



TP

PISTON RINGS,
CYLINDER LINERS
CATALOG

Vol. 16

TPR

THE BEST FOR ENGINES!

TPR CO.,LTD.
<http://www.tpr.co.jp/>

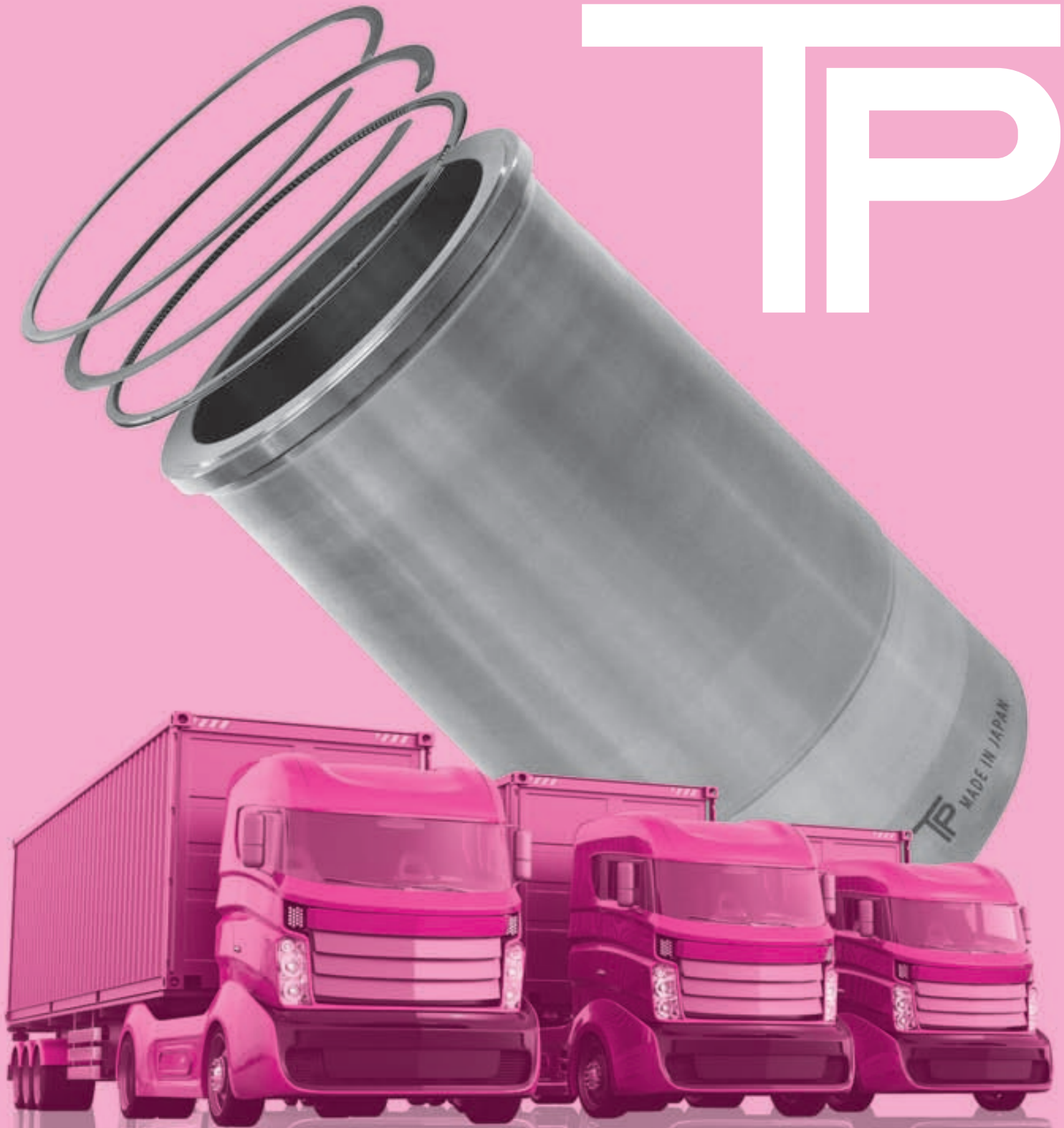
TP



MADE IN JAPAN

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TP



DELIVERING PERFORMANCE

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How to order TP Piston Rings

When ordering, please be sure to state the following : Our Set Number, Size, Type and Quantity.

TYPE

T: all rings iron-phosphate coated.

TC: top compression rings chrome plated, others iron-phosphate coated.

PS: top compression rings and upper oil control rings chrome plated, others iron-phosphate coated.

3PS: top, 2nd compression rings and upper oil control rings chrome plated, others iron-phosphate coated.

AC: all rings chrome plated or nitrided.

DW: top compression rings side face chrome plated upper oil rings chrome plated with coil expander, others iron-phosphate coated.

3F: top compression and multi-piece steel oil control rings chrome plated or nitrided, others iron-phosphate coated.

2F: top compression and upper oil control rings chrome plated or nitrided, upper oil control rings with coil expander, others iron-phosphate coated.

BC: top compression rings side chrome plated.

X: upper oil control rings with hump type expander.

3F types is mainly for gasoline engines.

2F types is mainly for diesel engines.

“K” after width indicates full keystone rings.

“HK” after width indicates half keystone rings.

OVER SIZE

TP PISTON RING SETS are available in standard (STD) size and the following oversizes.

inch	STD	.010	.020	.030	.040
mm	STD	0.25	0.50	0.75	1.00

EXAMPLE

Our Set No.	Type	Size	Quantity	Remarks
35825	3F	STD	500 sets	
32208	PS	020	750 sets	

- TP PISTON RING SET other than for Japanese cars are also available to supply.

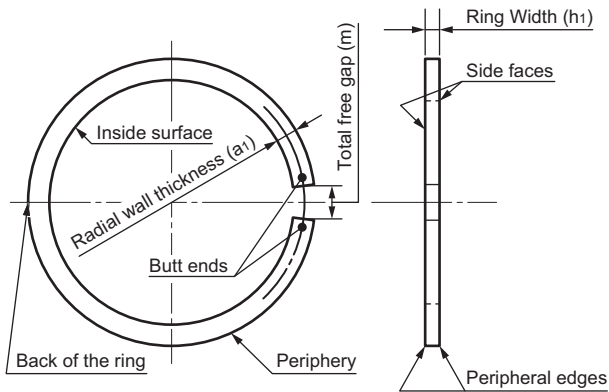
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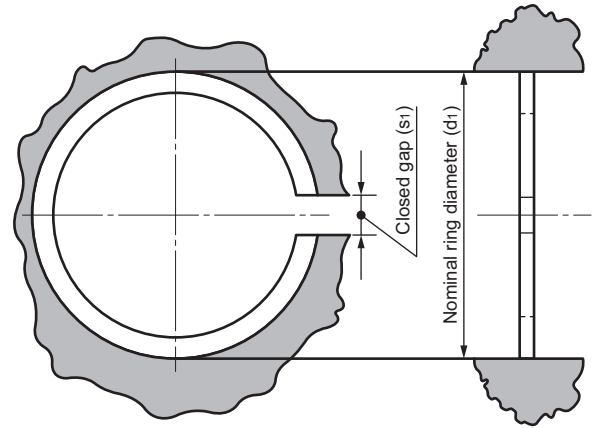
PISTON RINGS

Piston Rings Details, Identification and Location

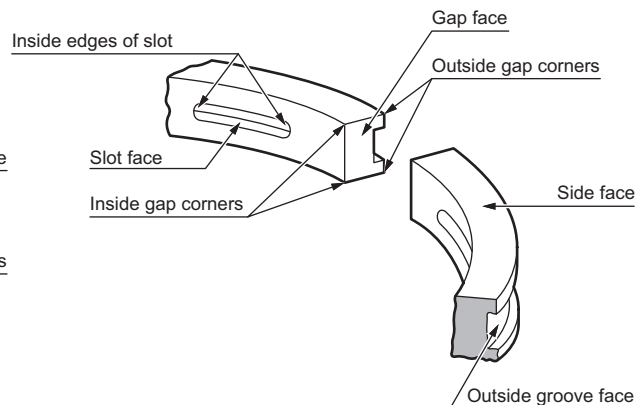
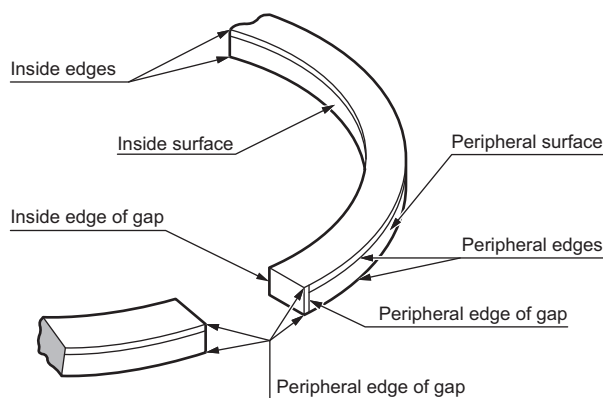
Nomenclature and symbols under free state



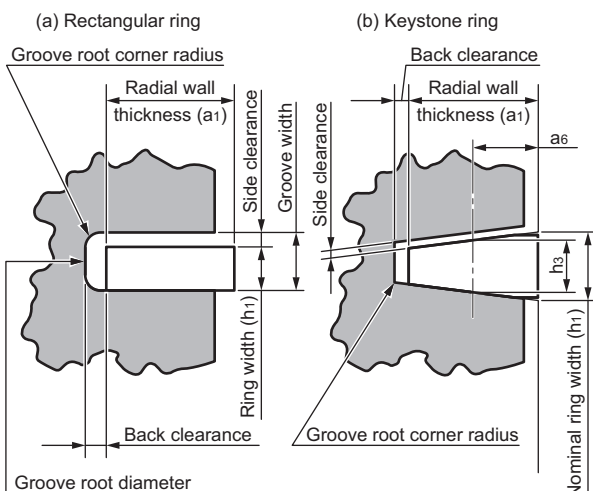
Nomenclature and symbols under mounted state



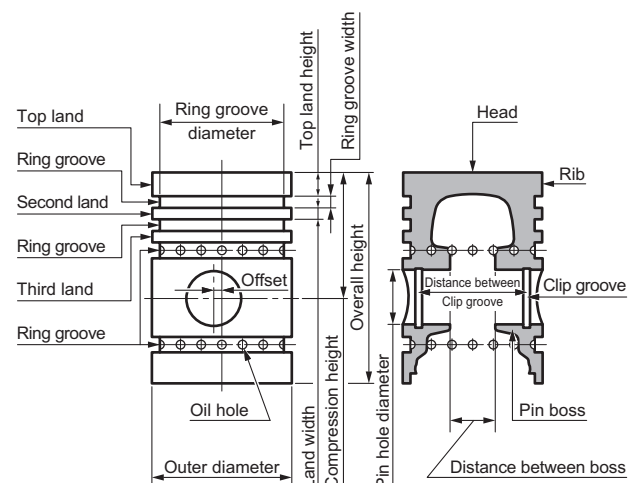
Nomenclature of edges, inside and peripheral surfaces and side face



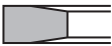
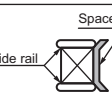
Nomenclature and symbols relating to ring cross-section and groove width

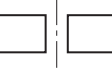
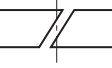
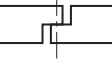


Nomenclature of parts (Piston)



Cross-Section Configuration/ Material/Surface Treatment

Shape ①		
Cross Section		
Rectangular		
Keystone		K
Half Keystone		HK
Slotted oil control		1F
Beveled-edge oil control		
Double-beveled oil control		
Coil spring loaded oil control		2F
Coil spring loaded Beveled-edge oil control		
Coil spring loaded double Beveled-edge oil control		
Expander/segment oil control ring		3F
Shape ②		
Face Configuration		
Straight-faced		SF
Barrel-faced		BF
Taper-faced		TF

Shape ③		
Others		
Scraper		SP
Internal bevel top		BT
Internal step top		ST
Internal bevel bottom		BB
Internal step bottom		SB
Inside edges chamfered		
Outside edges chamfered		
Inside and outside edges chamfered		
Material		
Gray Cast iron		FC
Ductile Cast iron		FD
Steel		ST
Surface treatment		
Nitriding		NT
Chromium plating		CH
Phosphate		PH
Ferroxided		FE
PVD		PV
Joint Configurations		
Joint (straight)		
Oblique joint (angle)		
Stepped joint (angle)		
Joint with side notch		
Joint with internal notch		

TP No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape ① ② ③	Material	Surface Treatment Outside Upper/Lower	Reference
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DAIHATSU

