150(6CA) 2701E;2706E 2711E(255);2712E(254) 592E 2703E;2708E 2704(360T);2724E 2713E;2709E 2714E(380)		5.9D 3.9D 4.1D 3.6D 5.4D 5.9D 5.9D 6.2D	I/E	GMA-29-I/E	8PCS	
	PRZ 1000				GMA-30		
11122-10040 FORD FORD	3E/3EE SOHC 1E/1EL 2E/2EE/2EL/2ELC 4EFE 5EFE DOHC FYDA/FYJA HWDA/HXDA	12V 12V 16V 16V 16V Focus II	1456 1.0 1.3 1.3 1497 1.6 1.6	I/E	GMA-31-I/E	12or16PCS	
	SIERRA 1800			IN	GMA-32-I		
				EX	GMA-32-E		
8BA6510/B	GAS 2N;8N;9N GAS L-HEAD Vin B	V8/16V	2.0L 3.9L	I/E	GMA-33-I/E		

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OEM NO	Engine Type	Cyl/V	Description	I/E	EP NO	SET/PCS	
MD016441 MD079660 22114-21900	G13B/4G13 G15B/4G15 G11B/4G11 G12B/4G12 4G61 G4DJ;G4AJ HYU Sonata 2G23	8V/12V 8V/12V 8V 8V 8V 8V 16V 2/4V	1299cc 1468cc 1244cc 1411cc 1596cc 1596cc 2.4 550cc	IN EX	GMI-01-I GMI-01-E	8or12PCS	
MD016445 22115-21900 MD079661							
MD356013 MD079660	4G13 4G15 90~95	12V 16V	1299cc 1.5	IN IN EX	GMI-02-I GMI-02-E	12or16PCS	
MD343941							
22114-33000/10 22114-33901/10 MD126605 MD324101 MD372791	4G61 T 4G63 T;4G63-7 4G64 4G67 6G72 T;6G73 6G74 G4GR DOHC G4CN G4CP G4JS G4BP;G4JP;G4GF 420A DOHC G6AT XG300 G6CU DOHC	L4/16V DOHC V6/24V L4/16V L4/16V DOHC 16V 16V 16V V6/24V V6/24V	1597cc 1997cc 2351cc 1.8 2972cc/2.5 3497cc 1596/97 1836cc 1997cc 2351cc 2.0 1997cc 2972/181 3500/214	 IN EX	GMI-03-I GMI-03-E	12or16PCS	OD12.07 12.11
22115-33000/10 22115-33901/10 MD126608 MD372795							
MD000461 22114-11050 22114-32901	4G32/B/GS/T-C 4G33 4G36/4G35 4G30/4G41 G37B/4G37 G6AT;6G72 DOHC G4CS	L4 L4/8V 8V 8V L4/8V V6/24V L4/8V	1597cc 1.5 1.2/1.7 1.3/1.4 1755cc 2972cc 2351cc	IN IN IN EX EX EX	GMI-04-I GMI-04-E	8or12PCS	
MD000471 22115-11050							
MD185850	G6AT(HYU) SOHC 6G72 SOHC	V6/12V V6/12V	2972cc 2972cc	EX	GMI-05-E	12PCS	
MD031886 ME011244 ME031293	4D30 6D15 4D31/34 6D10/11;6D14;6D16		3.3 7.0	IN EX	GMI-06-I GMI-06-E	8or12PCS	
MD031888							
ME031293 ME011244 MD031886	4D30;31(OLD) 6D10/11/14/15 6D57(70)	OLD		I/E	GMI-07-I/E	8or12PCS	

MITSUBISHI

OEM NO	Engine Type	Cyl/V	Description	I/E	EP NO	SET/PCS	
MD020550 MD020551	4G51/4G53 G52B/4G52 G54B/T-C/4G54	4/12V 4/8V 12V/8V	1.8/2.4 1995cc 2555cc	In In EX EX	GMI-08-I GMI-08-E	8or12PCS	
MD020560 MD020561 MAZ	G63B/4G63(T) G64B/4G64 G62B/T EC26;AM1;B2600	8V 8V/12V 4/12V	1997cc 2351cc 1795cc 2555cc				
MD300702 MD172527	4G92 4G93 4G63T	16V 16V 16V	1.6 1.8 2.0	I/E	GMI-09-I/E	16PCS	
MD300702 MD172527	4G64 4G93 Pajero 4G63 Galant 6G74 G4GM Beta I G4GF Beta II	~00 ~00;4WD ~00 V6/24V 16V 16V	2351cc 1834cc 2.0 3497cc 1795cc 1975cc	IN IN EX EX	GMI-09-I GMI-09-E	12or16PCS	
MD172530 HYU HYU							
MD364870	4G64 4G93 Pajero 4G63 4G94 Pajero 6G72 6G73	00~ 00~ 00~ V6/24V V6/24V	2351cc 1834cc 2.0 1999cc 2972cc 2497cc	IN IN EX EX	GMI-10-I GMI-10-E	12or16PCS	
MD364740 MD307235							
MD357589 MD357586	4G92;4G18 4G13	16V 16V	1.6 1.3	IN EX	GMI-11-I GMI-11-E	16PCS	
MD076354 MD076358	4D65/T 4D68/T		1.8 D/TD 2.0 D/TD	IN EX	GMI-12-I GMI-12-E	8PCS	
MD050523 22114-42520 MD050527 22115-42520	4D55/T 4D56/T	L4/8V	2346cc 2.5 D/TD	IN IN EX EX	GMI-13-I GMI-14-E	8PCS	
MD010461 MD010466	4G41/2G21 Colt 1400	T-1200		IN EX	GMI-15-I GMI-15-E	8PCS	
ME051120 31101-00601	6D20 6D21/6D22 8DC2/4/7;8DC9 8DC70 6DC;10DC	V8		IN EX	GMI-16-I GMI-16-E	12PCS	
ME051122 30001-10603/2 31201-30700							
ME051122	6DB1			I/E	GMI-16-E	12PCS	
ME120085/7	6D40	24V		I/E	GMI-17-I/E	12PCS	
ME201051/501 ME200007 ME201054/504 ME200009	4M40 SOHC	L4	2835cc D	IN EX	GMI-18-I GMI-18-E	8PCS	
	4M40(TD);Pajero	90~00	2.8TD	I/E	GMI-19-I/E	8PCS	
30601-20600	S4E;4DQ;4DQ1			I/E	GMI-20-I/E	8PCS	
31301-10601 30601-25600 30301-10600	4DQ5 4DR5			I/E	GMI-21-I/E	8PCS	

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OEM NO	Engine Type	Cyl/V	Description	I/E	EP NO	SET/PCS	
13212-53J60	C18DET CA18DET SR20DE	16V 16V Gti 16V Gti	1.8T 1809cc 2.0	IN IN IN	GNI-12-I	16PCS	
13213-53J60	SR20DEEGIKat		2.0	EX	GNI-12-E		
13212-58S60	VQ30DE VQ35DE	V6/24V V6/24V	2988cc 3498cc	IN IN	GNI-13-I	12or16PCS	
13213-44F60	CA16DE	L4/16V	1597cc	EX	GNI-13-E		
13213-31U60	CA18DE	L4/16V	1809cc	EX			
13212-21010	L13/L14		1.3/1.4	IN	GNI-14-I	12PCS IN/EX	
13212-21011	L16/S		1595cc	IN			
13213-21010	L18/S/T		1770cc	EX	GNI-14-E		
13213-21011	L20/A/E/P/S/B		1952cc	EX			
13212-U0110	L24/E/S	L6/12V	2393cc	I/E			
	L26	L6/12V	2565cc				
	L28/E/T	L6/12V	2753cc				
	LD20/LD28		2.0/2.8				
	Z20E/S		1952cc				
13212-W0510/00 13212-W0410 12010-30/83W01	Z20 Z24/Z24I Z22/E	L4/8V	2.0 2389cc 2187cc	IN IN	GNI-15-I	8PCS	OD:12.24 OD:12.04
13213-W0500-10				EX	GNI-15-E		OD:12.24 OD:12.04
				I/E	IN/EX		
13212-V5010/11	VG30 VG30T/ET/E VG33E	V6/12V V6/12V	2960cc 3.3L	IN IN	GNI-16-I	12PCS	
13213-V5010				EX EX	GNI-16-E		
13212-53Y60	GA13DS GA14S/DS/DE GA15DS GA16I/DE/DS		1.3 1.4 1.5 1597cc	IN IN IN IN	GNI-17-I	16PCS	
13213-53Y60	GA18DE	16V	1.8				
	QG15DE	16V	1.5	EX	GNI-17-E		
	QG16DE		1.6	EX			
	QG18DE		1809cc	EX			
	SR18DE/Di		1.8	EX			
OK30E-10-281	1.5DC/1.6DC	L4/16V	1493/1594cc	I/E	GNI-17-I/E	16PCS	
13212-77A60	GA161 SOHC	L4/12V	1597cc	IN	GNI-18-I	12PCS	
13213-77A60				EX	GNI-18-E		
13211-Z5001	ED30 FD6(T)	L6	3.0D	I/E	GNI-19-I/E	12PCS	
13211/2-J6500			5.7L				
13211-J2000							
13211-V1700	SD20/SD23 SD25	L4/8V	2.0/2.3D 2488cc	I/E I/E	GNI-20-I/E	8PCS	
	SD22/SD33		2.2/3.3L	IN	EX OE:13213-V1700		

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OEM NO	Engine Type	Cyl/V	Description	I/E	EP NO	SET/PCS	
13212-C6000/1	P40 Forklift	L6	4.0	IN	GNI-21-I	8PCS	
13212-58001							
13213-C6000/1				EX	GNI-21-E		
13213-58001							
13212-43G01	TD23(T) TD25/T/TI TD27/E/T TD42/T	L6	2.3TD 2.5TD 2.7TD 4.2L	I/E	GNI-22-I/E	8or12PCS	
13212-54T00/1							
13212-7F440	TD27T/ETI		2.7TD	I/E	GNI-23-I/E	8PCS	
13212-40F60	KA24E/DE SOHC VH45DE	L4/12V V8/32V	2389cc 4494cc	IN	GNI-24-I	12PCS	
13212-60U60				IN			
13213-40F60				EX EX	GNI-24-E		
13212-40F60	KA24DE DOHC	L4/16V	2389cc	IN	GNI-25-I	16PCS	
13212-60U60				IN			
13213-53F60				EX	GNI-25-E		
13212-01B11	MA10S		1.0	IN	GNI-26-I	8PCS	
13213-01B11	MA12S		1.2	EX	GNI-26-E		
13212-AD260	YD22/DDT/DDTI		2.2	IN	GNI-27-I	8PCS	
13213-AD260	YD25DDTI		2.5	EX	GNI-27-E		
13212-58001	P680;L-60			IN	GNI-28-I	8PCS	
13213-58001				EX	GNI-28-E		
13212-F6560	VG30DE	V6/24V	2960cc	IN	GNI-29-E	12PCS	
13213-F6560	VG30DETT	V6/24V	2960cc	EX			
	VE30DE	V6/24V	2960cc	EX			
13211-95000/1	ND6			I/E	GNI-30-I/E	12PCS	
13211-90005	UD4/5;UD6(681) High Cam	4PCS/cyl		I/E	GNI-31-I/E	16PCS	
13212-95005	RE8/RF8			IN	GNI-32-I	16PCS	
13212-97009							
13211-96009	RF8			EX	GNI-33-E	16PCS	
13211-96007							
13212-97000	UD/RD8(old) MD6;NE6			IN	GNI-33-I	12or16PCS	
13211-97001/2	RD8-OLD RE8/PD6 PE6/PE6T			EX		12or16PCS	
13212-97001/7	RD8/RD10(T) RE8/RE10			IN		16PCS	
13212-96001	PD6/PD6T PE6/PE6T			IN		12PCS	
13212-96011	PF6T PE6T PD6			IN		12PCS	
13212-96009							
13211-96009				EX			
13211-96007							