31057	3F	JB-J				4	T	61.0 × 1.2 × 2.3	BF BT	ST	CH FE	13011-87231
							2	61.0 × 1.2 × 2.5	TF SP	FC	PH PH	
							O	61.0 × 2.0 × 2.45	3F	ST	CH PH	
31016	TC	L38 S38	Fellow MAX L38,L38S			356	2	62.0 × 2.0 × 2.8	HK BF	FC	CH PH	13011-87204
							2	62.0 × 2.0 × 2.8	BF	FC	PH PH	13011-87205
							3	62.0 × 2.0 × 2.8	BF	FC	PH PH	13011-87501
31033	3F	EB	Mira			547	3	62.0 × 1.2 × 2.5	BF BT	ST	CH FE	13011-87206
							2	62.0 × 1.5 × 2.5	TF	FC	PH PH	13011-87222
							O	62.0 × 2.8 × 2.6	3F	ST	NT PH	
31062	3F	KF-VE	Mira Esse			658	3	63.0 × 1.0 × 2.3	BF BT	ST	CH FE	13011-B2020
							2	63.0 × 1.2 × 2.3	TF SP	FC	PH PH	
							O	63.0 × 2.0 × 2.25	3F	ST	CH PH	
31063	2FAC	KF-VE2				3	T	63.0 × 1.0 × 2.3	BF BT	ST	CH FE	13011-B2043
							2	63.0 × 1.2 × 2.3	TF SP	FC	PH PH	
							O	63.0 × 2.0 × 2.2	3F	ST	PV PH	
31064	3F	KF-VE3				3	T	63.0 × 1.0 × 2.3	BF BT	ST	CH FE	13011-B2110
							2	63.0 × 1.0 × 2.1	TF	ST	FE FE	
							O	63.0 × 1.5 × 2.15	3F	ST	PV PH	
31040	3F	ED	Mira Charade,Hi-jet			850	3	66.6 × 1.2 × 2.55	BF	ST	NT NT	13011-87208
							2	66.6 × 1.5 × 2.85	TF SP	FC	PH PH	13011-87232
							O	66.6 × 2.8 × 2.6	3F	ST	NT PH	
31050	3F	ED(NEW)	Charade			850	3	66.6 × 1.2 × 2.3	BF	ST	NT NT	13011-97209
							2	66.6 × 1.2 × 2.6	TF SP	FC	PH PH	
							O	66.6 × 2.0 × 2.25	3F	ST	NT NT	
31041	3F	EF	KANCIL			660	3	68.0 × 1.2 × 2.55	BF BT	ST	CH FE	13011-87218
							2	68.0 × 1.5 × 2.7	TF SP	FC	PH PH	
							O	68.0 × 2.8 × 2.5	3F	ST	CH PH	
31053	3F	EF	Mira			659	3	68.0 × 1.2 × 2.55	BF BT	ST	CH FE	13011-97203
							2	68.0 × 1.2 × 2.7	TF	FC	PH PH	
							O	68.0 × 2.5 × 2.5	3F	ST	CH PH	
31027	3FBC	CD	G20L			850	3	70.0 × 1.5 × 3.0	BF	FC	CH PH	13011-87712
							2	70.0 × 1.5 × 3.0	TF	FC	PH PH	
							O	70.0 × 2.8 × 2.85	3F	ST	CH FE	
31056	2F	1KR-FE J1KR	Vitz, PASSO, BOON			996	3	71.0 × 1.0 × 2.3	BF BT	ST	CH FE	13011-40030A
							2	71.0 × 1.0 × 2.3	TF SP	ST	FE FE	13011-40050
							O	71.0 × 1.5 × 2.05	2F	ST	PV FE	13011-40051
												13011-40052

TP No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape			Material	Surface Treatment		Reference	
									①	②	③		Outside	Upper/Lower		
31024	3F	L40	Fellow MAX L40		547	2	T	71.6 × 1.5 × 3.0	BF			FC	CH	PH	13011-87709	
		AB10	Cuore L55,SS11				2	71.6 × 1.5 × 3.0	TF SP				FC	PH	PH	13011-87710
		AB20	Mira Cuore Wide Cab S60				O	71.6 × 2.8 × 2.75	3F				ST	CH	FE	13011-87714
		AB30	Hi-jet Atrai Fronte													13011-87701
																13011-87702
															13011-87705	
31051	3F	D02X	XENIA		1,300	4	T	72.0 × 1.2 × 2.3	BF			ST	NT	NT	13011-BZ010-B	
							2	72.0 × 1.2 × 2.6	TF SP				FC	PH		PH
							O	72.0 × 2.0 × 2.25	3F				ST	NT		
31052	3F	D02X	XENIA		1,300	4	T	72.0 × 1.2 × 2.3	BF			ST	NT	NT	13011-BZ010-B	
							2	72.0 × 1.2 × 2.6	TF SP				FC	PH		PH
							O	72.0 × 2.0 × 2.25	3F				ST	NT		
31048	3F	EJ	Storia,M100s,M110s		989	3	T	72.0 × 1.2 × 2.6	BF BT			ST	CH	PH	13011-97201	
							2	72.0 × 1.2 × 2.9	TF SP				FC	PH	PH	13011-97210
							O	72.0 × 2.5 × 2.6	3F				ST	CH	PH	
31059	3F	EJDE	Sirion Storia		1,000	3	T	72.0 × 1.2 × 2.57	BF BT			ST	CH	PH	13011-97202	
							2	72.0 × 1.2 × 2.9	TF SP				FC	PH		PH
							O	72.0 × 2.5 × 2.6	3F				ST	CH		PH
31061	3F	EJ-VE				3	T	72.0 × 1.2 × 2.5	BF BT			ST	NT	NT	13011-BZ020-B	
							2	72.0 × 1.2 × 2.3	TF SP				ST	FE		FE
							O	72.0 × 2.0 × 2.25	3F				ST	NT		
31049	3F	K3	Storia,Hi-jet,Terios		1,300	4	T	72.0 × 1.2 × 2.6	BF BT			ST	CH	PH	13011-97401	
							2	72.0 × 1.2 × 2.6	TF SP				FC	PH	PH	13011-97404
							O	72.0 × 2.0 × 2.25	3F				ST	CH	PH	13013-B1010
31060	2F	2SZ	Vitz, Belta, Ractis		1,296	4	T	72.0 × 1.0 × 2.3	BF BT			ST	CH	FE	13011-23070	
							2	72.0 × 1.0 × 2.3	TF SP				ST	FE	FE	13011-23073
							O	72.0 × 1.5 × 2.05	2F				ST	PV	FE	
31055	3F	3SZ-VE	XENIA(DAIHATSU) AVANZA(TOYOTA)		1,500	4	T	72.0 × 1.2 × 2.5	BF BT			ST	NT	NT	13011-BZ110	
							2	72.0 × 1.2 × 2.3	TF SP				ST	FE	FE	13011-BZ1040
							O	72.0 × 2.0 × 2.25	3F				ST	NT		13011-B1020
31028	3F	CB10	Charade G10		993	3	T	76.0 × 1.5 × 3.2	BF			FC	CH	PH	13011-87703	
							2	76.0 × 1.5 × 3.1	TF				FC	PH	PH	13011-87704
							O	76.0 × 2.8 × 2.75	3F				ST	CH	PH	13011-87708
31038	3FBC	CB20	Charade G10		993	3	T	76.0 × 1.5 × 3.2	BF			FC	CH	PH	13011-87718	
		CB50	TURBO				2	76.0 × 1.5 × 3.1	TF				FC	PH		PH
							O	76.0 × 2.8 × 2.9	3F				ST	CH		FE
31037	3FAC	CB90	Charade		1,000	3	T	76.0 × 1.5 × 2.95	BF			ST	NT	NT	13011-87727	
		S88					2	76.0 × 1.5 × 3.1	TF				FC	CH		PH
							O	76.0 × 2.8 × 2.6	3F				ST	NT		NT
31035	3F	HC	Charade G102S,G112S		1,295	4	T	76.0 × 1.2 × 2.9	BF BT			ST	CH	FE	13011-87105	
							2	76.0 × 1.5 × 3.1	TF				FC	PH	PH	13011-87108
							O	76.0 × 3.0 × 2.8	3F				ST	NT	NT	

TP No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape ① ② ③	Material	Surface Treatment Outside Upper/Lower	Reference
31036	3F	HD	Feroza Charade		1,589	4	T	76.0 × 1.2 × 2.75	BF BT	ST	NT NT	13011-87107
							2	76.0 × 1.5 × 3.1	TF	FC	PH PH	13011-87106
							O	76.0 × 3.0 × 2.8	3F	ST	NT NT	13011-87109
												13011-87110
												13011-87111
31045	3F	HD(NEW)	Applause,Pyzar,A101s		1,589	4	T	76.0 × 1.2 × 2.75	BF BT	ST	NT NT	13011-87112
							2	76.0 × 1.5 × 3.2	TF SP	FC	PH PH	
							O	76.0 × 3.0 × 2.5	3F	ST	NT NT	
31031	2FACBC	CL CL10	Charade Diesel/G30		993	3	T	76.0 × 2.0 × 3.2	HK BF	FD	CH PH	13011-87717
							2	76.0 × 1.5 × 3.1	TF	FD	CH PH	13011-87723A
							O	76.0 × 3.0 × 3.55	2F	ST	CH FE	
31043	2FAC	CL(NEW)	Charade(Diesel)		1,000	3	T	76.0 × 2.0 × 2.95	HK BF	ST	NT NT	13011-87721
							2	76.0 × 1.5 × 3.1	TF	FD	CH PH	
							O	76.0 × 3.0 × 3.55	3F	ST	CH FE	
31022	2F	DG(OLD)	Truck DV26,SV37		2,530	4	T	88.0 × 2.0 × 3.8	BF	FD	CH PH	992-5113-1410-00
							2	88.0 × 2.0 × 3.8	TF	FC	PH PH	
							3	88.0 × 2.0 × 3.5	TF SP	FC	PH PH	
							O	88.0 × 4.0 × 3.7	2F	FC	CH PH	
							O	88.0 × 4.0 × 3.8	1F	FC	PH PH	
31026	DW	DG(NEW)	Delta,Light Bus V20,21,22,23,24,26		2,530	4	T	88.0 × 2.5 × 3.8	BF BT	FC	CH PH	13011-87305
							2	88.0 × 2.0 × 3.8	TF	FC	PH PH	13011-87306
							O	88.0 × 4.0 × 4.1	2F	FC	CH PH	13011-87307
												13011-87308
31030	2FACBC	DL	Taft 4 Wheel-Drive F50 HU25,Taft Delta		2,765	4	T	92.0 × 2.5 × 3.8	BF	FC	CH PH	13011-87310
							2	92.0 × 2.0 × 3.8	TF	FC	CH PH	13011-87311
							O	92.0 × 4.0 × 4.25	2F	ST	CH FE	13011-87312
												13011-87313
31032	2FAC	DL-T F70V	Taft Delta		2,765	4	T	92.0 × 2.5 × 3.8	HK BF	FD	CH PH	13011-87314A
							2	92.0 × 2.0 × 3.8	TF BT	FC	CH PH	13011-87317
							O	92.0 × 4.0 × 4.25	2F	ST	CH FE	
31046	2FAC	DL-2	Taft Delta		2,765	4	T	92.0 × 2.5 × 3.6	BF	FD	CH PH	13011-87321
							2	92.0 × 2.0 × 3.8	TF	FC	CH PH	
							O	92.0 × 4.0 × 4.25	2F	ST	CH FE	

TF No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape ① ② ③	Material	Surface Treatment		Reference
											Outside	Upper/Lower	