NISSAN

OEM NO	Engine Type	Cyl/V	Description	I/E	EP NO	SET/PCS	
13212-96002	PD6T			IN	GNI-34-E	12PCS	
13211-96000(IN)				EX			
13212-03J10	TB42 Forklift	L6	4.2L	IN	GNI-35-I	12PCS	
13213-03J10				EX	GNI-35-E		
13212-ED060	HR15DE HR16DE	4/16V	1498cc	IN	GNI-36-I	16PCS	
13213-ED060		4/16V	1598cc	EX	GNI-36-E		
	M24CB			IN	GNI-37-I		
				EX	GNI-37-E		
	2.4 12V			IN	GNI-38-I	12PCS	
				EX	GNI-38-E		
13212/3-24WG0	J18			I/E	GNI-39-I/E		
	G18/20			IN	GNI-40-I		
				EX	GNI-40-E		
	RB30			IN	GNI-41-I		
				EX			
	H22			I/E	GNI-42-I/E		
	SD22	USE PD6		I/E	GNI-43-I/E		
13212-8P360	MR20DE/QR20DE QR25DE	16V	2.0	IN IN	GNI-44-I	16PCS	
13213-6N260		16V	2.5	EX EX	GNI-44-E		
13212-41B60	CG10DE/GE CG13DE/GE CGA3DE CR10DE	16V	1.0	IN IN IN	GNI-45-I	16PCS	
		16V	1.3				
		16V	1.4				
		16V	1.0				
13213-41B60	CR12/CR12DE CR14DE	16V	1.2	EX	GNI-45-E		
		16V	1.4				

NISSAN

OEM NO	Engine Type	Cyl/V	Description	I/E	EP NO	SET/PCS	
13213-00QAA 77 00 109 151 77 00 109 151	F4R720/2	16V	2.0	I/E I/E	GNI-46-I/E PLATINA 1.6	16PCS	
	D4F712/720/722	16V	1.2				
	K4M752	16V	1.6				
	F4R720	16V	2.0				
	D4F702/4	16V	1.2				
	D4F712/4/6	16V	1.2				
	D4F740/764/772	16V	1.2				
	F4P720/2	16V	1.8				
	F4P760/770/1/3/4/5	16V	1.8				
	F4R700/701	16V	2.0				
	F4R712/3/4/5	16V	2.0				
	F4R730/6/8	16V	2.0				
	F4R740/1/4/6	16V	2.0				
	F4R760/1/2/3/4/6	16V	2.0				
	F4R770/1/4/6	16V	2.0				
	F4R780/4/7	16V	2.0				
	F4R790/1/4/5/6/7	16V	2.0				
	F4R811/830	16V	2.0				
	K4J700/750	16V	1.4				
	K4J712/3/4	16V	1.4				
	K4J730/2	16V	1.4				
	K4J770/780	16V	1.4				
	K4M700/1/4/8	16V	1.6				
	K4M748/710/1/6	16V	1.6				
	K4M720/4;740	16V	1.6				
	K4M750/2/3	16V	1.6				
	K4M760/1/4	16V	1.6				
	K4M782/790	16V	1.6				
	K4M800/1/4;824	16V	1.6				
	K4M690	16V	1.6				
	MR20DE/SYLPHY	16V	2.0	EX	GNI-47-E		

SUBARU

[illegible]**SUZUKI**

OEM NO	Engine Type	Cyl/V	Description	I/E	EP NO	SET/PCS	
11115-82000-001 91118-398(BEF)	G13BB/EF13		1.3 4WD	I/E	GSU-01-I/E	8PCS	
	F10D;G10A/B		1.1/1.0	I/E			
	F8B/ST100	8V	0.8	I/E			
	G13K;G13A/BA	8V	1298cc	I/E			
	G16A/KC		1.6	I/E			
	FA10A		1.0	I/E			
11116-73010	F10A		1.0	IN	GSU-01-I	8PCS	
			EX	GSU-01-E			
11115-85FA0	H25A Grand Vitara	V6 24V	2494cc		GSU-02-I/E	12or16PCS	
	H27A/B	V6 24V	2737cc	I/E			
	J18A;J20/A	L4/16V	1.8GT/2.0				
11115/6-83512	F6A	12V		I/E	GSU-03-I/E	12PCS	
11115-81400	F6A			I/E	GSU-04-I/E	12PCS	
11115-54G00	M15A/M16A				GSU-05-I/E	16PCS	
	M16A	16V	1.5/1.6	I/E			
	M15A	16V	1.6				
11115-60B11/10 GMC 96065425	G13BB	16V 4WD	1295cc		GSU-06-I/E	16PCS	
	G16B/KV	16V	1588cc	I/E			
	G10	L3/SOHC	993cc				
11115-30D00				I/E	GSU-07-I/E		
11115-62D00	G13A/B		1.3 4WD		GSU-08-I/E	16PCS	
11115-62D00-001	G13BA	L4/16V	1.3	I/E			
GMC 91111754	G13K	16V	1298cc				
11115-86500-001	G13BB		1.3				
RF01-10-280 MRF01-10-280 11116-78E01 011-10-280	RF;RF-CX;RF-N(95~) KIA RF(~98) DGKI-09-E DGSU-10-E		2.0D/TD 2.0TD	IN IN	GSU-09-I	8PCS	
RFJ5-10-290 MRFJ5-10-290/291 11115-78E00				EX	GSU-09-E		
11115-77G00-001 4709231(OPE) 93194080	F6A K10B	4WD 12V	0.6/0.7 1.0	I/E	GSU-10-I/E	12PCS	
11115-73G01	K10A K12A	4WD	1.0 1.2	I/E	GSU-11-I/E		

TOYOTA

OEM NO	Engine Type	Cyl/V	Description	I/E	EP NO	SET/PCS	
11122-56010	B;BU		3.0 D	I/E	GTO-01-I/E	8PCS	
11122-61011/10	F/3FE/3F 2F		3878/3955 4230	IN	GTO-02-I	8PCS	
11126-61011/10				EX	GTO-02-E		
11122-56030/20	13B/3B 2B/14B		3.4 D 3.2 D	I/E	GTO-03-I/E	8PCS	
11122-46010	H/2H 2J	2481	3576/3980	IN	GTO-04-I	8PCS	
11126-46010				EX	GTO-04-E		
11122-24020	2K/3K/3KC/3KH	8V	1.0	IN	GTO-05-I	8PCS	
11126-24020	K/4K/4KC/5K	8V	1.1/1.3/1.5	EX	GTO-05-E		
11126-24020	1C/1CL/1CTL 2C/2CL/2CTLC	8V	1.8 D 2.0 D	I/E	GTO-06-I/E	8PCS	
11122-31012/10	2R	Forklift	1.5L	I/E	GTO-07-I/E	8PCS	
11122-44010	5R(OLD)	Forklift	2.0	I/E	GTO-08-I/E	8PCS	
11122-44011	5R(NEW)	Forklift	2.0	I/E	GTO-09-I/E	8PCS	
11122-33011	8R/8RC 16R 18R/18RC/18RG 6R/7R	SOHC 8V SOHC	1858 1.8 1968 1.7/1.6	IN	GTO-10-I	8PCS	
11126-33011				EX	GTO-10-E		
11122-23010/11 11122-23020 11122-31020	3P/4P FORKLIFT 12R(4R,9R)		1345 1.5L 1.6	I/E	GTO-11-I/E	8PCS	
11122-25021/20	2T/2TB/2TC T/3T/3TC 12T/13T		1588 1.4/1770 1.6/1.8	IN	GTO-12-I	8PCS	
11126-25021/20				EX	GTO-12-E		
11122-76020	D/2D			I/E	GTO-13-I/E	8PCS	
11122-54011/10 11126-54011/10	2L/2LT/2LTE/EH L		2.4 D 2.2 D	I/E	GTO-14-I/E	8PCS	
11122-41020	2M SOHC	L6/12V	2253cc	IN	GTO-15-I	12PCS	
11126-41021	4M/4ME SOHC	L6	2563cc	EX			
11122-41020	5ME 4M/4ME SOHC	L6/12V	2759cc	IN	GTO-16-I	12PCS	
11126-45020		L6	2563cc	EX	GTO-16-E		
11122-76004	5F/11Z/1Z	6cyl		I/E	GTO-17-I/E	8PCS	
11122-15030	4AF/4AFE DOHC	16V	1587	I/E	GTO-17-I/E	16PCS	
	7AFE DOHC	16V	1762				
	G4EK II/G4ED DOHC	16V	1495				
11122-15030	5EFE DOHC	16V	1497	IN	GTO-18-I	16PCS	
11122-10040				EX	GTO-18-E		

TOYOTA

OEM NO	Engine Type	Cyl/V	Description	I/E	EP NO	SET/PCS	
11122-74030 11122-15030 94847881	3SF/3SFE 5SFE 2JZGE;2JZGTE DOHC	4/16V 4/16V 24V	1998 2164 2997	IN	GTO-19-I	12or16PCS	
11122-16010/20	3SGELC DOHC	16V	1495	EX	GTO-19-E		
11122-16020/10	4AGE/C/LC 4AGZE 2VZFE;3VZFE 5VZFE	16V 24V 24V	1587 2508/2958 3400	I/E	GTO-20-I/E	12or16PCS	
11122-16020 GM94844753	2TZFE/2TZFE DOHC 2RZFE SOHC	16V 16V	2438 2438	IN	GTO-21-I	16PCS	
11126-50040/50	3RZFE DOHC	16V	2693	EX	GTO-21-E		
11126-50040/50	1UZFE	V8/32V	3969	I/E	GTO-21-I/E	16PCS	
11122-43010	5MGE	DOHC	2759	I/E	GTO-22-I/E		
11122-42010	5MGE	DOHC	2759	IN		12PCS	
11122-16020	7MGE/7MGTE DOHC	24V	2954	EX	GTO-23-E		
11122-58010	15B			IN	GTO-24-I		
11126-58010				EX	GTO-24-E		
11122-15011 11122-15020	1AC/3AC/3A/3AU 3ACU/LU/3AL/LU	SOHC SOHC	1452 1.5	IN IN	GTO-25-I	8PCS	
11126-15011 11126-15020	4AC/4ALC/4ALU 2A/2AL/LU/2ELU		1587 1.3	EX EX	GTO-25-E		
8-94239-423-0 OPE 11122-15020	4EC1/T;GEMINI 15D/15DT 17D/TD;X17D/T 4EE1		L4 L4 L4	1.5D/49kw 1.5D/TD 1.7D/44kw	I/E I/E I/E		GTO-26-I/E
11126-15020	1GE/GS130			IN	GTO-27-I		
11126-70020				EX	GTO-27-E		
11122-68010	12HT/2H		4.0 TD	I/E	GTO-28-I/E	8PCS	
11122-38020/21 11122-35020 11122-38010 11122-28021	20R/22R/22RN 22REC 21R/21RC/RU 22RE/22RTEC SOHC	SOHC 8V	2189/2366 TURBO 2.0 2366cc	I/E I/E	GTO-29-I/E	8PCS	
11122-64010/1	2CE/2CT/2CTE 3CTE (1C/2C)		2.0 D 2.2 D	IN	GTO-30-I	8PCS	
11126-64030 11126-64010				EX	GTO-30-E		
11122-10040 FORD FORD	3E/3EE SOHC 1E/1EL 2E/2EE/2EL/2ELC 4EFE FYDA/FYJA HWDA/HXDA	12V 12V 16V 16V Focus II	1456 1.0 1.3 1.3 1.6 1.6	I/E	GTO-31-I/E	12or16PCS	