HINO

32211	PS	DM100	Truck	4,313	6	T	90.0 × 2.5 × 3.7	TF	FC	CH	PH	3352-193901
			KM300,310,320,330		2	90.0 × 2.5 × 3.7	TF	FC	PH	PH	3352-120507	
			340,350,410,450		3	90.0 × 2.5 × 3.7	TF SP	FC	PH	PH	13011-1350A	
			Bus		O	90.0 × 4.0 × 3.7	1F	FC	CH	PH		
			BM320,RM100		O	90.0 × 4.0 × 3.7	1F	FC	PH	PH		
			Tractor HM300,HM301									
32203	PS	DQ100 DQ92	Truck	4,507	6	T	92.0 × 2.5 × 3.9	TF	FC	CH	PH	13011-1360A
			KM500,510,520D,540		2	92.0 × 2.5 × 3.9	TF	FC	PH	PH		
			KL501,521D,541,561		3	92.0 × 2.5 × 3.9	TF SP	FC	PH	PH		
			KQ500,520D,540,560		O	92.0 × 4.0 × 3.9	1F	FC	PH	PH		
					O	92.0 × 4.0 × 3.9	1F	FC	CH	PH		
32204	PS	EC100	Truck	5,010	6	T	97.0 × 2.5 × 4.2	BF	FD	CH	PH	13011-1400
			KL300,321,340,360,387		2	97.0 × 2.5 × 4.3	TF ST	FC	PH	PH	13011-1390	
			340K,360K,WB310		3	97.0 × 2.5 × 4.3	SP	FC	PH	PH	13019-1140A(cyl)	
			Bus		O	97.0 × 4.0 × 4.3	1F	FD	CH	PH		
			RL100,AM100,200		O	97.0 × 4.0 × 4.3	1F	FC	PH	PH		
			Tractor HL300,KJ300									
32258	2F	N04,W04D	Ranger	4,009	4	T	104.0 × 2.5 × 3.75	BF	ST	NT	NT	13011-78060
			Dutro		2	104.0 × 2.0 × 4.3	TF	FC	PH	PH		
			Liesse		O	104.0 × 4.0 × 4.3	2F	ST	NT	NT		
32296	2F	N04C/W04D			4	T	104.0 × 2.806 × 3.7	BF	ST	NT	NT	13011-78220
					2	104.0 × 2.0 × 4.3	TF	FC	PH	PH		
					O	104.0 × 4.0 × 4.3	2F	ST	NT	NT		
32277	2FAC	W04C-T	Bus	3,839	4	T	104.0 × 2.806 × 4.1	K BF	FD	CH	PH	S1304-E0240
			Rainbow		2	104.0 × 2.5 × 4.3	TF ST	FD	CH	PH	13011-2270A	
			RB145		O	104.0 × 5.0 × 4.55	2F	ST	CH	FE	13011-2270C	
										13011-2550B	13019-1160A(cyl)	
1cyl/set												
32286	2FAC	W04C-TI	Rainbow	3,839	4	T	104.0 × 2.806 × 4.1	K BF	FD	CH	PH	S1304-E170
					2	104.0 × 2.5 × 4.3	TF ST	FD	CH	PH	13011-2891A	
					O	104.0 × 4.0 × 4.55	2F	ST	CH	FE	13019-1180A(cyl)	
1cyl/set												
32235	2F	W04D	Ranger KM,FB112	4,009	4	T	104.0 × 2.5 × 4.3	BF	FD	CH	PH	13011-1973
					2	104.0 × 2.0 × 4.3	TF ST	FC	PH	PH	13011-2540	
					O	104.0 × 5.0 × 5.1	2F	FD	CH	PH		
32287	2F	W04D-J	Dutro	4,009	4	T	104.0 × 2.5 × 3.75	BF	ST	NT	NT	S1304-E0060
			Ranger		2	104.0 × 2.0 × 4.3	TF	FC	PH	PH	13011-3950A	
			Liesse		O	104.0 × 4.0 × 4.2	2F	ST	NT	NT	13019-1190A(cyl)	
1cyl/set												

TP No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape			Material	Surface Treatment		Reference
									①	②	③		Outside	Upper/Lower	
32236	2F	W06D	Rainbow AC,FC142	5,759	6	T	104.0 × 2.5 × 4.3	BF	FD	CH	PH	13011-1983			
						2	104.0 × 2.0 × 4.3	TF ST	FC	PH	PH	13011-2420			
						O	104.0 × 5.0 × 5.1	2F	FD	CH	PH	13011-2440			
32273	2F	W04D W06D	Ranger KM,FB112	4,009	4	T	104.0 × 2.5 × 4.3	BF	FD	CH	PH	13011-1973			
			HE526,HH541,TC562,WP330	5,759	6	2	104.0 × 2.0 × 4.3	TF ST	FC	PH	PH	13011-2540			
						O	104.0 × 5.0 × 5.1	2F	FD	CH	PH	13011-1983			
												13011-2420			
1cyl/set												13011-2440			
32201	PS	DS70 DS90	Truck	7,014	6	T	105.0 × 3.0 × 4.2	TF	FC	CH	PH	13011-1210			
			TE11,61,100,KL300,KL320		2	105.0 × 3.0 × 4.2	TF	FC	PH	PH	13011-1550A				
			Bus		3	105.0 × 3.0 × 4.2	TF SP	FC	PH	PH					
			RD100,120,BK11,BT10,30		O	105.0 × 4.5 × 4.2	1F	FC	CH	PH					
			Tractor		O	105.0 × 4.5 × 4.2	1F	FC	PH	PH					
			TE100D,TE100,120												
32222	PSBC	EH100	Truck	5,871	6	T	105.0 × 2.5 × 4.3	BF	FD	CH	PH	13011-1150			
			BH15,KL500,520,540		2	105.0 × 2.5 × 4.3	TF ST	FC	PH	PH	13011-1410				
			560,580,600,620,640		3	105.0 × 2.5 × 4.3	TF SP	FC	PH	PH					
			KR320,360,WB311,321		O	105.0 × 4.0 × 4.3	1F	FD	CH	PH					
			Bus		O	105.0 × 4.0 × 4.3	1F	FC	PH	PH					
			BX320,AM101												
			Tractor												
			HL100,KJ500,KU500												
			KR300,350,KV580,590												
32206	2F3PS	EH300	Truck	6,211	6	T	108.0 × 3.0 × 4.5	BF	FD	CH	PH	13011-1032A			
			KR301,321,361,KL501		2	108.0 × 2.5 × 4.5	TF ST	FC	CH	PH	13011-1062				
			KJ501,KU580		O	108.0 × 5.0 × 3.1	2F	FC	CH	PH					
			Bus		O	108.0 × 4.0 × 4.85	1F	FC	PH	PH					
			RD300,RL300,320												
32255	2FAC	H06C-T	Ranger	6,485	6	T	108.0 × 2.806 × 4.5	K BF	FD	CH	PH	13011-3520			
					2	108.0 × 2.0 × 4.5	TF ST	FD	CH	PH					
					3	108.0 × 2.0 × 4.5	TF SP	FD	CH	PH					
					O	108.0 × 4.0 × 4.25	2F	ST	CH	FE					
32237	2F	H06C-TA	Ranger FD	6,485	6	T	108.0 × 2.806 × 4.5	K BF	FD	CH	PH	13011-1961			
					2	108.0 × 2.5 × 4.5	TF ST	FC	PH	PH					
					3	108.0 × 2.5 × 4.5	TF SP	FD	CH	PH					
					O	108.0 × 5.0 × 4.65	2F	FD	CH	PH					
32261	2FAC	H06C-TI	Ranger	6,485	6	T	108.0 × 2.806 × 4.5	K BF	FD	CH	PH	13011-3281A			
					2	108.0 × 2.5 × 4.5	TF ST	FC	PH	PH					
					3	108.0 × 2.5 × 4.5	TF SP	FC	CH	PH					
					O	108.0 × 4.0 × 4.25	2F	ST	CH	FE					

TP No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape			Material	Surface Treatment		Reference
									①	②	③		Outside	Upper/Lower	
32202	PS	DS50 DS60 DS80	Truck		7,982	6	T	110.0 × 3.0 × 4.5	TF			FC	CH	PH	13011-1230
			TA14,14D,TC51				2	110.0 × 3.0 × 4.5	TF			FC	PH	PH	13011-1250
			TH17,61,80,320,340D				3	110.0 × 3.0 × 4.5	TF	SP		FC	PH	PH	13011-1261
			ZC34D,44D,ZH12D				O	110.0 × 4.5 × 3.5	1F			FC	CH	PH	13011-1650
			Bus				O	110.0 × 4.5 × 4.5	1F			FC	PH	PH	13011-1680
			BD15,15P,35,35P												13011-1830
			BG13,BH15												
			BT51,71,100H												
			RB10,10P,120,120P												
32239	2F3PS	EH700 H07C	Ranger FD174,175,176		6,443	6	T	110.0 × 3.0 × 4.1	BF			ST	CH		13011-1610B
			Ranger 4D,5D,7D				2	110.0 × 2.5 × 4.5	TF	ST		FC	PH	PH	13011-1620A
			Truck				3	110.0 × 2.5 × 4.5	TF	SP		FC	CH	PH	13011-2070A
			KL525,545,555,565,585				O	110.0 × 5.0 × 4.75	2F			ST	NT	NT	13011-2090
			KR305,325,365,LB595												
			FD171,172,174,175,176												
32247	2FAC	H07C-T	Truck		6,728	6	T	110.0 × 2.81 × 3.9	K	BF		ST	NT	NT	13011-2672
			FD, FG, SD, RR				2	110.0 × 2.0 × 4.1	TF			ST	NT	NT	13011-2671
							3	110.0 × 2.5 × 4.5	TF	SP		FC	CH	PH	
							O	110.0 × 4.0 × 4.2	2F			ST	NT	NT	
32256	2FAC	H07C-T-N	Truck		6,728	6	T	110.0 × 2.81 × 3.9	K	BF		ST	NT	NT	
			FD,FG,SD,RR				2	110.0 × 2.0 × 4.1	TF			ST	NT	NT	
							3	110.0 × 2.0 × 4.1	TF	SP		FC	CH	PH	
							O	110.0 × 3.0 × 3.6	2F			ST	NT	NT	
32262	2FAC	H07C-T2	Ranger		6,728	6	T	110.0 × 2.81 × 3.9	K	BF		ST	NT	NT	13011-3470A
							2	110.0 × 2.0 × 4.1	TF			ST	NT	NT	13011-3510A
							3	110.0 × 2.0 × 4.1	TF			ST	NT	NT	
							O	110.0 × 4.0 × 4.2	2F			ST	NT	NT	
32254	2FAC	H07D	Ranger		7,412	6	T	110.0 × 3.0 × 4.1	BF			ST	CH	PH	13011-2651
			FD,FG,GD				2	110.0 × 2.0 × 4.1	TF			ST	NT	NT	13011-2650
							O	110.0 × 4.0 × 4.2	2F			ST	NT	NT	13011-2660
32301	2FAC	H07D-2				6	T	110.0 × 3.0 × 4.35	BF			FD	CH	CH	13011-2651
							2	110.0 × 2.0 × 4.5	TF	ST		FD	CH	CH	
							O	110.0 × 4.0 × 4.25	2F			ST	CH	FE	
32272	2FAC	J05D-TB	Ranger		5,000	4	T	112.0 × 2.5 × 4.1	BF			ST	NT	NT	13011-E190
							2	112.0 × 2.0 × 4.1	TF			ST	NT	NT	S1304-E0150(cyl)
							O	112.0 × 4.0 × 4.1	2F			ST	NT	NT	
32297	2FAC	J05D-TB	Ranger		5,000	4	T	112.0 × 2.5 × 4.1	BF			ST	NT	NT	13011-E190
							2	112.0 × 2.0 × 4.1	TF			ST	NT	NT	S1304-E0150(cyl)
							O	112.0 × 4.0 × 4.1	2F			ST	NT	NT	
1cyl/set															

TP No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape ① ② ③	Material	Surface Treatment Outside Upper/Lower	Reference
32295	2FAC	J08ET	Ranger		7,684	6	T	112.0 × 2.5 × 4.1	BF	ST	NT NT	S1301-92080
							2	112.0 × 2.0 × 4.1	TF	ST	NT NT	
							O	112.0 × 4.0 × 4.1	2F	ST	NT NT	
32284	2FAC	YL86				4	T	112.0 × 2.94 × 4.1	K BF	FD	CH PH	13011-E0120
							2	112.0 × 2.0 × 4.1	TF	ST	NT NT	S1304-E0070(cyl)
							O	112.0 × 4.0 × 4.1	2F	ST	NT NT	
32271	2FAC	J05C	Ranger, Dutro Melpha, Liesse		5,307	4	T	114.0 × 2.5 × 4.1	BF	ST	NT NT	13011-3880A
							2	114.0 × 2.0 × 4.1	TF	ST	NT NT	13011-3940A
							O	114.0 × 4.0 × 4.1	2F	ST	NT NT	13019-1010B(cyl)
												S1304-E0210 13011-3221A 13019-1370A(cyl)
32298	2FAC	J05C	Ranger, Dutro Melpha, Liesse		5,307	4	T	114.0 × 2.5 × 4.1	BF	ST	NT NT	13011-3880A
							2	114.0 × 2.0 × 4.1	TF	ST	NT NT	13011-3940A
							O	114.0 × 4.0 × 4.1	2F	ST	NT NT	13019-1010B(cyl)
												S1304-E0210 13011-3221A 13019-1370A(cyl)
32270	2FAC	J05C-3	Ranger, Dutro Melpha, Liesse		5,307	4	T	114.0 × 3.0 × 4.5	BF	FD	CH PH	13011-3391B
							2	114.0 × 2.0 × 4.1	TF	ST	NT NT	13019-1380A(cyl)
							O	114.0 × 4.0 × 4.1	2F	ST	NT NT	
32269	2FAC	J07C-3	Ranger		6,634	5	T	114.0 × 3.0 × 4.5	BF	ST	NT NT	13011-3371B
							2	114.0 × 2.0 × 4.1	TF	ST	NT NT	13011-3371A
							O	114.0 × 4.0 × 4.1	2F	ST	NT NT	13019-1380A(cyl)
32300	2FAC	J08C-5				6	T	114.0 × 3.0 × 4.5	BF	FD	CH PH	13011-2960
							2	114.0 × 2.0 × 4.1	TF	ST	NT NT	
							O	114.0 × 4.0 × 4.1	2F	ST	NT NT	
32302	2FAC	J08C-5				6	T	114.0 × 3.0 × 4.5	BF	FD	CH PH	13011-2960
							2	114.0 × 2.0 × 4.1	TF	ST	NT NT	
							O	114.0 × 4.0 × 4.1	2F	ST	NT NT	
32263	2FAC	J08C	Selega Ranger Rainbow		7,961	6	T	114.0 × 2.5 × 4.1	BF	ST	NT NT	13011-3570A
							2	114.0 × 2.0 × 4.1	TF	ST	NT NT	13011-3820A
							O	114.0 × 4.0 × 4.15	2F	ST	NT NT	13011-3890B 13019-1010B(cyl)
32268	2FAC	J08C-3	Selega Ranger Rainbow		7,961	6	T	114.0 × 3.0 × 4.5	BF	FD	CH PH	13011-2960A
							2	114.0 × 2.0 × 4.1	TF	ST	NT NT	13011-2961A
							O	114.0 × 4.0 × 4.1	2F	ST	NT NT	13011-2962A 13019-1380A(cyl)
32294	2FAC	J08C-4				6	T	114.0 × 2.5 × 4.1	BF	ST	NT NT	S1304-E0040
							2	114.0 × 2.0 × 4.1	TF	ST	NT NT	
							O	114.0 × 4.0 × 4.2	2F	ST	NT NT	
32259	2FAC	S05C			5,307	4	T	114.0 × 2.5 × 4.1	BF	ST	NT NT	13011-3731A
							2	114.0 × 2.0 × 4.1	TF	ST	NT NT	13011-78031
							O	114.0 × 4.0 × 4.15	2F	ST	NT NT	

TP No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape			Material	Surface Treatment		Reference
									①	②	③		Outside	Upper/ Lower	
32285	2FAC	S05D				4	T	114.0 × 2.5 × 4.1	BF			ST	NT	NT	S1301-14070-B
							2	114.0 × 2.0 × 4.1	TF				NT	NT	S1301-91910-B(cyl)
							O	114.0 × 4.0 × 4.1	2F				NT	NT	
32215	PS	EB100 EB200	Truck	9,036	6	T	115.0 × 3.5 × 4.7	TF			FD	CH	PH	13011-1300	
			KB100D,120,300D,320			2	115.0 × 3.0 × 4.6	TF				FC	PH	PH	13011-1310
			340,360,380			3	115.0 × 3.0 × 4.6	TF SP				FC	PH	PH	13011-1690
			Bus			O	115.0 × 5.0 × 4.6	1F				FD	CH	PH	13011-1780
			RE100,100P,120,120P,140			O	115.0 × 5.0 × 4.6	1F				FC	PH	PH	
32230	2F	EL100	Truck	7,862	6	T	116.0 × 3.0 × 4.8	BF			FD	CH	PH	13011-1700	
			FG185,LB760			2	116.0 × 2.5 × 4.8	TF BT				FC	PH	PH	13011-1710
						3	116.0 × 2.5 × 4.8	TF SP				FC	CH	PH	
						O	116.0 × 5.0 × 4.65	2F				FC	CH	PH	
32208	DW	DK10,20 (OLD) (NEW) (TURBO)	Truck	10,178	6	T	120.0 × 3.5 × 4.6	BF			FD	CH	PH	3311-1205-05	
			BG100,TC301,311,321			2	120.0 × 3.5 × 4.6	TF BT				FC	PH	PH	13011-1200
			KA300,KF700,ZM100D,700			3	120.0 × 3.5 × 4.6	TF SP				FC	PH	PH	13011-1270
			Bus			O	120.0 × 5.0 × 4.55	2F				FC	CH	PH	13011-1280A
			RC300,300P,320,320P			O	120.0 × 5.0 × 4.6	1F				FD	CH	PH	13011-1290
			Tractor HE100,HF300,301,HH700 720												
32217	2FPS	EB300	Truck	9,838	6	T	120.0 × 3.5 × 4.6	BF			FD	CH	PH	13011-1330	
			KB112D,113D,122,303D			2	120.0 × 3.5 × 4.6	TF BT				FC	PH	PH	13011-1720
			313,314,322,342			3	120.0 × 3.5 × 4.6	TF SP				FC	PH	PH	13011-1730A
			362,382,383,392,720			O	120.0 × 6.0 × 5.3	2F				FC	CH	PH	3334-1205-09
			BG100,HE320,KH120												
			KB112D,304D,394,721												
32231	2F	EB400	Bus	9,838	6	T	120.0 × 3.306 × 4.6	K BF			FD	CH	PH	13011-1630	
			RE101,121,141,161,201			2	120.0 × 3.0 × 4.6	TF				FC	PH	PH	13011-1640A
						3	120.0 × 3.0 × 4.6	TF SP				FC	CH	PH	
						O	120.0 × 6.0 × 5.5	2F				FC	CH	PH	
32282	2FAC	EP100	Super Dolphin	8,821	6	T	120.0 × 3.306 × 4.8	BF			FD	CH	PH	13011-2760	
			FN288			2	120.0 × 2.806 × 4.8	TF BT				FD	CH	PH	13011-1952
			11.5ton			3	120.0 × 2.5 × 4.8	TF SP				FC	CH	PH	
						O	120.0 × 5.0 × 4.6	2F				ST	CH	FE	

TP No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape			Material	Surface Treatment		Reference
									①	②	③		Outside	Upper/Lower	
32264	2FAC	P11C P11B-TI YF67 YK15 YJ70	Blue Ribbon		10,520	6	T	122.0 × 3.306 × 4.4	K	BF		FD	CH	PH	13011-3110A
			Super Dolphin				2	122.0 × 2.306 × 4.8	K	TF		FC	CH	PH	13011-3111A
			Profia				3	122.0 × 2.0 × 4.8		TF	SP	FC	CH	PH	13011-3112A
							O	122.0 × 4.0 × 4.65	2F			ST	NT	NT	13011-3114A
															13011-3114B
															13011-3114C
															13011-3800A
															13011-3810A
															13011-3811A
															13011-3830A
															13011-3870A
															13011-3870A
															13019-1030B(cyl)
															13019-1510A
															13019-1520A(cyl)
32283	2FAC	EM100	Super Dolphin		9,419	6	T	124.0 × 2.806 × 5.0	K	BF		FD	CH	PH	13011-1921A
							2	124.0 × 2.5 × 5.0		TF	BT	FC	CH	PH	13011-1931
							3	124.0 × 3.0 × 5.0		TF	SP	FC	CH	PH	13019-1540A(cyl)
							O	124.0 × 5.0 × 5.05	2F			ST	CH	FE	
32275	2FAC	M10-U	Blue ribon HU		9,880	6	T	127.0 × 3.306 × 5.2	K	BF	BT	FD	CH	PH	13011-2870
							2	127.0 × 3.0 × 5.0		TF		FC	CH	PH	13011-2250
							3	127.0 × 3.0 × 5.2		TF	SP	FC	CH	PH	
							O	127.0 × 5.0 × 5.3	2F			ST	CH	FE	
32218	2FPS	ED100	Truck		11,581	6	T	128.0 × 3.5 × 4.8		BF		FD	CH	PH	13011-1470
			KB500,8G150D,ZM102				2	128.0 × 3.5 × 4.8		TF	BT	FC	PH	PH	13011-1480
			KF300D,320,340,355				3	128.0 × 3.5 × 4.8		TF	SP	FC	PH	PH	13011-1660
			360,365,380,385,390				O	128.0 × 6.0 × 5.5	2F			FC	CH	PH	13011-1670A
			TC302,322,342,362,382,921												3400-1205-09
32219	2FPS	EF100 EF100T	Truck		13,804	8	T	130.0 × 3.306 × 5.2	K	BF		FD	CH	PH	13011-1180A
			HE340,345,346				2	130.0 × 3.5 × 5.4		TF	BT	FC	PH	PH	13011-1570A
			TC701D,721,741,761,781				3	130.0 × 3.5 × 5.4		TF	SP	FC	PH	PH	13011-1580
			KF702S,722,742,762,765				O	130.0 × 6.0 × 5.1	2F			FC	CH	PH	13011-1590
			782,785,792												3391-1205-04
			ZM102D,301D,341,703D												
			743,763												
			KA340,KF701D,HH340												
			HK340												
			Bus												
			RV730P,750P												

TP No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape			Material	Surface Treatment		Reference
									①	②	③		Outside	Upper/Lower	
32225	2F3PS	EF300 EF350	Truck		14,232	8	T	132.0 × 3.3 × 5.2	K	BF		FD	CH	PH	13011-1091A,B
			KF703D,704,706,746,766				2	132.0 × 3.5 × 5.4		TF	BT	FC	PH	PH	13011-1100
			767,783,786,796,798				3	132.0 × 3.5 × 5.4		TF	SP	FC	CH	PH	13011-1101
			KS341,TC702D				O	132.0 × 6.0 × 5.4	2F			FC	CH	PH	
			ZM704D,705D,745,764,765												
			Bus												
32220	2FPS	EG100 EF500	Truck		14,886	8	T	135.0 × 3.306 × 5.4	K	BF		FD	CH	PH	13011-1131B
			KB500D,KS320,HE330		15,459		2	135.0 × 3.5 × 5.4		TF	BT	FC	PH	PH	13011-1141
			350,355				3	135.0 × 3.5 × 5.4		TF	SP	FC	PH	PH	13011-1142
			TC541,561,921,WB300				O	135.0 × 6.0 × 5.1	2F			FC	CH	PH	13011-1460
			ZM500D,540,560,580												13011-2150
			KF585,WP325												13011-2160
32251	2FAC	K13C	Truck		12,882	6	T	135.0 × 3.306 × 5.4	K	BF		FD	CH	PH	13011-2410
			FS,FR,FN				2	135.0 × 3.5 × 5.4		TF	BT	FD	CH	CH	13019-1580A
							3	135.0 × 3.5 × 5.4		TF	SP	FC	CH	PH	
							O	135.0 × 6.0 × 5.55	2F			ST	CH	FE	
32250	2FAC	K13C-TE	Truck		12,882	6	T	135.0 × 3.306 × 5.4	K	BF		FD	CH	PH	13011-3590
			FS,FR,FN				2	135.0 × 3.5 × 5.4		TF	BT	FD	CH	CH	
							3	135.0 × 3.5 × 5.4		TF	SP	FC	CH	PH	
							O	135.0 × 5.0 × 5.05	2F			ST	CH	FE	
32226	2F	EK100 EK130T EK200	Truck		13,267	6	T	137.0 × 3.306 × 5.4	K	BF		FD	CH	PH	13011-1010
							2	137.0 × 3.5 × 5.4		TF	BT	FD	PH	PH	13011-1011
			KB501D,KF301,391				3	137.0 × 3.5 × 5.4		TF	SP	FC	CH	PH	13011-1021B
			KS321,341,391				O	137.0 × 6.0 × 5.45	2F			FC	CH	PH	13011-1610A(cyl)
			TC303D,343,362,363,383,922												13011-2210A
32292	2F	EK100 EK130T EK200	Truck		13,267	6	T	137.0 × 3.306 × 5.4	K	BF		FD	CH	PH	13011-1010
						8	2	137.0 × 3.5 × 5.4		TF	BT	FD	PH	PH	13011-1011
			KB501D,KF301,391				3	137.0 × 3.5 × 5.4		TF	SP	FC	CH	PH	13011-1021B
			KS321,341,391				O	137.0 × 6.0 × 5.45	2F			FC	CH	PH	13011-1610A(cyl)
			TC303D,343,362,363,383,922												13011-2210A
32227	2F	EF700 EF750	Truck		15,920	8	T	137.0 × 3.306 × 5.4	K	BF		FD	CH	PH	13011-1111
			HE366,HH341,TC562				2	137.0 × 3.5 × 5.4		TF	BT	FC	PH	PH	13011-1121B
			ZM500,940				3	137.0 × 3.5 × 5.4		TF	SP	FC	CH	PH	13011-1122
							O	137.0 × 6.0 × 5.4	2F			FC	CH	PH	13011-2170B
															13011-2180