TOYOTA

OEM NO	Engine Type	Cyl/V	Description	I/E	EP NO	SET/PCS	
11122-40010	3R/3RC		1898	IN	GTO-32-I	8PCS	
11126-40010				EX	GTO-32-E		
11122-88320	3SGELC/3SGTE	16V	1998	I/E	GTO-33-I/E	16PCS	
11122-65020	3VZE SOHC	V6/12V	2958	I/E	GTO-34-I/E	12PCS	
11122-63020	2S/2SE/2SELC	SOHC	1995	IN	GTO-35-I	8PCS	
11126-63020	4Y/4YEC	8V	2.2	EX	GTO-35-E		
11122-63020	3Y/3YC/3YPU/PE		1998	IN	GTO-36-I	8PCS	
11122-71020			1998	EX	GTO-36-E		
11122-71020	1Y/2Y/3YEC	Forklift	1998	IN	GTO-37-I	8PCS	
11126-71020	4Y/4YEC		2237	EX	GTO-37-E		
11122-54020	1HDFE/FT/FTE	1HDT	4.2 TD	I/E	GTO-38-IE	8PCS	
	1HZ		4.2 TD				
	3L	Hiace	2.8 D				
11122-1140	1W/WO4D/WO6D			I/E	GTO-39-I/E	8PCS	
11122-21010 11122-21020 0221.28	1KRFE	16V	1.0	I/E	GTO-40-I/E	16PCS	
	3SZVE/K3VE2		1.5/1.3				
	1SZFE/2SZFE		1.0/1.3				
	2NZFE/1NZFE,FXE		1.3/1.5				
11122-75010/20	1RZ	HIACE	2.0	I/E	GTO-41-I/E	8PCS	
11122-28010	1AZFE/FSE	L4/16V	2.0	IN	GTO-42-I	16PCS	384× ϕ 1034 × ϕ 55
11126-20020				EX	GTO-42-E		405× ϕ 1035 × ϕ 55
11122-76001 11126-76004	1D/1DZ			I/E	GTO-43-I/E	8PCS	
11122-66020	1FZFE	V6 24V	4476	I/E	GTO-44-I/E	12PCS	
11122-20020 11122-22030	1ZZFE/3ZZFE 4ZZFE	16V 16V	1.8/1.6 1.4	I/E	GTO-45-I/E	16PCS	
11122-20020	1MZFE 2UZFE 1UZFE 3UZFE	V6 24V V8/32V V8/32V V8/32V	2995 4663cc 3969cc 4293cc	IN	GTO-46-I	12or16PCS	
11126-20020				EX	GTO-46-E		
11126-20020	2AZFE/2AZFXE	L4/16V	2362cc	I/E	GTO-47-I/E	16PCS	
11122-88600	2ZZGE	16V	1.8	I/E	GTO-48- I/E	16PCS	
11122-88460	3SGE	16V	2.0	I/E	GTO-49- I/E	16PCS	
11122-30020	1KDFTV 1NDTV MINI W17		3.0 D-4D 1.4 D-4D 1.4 D	I/E	GTO-50- I/E		
11122-75020				I/E	GTO-51- I/E		
11122-67020	42× ϕ 13× ϕ 8			I/E			

YANMAR

OEM NO	Engine Type	Cyl/V	Description	I/E	EP NO	SET/PCS	
	2T,3T			I/E	GYA-01-I/E		
127616-11160	6CH-DT CH255			IN	GYA-02-I		
127616-11170				EX	GYA-02-E		
126650-11160	6HA-HT 6HAL-TN			IN	GYA-03-I		
126650-11170				EX	GYA-03-E		
126634-11161	6HA-DT			IN	GYA-04-I		
126634-11171				EX	GYA-04-E		
148616-11170	6LA-DT;6LAH-UTE			I/E	GYA-05-I/E		
	TF60/90/85			I/E	GYA-06-I/E		
	3TN100			IN	GYA-07-I		
				EX	GYA-07-E		
129150-11810	4TNE98			I/E	GYA -08-I/E		
	4D94E			IN	GYA-09-I		
				EX	GYA-09-E		
11900-11810				I/E	GYA-10-I/E		
M111030093	TS180C			I/E	GYA-11-I/E		
	ER20			I/E	GYA-12-I/E		
103854-11160	TS155/180			I/E	GYA-13-I/E		
106100-11160 105282-11160	TS50/60/70	YSE8,YSM8,YSB8		I/E	GYA-14-I/E		
105582-11160	TS105/130	YSE12,YSM12,YSB12		I/E	GYA-15-I/E		
	6CT			I/E	GYA-16-I/E		
129150-11810	4TNE98/94;4TNV98			I/E	GYA-17-I/E		
120130-11860	4TNE84			IN	GYA-18-I		
129150-11810				EX	GYA-18-E		
	4TN84			IN	GYA -19-I		
				EX	GYA -19-E		
152323-11160	S165 S165L-T/ST			IN	GYA-20-I		
152623-11171				EX	GYA-20-E		
YA990010A 146613-11160	S185-T M200L-UT/SN M200L-DT			IN	GYA-21-I		
YA990020A 146613-11170				EX	GYA-21-E		
YA1000200 147644-11150	M220 M220L-EN			IN	GYA-22-I		
YA1000300 147644-11180				EX	GYA-22-E		
YA0100300 135602-11162	KD/KL 6KFL-HT DL20			IN	GYA-23-I		
YA0100400 135210-11172				EX	GYA-23-E		

YANMAR

OEM NO	Engine Type	Cyl/V	Description	I/E	EP NO	SET/PCS	
139653-11161/11850	6UAL-ST/UT T220L-UT			IN	GYA-24-I		
139653-11150/2/3				EX	GYA-24-E		
S6A3001	6CL			I/E	GYA-25-I/E		
137600-11520/220	6MAL			IN	GYA-26-I		
137600-11170	HT/HTS			EX	GYA-26-E		
YA110020A 138613-11160	G250-EH GL-ST/6GL-UT		6GL-HT I/E	IN	GYA-27-I		
YA110030A 138603-11172/70	G250-EH GL-ST	SGL-UT/ET		EX	GYA-27-E		
YA110070A 138603-11171	6GL-UT	138653-11170		EX	GYA-28-E		
	T240			IN			
YA120020A				EX	GYA-29-E		
YA1400200	DS26			IN	GYA-30-I		
				EX	GYA-30-E		
YA140050A	T260			EX	GYA-31-E		
YA140050A				EX			
YA180010A	6N21L			IN	GYA-32-I		
127610-11150	6CH-HT			EX	GYA-33-I		
127610-11160				IN	GYA-33-E		
YA070020A 137676-11180	6MAL-DT			IN	GYA-34-I		
YA070030A				EX	GYA-34-E		
YA130040A 153624-11360	Z280			EX	GYA-35-E		
126616-11170	6KH(M)-TE			I/E	GYA-36-I/E		
136600-11161	RAL			IN	GYA-37-I		
	CH 1-330			I/E	GYA-38-I/E		
	LD			IN	GYA-39-I		
				IN			
				EX	GYA-39-E		
YA9910000	6NY16L			IN	GYA-40-I		
YA9910100				EX	GYA-40-E		
YA9914300	6NY16			IN	GYA-41-I		
142613-11160	Z280			IN	GYA-42-I		
153623-11170				EX	GYA-42-E		
119620-11801	878CC			I/E	GYA-43-I/E		
	388						
119260-11800	366			I/E	GYA-44-I/E		
119260-11110							
	TF160			I/E			
	TS190			I/E	GYA-45-I/E		
	235/353			I/E	GYA-46-I/E		
123220-11171	6GH			EX	GYA-47-E		
126634-11161	HA300			IN	GYA-48-I		
				EX	GYA-48-E		
	3TN72			I/E	GYA-49-I/E		
	3TN75			IN	GYA-50-I		
				EX	GYA 50-E		
	3TN68			I/E	GYA-51-I/E		

KUBOTA[illegible]

DAEWOO

OEM NO	Engine Type	Cyl/V	Description	I/E	EP NO	SET/PCS	
8-90502-079-0 4500633 90502642 90572642 90502181 90502079 OPEL ISU SAAB 4770269	Y22E;X22XE		2.2				
	C16SEL/XE/XEL	16v	1.6i				
	C18XE/X18XE	16v	1.8i				
	C25XE/X25XE	V6	2.5i				
	X14XE	16v	1.4i				
	X16SZR;Y16XE;Z16XE	16v	1.6i				
	F18N2	16v	1.8				
	X20DTH/DTL;Y20DTH	16V	2.0	I/E	GDW-01-I/E	12or16PCS	
	Y22DTR	16V	2.2				
	Y26SE	V6	2.6				
	Z14XE/XEP	16v	1.4				
	Z20LEH/L/R/T	16v	2.0 T				
	B258I	V6/24V	2.5				
	B308I	V6/24V	3.0				
	D223L;X22DTH		2.2 TD				
8-90502-079-0 90572642	X22SE		2180cc				
	T22SED	16v	2.2				
	X20SE/SED	16V	2.0	IN	GDW-02-I		
	G15MF	16v	1.5				
8-90502-080-0 90572643 90502080 90502790	F16D/D3	16V	1.6				
	B258I	V6/24V	2498cc			12or16PCS	
	B308I/E(T)	V6/24V	2961cc				
	GMC 181R/B	V6/24V	3.0	EX	GDW-02-E		
	GMC3.2-DC24V	V6/24V	3.2				
	C18SED;T18SED	16V	1.8				
11115A-70B00	T20SED/4;M161.943		2.0				
	B10S/S1		1.0				
	B12S1		1.2	I/E	GDW-03-I/E		
96103034 96336671 GMC	F8C/CV Matiz;Tico		0.8				
	F14D3/S3	16V	1.4				
	A15MF/SMS	16V	1.5	I/E	GDW-04-I/E	16PCS	
606 053 02 30 111 053 11 29 MBZ	A16DMS	16V	1588/1598				
	E60 AMG						
	500E AMG		W124				
	M104.941/2/3/4/5		2799cc				
	M104.992/4/5/6	6/24V	3199cc				
	M111.920/1	6/24V	1799cc				
	M111.940/1/2/3/4/5/6/7/8	4/16V	1998cc				
	M111.955/6/7		1998cc	I/E	GDW-05-I/E	12or16PCS	
	M111.960/1	4/16V	2199cc				
	M111.970/3/5/4/7/8	4/16V	2295cc				
	M111.981/2/3/4	4/16V	2295cc				
	M112.943	4/16V	3199cc				
	E20	6/18V	3.2				
	M104.992/5;M111.970	V6	2.3				
	M104.992/5;M111.970						
	M161.973						