TP No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape			Material	Surface Treatment		Reference	
									①	②	③		Outside	Upper/ Lower		
32233	2F	EV700	Truck		19,900	10	T	137.0 × 3.306 × 5.4	K	BF		FD	CH	PH	13011-1740	
			HE526,HH541,TC562,WP330			2	137.0 × 3.5 × 5.4		TF	BT	FC	PH	PH	13011-1741		
						3	137.0 × 3.5 × 5.4		TF	SP	FC	CH	PH	13011-1751		
						O	137.0 × 6.0 × 5.4	2F		FC	CH	PH	13011-2200A			
														13019-1610A(cyl)		
1cyl/set																
32253	2FAC	K13D	Truck		13,267	6	T	137.0 × 3.306 × 5.4	K	BF		FD	CH	PH	13011-2970	
						2	137.0 × 3.5 × 5.4		TF	BT	FD	CH	PH	13011-2990		
						3	137.0 × 3.5 × 5.4		TF	SP	FC	CH	PH	13011-2991		
						O	137.0 × 5.0 × 5.34	2F		ST	CH	FE				
32293	2FAC	K13D	Truck		13,267	6	T	137.0 × 3.306 × 5.4	K	BF		FD	CH	PH	13011-2970	
		F17D	FS,FR,FN		8	2	137.0 × 3.5 × 5.4		TF	BT	FD	CH	PH	13011-2990		
						3	137.0 × 3.5 × 5.4		TF	SP	FC	CH	PH	13011-2991		
						O	137.0 × 5.0 × 5.34	2F		ST	CH	FE				
1cyl/set																
32248	2FAC	F17C	FS,FR,RU		17,238	8	T	139.0 × 3.306 × 5.4	K	BF		FD	CH	PH	13011-3150	
		F17E	FN,FW,SH			2	139.0 × 3.5 × 5.5		TF	BT	FD	CH	PH	13011-2810		
						3	139.0 × 3.5 × 5.5		TF	SP	FC	CH	PH	13011-2820		
						O	139.0 × 5.0 × 5.1	2F		ST	CH	FE	13011-3160			
													13019-1700A			
32279	2FAC	F17C	FS,FR,RU		17,238	8	T	139.0 × 3.306 × 5.4	K	BF		FD	CH	PH	13011-3150	
		F17E	FN,FW,SH			2	139.0 × 3.5 × 5.5		TF	BT	FD	CH	PH	13011-2810		
						3	139.0 × 3.5 × 5.5		TF	SP	FC	CH	PH	13011-2820		
						O	139.0 × 5.0 × 5.1	2F		ST	CH	FE	13011-3160			
													13019-1700A			
1cyl/set																
32274	2FAC	F17-2				8	T	139.0 × 3.306 × 5.4	K	BF		FD	CH	PH	AA92A-11120	
						2	139.0 × 3.5 × 5.5		TF	BT	FD	CH	PH			
						3	139.0 × 3.5 × 5.5		TF	SP	FC	CH	PH			
						O	139.0 × 4.0 × 4.3	2F		ST	NT	NT				
32252	2FAC	F20C	Truck		19,688	8	T	146.0 × 3.306 × 5.6	K	BF		FD	CH	PH	13011-2792	
			FS,FR,FO,FN,FW			2	146.0 × 3.5 × 5.6		TF	BT	FD	CH	PH			
			FY,SH,RU			3	146.0 × 3.5 × 5.7		TF	SP	FC	CH	PH			
						O	146.0 × 5.0 × 5.05	2F		ST	CH	FE				
32267	2FAC	F20C V25C	Super Dolphin		19,688	8	T	146.0 × 3.306 × 5.6	K	BF		FD	CH	PH	13011-2792A	
			PROFIA : SS	24,610	10	2	146.0 × 3.5 × 5.6		TF	BT	FD	CH	PH	13011-2980A		
						3	146.0 × 3.5 × 5.7		TF	SP	FC	CH	PH	13011-2981A		
						O	146.0 × 5.0 × 5.05	2F		ST	CH	FE	13011-3250A			
													13019-1710A(cyl)			
1cyl/set																
32278	2F	F20C-E	Ranger Truck		19,688	8	T	146.0 × 3.306 × 5.6	K	BF		FD	CH	PH	13011-3320A	
			Super Dolphin			2	146.0 × 3.0 × 5.6		TF	BT	FD	CH	PH	13019-1720A(cyl)		
			PROFIA:FS			3	146.0 × 3.0 × 5.7		TF	SP	FC	CH	PH			
						O	146.0 × 4.0 × 4.4	2F		ST	NT	NT				
1cyl/set																

1cyl/set

TP No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape ① ② ③	Material	Surface Treatment Outside Upper/Lower	Reference
32333	3F	N360	N360 TN360		354	2	T	62.5 × 1.5 × 2.8	TF	FC	CH PH	13011-567-325/cyl
							2	62.5 × 1.5 × 2.8	TF	FC	PH PH	13011-601-000/cyl
							O	62.5 × 2.5 × 2.75	3F	ST	CH PH	
32405	3F	E07A				3	T	66.0 × 1.0 × 2.6	BF BT	ST	CH FE	13011-P36-003
							2	66.0 × 1.2 × 2.6	TF	FC	PH PH	
							O	66.0 × 2.8 × 2.55	3F	ST	CH PH	
32401	3F	E07Z				3	T	66.0 × 1.2 × 2.3	BF	ST	CH FE	13011-PDF-004
							2	66.0 × 1.2 × 2.8	TF	FC	PH PH	
							O	66.0 × 2.8 × 2.55	3F	ST	CH PH	
32408	3F	PFB	ACTY			3	T	66.0 × 1.2 × 2.3	BF BT	ST	NT NT	13011-PFB-003
							2	66.0 × 1.2 × 2.6	TF	FC	PH PH	13011-PFB-J01
							O	66.0 × 2.8 × 2.55	3F	ST	CH PH	
32409	3F	PZ3	ACTY			3	T	66.0 × 1.2 × 2.4	BF BT	ST	CH PH	13011-PZ3-003
							2	66.0 × 1.2 × 2.6	TF	FC	PH PH	
							O	66.0 × 2.8 × 2.5	3F	ST	CH PH	
32345	3F	EB1	CIVIC 1200 EB1,SB1 New CIVIC		1,169	4	T	70.0 × 1.5 × 2.8	TF	FC	CH PH	13011-634-003/cyl
							2	70.0 × 1.5 × 2.8	TF	FC	PH PH	13011-634-004/cyl
							O	70.0 × 2.8 × 2.75	3F	ST	CH PH	13011-634-013/cyl
												13011-634-305/cyl
32363	3F	EB3	New CIVIC 1200		1,169	4	T	70.0 × 1.5 × 3.0	BF	FC	CH PH	13011-634-631/cyl
							2	70.0 × 1.5 × 3.3	TF	FC	PH PH	13011-PB0-004/cyl
							O	70.0 × 4.0 × 3.25	3F	ST	CH PH	
32346	3F	EB5	145 Coupe CD,H1400		1,433	4	T	72.0 × 1.5 × 3.4	TF	FC	CH PH	13011-642-003/cyl
							2	72.0 × 1.5 × 3.4	TF	FC	PH PH	13011-642-004/cyl
							O	72.0 × 2.8 × 2.95	3F	ST	CH FE	13011-642-305/cyl
32358	3F	EH	TN-Acty,Acty-Van VD,TA,TB		545	2	T	72.0 × 1.5 × 3.4	TF	FC	CH PH	13011-679-014/cyl
							2	72.0 × 1.5 × 3.4	TF	FC	PH PH	13011-679-621/cyl
							O	72.0 × 4.0 × 3.2	3F	ST	CH PH	
32355	3F	EJ EN	CIVIC 1200,1300 E-SL,E-SS,PAI,5,L-VE Ballade 1300 CIVIC Van J-VC,SC,SF,SV		1,335	4	T	72.0 × 1.5 × 3.3	BF	FD	CH PH	13011-673-000/cyl
							2	72.0 × 1.5 × 3.4	TF	FC	PH PH	13011-695-004/cyl
							O	72.0 × 4.0 × 3.15	3F	ST	CH PH	13011-PA0-004/cyl
					1,335							13011-PA1-004/cyl
32359	3F	EJ-2	CIVIC,CIVIC Van Ballade		1,335	4	T	72.0 × 1.0 × 2.8	BF	ST	CH FE	13011-PA5-014/cyl
							2	72.0 × 1.2 × 3.1	TF	FC	PH PH	13011-PA5-024/cyl
							O	72.0 × 2.8 × 2.95	3F	ST	CH FE	13011-PA5-034/cyl
32414	3F	RB1	Fit		1,500	4	T	73.0 × 1.0 × 2.3	BF BT	ST	NT NT	13011-RB1-004
							2	73.0 × 1.0 × 2.3	TF SP	ST	FE FE	
							O	73.0 × 2.0 × 2.15	3F	ST	NT NT	

TP No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape			Material	Surface Treatment		Reference
									①	②	③		Outside	Upper/Lower	
32397	3FAC	REA	Fit, City		1,300	4	T	73.0 × 1.0 × 2.3	BF	BT		ST	NT	NT	13011-REA-F01/cyl
							2	73.0 × 1.2 × 3.0	TF			FC	CH	PH	
							O	73.0 × 2.8 × 2.6	3F			ST	NT	NT	
32398	3F	REA-2 LDA-MF3	Fit, City		1,300	4	T	73.0 × 1.0 × 2.25	BF	BT		ST	CH	PH	13011-REA-Z01
							2	73.0 × 1.2 × 3.0	TF	SP		FC	PH	PH	13011-PWA-G01
							O	73.0 × 2.0 × 2.2	3F			ST	CH	PH	13011-PWC-J01
32347	3F	EC	CIVIC 1500, SE		1,488	4	T	74.0 × 1.5 × 3.2	TF			FC	CH	PH	13011-657-004/cyl
			CIVIC Van, VB				2	74.0 × 1.5 × 3.2	TF			FC	PH	PH	13011-657-315/cyl
							O	74.0 × 2.8 × 2.95	3F			ST	CH	PH	13011-657-604/cyl
32351	3F	ED	CIVIC 1500, WD		1,488	4	T	74.0 × 1.5 × 3.2	BF			FC	CH	PH	13011-657-670/cyl
		EF	ACCORD 1600, SJ		1,599		2	74.0 × 1.5 × 3.2	TF			FC	PH	PH	13011-657-673/cyl
		EE	Ballade 1500, SG, SH, ST				O	74.0 × 4.0 × 3.25	3F			ST	CH	FE	13011-657-671/cyl
		EV													13011-671-000/cyl
		EW													13011-671-004/cyl
		EM													13011-PA6-004/cyl
32364	3F	EM-2	CIVIC, PA6		1,488	4	T	74.0 × 1.2 × 2.8	BF			ST	CH	FE	13011-PA6-014/cyl
		EF-2	Ballade 1500				2	74.0 × 1.2 × 3.2	TF			FC	CH	PH	
							O	74.0 × 2.8 × 2.95	3F			ST	CH	PH	
32362	3FAC	EW	CIVIC		1,488	4	T	74.0 × 1.5 × 2.9	BF			FD	CH	PH	13011-PE3-004/cyl
		EV	Ballade		1,342		2	74.0 × 1.5 × 3.2	TF			FC	CH	PH	
							O	74.0 × 4.0 × 3.25	3F			ST	NT	PH	
32407	3F	P04	Partner		1,493	4	T	75.0 × 1.2 × 2.8	BF			ST	CH	PH	13011-P04-G02
		D15B7	DOMANI				2	75.0 × 1.5 × 3.2	TF			FC	PH	PH	
			CIVIC				O	75.0 × 2.8 × 2.85	3F			ST	CH	PH	
32375	3F	D16	CIVIC		1,600	4	T	75.0 × 1.2 × 2.75	BF			ST	NT	NT	13011-PM0-B02/cyl
		PM0	DOMANI				2	75.0 × 1.5 × 3.2	TF	SP		FC	CH	PH	13011-PM0-B03/cyl
			CR-X				O	75.0 × 4.0 × 2.85	3F			ST	NT	PH	
32381	3F	P08	CIVIC		1,500	4	T	75.0 × 1.0 × 2.6	BF	BT		ST	CH	PH	13011-P07-004/cyl
							2	75.0 × 1.2 × 3.0	TF	SP		FC	PH	PH	13011-P08-004/cyl
							O	75.0 × 2.8 × 2.5	3F			ST	CH	PH	
32376	3F	ZC	CIVIC		1,600	4	T	75.0 × 1.2 × 2.75	BF			ST	NT	NT	13011-PM5-G02/cyl
		D16A					2	75.0 × 1.5 × 3.2	TF	SP		FC	CH	PH	13011-PM6-G02/cyl
							O	75.0 × 2.8 × 2.6	3F			ST	NT	PH	
32400	3F	D17A1	CIVIC, Steam		1,668	4	T	75.0 × 1.0 × 2.6	BF	BT		ST	CH	PH	13011-PLM-A00
							2	75.0 × 1.2 × 3.0	TF			FC	PH	PH	13011-PLR-A00
							O	75.0 × 2.0 × 2.45	3F			ST	CH	PH	