HYUNDAI

OEM NO	Engine Type	Cyl/V	Description	I/E	EP NO	SET/PCS	
MD016441 MD079660 22114-21900	G13B/4G13	8V/12V	1299cc	IN	GHY-01-I		
	G15B/4G15	8V/12V	1468cc				
	G11B/4G11	8V	1244cc				
	G12B/4G12	8V	1411cc			8or12PCS	
MD016445 22115-21900 MD079661	4G61	8V	1596cc	EX	GHY-01-E		
	G4DJ;G4AJ	8V	1596cc				
	HYU Sonata	16V	2.4				
	2G23	2/4V	550cc				
MD356013 MD079660	4G13	12V	1299cc	IN	GHY-02-I		
	4G15 90~95	16V	1.5	IN		12or16PCS	
MD343941	2G23/T120SS 3G82/4G14B			EX	GHY-02-E		
22114-33000/10 22114-33901/10 MD126605 MD324101 MD372791	4G61 T		1597cc				
	4G63 T;4G63-7		1997cc		GHY-03-I	16PCS	OD:12.07 12.11
	4G64		2351cc				
	4G67	L4/16V	1.8				
	6G72 T;6G73	DOHC	2972cc/2.5				
22115-33000/10 22115-33901/10 MD126608 MD372795	6G74	V6/24V	3497cc				
	G4GR DOHC	L4/16V	1596/97	IN			
	G4CN	L4/16V	1836cc	EX			
	G4CP	DOHC	1997cc				
	G4JS	16V	2351cc				
	G4BP	16V	2.0		GHY-03-E		OD:12.07 OD12.11
	G4JP;G4GF	V6/24V	1596cc				
	G4CR	V6/24V	2972/181				
	G6AT XG300		3500/214				
	G6CU DOHC						
22114-11050 22114-32901 MD000461	4G30		1.3	IN	GHY -04-I		
	4G32/33/36	L4/8V	1597/98				
22115-11050 MD000471	G32B TURBO	L4/8V	1755/108			8or12PCS	
	4G37	V6/12V	2972/181	EX	GHY-04-E		
	6G72 SOHC	L4/8V	2351/143				
	4G64	V6/12V	2972/181				
MD185850	6G72	V6/12V	2972/181	EX	GHY -05-E	12PCS	
	G6AT	V6/12V	2972/181				
22114-23901	G4GC/G4GF	16V	2.0/102kw	IN	GHY-06-I		
	G4GM	16V	1.8/94kw			16PCS	
22115-23901	G4GR	16V	1.6/84kw	EX	GHY-06-E		
	G6BA	4WD	2.7/129kw				
22114-32911				IN	GHY-07-I		
22115-32911	G4CS	4WD	2.4/84kw	EX	GHY-07-E	8PCS	

HYUNDAI

[illegible]

KIA

OEM NO	Engine Type	Cyl/V	Description	I/E	EP NO	SET/PCS	
13212-53Y60 OK30E-10-281	1.5DC RIO(01~02) 1.6DC RIO(03~05)	L4/16V L4/16V	1493cc 1594cc	I/E	GKI-01-I/E	16PCS	
11122-15030 HYU KIA	4AFE/7AFE G4EK II G4ED	DOHC L4/16V	1495	I/E I/E	GKI-02-I/E	16PCS	
MD300702 MD172527 22114-33000/10	4G64;4G63 4G93 Pajero 4WD 6G74 G4GM Beta I G4GF Beta II	~00 ~00 ~00	2351cc 1834cc 2.0	IN IN	GKI-03-I	12or16PCS	
MD172530 22115-33000/10 KIA		V6/24V 16V 16V	3497cc 1795cc 1975cc	EX EX	GKI-03-E		
OFE3N-10-281 OFE3N-10-291		16V	2.0	IN EX	GKI-04-I GKI-04-E		16PCS
OK711-34-580	BESTA 2.7		MO18	I/E	GKI-05-I/E	8PCS	
VN01-10-280 OK72A-32-880/90	PREGIO	NO MO16		I/E	GKI-06-I/E	8PCS	
OK65A-10-104	KIA 2.7/3.0	8V		I/E	GKI-07-I/E	8PCS	
RF01-10-280 MRF01-10-280 11116-78E01 011-10-280	RF;RF-CX;RF-N(~95) RF46;RF OHC R203/R207/R290 KIA R2		2.0D/TD 2.0D 2.2D 2.2D 2.2D	IN IN	GKI-08-I		
RF01-10-290 011-10-290	MAZ E-Serie			EX	GKI-08-E		
RF01-10-280 MRF01-10-280 11116-78E01 011-10-280	RF;RF-CX;RF-N(95~) KIA RF(~98)		2.0D/TD 2.0TD	IN IN	GKI-09-I		
RFJ5-10-290 MRFJ5-10-290/291 11115-78E00				EX EX	GKI-09-E		
MRF01-10-104 MRFJ5-10-290/291	RF(98~) DGMA-09-E		2.0TD	IN EX	GKI-10-E		
B6Z1-10-280/180 FOCZ-6510A	KIA 5BP;BPD			L4/16V	1793/1839cc		

AUDI-VOLKSWAGEN

OEM NO	Engine Type	Cyl/V	Description	I/E	EP NO	OL	OD	ID	
058 103 415 AUDI VW SEAT SKODA	AGE;ACK;ALG;AMX	V6/30V	2771cc	I/E	GAD-01-I/E	36.0	11.06	6.0	
	APR;AQO;ATQ	V6/30V	2771cc						
	ADR;AEB;AFY	8V/20V	1781cc						
	AGN;AGU	8V/20V	1781cc						
	AJL;AJP;AJQ;AJH	8V/20V	1781cc						
	AMB;AMK;AMU;ANB	8V/20V	1781cc						
	APG;APU;APP;APY	8V/20V	1781cc						
	APX;APT	8V/20V	1781cc						
	AQA;AQE;AQX	8V/20V	1781cc						
	ARK;ARZ;ARX;ARH	8V/20V	1781cc						
	ARY;ARG	8V/20V	1781cc						
	ATC	8V/20V	1781cc						
	AUM;AUQ;AUL	8V/20V	1781cc						
	AVJ;AVC;AVV;AYP	8V/20V	1781cc						
	AWT;AWU;AWV;AWC	8V/20V	1781cc						
	AWP;BAM;BEX;BFB	8V/20V	1781cc						
	BGH;BGJ	8V/20V	4.2						
	AQF;AUW;AUX	V8/32V	4.2						
	ARS;ASG;AWN	V8/32V	4.2						
	AGA;ALF;AML;AJG	6/30V	2393cc						
	APS;ARJ;AMM;APZ	6/30V	2393cc						
	ASN;BBJ	6/30V	2976cc						
	AKC;AQG	6/30V	3.7						
	AGB	6/30V	2671						
	AWA;AXW;BHD;BMB	16V/20V	1984cc						
	BLR;BLX;BLY	16V/20V	1984cc						
	BVY;BVZ	16V	1984cc						
	ARC;AVY;AUS;AZD	16V	1598cc						
	BAD;BAG;BLF;BLP	16V	1598cc						
	BCB;BGU	16V	1598cc						
	AUA;AUD;AUB	16V	1390cc						
	AFH;AFK;AKK;AKQ	16V	1390cc						
	AMK;ANM;AHW;AXP	16V	1390cc						
	AQQ;AVB;APE	16V	1390cc						
	BBY;BCA;BBZ;BLN	16V	1390cc						
	BKY;BKG;BKR	16V	1390cc						
	AZQ;BME	L3/12V	1198cc						
	BMD;AWY	L3/6V	1198cc						
	AST;AVZ	16V	1.0						
056 103 419A 1257613 VW AUDI SEAT SKODA	1Y;1Z;AAZ;AEF;AQM;ANU	8V D	1896cc	I/E	GAD-02-I/E	36.5	12.08	8.0	
	AGP;AEY;AGD;ASX;WN;WH;AEF;1X;ALH;AHU								
	AET;AEN;AAT;ABP	5/10V	2461cc						
	APL;AEU;AELACV;AXL;AVT;APA;ANJ;AVR								
	AAF;ACU;1B;BBE;BBF								
	3A;AAD;AAE;AAC	4/8V	1984cc						
	ABK;ABT;ADW;CN;2E;ADY;AGG;AKR;NC;PS								
	RT;SK;SL								
	AAH;AEJ;AFC	6/12V	2771cc						

AUDI-VOLKSWAGEN

OEM NO	Engine Type	Cyl/V	Description	I/E	EP NO	OL	OD	ID	
056 103 419A 1257613 VW AUDI SEAT SKODA	AEM	8/32V	4172cc	I/E	GAD-03-I/E	36.5	12.08	8.0	
	AAR	5/10V	2309cc						
	3D;AAS;DV;CP;DN	5/10V	2370cc						
	1G;1S;ACT;ACL;AAB								
	ABC;ACZ	6/12V	2598cc						
	DS;JN;NE;JV;ABS;ADZ	4/8V	1781cc						
	RP;1H;PG;2H;AAM;ANN;ADD;ADZ;NVP								
	ABS;ACC;DX;RF;RD;RM;RP;PV;SF								
	ABB;ABM;ADA;CR;CY	4/8V	1595cc						
	DT;JK;AFT;EZ;ABN;1C;1V;AEK;AKS;CS								
	WV;YN;JP;ME;RA;SB;RE;RF;RL;PP;PN;XX								
	YM;YP;YS;YZ;1F;EG								
	HY;KV;JT;KZ;MB;MC;RR	16V	2179cc						
	FY;FZ;NV;MN;PY;ZA;ZF	8V	1272cc						
	CK;ZC;ZB;YJ	8V	1471cc						
	WT	8V	1716cc						
	ABD;1W	8V	1391cc						
	FJ	8V	1093cc						
	AHV		1.0						
037 103 419B 037 103 418B 1037143 AUDI VW SEAT SKODA	AAH;AEJ;AFC 95~	6/12V	2771cc	I/E	GAD-04-I/E	36.5	12.07	7.0	
	AGK;ATA;AUH;AXA TDI	4/8V	2798cc						
	ABC;ACZ 95~	6/12V	2598cc						
	AXD;AXE	5/10V	2460cc						
	BAC;ALK;ACV;AXL	5/10V	2461cc						
	AAB	5/10V D	2370cc						
	AJS;AYH	V10/20V	4920cc						
	ADY;ATM;2E;AGG;AZL;BB	4/8V	1984cc						
	AEG;APK;AKR;ABF;AQY;ATU;AWG;AWF								
	AZL;AZH;AZJ;AZG;AZM								
	AFF;AFN;ALE;ALH;ALK;AE	4/8V	1896cc						
	AHF;AHH;AHU;AHL;AHB;AGR;AGP;AGD;AAZ								
	ASV;ASZ;ASK;ASY;ASX;AXB;AXC;1X;1Y;1Z								
	AEF;AEY;ATD;AUY;AXR;AVB;AVF;AQM;AKU;AWX								
	ARL;AYQ;ANA;ARM								
	BKC;BJB;BLS;BTB;BRV								
	SEAT LEON 1.9 TDI								
	ASZ	4/8V	1896 D						
	AHB;AKU;AKW	8V	1716cc						
	ADP;AFT;AKS;AKL;AEH	8V	1595cc						
	AWH;APF;AYZ;AUS;AUR;ANA;ARM;AZD;BCB			I/E	GAD-05-I/E	36.5	12.07	8.0	
	AMY;BAY	3/6V	1422cc						
	ANY;AYZ	3/6V	1191cc	I/E	GAD-06-I/E	42.5	12.07	8.0	
	Golf/Passat								
	Golf/Passat			I/E	GAD-07-I/E	36.5	11.07	7.0	
	Golf/Passat								