TP No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape			Material	Surface Treatment		Reference
									①	②	③		Outside	Upper/Lower	
32357	3FBC	EK EP	ACCORD 1800,SM,SZ Prelude 1800,SN ACCORD 1600,SV Quint 1600		1,750	4	T	77.0 × 1.5 × 3.3	BF	TF	SP	FC	CH	CH	13011-676-601/cyl
							2	77.0 × 1.5 × 3.3					PH	PH	13011-676-602/cyl
							O	77.0 × 4.0 × 3.25					NT	PH	13011-676-604/cyl
									3F			ST			13011-676-642/cyl
															13011-676-005/cyl
															13011-689-013/cyl
															13011-689-015/cyl
															13011-PB1-003/cyl
															13011-PB2-005/cyl
															13011-PC3-601/cyl
															13011-PC3-603/cyl
															13011-PC4-601/cyl
32360	3FACBC	ES EY	ACCORD Prelude		1,829	4	T	80.0 × 1.5 × 3.4	BF	TF		FD	CH	CH	13011-PC6-004/cyl
							2	80.0 × 1.5 × 3.4					CH	PH	13011-PC6-013/cyl
							O	80.0 × 4.0 × 3.25					NT	NT	13011-PC7-023/cyl
									3F			ST			13011-PD6-003/cyl
															13011-PH1-003/cyl
32367	3F	A18A ES,EY-2 PH2	ACCORD,CA1 Prelude,AB		1,829	4	T	80.0 × 1.2 × 3.2	BF	TF		ST	CH	PH	13011-PD4-003/cyl
							2	80.0 × 1.2 × 3.3					PH	PH	13011-PH2-901/cyl
							O	80.0 × 2.8 × 2.8	3F			ST	CH	PH	13011-PH2-902/cyl
															13011-PH2-903/cyl
32391	3F	B16,B18 PR3 PR4	Integra		1,600	4	T	81.0 × 1.0 × 3.05	BF	BT		ST	CH	FE	13011-PR3-003/cyl
							2	81.0 × 1.2 × 3.3					PH	PH	13011-PR3-004/cyl
							O	81.0 × 2.8 × 2.55	3F			ST	CH	PH	13011-PR4-A01/cyl
32368	3F	B20A B18A	ACCORD 2000,CA3 Prelude 2000,BA1 ACCORD 1800,CA2		1,958	4	T	81.0 × 1.2 × 2.8	BF	TF		ST	CH	PH	13011-PH3-003/cyl
							2	81.0 × 1.5 × 3.4					PH	PH	13011-PH3-901/cyl
							O	81.0 × 2.8 × 2.9	3F			ST	NT	PH	13011-PH5-003/cyl
															13011-PJ5-601/cyl
															13011-PK1-003/cyl
32402	3F	RNA R18A1	CIVIC			4	T	81.0 × 1.2 × 2.45	BF	BT		ST	CH	FE	13011-RNA-A01
							2	81.0 × 1.2 × 3.3					PH	PH	13011-RNA-A02
							O	81.0 × 2.0 × 2.45	3F			ST	CH	PH	
32411	3F	RZP	ACCORD CR-V		2,000	4	T	81.0 × 1.2 × 2.45	BF	BT		ST	CH	PH	13011-RZP-003
							2	81.0 × 1.2 × 3.4					PH	PH	13011-RZP-004
							O	81.0 × 2.0 × 2.5	3F			ST	NT	NT	
32392	3F	PV0	Ascot Sabar Inspire		2,000	4	T	82.0 × 1.2 × 3.05	BF	TF		ST	CH	PH	13011-PV0-003/cyl
							2	82.0 × 1.2 × 3.3					PH	PH	13011-PV0-004/cyl
							O	82.0 × 2.8 × 2.75	3F			ST	CH	PH	13011-PV0-013/cyl
															13011-PV0-014/cyl
32370	3F	A20A	ACCORD 2000		2,000	4	T	82.7 × 1.5 × 3.2	BF	TF		ST	CH	PH	13011-PH4-003/cyl
							2	82.7 × 1.5 × 3.4					PH	PH	13011-PH4-601/cyl
							O	82.7 × 4.0 × 3.2	3F			ST	CH	PH	13011-PH4-602/cyl

TP No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape			Material	Surface Treatment		Reference
									①	②	③		Outside	Upper/Lower	
32388	3FAC	A20A-2	Prelude		2,000	4	T	82.7 × 1.5 × 3.1	BF			ST	NT	NT	13011-PH4-751
							2	82.7 × 1.5 × 3.4	TF			FC	PH	PH	
							O	82.7 × 4.0 × 3.25	3F			ST	CH	PH	
32387	3F	B20B P3F	CR-V,SMX Stepwgn,Orthia		1,972	4	T	84.0 × 1.2 × 3.1	BF BT			ST	CH	FE	13011-P3F-003/cyl
							2	84.0 × 1.2 × 3.4	TF			FC	PH	PH	
							O	84.0 × 2.8 × 2.6	3F			ST	CH	PH	
32372	3F	C25A-2	Legend 2500		2,493	6	T	84.0 × 1.2 × 3.1	BF BT			ST	CH	FE	13011-PH7-003/cyl
							2	84.0 × 1.2 × 3.4	TF			FC	PH	PH	
							O	84.0 × 4.0 × 3.15	3F			ST	CH	PH	
32396	3F	PHK	CR-V		2,000	4	T	84.0 × 1.2 × 3.1	BF BT			ST	CH	PH	13011-PHK-003/cyl
							2	84.0 × 1.2 × 3.4	TF SP			FC	PH	PH	
							O	84.0 × 2.8 × 2.6	3F			ST	CH	PH	
32374	3F	F20A	ACCORD 2000		1,997	4	T	85.0 × 1.2 × 3.1	BF			ST	CH	PH	13011-PT0-B01/cyl
							2	85.0 × 1.2 × 3.4	TF			FC	PH	PH	13011-PT0-B02/cyl
							O	85.0 × 2.8 × 2.6	3F			ST	NT	PH	
32378	3F	F22A PT4 F22B	ACCORD		2,200	4	T	85.0 × 1.2 × 3.1	BF			ST	CH	PH	13011-PT4-X01/cyl
							2	85.0 × 1.2 × 3.4	TF			FC	PH	PH	13011-PT4-X02/cyl
							O	85.0 × 2.8 × 2.6	3F			ST	NT	PH	13011-PT4-X03/cyl
															13011-PT4-X04/cyl
32383	3F	F22B F20B F18B	ACCORD,Prelude		2,156	4	T	85.0 × 1.2 × 3.1	BF			ST	CH	PH	13011-POA-004/cyl
					1,997		2	85.0 × 1.2 × 3.4	TF			FC	PH	PH	13011-PT2-003/cyl
					1,849		O	85.0 × 2.8 × 2.6	3F			ST	NT	PH	13011-PT2-004/cyl
32417	2FAC	N22A1				4	T	85.0 × 2.5 × 2.75	K BF			ST	NT	NT	13011-RL0-G00
							2	85.0 × 1.5 × 2.7	TF SP			ST	NT	NT	13012-RL0-G00
							O	85.0 × 2.0 × 2.75	2F			ST	NT	NT	
32386	3F	P1R D0A	Sabar,ACCORD Prelude		2,200	4	T	85.0 × 1.2 × 3.1	BF			ST	CH	PH	13011-PT0-B04/cyl
					2,500		2	85.0 × 1.2 × 3.4	TF			FC	PH	PH	
							O	85.0 × 2.8 × 2.6	3F			ST	NT	NT	
32416	3F	P1R				4	T	85.0 × 1.2 × 3.05	BF BT			ST	CH	PH	13011-P1R-003
							2	85.0 × 1.2 × 3.4	TF			FC	PH	PH	
							O	85.0 × 2.8 × 2.85	3F			ST	CH	PH	
32394	3F	PCB	ACCORD		2,000	4	T	85.0 × 1.2 × 3.1	BF			ST	CH	PH	13011-PCB-003/cyl
							2	85.0 × 1.2 × 3.4	TF			FC	PH	PH	
							O	85.0 × 2.8 × 2.6	3F			ST	NT	PH	
32380	2FAC	PT1CA	ACCORD		2,000	4	T	85.0 × 1.2 × 3.15	BF			ST	NT	PH	13011-PT1-M02/cyl
					2,200		2	85.0 × 1.2 × 3.4	TF			FC	CH	PH	13011-PT1-505
							O	85.0 × 3.0 × 3.67	2F			ST	NT	NT	
32384	3F	PAA F23A	ODYSSEY			4	T	86.0 × 1.2 × 2.7	BF			ST	NT	NT	13011-PAA-Y01/cyl
							2	86.0 × 1.2 × 3.1	TF SP			FC	PH	PH	13011-PN8-P01
							O	86.0 × 2.8 × 2.9	3F			ST	CH	PH	
32395	3F	PEA	ODYSSEY		2,300	4	T	86.0 × 1.2 × 2.7	BF			ST	NT	NT	13011-PEA-003/cyl
							2	86.0 × 1.2 × 3.1	TF SP			FC	PH	PH	
							O	86.0 × 2.8 × 2.9	3F			ST	CH	PH	

TP No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape			Material	Surface Treatment		Reference	
									①	②	③		Outside	Upper/Lower		
32410	3F	PNA	STEP WAGON			4	T	86.0 × 1.2 × 2.5	BF			ST	CH	PH	13011-PNA-013	
							2	86.0 × 1.2 × 3.4	TF				FC	PH		PH
							O	86.0 × 2.0 × 2.5	3F				ST	CH		PH
32399	3F	PNE K20A1	CIVIC CR-V		1,998	4	T	86.0 × 1.2 × 3.05	BF			ST	CH	PH	13011-PNE-G02	
							2	86.0 × 1.2 × 3.4	TF				FC	PH		PH
							O	86.0 × 2.0 × 2.5	3F				ST	PV		PH
32390	3F	PVB	Prelude		2,000	4	T	86.0 × 1.2 × 2.7	BF			ST	NT	NT	13011-PVB-003/013	
							2	86.0 × 1.2 × 3.1	TF SP				FC	PH		PH
							O	86.0 × 2.8 × 2.9	3F				ST	CH		PH
32403	3F	J30A4	ACCORD(2003-2007)			6	T	86.0 × 1.2 × 3.05	BF			ST	CH	PH	13011-RCA-A01	
							2	86.0 × 1.2 × 3.4	TF				FC	PH		PH
							O	86.0 × 2.8 × 2.85	3F				ST	CH		PH
32373	3F	C27A	Legend 2700		2,675	6	T	87.0 × 1.2 × 3.2	BF BT			ST	CH	FE	13011-PL2-003/cyl	
							2	87.0 × 1.2 × 3.5	TF BT				FC	PH		PH
							O	87.0 × 4.0 × 3.15	3F				ST	CH		PH
32404	3F	K24A4	ACCORD(2003)			4	T	87.0 × 1.2 × 3.1	BF BT			ST	NT	NT	13011-RAF-S01	
							2	87.0 × 1.2 × 3.4	TF SP				FC	PH		PH
							O	87.0 × 2.8 × 2.75	3F				ST	CH		PH
32393	3FAC	P13 P14	ACCORD Prelude		2,200	4	T	87.0 × 1.2 × 3.15	BF BT			ST	NT	NT	13011-P13-003/cyl	
							2	87.0 × 1.2 × 3.2	TF SP				FD	CH		PH
							O	87.0 × 2.8 × 2.65	3F				ST	NT		NT
32406	3F	RAD PPA	CR-V			4	T	87.0 × 1.2 × 3.1	BF BT			ST	NT	NT	13011-RAD-004	
							2	87.0 × 1.2 × 3.4	TF SP				FC	PH	PH	13011-PPA-004
							O	87.0 × 2.0 × 2.45	3F				ST	CH	PH	
32389	3FAC	P5M	Prelude		2,200	4	T	87.0 × 1.2 × 3.15	BF BT			ST	NT	NT	13011-P5M-003/013	
							2	87.0 × 1.2 × 3.2	TF SP				FD	CH		PH
							O	87.0 × 2.8 × 2.65	3F				ST	NT		NT
32413	3F	R70	ACCORD		3,500	6	T	89.0 × 1.2 × 3.05	BF BT			ST	CH	PH	13011-R70-A01	
							2	89.0 × 1.2 × 3.6	TF				FC	PH		PH
							O	89.0 × 2.8 × 2.85	3F				ST	CH		PH
32385	3FAC	C32A	NSX		3,179	6	T	90.0 × 1.2 × 3.3	BF			ST	NT	NT	13011-PY3-003/cyl	
							2	90.0 × 1.2 × 3.6	TF				FC	CH	PH	13011-PY3-004/cyl
							O	90.0 × 2.8 × 2.85	3F				ST	CH	PH	13011-PY3-Y01/cyl 13011-PY3-Y02/cyl
32415	3F	PY3				4	T	90.0 × 1.2 × 3.3	BF BT			ST	CH	PH	13011-PY3-003	
							2	90.0 × 1.2 × 3.6	TF				FC	PH		PH
							O	90.0 × 2.8 × 2.65	3F				ST	NT		NT