BMW

OEM NO	Engine Type	Cyl/V	Description	I/E	EP NO	OL	OD	ID	
11 12 1 715 373 ROL	M50B20 M;TU	6/24V	1991cc	I/E	GBM-01-I/E	43.5	12.54	7.0	
	M70B50	12/24V	4988cc						
	M40B18;ME	4/8V	1796cc						
	M40B16;ME.8	4/8V	1596cc						
	M50B25 M	6/24V	2494cc						
	M43B18 C;Gas KAT	4/8V	1796cc						
	M43B16	4/8V	1596cc						
	M43B19 TU OL/UL	4/8V	1895cc						
	M73B54	12/24V	5379cc						
	S70B56	12/24V	5576cc						
M73B54	12/24V	5379cc							
11 12 1 735 534	M50B20 T;UM;TU	6/24V	1991cc	I/E	GBM-02-I/E	43.5	12.55	6.0	
	M43B18 ;TU1	4/16V	1796cc						
	M50B25 TU	6/24V	2494cc						
	M52B25 TU	6/24V	2494cc						
	M60B30	8/32V	2997cc						
	M62B35 ;TU	8/32V	3498cc						
	M52B28 GG;TU	6/24V	2793cc						
	M54B30	6/24V	2979cc						
	M44B19	4/16V	1895cc						
	M60B40	8/32V	3982cc						
M62B44 ;TU	8/32V	4398cc							
11 12 1 280 523 11 12 1 267 676 11 12 1 267 677	M20B20 V	6/12V	1991cc	I/E I/E I/E	GBM-03-I/E	45.0	13.05 13.14 13.24	7.0	
	M20B20 L;LE;K;M1.Z7	6/12V	1991cc						
	M20B23 L;LE;K	6/12V	2316cc						
	M20B20 MO.E8	6/12V	1991cc						
	M21D24 WW;WA	6/12V	2443cc						
	M51D25 1/TU OL/UL	6/12V	2497cc						
	M51 D25 TU;UL	6/12V	2497cc						
	M20B27 MEE;ME.U	6/12V	2693cc						
	M20B27 M1Z7	6/12V	2693cc						
	M20B25 M.E;ME.8	6/12V	2494cc						
	M20B25 M1Z7	6/12V	2494cc						
	M40B18	E30	2.3	I/E	GBM-04-I/E	44.8	12.05	7.0	
	S14B23	E30	3.5						
	S38B35	E28/E24							
11 12 1 263 642	M10B16 N;V	4/8V	1573cc	I/E	GBM-05-I/E	50.5	14.05	8.0	
	114/2	4/8V	1573cc						
	116	4/8V	1573cc						
	M30B25 L;V	6/12V	2494cc						
	M30B28 L;V	6/12V	2788cc						
	M10B18 S;V	4/8V	1767cc						
	118.3 KH	4/8V	1766cc						
	M30B30 M.E7;V	6/12V	2986cc						
	M30B32 LA;M;L;LU	6/12V	3210cc						
	M30B34 MA;ME;M.45	6/12V	3430cc						
	M30B35 ME;M.E7;L	6/12V	3430cc						
	520 24V			I/E	GBM-06-I/E	37.5	12.54	7.0	
11 12 2 244 464 LRV OPE	M51D25 OL;TU OL	6/12V	2497cc	I/E	GBM-07-I/E	39.5	12.55	6.0	
	M51D25 UL;TU UL	6/12V	2497cc						
	M41 B17;D17	4/8V	1665cc						
	256T		ROVER						
	25DT/X25DT	2.5D	2.5 TD						

MERCEDES-BENZ

OEM NO	Engine Type	Cyl/V	Description	I/E	EP NO	OL	OD	ID	
312 053 02 30	OM312 OM321/322			IN	GMB-01-I	78.0	15.05	9.0	
312 053 05 30				EX					
312 053 02 30	OM314.910/917/944	4/8V	3780cc D	IN	GMB-02-I	78.0	15.05	9.0	
352 053 12 29	OM314.946/8;967	4/8V	3780cc D	IN		72.0	15.05	9.0	
312 053 05 30	OM352.907/986	6/12V	5675cc D	EX					
352 053 16 30	OM353.909	6/12V	5675cc D	EX	GMB-02-E	73.0	15.05	10.0	
352 053 20 30	OM353.959	6/12V	5675cc D	EX		67.0	15.04	10.0	
321 053 12 30	OM321			EX	GMB-03-E	78.0	15.04	10.0	
327 053 08 30	OM327	6/12V	7980cc D	IN	GMB-04-I	85.0	16.035	10.0	
327 053 14 30				EX	GMB-04-E	77.0	16.035	10.0	
346 053 09 29	OM346.911/918	6/12V	10809cc D	IN	GMB-05-I	67.5	15.05	9.0	
355 053 03 30	OM355/H,A	6/12V	11581cc D	EX	GMB-05-E	86.5	15.05	9.0	
312 053 02 30	OM353.950/1/2/3/4 OM353.970/1/5;958 OM353.959	6/12V	5675cc D	IN	GMB-06-I	78.0	15.05	9.0	
366 053 07 29		6/12V	5675cc D	IN		72.0	15.05	9.0	
352 053 22 29		6/12V	5675cc D	EX	GMB-06-E	73.0	15.05	10.0	
352 053 16 30		6/12V	5675cc D	EX					
366 053 02 30									
366 053 07 29	OM356/357 OM362.906/909 OM364.907/918/919 OM366.951 OM366.905/914,962,988	6/12v	5958cc D	IN	GMB-07-I	72.0	15.05	9.0	
352 053 22 29		6/12v	5675cc D	EX					
366 053 02 30		4/8v	3972cc D						
352 053 37 30		6/12v	5958cc D						
			5958cc D						
422 053 04 30	OM401.906/912 OM401.973,5,8,9/989 OM401.994/984 OM402.906/910,1,2,6 OM402.924/926 OM403.916/932,1,5	6/12V	9572cc D	I/E	GMB-08-I/E	67.0	18.03	12.0	
403 053 00 30		6/12V	9572cc D						
422 053 05 30		6/12V	9572cc D						
422 053 05 30		8/16V	12760cc D						
422 053 06 30		8/16V	12760cc D						
422 053 04 30	OM403.918 OM404 OM407.905/908 OM407.951/955 OM421.905,6,8/951 OM422.905/907,9,11 OM422.913/954,7,8 OM422.906/10,12 OM422.953,4,5,6,9 OM422.908/914/917 OM422.919/921,20 OM422.963 OM423.905,6,7,8 OM423.950/951 OM424A/LA OM427/H;447 OM440/446 OM441 OM442/440 OM444A/LA OM445 OM447,A/LA	10/20V	15960cc D	I/E	GMB-09-I/E	67.0	18.03	12.0	
403 053 00 30		12/24V	20911cc D						
422 053 05 30		6/12V	11040cc D						
422 053 06 30		6/12V	11412cc D						
		6/12V	10965cc D						
		8/16V	14618cc D						
		8/16V	14618cc D						
		8/16V	14618cc D						
		8/16V	14618cc D						
		8/16V	14618cc D						
		8/16V	14618cc D						
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		8/16V	14618cc D						
		8/16V	14618cc D						

MERCEDES-BENZ

OEM NO	Engine Type	Cyl/V	Description	I/E	EP NO	OL	OD	ID	
104 050 37 24	M104.980/981 M119.960	6/24V 8/32V	2980cc 4973cc	IN	GMB-10-I	35.5	13.55	8.0	
104 050 27 24	M119.970/974 M119.985	8/32V 8/32V	4973cc 4196cc	EX	GMB-10-E	38.0	13.55	8.0	
104 050 37 24	M119.960	8/32V	4973cc	IN	GMB-11-I	35.5	13.55	8.0	
104 050 57 24	M119.970/972/974 M119.985	8/32V 8/32V	4973cc 4196cc	EX					
104 050 52 24	M104.990/991 M119.960	6/24V 8/32V	3199cc 4973cc	IN	GMB-12-I	35.5	13.55	7.0	
104 050 47 24	M119.970/2/4 M119.985/971/975 M120.980/1/3	8/32V 8/32V 12/48V	4973cc 4196cc 5987cc	EX	GMB-12-E	38.0	13.55	8.0	
606 053 02 30 111 053 11 29	E60 AMG 500E AMG M104.941/2/3/4/5 M104.992/4/5/6 M111.920/1 M111.940/1/2/3/4/5/6/7/8 M111.955/6/7 M111.960/1 M111.970/3/5/4/7/8 M111.981/2/3/4 M112.943	6/24V 6/24V 4/16V 4/16V 4/16V 4/16V 4/16V 6/18V SSA SSA DAE DAE	W124 2799cc 3199cc 1799cc 1998cc 1998cc 2199cc 2295cc 2295cc 3199cc	I/E	GMB-13-I/E	37.5	12.56	7.0	
SSA	E20 M104.992/5;M111.970								
DAE	M104.992/5;M111.970 M161.973								
606 053 02 30 111 053 11 29	M166.940 M166.960/961 M166.990/1 M166.995 M266.920 M266.940 M266.960/980 OM604.915/7 OM605.910/1/2 OM605.960/2 OM606.962	4/8V 4/8V 4/8V 4/8V 4/8V 4/8V 4/8V 4/16V 5/20V 5/20V 6/24V	1397cc 1598cc 1898cc 2084cc 1498cc 1699cc 2034cc 1997cc 2497cc 2497cc 2996cc	EX	GMB-14-E	37.5	12.56	7.0	
606 053 12 29				IN					
102 050 17 24 102 050 89 24	M102.910 M102.920/1/24 M102.939 M102.961/2/3 M102.979 M102.980/1/2/7/5/9 M102.996	4/8V 4/8V 4/8V 4/8V 4/8V 4/8V	1797cc 1997cc 1997cc 1997cc 2299cc 2299cc 2299cc	N IN	GMB-15-I	46.0	14.035	8.0	
102 050 18 24 102 050 05 62	M102.945	4/8V	2299cc	EX	GMB-15-E	51.0	14.035	9.0	

MERCEDES-BENZ

OEM NO	Engine Type	Cyl/V	Description	I/E	EP NO	OL	OD	ID	
110 050 54 24 110 050 26 24	M110.921/2/3 M110.926/924 M110.981/2/6 M110.990 M110.983/5/4/7/8/9 M110.994	6/12V	2746cc	IN	GMB-16-I	51.5	14.035	9.0	
110 050 53 24		6/12V	2746cc	IN					
110 050 59 24 110 050 41 24		6/12V	2746cc	EX	GMB-16-E	54.0	15.05	9.0	
110 050 65 24		6/12V	2746cc	EX					
116 050 36 24	M117.960/1/3 M117.964/965	8/16V	4973cc	IN					
110 050 59 24 110 050 41 24		8/16V	4973cc	EX	GMB-17-E	54.0	15.05	9.0	
130 050 01 24	M108.920	6/12V	2496cc	IN	GMB-18-I	55.0	14.04	9.0	
	M114.920/80	6/12V	2496cc						
	M115.920/4	4/8V	2197cc						
	M115.923/926	4/8V	1988cc						
	M115.938/9	4/8V	1988cc						
108 050 05 24	M115.951/4/5	4/8V	2307cc	EX	GMB-18-E	45.0	15.04	11.0	
	M115.973/2	4/8V	2307cc						
	M121.940	4/8V	1988cc						
	M123.921	6/12V	2525cc						
	M129.980/2	6/12V	2496cc						
	M130.920/3/980/1/3/4	6/12V	2778cc						
	M180.945/7	6/12V	2292cc						
	M180.950/4	6/12V	2306cc						
130 050 01 24	M127.981	6/12V	2307cc	IN	GMB-19-I	55.0	14.04	9.0	
127 050 11 24				EX					
103 050 03 24	M103.940/1/2/3 M103.980/1/2/3 M103.984/5/7	6/12V	2599cc	IN	GMB-20-I	42.0	14.035	8.0	
103 050 22 24		6/12V	2962cc	IN					
103 050 07 24		6/12V	2962cc	EX	GMB-20-E	48.0	14.035	9.0	
103 050 27 24		6/12V	2962cc						
113 053 03 29 113 053 04 29	M112.916	6/18V	2597cc	I/E	GMB-21-I/E	50.0	12.55 12.75 13.16	7.0	
	M112.910/1/5	6/18V	2398cc						
	M112.920	6/18V	2799cc						
	M112.940/1/2/4/5/6	6/18V	3199cc						
	M112.947/949	6/18V	3199cc						
	M112.951/3/960/1	6/18V	3199cc						
	M112.970/2/3/5	6/18V	3724cc						
	M113.940/1/2/3/4/8	8/24V	4266cc						
	M113.960/1/2/3/4/5	8/24V	4966cc						
	M113.966/7/8	8/24V	4966cc						
	M113.980/1/2	8/24V	5439cc						
	M113.985/6/7	8/24V	5439cc						
	M113.990/1/2/3	8/24V	5439cc						
116 050 47 24	M116(79~08) M116(85~91)	8/16V 8/16V	3818cc 4196cc	IN	GMB-22-I	47.5	14.05	9.0	
116 050 53 24	M117(78~97) M117(85~)	8/16V 8/16V	4973cc 5547cc	EX	GMB-22-E	50.5	15.05	9.0	
116 050 47 24	M116	8/16V	3499cc	IN	GMB-23-I	47.5	14.05	9.0	
116 050 41 24	M117	8/16V	4520cc	EX					
616 053 03 29 611 053 15 29	OM615 OM616 OM621 OM617	4/8V	2197cc D	IN	GMB-24-I	60.0	14.03	10.0	
616 053 03 20		4/8V	2399cc D	EX	GMB-24-E	48.5	14.03	10.0	
621 053 36 30		4/8V	1988cc D						
616 053 03 30		5/10V	2998cc D						
000 012 00 14	M104.990	6/12V	2792cc	I/E	GMB-25-I/E	38.1	12.06	7.0	

PERKINS

OEM NO	Engine Type	Cyl/V	Description	I/E	EP NO	OL	OD	ID	
33261723 732445M1	3.152 AD4.203 4.203 6.305 4.99		2.5D 3.3D 5.0D 1.6D	I/E	GPB-01-I/E	62.0	12.74	8.0	
0420002	3.152(-70) 6.305(-62) P3/3.144 P4/4.192 P6/6.288		2.5D 5.0D 2.4D 3.1D 4.7D	I/E	GPB-02-I/E	66.0	12.73	7.95	
33261732 796122R1 736296M91 3343F041	4.236/A4.236 4.248 6.372/6.372.4 6.354/.2	L4/8V L4/8V 6/12V 6/12V	3864cc 4064cc 6100cc 5794cc	IN IN IN	GPB-03-I	58.0	15.92	9.51	
33261752 3343J002 3343J021 748420M1 736297M91	4.212/A4.212 T6.354/.1/.2/.3/.4 T4.40/T6.60	L4/8V L4/8V 6/12V	3475cc 5794cc 6.0TD	EX EX EX	GPB-03-E	61.1	15.92	9.505	
3313A012 (CAT)1850882	1104C-44(T)/E44(T) 1103A-33;1103-33T 1103A/B/C 3054TNA;3054B 3054C & E	L4/8V L3 L4 L4	4.4L 3.3L 4.0/4.2L 4.4L	I/E	GPB-04-I/E	51.3	13.04	9.0	
3313A012 (CAT)1850882	4.401/T4.401 1004.40/40T 1004.42/4.421 T6.601/6.601 1106-E60TA	L4/8V L4 L6/12V L6/12V	4.0L 4.2L 6.0L 6.6L	IN	GPB-05-I	51.3	13.04	9.0	
3318A705 (CAT)1639256				EX	GPB-05-E	51.3	14.04	9.0	
3313E001/735 33261742 6397649	4154;4.154 4.165 G3.152 VW CG2.7D	L3	2.5D 2.7D 2.5L	I/E	GPB-06-I/E	54.0	12.75	8.0	
3313E001/735 33261742 6397649	4108 4.108 4.107 4.99		1.8D 1.8 1.6D	IN	GPB-07-I	54.0	12.75	8.0	
33261723 732445M1				EX	GPB-07-E	62.0	12.74	8.0	

PEUGEOT-CITROEN

OEM NO	Engine Type	Cyl/V	Description	I/E	EP NO	OL	OD	ID	
0220.64				IN	GPE-01-I	38.5	13.07	8.0	
0220.72	159 XU9C/2S		1.9/305 II	EX	GPE-01-E	45.0	13.07	8.0	
	180A/Z XU5J-J/JA/JP		1.6Gti						
	B1A XU51C&_K		1.6						
	B1A/BAZ XU51CP		1.6						
	B1E XU51C		1.6						
	B2A XU52C/S;_K		1.6						
	B6B/180Z XU5J		1.6						
	B6D XU5J		1.6Gti						
	BAZ XU5CP		1.6						
	BDY XU5M2Z/3Z		1.6						
	BDY XU5JP		1.6						
	BDZ XU5M		1.6						
	BFZ XU5JP		1.6						
	D2A XU92C/2S		1.9/Gti						
	D2B XU9S		1.9						
	D2C/D6B XU92C/S		1.9						
	D6B XU9JA/Z		1.9Gti						
	DDZ XU9M		1.9						
	DFZ XU9J1		1.9i/Gti						
	DKZ XU9JA/Z/2C/S		1.9						
	L6A XU7P/K		1.8i/306						
	LFW XU7JP/B		1.8						
	LFZ/LFW XU7JP		1.8/405						
	RFL XU10J2U		2.0						
	159A		1.9						
	171A/B/D		1.6						
0220.72	UFZ(ZPJ)		3.0	IN					
	Z7W700/2/6/7/9(REN)	V6/12V	2.8	EX	GPE-02-E	45.0	13.07	8.0	
	Z7W712/3/7/9(REN)	V6	2.8						
	Z7X721/2/3/6(REN)	V6	3.0						
	B25ET(VOL)	V6	2.4T						
	B280E/B280F(VOL)		2.8/2.9						
0220.73				IN	GPE-03-I	40.0	12.07	7.0	
0221.19	D6C XU9J4	16V	1.9Gti	EX	GPE-03-E	40.0	12.07	7.0	
	DFW XU9J4Z	16V	1.9/MI-16						
	RFT XU10J4	16V	2.0						
	RFY XU10J4Z	16V	2.0						
	RGZ XU10J4TE-Z	MI-16	2.0T						
	150C	16V	1.4E						
0221.19	LEY XU7JP	16V	1.8	I/E	GPE-04-I/E	40.0	12.07	7.0	
	RFV XU10J4R	16V	2.0/605/806						
0220.59	180C XU8		0.95/104	I/E	GPE-05-I/E	47.5	13.06	7.0	
	CDY/Z TU9M		0.95						
	H1B TU1		1.1						
	HDY TU1M		1.1						
	HDZ TUIM/MZ		1.1						
	K1D TU3A/AN/S/M/2/2K/MC		1.4						
	K2B TU3A/AN/S/M/2/2K/MC		1.4						
	K2B TU3S		1.4						
	KAY TU3FCP		1.4						
	KDY TU3A/AN/S/M/2/2K		1.4						
	KDZ TU3A/AN/S/M/2/2K/MC/F2		1.4						
	KFV/KFW/X TU3JP		1.4						
	KDX TU3MC		1.4						
	TU3FCP		1.4						