TP No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape ① ② ③	Material	Surface Treatment Outside Upper/Lower	Reference
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32586	2F	3KB1 3KA1	For Industrial Machine	877	3	T	70.0 × 2.0 × 3.2	BF	FC	CH	PH	8-94411-305-0/cyl
						2	70.0 × 1.5 × 3.2	TF	FC	PH	PH	
						O	70.0 × 3.5 × 3.45	2F	ST	CH	FE	
32620	2F	3LA1	For Industrial Machine		3	T	70.0 × 2.0 × 2.8	BF	FD	CH	CH	8-97048-921-0/cyl
						2	70.0 × 1.5 × 3.1	TF SP	FC	PH	PH	
						O	70.0 × 3.5 × 3.5	2F	ST	CH	FE	
32588	2F	3KC1	For Industrial Machine		3	T	74.0 × 2.0 × 3.2	BF	FC	CH	PH	8-94411-295-1/cyl
						2	74.0 × 1.5 × 3.2	TF BT	FC	PH	PH	
						O	74.0 × 3.5 × 3.55	2F	ST	CH	FE	
32564	2FAC	3AF-1	For Industrial Machine		3	T	76.0 × 2.0 × 3.4	BF	FD	CH	PH	5-12121-012-0/cyl
						2	76.0 × 2.0 × 3.4	TF	FC	CH	PH	
						O	76.0 × 4.0 × 4.2	2F	FC	CH	PH	
32589	2FAC	4EC1	Gemini Diesel JT600	1,487	4	T	76.0 × 2.0 × 3.1	BF	FD	CH	PH	8-94144-187-0/cyl
						2	76.0 × 1.5 × 3.1	TF	ST	CH	PH	8-94332-767-1/cyl
						O	76.0 × 3.0 × 3.55	2F	ST	CH	FE	
32659	2FAC	4FE1	Gemini	1,487	4	T	76.3 × 2.0 × 3.3	BF	FD	CH	PH	8-94169-748-0
						2	76.3 × 2.0 × 3.3	TF	FC	CH	PH	
						O	76.3 × 4.0 × 4.0	2F	ST	NT	NT	
32590	3FAC	4XC1	Gemini/JT150	1,471	4	T	77.0 × 1.5 × 3.3	BF BT	FD	CH	PH	8-94141-947-0/cyl
						O	77.0 × 2.8 × 3.1	3F	ST	NT	NT	
32591	3FAC	4XC1-H 4XC1-T	Gemini	1,471	4	T	77.0 × 1.2 × 2.95	BF	ST	NT	NT	8-94162-769-0/cyl
						2	77.0 × 1.2 × 3.5	TF BT	FC	CH	PH	8-94109-650-0/cyl
						O	77.0 × 2.8 × 3.1	3F	ST	NT	PH	
32621	2F	3LB1	For Industrial Machine		3	T	77.4 × 2.0 × 3.1	BF	FD	CH	CH	8-97113-762-0/cyl
						2	77.4 × 1.5 × 3.2	TF SP	FC	PH	PH	
						O	77.4 × 3.5 × 3.5	2F	ST	CH	FE	
32630	2FBC	4LB1	For Industrial Machine		4	T	77.4 × 2.0 × 3.1	BF	FD	CH	CH	8-97034-609-0/cyl
						2	77.4 × 1.5 × 3.2	TF	FC	PH	PH	
						O	77.4 × 3.5 × 3.5	2F	ST	CH	FE	
32613	2F	4EE1,4EE2	Gemini	1,686	4	T	79.0 × 2.0 × 2.75	BF	ST	NT	PH	8-94381-709-1/cyl
						2	79.0 × 1.5 × 3.2	TF	FD	CH	PH	
						O	79.0 × 3.0 × 3.56	2F	ST	CH	FE	
32565	DWAC	3AE-1	For Industrial Machine		3	T	80.0 × 2.0 × 3.5	BF	FD	CH	PH	5-12121-011-0/cyl
						2	80.0 × 2.0 × 3.5	TF	FC	CH	PH	
						O	80.0 × 4.0 × 4.0	2F	FC	CH	PH	
32592	2F	3KR1 3KR2	For Industrial Machine		3	T	81.0 × 2.0 × 3.4	BF	FC	CH	PH	8-94421-650-0/cyl
						2	81.0 × 1.75 × 3.4	TF BT	FC	PH	PH	8-94378-440-0/cyl
						O	81.0 × 4.0 × 4.0	2F	ST	CH	FE	

ISUZU

TP No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape			Material	Surface Treatment		Reference
									①	②	③		Outside	Upper/Lower	
32534	3F	G161Z G161W G161AB	Florian 1600		1,584	4	T	82.0 × 2.0 × 3.8	TF			FC	CH	PH	9-12181-141/cyl
			117Coupe,PA90				2	82.0 × 2.0 × 3.7	TF			FC	PH	PH	9-12181-113/cyl
							O	82.0 × 4.0 × 3.6	3F			ST	CH	PH	9-12181-616/cyl
			ELF Truck												8-94206-294/cyl
			Foster KA41,50,KAG41,51,PA20												8-94216-639/cyl
32570	3FAC	G161-2	LUV/Pick-Up		1,584	4	T	82.0 × 1.5 × 3.5	BF			ST	CH	FE	8-94244-403-0/cyl
			Truck				2	82.0 × 1.5 × 3.8	TF			FC	CH	PH	8-94130-293-0/cyl
							O	82.0 × 4.0 × 3.15	3F			ST	CH	PH	
32605	3FAC	4ZA1	PF50		1,584	4	T	82.0 × 1.5 × 2.95	BF			ST	NT	NT	8-94452-743-0/cyl
							2	82.0 × 1.5 × 3.3	TF			FD	CH	PH	
							O	82.0 × 4.0 × 3.05	3F			ST	NT	PH	
32502	2FT	C220	ELF		2,207	4	T	83.0 × 2.0 × 3.4	TF			FC	PH	PH	9-12181-057/cyl
			TLD11,11D,11V,21,21V,21				2	83.0 × 2.0 × 3.4	TF			FC	PH	PH	9-12181-062/cyl
			W,60				3	83.0 × 2.0 × 3.4	TF SP			FC	PH	PH	9-12181-100/cyl
			TL321,351,TK351W		1,991		O	83.0 × 4.0 × 4.0	2F			FC	PH	PH	
			Elfin				O	83.0 × 4.0 × 3.4	1F			FC	PH	PH	
			TKD11,11V,11W Truck TLD21V,30,30V,50 Bus BLD11,22,TLD11B,21B BL371,TL321B,351B												
32521	2FT	C221 CP221P C201 C201P	ELF		2,207	4	T	83.0 × 2.0 × 3.4	TF			FC	PH	PH	5-12121-013/cyl
			TLD12,22,22V(F),22W				2	83.0 × 2.0 × 3.4	TF			FC	PH	PH	5-12121-014/cyl
			32,52,62				3	83.0 × 2.0 × 3.4	TF SP			FC	PH	PH	5-12181-015/cyl
			BLD22				O	83.0 × 5.0 × 3.9	2F			FC	PH	PH	9-12181-122/cyl
							O	83.0 × 5.0 × 3.2				FC	PH	PH	
32622	2F	3LD1	For Industrial Machine			3	T	83.1 × 2.0 × 3.3	BF			FD	CH	PH	8-97113-503-0/cyl
							2	83.1 × 1.75 × 3.6	TF SP			FC	PH	PH	
							O	83.1 × 4.0 × 4.25	2F			ST	CH	PH	
32536	3F	G180Z G180S G180SS	Bellet 1800		1,817	4	T	84.0 × 2.0 × 3.6	BF			FD	CH	PH	9-12181-615/cyl
			Florian 1800				2	84.0 × 2.0 × 3.7	TF			FC	PH	PH	9-12181-605/cyl
			117Coupe,PA30,PR95				O	84.0 × 4.0 × 3.15	3F			ST	CH	PH	8-94208-205-0/cyl
32572	3F	G180-2 4ZB-1 4ZB-1-J	LUV		1,817	4	T	84.0 × 1.5 × 3.1	BF			ST	CH	FE	8-94244-404-0/cyl
			ASKA				2	84.0 × 1.5 × 3.6	TF			FC	PH	PH	8-94235-877-0/cyl
							O	84.0 × 4.0 × 3.15	3F			ST	CH	FE	8-94249-218-0/cyl
															8-94141-443-0/cyl
32556	2FACBC	4FB-1 4FC-1	Gemini Diesel PFD60		1,817	4	T	84.0 × 2.5 × 3.5	BF			FD	CH	PH	8-94224-221/cyl
			Fargo,ASKA		1,995		2	84.0 × 2.0 × 3.5	TF			FC	CH	PH	8-94139-973/cyl
							O	84.0 × 4.0 × 4.2	2F			FC	CH	PH	

TP No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape			Material	Surface Treatment		Reference
									①	②	③		Outside	Upper/Lower	
32624	DW	4LE1	For Industrial Machine			4	T	85.0 × 2.0 × 3.3	BF			FD	CH	PH	8-97141-208-0/cyl
							2	85.0 × 1.75 × 3.7	TF BT			FC	PH	PH	
							O	85.0 × 4.0 × 4.25	2F			ST	CH	FE	
32669	2FAC	4LE17/LE2X				4	T	85.0 × 2.0 × 2.95	HK BF			ST	NT	NT	8-98114-299-0/cyl
							2	85.0 × 2.0 × 3.25	TF			FC	CH	PH	
							O	85.0 × 3.0 × 3.3	2F			ST	NT	NT	
32635	3F	C22-NE				4	T	86.0 × 1.5 × 3.3	BF			ST	CH	FE	8-92064-591-0/cyl
							2	86.0 × 1.5 × 3.4	TF SP			FC	PH	PH	
							O	86.0 × 3.0 × 2.85	3F			ST	CH	PH	
32569	2FT	C190-2 C240-2	ELF 150,250		1,951	4	T	86.0 × 2.5 × 4.0	TF			FC	CH	PH	5-12121-021-0/cyl
							2	86.0 × 2.0 × 3.5	TF SP			FC	PH	PH	8-94104-949-0/cyl
							O	86.0 × 5.0 × 3.8	2F			FC	PH	PH	
32648	3F	C190G	Florian VAN		1,951	4	T	86.0 × 2.0 × 3.3	BF			ST	NT	NT	5-12121-008-0
							2	86.0 × 2.0 × 3.5	TF			FC	CH	PH	
							3	86.0 × 2.0 × 3.5	TF SP			FC	CH	PH	
							O	86.0 × 5.0 × 4.35	2F			ST	CH	PH	
32527	2FT	C240	KVD20,20VF,PAD30,30V		2,369	4	T	86.0 × 2.0 × 3.5	TF			FC	PH	PH	5-12181-027-0/cyl
							2	86.0 × 2.0 × 3.5	TF			FC	PH	PH	5-12121-007-0/cyl
							3	86.0 × 2.0 × 3.5	TF SP			FC	PH	PH	9-12181-603/cyl
							O	86.0 × 5.0 × 3.8	2F			FC	PH	PH	
62527	2FT	C240	KVD20,20VF,PAD30,30V		2,369	4	T	86.0 × 2.0 × 3.5	TF			FC	PH	PH	5-12181-027-0/cyl
							2	86.0 × 2.0 × 3.5	TF			FC	PH	PH	5-12121-007-0/cyl
							3	86.0 × 2.0 × 3.5	TF SP			FC	PH	PH	9-12181-603/cyl
							O	86.0 × 5.0 × 3.8	2F			FC	PH	PH	
32600	2FT	C240	Truck		2,369	4	T	86.0 × 2.0 × 3.5	TF			FC	PH	PH	5-12121-007-0/cyl
			KAD41,42,51,52				2	86.0 × 2.0 × 3.5	TF			FC	PH	PH	9-12181-603/cyl
			KB40,41,KBD20,26,40				3	86.0 × 2.0 × 3.5	TF SP			FC	PH	PH	
			KUD20Z,TCD23				O	86.0 × 5.0 × 3.8	2F			FC	PH	PH	
		C190	TLD,23ZP,23ZV,33 Bus BLD24,KAD51,51ZB,52 TLD13,23(V,Z)43,53,63												
32528	2FT	C240	ELF		2,369	4	T	86.0 × 2.0 × 3.5	TF			FC	PH	PH	9-12181-138/cyl
			KAD41V,50NV,51V(NV,ZV)				2	86.0 × 2.0 × 3.5	TF			FC	PH	PH	
							3	86.0 × 2.0 × 3.5	TF SP			FC	PH	PH	
							O	86.0 × 5.0 × 3.8	2F			FC	PH	PH	
							O	86.0 × 5.0 × 3.5	1F			FC	PH	PH	
62528	2FT	C240	ELF		2,369	4	T	86.0 × 2.0 × 3.5	TF			FC	PH	PH	9-12181-138/cyl
			KAD41V,50NV,51V(NV,ZV)				2	86.0 × 2.0 × 3.5	TF			FC	PH	PH	
							3	86.0 × 2.0 × 3.5	TF SP			FC	PH	PH	
							O	86.0 × 5.0 × 3.8	2F			FC	PH	PH	
							O	86.0 × 5.0 × 3.5	1F			FC	PH	PH	