PEUGEOT-CITROEN

OEM NO	Engine Type	Cyl/V	Description	I/E	EP NO	OL	OD	ID	
0220.59	HFX TU1JP			I/E	GPE-06-I/E	47.5	13.06	7.0	
	150F		1.1						
	C1A/H1A/H1B/HAZ TUC1P		1.4E						
	K1F/K1H TU3A		1.1						
	K2A/B/D		1.4						
	KFZ/KFY TU3FJ2		1.4						
0220.85	R5A XU102C RFU XU10J2		2.0/605	IN	GPE-07-I	43.5	13.06	8.0	
			2.0/806						
0221.21	RFX XU10J2/2C RFZ XU10J2Z		2.0	EX	GPE-07-E	50.5	13.06	8.0	
			2.0T						
0220.25	105 XM7/A/P	1.8	505/J7	I/E	GPE-08-I/E	55.0	14.05	8.0	
	106 XN1	2.0	505						
	XN1/A/P/T	2.0	404/504/505						
	106E XN1A	2.0	504						
	107 XN2	2.0 Ti	504						
	KF5/KF6	1.8i	504						
	XB5	1.5	404						
	XC5/6/P/KF1/2	1.6GT	J7/J9						
	XC7/P	1.6	505/504						
	XM1/XM7	1.8	504						
	170A/B/D/C	2.0	J5/C25						
0220.16	XD88	1.9D		I/E	GPE-09-I/E	54.5	14.07	8.5	
	XD4×88/XD4×90	1.9/2.1D							
	147/134 XD2/XD2S	2.3D							
	XD2PX94	2.3D							
	XD3P	2.5D	404						
	XD88	1.9D	504						
	XD88	1.9D	504						
	XD88	1.9D	504						
	XD88	1.9D	504						
	XD88	1.9D	504						
	XD88	1.9D	504						
	XD88	1.9D	504						
	XD88	1.9D	504						
0220.51 79 02 102 332	RFS XU10J4RS	Gti/16V	2.0/306	I/E	GPE-10-I/E	40.8	12.08	6.0	
	109 XW3/7	1.1		I/E	GPE-11-I/E	47.3	13.055	8.0	
	109F/N XW7	1.1							
	121 XW3S	1.1							
	129 XZ5	1.2							
	150 XY6B	1.4	104						
	150B/H XY8	1.4	205						
	150D/G XY7	1.4	104						
	126/150700/X5J7	1.4	104						
	129D XZ7R	1.2	205						
	108C	0.95	205						
	109_5;109_5E/F/K	1.1	205						
	109K/129.5	1.1							
	150C/F	1.4							
	A-XY6C	1.1							
	K3A	1.4E							

VOLVO

OEM NO	Engine Type	Cyl/V	Description	I/E	EP NO	OL	OD	ID	
422320	D100A/B	6/12V	9.6TD	IN	GVO-01-I	82.0	18.0	11.0	
421297 1545135-4	TD100 260/280 TD103ES 320 TD120 300 TD120/1 320/30 TD121 370	6/12V 6/12V 6/12V 6/12V 6/12V	9.6TD 9.6TD 12.0TD 12.0TD 12.0TD	EX	GVO-01-E	66.0	18.0	11.0	
422320 1545199	TD101 260/280 TD101 300/320	6/12V	9.6TD	IN	GVO-02-I	82.0	18.0	11.0	
424868		6/12V	9.6TD	IN					
421297 1545135-4				EX	GVO-02-E	66.0	18.0	11.0	
421297	D70 TD70A/B/C TD70A/B/C		6.7D 6.7TD 6.7TD	I/E	GVO-03-I/E	66.0	18.0	11.0	
465157-6	D60A(F609) TD60(F611) TD60(F610,3,4,6) TD61F (FL614)		5.5D 5.5TD 5.5TD 5.5TD	I/E	GVO-04-I/E	64.5	16.0	8.0	
1378960	B234F B204E B204FT		2.3 2.0 2.0T	I/E	GVO-05-I/E	55.0	12.05	7.0	
419652	B230A/E B230ET B230FB B230FT	16V	2.3 2.3T 2.3 2.3T	IN	GVO-06-I	52.0	13.52	8.0	
463771 3547603	B23A/E B23ET B200E/F/K		2.3 2.3T 2.0	EX	GVO-06-E	52.0	13.52	8.0	
463771 3547603	B21A/E B21ET B19A		2.1 2.1T 2.0	I/E	GVO-07-I/E	52.0	13.52	8.0	
419652	B30A		2.9	IN	GVO-08-I	52.0	13.52	8.0	
419653				EX					
LFY1-10-281 ZJY1-10-281 VOL	L3;L3C1;GZ L8;L813 CSDA/B;QQDA/B B4184S11	16V 16V 16V	2.3 1.8 1.8 1.8	I/E I/E	GVO-09-I/E	39.0	11.05	5.5	
	D24(T);D5244T PB;D5252T		2.4 1.8/2.5		GVO-10-I/E	36.5	12.08	8.0	

HINO

PARTS NO. O.E.M. NO.	ENGINE TYPE		IN EX	DIMENSIONS				REMARKS
				SD	ID	T	SA	
11131-1080A 11131-1081A	ED100 TRUCK	6 11600	IN	60	51	10	45°	
11135-1080A 11135-1180A	KB,TC,WVP TC,ZC,ZG,ZH		EX	54	45.5	8.75	45°	
11131-1020A3 11131-1180A	EK100/200 EF750/550	6 133300	IN	61	50	10	45°	
11135-1010C 11135-1010A 11135-1210A 11135-1170A	EV700 BUS,RC TRUCK FH,K,FN,FP		EX	55	45	9	60°	
11131-1031A 11131-1160A	EF300 EF350 EF500 EF700	V8 14200	IN	60	50	9.5	30°	
11135-1031B	TRUCK BUS	15900	EX	54	44	9	45°	
11131-1140A 11131-1230	EH700 HO6CT	6 6400	IN	52	41.5	7.5	30°	
11135-1240A 11135-1250 11135-1420	HO7C RAINBOW RANGER		EX	45.6	36.5	8	45°	
11131-1050A 11135-1210A	EL10		IN EX	53 48	45 39	7.3 7.3	30° 45°	
11131-1190A 11131-1240 11135-1310	EP100 TRUCK	6 8800	IN EX	53 48	45 38.8	7.5 7.2	60° 45°	
11131-1010B 11131-1110A	EF100		IN	58	48	10	45°	
11135-1130B 11135-1031A			EX	54	44	9	45°	
2-301-1008-0	DK10		EX	55	45	9	45°	
11131-1330 11135-1300	DM100		IN EX	55.6 49.6	47 40.3	8 8	45° 45°	
11131-1320 11135-1160 11135-1460	F20C		IN EX	52 48.6	42.7 39.8	8.6 8	45° 45°	
11135-1620 11131-K13C 11135-K13C	K13C(12V) K13C(24V)		IN EX	61 55	50 45	10 9	45° 45°	
11131-1210 11135-1320	W04D/06D		IN EX	46.7 41.2	38.5 34	7.3 7.5	45° 45°	
11131-1380 11135-1720 11135-1580	J08C		IN EX	41 39	33.2 32.3	7.2 6	45° 45°	

ISUZU

PARTS NO. O.E.M. NO.	ENGINE TYPE		IN EX	DIMENSIONS				REMARKS
				SD	ID	T	SA	
8-94228-701-0 8-94105-292-0	C181 4FB1/4FC1 FGC1 GEMINI FORGO	4 1800 2000	IN	40	33	5.75	45°	
8-94228-702-0 8-84105-293-0			EX	35	28	5.75	45°	
1-11715-035-0	6RA1(T) BUS,CQA, CQM,TRUCK SHM,CXM	6 12000	IN	48	39	7.7	30°	
1-11715-029-0			EX	48	39	7.7	30°	
5-11715-028-0 5-11715-035-2	3KC1	3 15000	IN	36	30	6	45°	
5-11711-029-2 5-11711-037-2			EX	32	26	6	45°	
1-11715-040-0 1-11715-050-0	6BG1 FORWARD ELF	6 6500	IN	47	41	7	45°	1-11715-054-0
1-11711-043-0			EX	39	33	7	45°	
8-94136-064-0	C223T RODEO BIGHORN EL150.250	4 2200 2400	IN	40	33.6	6	45°	
8-94155-816-0			EX	34	27.6	6	45°	
894130-558-0 894130-559-0	4JA1,4JB1 ELF	4 2000	IN	41.2	34.5	6.8	45°	
			EX	36.7	30.5	7.0	45°	
8-94239-424-2 8-94366-053-0	4EC1 4EE1 GEMINI	4 1800	IN	36	30	8	45°	8-97043-218-0 8-97043-219-0
8-94239-514-0 8-94366-054-0			EX	32	26	8	45°	
5-11715-018/024-0 9-11715-607-0 9-11715-085-0 9-11715-034-0	4/6BB1 4/6BD1 JOURNEY ELF FORWARD	4 2800 6 5800	IN	47	41	7	45°	
5-11711-022/028-0 9-11711-100/083-0			EX	39	33	7	45°	
5-11715-018-0	4BC1,4BA1 JOURNEY ELE TLDFIRE FORWARD	4 2800 6 5400	IN	47	39	7	45°	
5-11711-022-0 5-11711-021-0			EX	39	31	7	45°	
1-11715-034-0	4BC2 4BE1 JOURNEY ELF	4 3300	IN	47	41	7	45°	
5-11711-028-0			EX	39	33	7	45°	
9-11715-054-0	C221,C190(OLD) (210)ELF150 JOURNEY RODEO FASTER	4 2000	IN	40	35.5	6	45°	
9-11711-066-0			EX	34	29.5	6	45°	
5-11715-023-0	C190,C240(NEW) C223 RODEO BIGHORN	5 2200 2400	IN	41	34	6	45°	
9-11715-801-0			EX	35	28	6	45°	
9-11715-126-0 9-11711-801-0	DH100(TD) BUS,BD,BU CLM TRUCK SLR	6 10200	IN	56	49	9	45°	
9-11711-145-0 9-11711-148-0 9-11711-149-0			EX	51	40	9	45°	

ISUZU

PARTS NO. O.E.M. NO.	ENGINE TYPE		IN EX	DIMENSIONS				REMARKS
				SD	ID	T	SA	
9-11715-117-0 9-11715-131-1 9-11715-135-0	TMK E120 C120 BUS,BU,CPA TRUCK SPG.SPK.SPM	6 12000	IN	48	40	8.3	45°	
9-11711-135/131-0			EX	48	38	9.3	45°	
1-11715-005-0	DA220 DA120 TRUCK BUS	6 6200 6400	IN	46.5	39.5	8	45°	
1-11711-005-0			EX	45	35	8	45°	
8-94143-514-0	D201 JOURNEY FLORIAN ELF150	4 2000	IN	46	33.5	6.7	45°	
8-94143-515-0			EX	34	27.5	6.7	45°	
1-11715-023-0 1-11715-032-0	8PA1 10PA1,10PB1 BUS,CRA ARG TRUCK	V8 10000 V10 12500	IN	50	43	10	45°	
1-11711-020-0			EX	48	40	9.5	45°	
1-11715-049-0 1-11715-032-0 1-11715-023-0	8,10PB1 6SA1(MTC) FORWARD	6 8500 V8 12000	IN	50	43	10	45°	
1-11711-037-0 1-11711-020-0			EX	48	40	9.5	45°	
1-11715-025-0	10PA1		IN	52	42	10.8	45°	
1-11711-016-0			EX	49	40	10.4	45°	
1-11715-078-0	10PD1		IN	52	45	10	60°	
1-11711-075-0			EX	48	39.5	9.6	60°	
1-11715-006-0 9-11715-123-0	DA640T DA120		IN	46.5	39.5	8	45°	
1-11715-006-0 9-11715-123-0			EX	45	35	8	45°	
8-97118-119-0 8-94254-813-0 8-94378-030-0	4JG2		IN	42	35.8	6.8	45°	
8-97118-120-0			EX	36	30	6.9	45°	
1-11715-059-0 1-11715-073-0	6RB1 BUS,CQA, CUM/CQM TRUCK	6 12000	IN	48	40	5	30°	
1-11711-044-0 9-11711-350-0			EX	48	38	7	30°	
8-94418-538-0	4FC1T GEMINI FARGO	4 1800 2000	IN	38	31	5.75	45°	
8-94418-539-0			EX	33	26	5.75	45°	
1-11715-172-0	6RAQ1T BUS,CQA TRUCK	6 12000	IN	48	40	5	30°	
1-11711-045-0			EX	36.5	30.5	6.5	45°	
8-94431-521-0	4JB1 ELF	4 2000	IN	41.2	34.5	7	45°	
8-94431-522-0			EX	36.5	30.5	6.5	45°	
8-97034-731-0 8-97044-716-0	4EC1 4EE1 GEMINI	4 1800	IN	36	28.2	7	45°	
8-97034-732-0 8-97044-717-0			EX	32	25	7	45°	

ISUZU

[illegible]

ISUZU

PARTS NO. O.E.M. NO.	ENGINE TYPE		IN EX	DIMENSIONS				REMARKS
				SD	ID	T	SA	
ME001133	4DR 6DR JEEP ROSA	4 2700 6	IN	43	38	5.4	45°	
ME001075			EX	34	29	5.4	45°	
ME051300	6D11T,6D22T BUS TRUCK	6 10300 11100	IN	57	49	7	45°	
ME051354			EX	52	43	7	45°	
36701-02800 36701-02400 36701-01500	S6KT		IN	46.1	40	6.6	30°	
36701-02500			EX	39.1	33	6.6	30°	
34401-21400	S4E E200B		IN	44	37	6	45°	
34401-21500			EX	37	30.5	6	45°	
32A01-03100	S4S FD20		IN	46	37.7	5.1	45°	
32A01-03200			EX	37	30.2	6	45°	
ME160602	6D40		IN	49	39.9	7.1	45°	
ME120752			EX	49	39.2	7.1	45°	
ME028003	4M40		IN	43	35.9	6	45°	
ME028148			EX	37	30	6	45°	
ME160592	8M20		IN	53	43.3	7	45°	
ME165420			EX	49	39.2	7	45°	
MD050514	4D55 4D56		IN	43.4	35.9	7.2	30°	
MD050517			EX	37.4	29.9	7.2	45°	
	S6R		IN	60	49	7	45°	
			EX					
33501-00400	S6N		IN	58	48	9	45°	
33501-00500 33501-00501			EX	54	44	9	45°	
36201-10400	S6A S6A1		IN	50	43	8.5	30°	
36201-10600			EX	46	39	9	30°	
33701-10400	S6A2		IN	58.2	46	8.65	30°	
33701-10500			EX	54	43.8	8.35	30°	
	S6B		IN	50	43.9	9.15	30°	
			EX	46	40.5	9.2	30°	

KOMATSU

PARTS NO. O.E.M. NO.	ENGINE TYPE		IN EX	DIMENSIONS				REMARKS
				SD	ID	T	SA	
	4D94		IN					
6143-11-1440			EX	38	28.4	6.5	45°	
6207-11-1430	S6D95L 4D95		IN	45	38	8.5	45°	
6204-11-1440			EX	39	31.5	6.5	45°	
6207-11-1440	S4D95L 4D95		IN	45	36.95	8.5	45°	
6209-11-1430			EX	39	31.5	6.5	45°	
6204-11-1440	S4D105 SD105		IN	48.5	40.7	8.5	30°	
6136-12-1310			6D105 6D110	EX	44	34.6	9.0	45°
6136-12-1320	S6D105				IN	47.5	38.68	7.5
6134-11-1320			EX	44	34.6	9.0	45°	
6150-11-1331	S6D108 S6D110		IN	48.5	40.7	8.5	30°	
6130-12-1320			EX	44	34.6	9.0	45°	
6138-12-1331	SA6D108		IN	51.5	43.3	8.5	30°	
6138-12-1320			EX	45.5	38	9.0	45°	
6130-12-1320	SA6D108 6D125		IN	47.5	38.68	7.5	30°	
6221-11-1330			EX	46.5	39	7.5	45°	
6221-11-1360	S6D125 SA6D125		IN	55	44.7	8.8	30°	
6150-11-1331			EX	52	43	8.6	45°	
6151-11-1330	6D140 S6D140		IN	55	44.7	8.8	30°	
6150-11-1320			EX	52	43	8.8	45°	
6201-11-1330	SA12V140		IN	60	51	9	30°	
6212-11-1330			EX	57	48	9	45°	
6210-11-1321	S6D155 SA6D155		IN	63	50	8.5	30°	
6212-11-1330			EX	61	48	8.75	45°	
6210-11-1321	SA12V170		IN	63	50	8.5	30°	
6127-11-1335			EX	61	48	8.75	45°	
6127-11-1325	4D105 6D105		IN	48.5	40.7	8.5	30°	
6162-13-1330			EX	44	34.6	9	45°	
6162-15-1370	NH250 NT855		IN/EX	50.87	42.9	7.1	30°	
6162-19-1370			IN/EX	47	39	7	30°	
6162-13-1332	6D102 6/4BT		IN	47	38	6.8	30°	
6162-19-1332			EX	43.7	34	6.7	45°	
6136-11-1310	6CT		IN	54	44	8	30°	
6136-12-1310			EX	47	40	5.8	45°	
6136-11-1311	NH220		IN/EX	47	39	7	30°	
6136-11-1320			IN/EX	47	39	7	30°	
6136-12-1320	NH220		IN/EX	47	39	7	30°	
6134-11-1320			IN/EX	47	39	7	30°	

MAZDA[illegible]

MITSUBISHI

PARTS NO. O.E.M. NO.	ENGINE TYPE		IN EX	DIMENSIONS				REMARKS
				SD	ID	T	SA	
30001-13401 30001-23401	DB 8DB		IN	54.4	48	6.5	45°	
30001-23501	6DB1		EX	46.4	40	6.5	45°	
31301-00401 ME001133	4DR5,6DR5 JEEP	4 2700	IN	43	38	5.4	45°	
31301-00593 ME001075	RASA		EX	34	29	5.4	45°	
ME029106 ME011058 ME029296 ME029297 ME-013297	4D30/31/32 6DS,7 BUS TRUCK	4 3300 6 5500	IN	46	40	6.5	45°	
ME029004 ME029005 ME-013188			EX	39	33	6.5	45°	
ME041130 ME031931 ME031932	6D10,6D11 6D14,4D33 TRUCK BUS	6 6000 6600	IN	49	42.2	6.5	45°	
ME031935 ME031936			EX	42	36	6.5	45°	
ME071216 ME071307 ME031853 ME031929 ME031930 ME071002	6D15,6D16 BUS TRUCK	6 6900	IN	51	44.2	6.5	45°	
ME031933 ME031934 ME031587 ME071111 ME071303			EX	44	38	6.5	45°	
30901-00492 30901-00001 ME051300 30901-00401	6D20,6D21 6D11T 6D22,6D22T BUS TRUCK	6 10300 11100	IN	57	49	7	45°	
ME051035/4 31101-00392 31101-00501			EX	52	43	7	45°	
31201-70192 31201-70101 31101-00401	6D22 8DC2	V8 1400	IN	64	55	7	45°	
ME051035 31101-00501 31101-00392 ME051034	8DC/6DC 10DC V8(FV305)	V10 18600	EX	52	43	7	45°	
31201-30491 31201-30000 ME060241	8DC7 8DC8 8DC9	V8 14000	IN	61	52	7	45°	
31201-30491 31201-30000 ME060243			EX	55	46	7	45°	

MITSUBISHI

PARTS NO. O.E.M. NO.	ENGINE TYPE		IN EX	DIMENSIONS				REMARKS
				SD	ID	T	SA	
ME001133	4DR 6DR JEEP ROSA	4 2700 6	IN	43	38	5.4	45°	
ME001075			EX	34	29	5.4	45°	
ME051300	6D11T,6D22T BUS TRUCK	6 10300 11100	IN	57	49	7	45°	
ME051354			EX	52	43	7	45°	
36701-02800 36701-02400 36701-01500	S6KT		IN	46.1	40	6.6	30°	
36701-02500			EX	39.1	33	6.6	30°	
34401-21400	S4E E200B		IN	44	37	6	45°	
34401-21500			EX	37	30.5	6	45°	
32A01-03100	S4S FD20		IN	46	37.7	5.1	45°	
32A01-03200			EX	37	30.2	6	45°	
ME160602	6D40		IN	49	39.9	7.1	45°	
ME120752			EX	49	39.2	7.1	45°	
ME028003	4M40		IN	43	35.9	6	45°	
ME028148			EX	37	30	6	45°	
ME160592	8M20		IN	53	43.3	7	45°	
ME165420			EX	49	39.2	7	45°	
MD050514	4D55 4D56		IN	43.4	35.9	7.2	30°	
MD050517			EX	37.4	29.9	7.2	45°	
	S6R		IN	60	49	7	45°	
			EX					
33501-00400	S6N		IN	58	48	9	45°	
33501-00500 33501-00501			EX	54	44	9	45°	
36201-10400	S6A		IN	50	43	8.5	30°	
36201-10600	S6A1		EX	46	39	9	30°	
33701-10400	S6A2		IN	58.2	46	8.65	30°	
33701-10500			EX	54	43.8	8.35	30°	
	S6B		IN	50	43.9	9.15	30°	
			EX	46	40.5	9.2	30°	

NISSAN[illegible]**PEUGEOT**[illegible]

TOYOTA

[illegible]

INJECTOR SLEEVE

INJECTOR SLEEVE (NOZZLE TUBE)

ITEM NO.	OEM PARTS NO.	CAR MODELS	REMARK
1	1-11129-017-0	10PA1/PC1	ISUZU
2	11176-1080		HINO
3	11176-1052	EF750	HINO
4	11176-1150	EM100	HINO
5	11176-1022	EH700	HINO
6	31201-68209	8DC8/8DC9	FUSO
7	ME-030855	6D14/6D16	FUSO
8	30901-13709	6D22	FUSO
9	CUMMINSNT855		CUMMINS
10	PLEP001		
11	11176-1190	J08C	HINO
12	6D40		MITSUBISHI
13	11070-Z5504 11070-Z5502	FD6/FE6	NISSAN
14	202605		CUMMINS
15	JIWNJR 1201		
16	3183368 SI090604		
17	A1193061		
18	202605		CUMMINS
19	DEFRLT		
20	117		MAIERIAL
21	RS322		
22	11070-Z6502		
23	11191-22010		
24	51995270041-3		
25	D70-468284		VOLVO
26	270575		VOLVO
27	D100-467417		VOLVO
28	D50-465547		VOLVO
29	TD101-270946		VOLVO
30	ME302359	6M60	MITSUBISHI
31	ME355764	6M70	MITSUBISHI
32	11176-1170	K13C	HINO
33	8-97606-661-0	4HK1	ISUZU
34	8-97602-301-0	6HC	ISUZU
35	6D105 / 6D125	6D105 / 6D125	KOMATSU