TF No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape			Material	Surface Treatment		Reference
									①	②	③		Outside	Upper/ Lower	
32601	2FT	C240	ELF		2,369	4	T	86.0 × 2.0 × 3.5	TF			FC	PH	PH	9-12181-138-0/cyl
							2	86.0 × 2.0 × 3.5	TF				PH	PH	
							3	86.0 × 2.0 × 3.5	TF SP				PH	PH	
							O	86.0 × 5.0 × 3.8	2F				PH	PH	
							O	86.0 × 5.0 × 3.5	1F				PH	PH	
32661	3F	22LE	Crew Cab		2,200	4	T	86.0 × 1.5 × 3.6	BF			FD	CH	PH	8-92064-589-0/cyl
		C22NE	Single Cab				2	86.0 × 1.5 × 3.4	TF SP				PH	PH	
			Space Cab				O	86.0 × 3.0 × 3.05	3F				CH	PH	
32538	AC	G201	Truck		1,951	4	T	86.0 × 2.5 × 4.1	BF			FC	CH	PH	9-12181-602/cyl
			TLG12,22,32,42,52,62				2	86.0 × 2.5 × 4.1	TF SP				CH	PH	
			KVG20,20VF				O	86.0 × 5.0 × 4.1	1F				CH	PH	
			Bus												
			BLG22,22B,24												
32678	3F	X22SE	Amigo		2,200	4	T	86.0 × 1.5 × 3.3	BF			ST	CH	FE	8-92062-027-0/cyl
			Rodeo				2	86.0 × 1.5 × 3.4	TF				PH	PH	
			ELF2.2				O	86.0 × 3.0 × 2.85	3F				CH	PH	
32679	3F	X22SE	Amigo		2,200	4	T	86.0 × 1.2 × 3.1	BF			ST	NT	NT	8-92065-115-0/cyl
			Rodeo				2	86.0 × 1.5 × 3.4	TF				PH	PH	
			ELF2.2				O	86.0 × 2.5 × 2.75	3F				CH	PH	
32555	3FAC	G200	117Coupe PA96		1,949	4	T	87.0 × 2.0 × 3.8	BF			FC	CH	PH	8-94216-641/cyl
							2	87.0 × 2.0 × 3.85	TF				CH	PH	
							O	87.0 × 4.0 × 3.2	3F				CH	PH	
32577	3F	G200ZN	Chevrolet LUV		2,000	4	T	87.0 × 1.5 × 3.15	BF			ST	NT	NT	8-94130-295/cyl
							2	87.0 × 1.5 × 3.6	TF				CH	PH	
							O	87.0 × 4.0 × 3.05	3F				CH	PH	
32657	3F	D-MAX 2.4L	D-MAX		2,400	4	T	87.5 × 1.2 × 2.9	BF			ST	NT	NT	8-93359-241
							2	87.5 × 1.5 × 3.7	TF SP				PH	PH	
							O	87.5 × 2.5 × 3.05	3F				CH	PH	
32557	2F	C223	117Coupe Diesel		2,238	4	T	88.0 × 2.5 × 3.6	BF			FC	CH	PH	5-12121-017/cyl
			PAD96				2	88.0 × 2.0 × 3.8	TF				PH	PH	
							O	88.0 × 4.5 × 4.6	2F				PH	PH	
32574	2FT	C223-2	Bighorn,Rodio		2,238	4	T	88.0 × 2.0 × 3.5	BF			FC	PH	PH	8-94253-736-0/cyl
							2	88.0 × 2.0 × 3.5	TF SP				PH	PH	
							O	88.0 × 4.0 × 4.0	2F				PH	PH	
32640	2F	D201				1	T	88.0 × 2.0 × 3.3	BF			ST	NT	NT	
							2	88.0 × 2.0 × 3.3	TF				PH	PH	
							3	88.0 × 2.0 × 3.3	TF SP				PH	PH	
							O	88.0 × 4.0 × 4.2	2F				NT	NT	
1cyl/set															
32650	2FAC	4FD1	Rodio			4	T	88.0 × 2.0 × 3.15	BF			ST	NT	NT	8-94250-730/cyl
			Bighorn				2	88.0 × 2.0 × 3.5	TF SP				CH	PH	
							O	88.0 × 4.0 × 4.2	2F				NT	NT	
32573	3F	4ZC-1	ASKA		1,994	4	T	88.0 × 1.5 × 3.5	BF			ST	CH	PH	8-94235-878-0/cyl
		4ZC-1J					2	88.0 × 1.5 × 3.8	TF				CH	PH	
		4ZC-1JExp					O	88.0 × 4.0 × 3.2	3F				CH	PH	

TF No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape			Material	Surface Treatment		Reference	
									①	②	③		Outside	Upper/ Lower		
32598	2F	4FG1	WFR62		2,400	4	T	89.3 × 2.0 × 3.15	BF			ST	NT	NT	8-94469-634-0/cyl	
							2	89.3 × 2.0 × 3.7	TF				FC	CH		PH
							O	89.3 × 4.0 × 4.25	2F				ST	CH		FE
32579	3FAC	4ZD-1 4ZD-1Exp	Chevolet LUV		2,254	4	T	89.3 × 1.5 × 3.5	BF			ST	CH	PH	8-94136-778-0/cyl	
							2	89.3 × 1.5 × 3.8	TF				FC	CH	PH	8-94153-966-0/cyl
							O	89.3 × 4.0 × 2.9	3F				ST	CH	PH	
32516	2FT	D370	Truck TY20,20D,30,40		3,664	6	T	90.0 × 2.5 × 3.9	TF			FC	PH	PH	9-12181-099/cyl	
							2	90.0 × 2.5 × 3.9	TF				FC	PH		PH
							3	90.0 × 2.5 × 3.9	TF SP				FC	PH		PH
							O	90.0 × 5.0 × 4.8	2F				FC	PH		PH
							O	90.0 × 5.0 × 3.9	1F				FC	PH		PH
32596	3FAC	4ZE1	TROOPER		2,559	4	T	92.6 × 1.5 × 3.35	BF			ST	NT	NT	8-94405-614-2/cyl	
							2	92.6 × 1.5 × 4.0	TF				FC	CH		PH
							O	92.6 × 4.0 × 3.05	3F				ST	NT		PH
32594	3FAC	4ZE1	TROOPER		2,559	4	T	92.6 × 1.5 × 3.5	BF			ST	CH	PH	8-94446-957-1/cyl	
							2	92.6 × 1.5 × 4.0	TF				FC	CH		PH
							O	92.6 × 4.0 × 3.05	3F				ST	NT		PH
32575	2FT	4JA-1 4JB-1	Truck ELF150		2,771	4	T	93.0 × 2.0 × 3.9	BF			FC	PH	PH	8-94247-867-0/cyl	
							2	93.0 × 2.0 × 4.0	TF SP				FC	PH		PH
							O	93.0 × 4.0 × 4.1	2F				FC	PH		PH
62575	2FT	4JA-1 4JB-1	Truck ELF150		2,771	4	T	93.0 × 2.0 × 3.9	BF			FC	PH	PH	8-94247-867-0/cyl	
							2	93.0 × 2.0 × 4.0	TF SP				FC	PH		PH
							O	93.0 × 4.0 × 4.1	2F				FC	PH		PH
32612	2FT	4JB1	Truck ELF150		2,771	4	T	93.0 × 2.0 × 3.9	BF			FC	PH	PH	8-94247-867-0/cyl	
							2	93.0 × 2.0 × 4.0	TF SP				FC	PH		PH
							O	93.0 × 4.0 × 4.1	2F				FC	PH		PH
1cyl/set																
32647	2FT	4JK1 4JJ1	D-MAX			4	T	93.0 × 2.0 × 3.9	BF			FC	PH	PH	8-97319-087-0	
							2	93.0 × 2.0 × 4.0	TF SP				FC	PH	PH	5-87310-519-0
							O	93.0 × 4.0 × 4.2	2F				ST	NT	NT	
32628	2FAC	6VE1				6	T	93.4 × 1.2 × 3.5	BF BT			ST	NT	NT	8-97371-553-0/cyl	
							2	93.4 × 1.2 × 3.8	TF SP				FD	CH		PH
							O	93.4 × 2.0 × 2.75	2F				ST	NT		NT
32614	3FAC	6VD1	Bighorn		3,165	6	T	93.4 × 1.5 × 3.7	BF			ST	CH	PH	8-97127-562-0/cyl	
							2	93.4 × 1.5 × 4.0	TF				FC	CH	PH	8-97162-198-0/cyl
							O	93.4 × 4.0 × 3.1	3F				ST	CH	PH	
32629	3FAC	6VD1-2	Bighorn		3,165	6	T	93.4 × 1.5 × 3.35	BF			ST	NT	NT	8-97170-113-0/cyl	
							2	93.4 × 1.5 × 4.0	TF				FC	CH		PH
							O	93.4 × 3.0 × 2.85	3F				ST	NT		PH
32674	3F	6VD1(98MY)			3,165	6	T	93.4 × 1.5 × 3.25	BF			ST	CH	FE	8-97136-135-0/cyl	
							2	93.4 × 1.5 × 4.0	TF				FC	PH		PH
							O	93.4 × 3.0 × 2.85	3F				ST	CH		PH
32675	3FAC	6VD1-Exp			3,165	6	T	93.4 × 1.5 × 3.35	BF			ST	NT	NT	8-97037-372-0/cyl	
							2	93.4 × 1.5 × 4.0	TF				FC	CH		PH
							O	93.4 × 4.0 × 2.9	3F				ST	NT		PH

TP No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape			Material	Surface Treatment		Reference
									①	②	③		Outside	Upper/Lower	
32636	2FT	4JG1	Bighorn,ELF		3,059	4	T	95.4 × 2.0 × 4.0	BF			FC	PH	PH	8-94379-486-0/cyl
							2	TF			PH		PH		
							O	2F			NT		NT		
32607	2F	4JG2	Bighorn,ELF		3,059	4	T	95.4 × 2.5 × 4.0	BF BT			FC	PH	PH	8-97080-215-0/cyl
							2	TF BT			PH		PH		
							O	2F			NT		NT		
32691	2F	4JG2-2	Bighorn ELF		3,059	4	T	95.4 × 2.306 × 4.0	K BF			FD	PH	PH	8-94370449-0
							2	TF			PH		PH		
							O	2F			NT		NT		
32623	2FT	4JH1	D-MAX		3,059	4	T	95.4 × 2.5 × 3.9	BF			FC	PH	PH	8-97941-122-0/cyl
							2	TF SP			PH		PH		
							O	2F			NT		NT		
32634	2F	4JJ1	D-MAX		3,059	4	T	95.4 × 2.0 × 3.3	HK BF			ST	CH	FE	8-97388-734-0/cyl
							2	TF			PH		PH	8-98096-676-0/cyl	
							O	2F			NT		NT		
32652	2FAC	4JJ1-2	Truck,ELF			4	T	95.4 × 2.0 × 3.3	HK BF			ST	CH	FE	8-98053579-0
							2	TF ST			CH		PH		
							O	2F			NT		NT		
32664	2FAC	4JJ1TC	ELF D-MAX		3,059	4	T	95.4 × 2.0 × 3.3	HK BF			ST	CH	FE	8-98057-222-0
							2	TF BT			NT		NT		
							O	2F			NT		NT		
32680	2FAC	4JX1	MU Bighorn Wizard		2,999	4	T	95.4 × 2.438 × 4.0	K BF			FD	CH	PH	8-97184-533-0
							2	TF ST			CH		PH		
							O	2F			NT		NT		
32644	2FT	D-MAX 3.0			3,059	4	T	95.4 × 2.5 × 3.9	BF			FC	PH	PH	8-97259-941-0
							2	TF SP			PH		PH		
							O	2F			NT		NT		
32529	2FTBC	4BA-1	ELF		2,775	4	T	98.0 × 3.0 × 3.9	BF			FC	PH	CH	5-12121-001-0/cyl
							2	TF SP			PH		PH	5-12121-019/cyl	
							O	2F			PH		PH	5-12181-025/cyl	
		C330	Truck TLD24,34,44,54,64									12181-601/cyl		9-12181-801/cyl	
												12181-619/cyl			
												9-12181-801/cyl			
62529	2FT	4BA-1	ELF		2,775	4	T	98.0 × 3.0 × 3.9	BF			FC	PH	CH	5-12121-001-0/cyl
							2	TF SP			PH		PH	5-12121-019/cyl	
							O	2F			PH		PH	5-12181-025/cyl	
		C330	Truck TLD24,34,44,54,64									12181-601/cyl		9-12181-801/cyl	
												12181-619/cyl			
												9-12181-801/cyl			
32524	2FTBC	D500	Forward TR,BY		4,978	6	T	98.0 × 3.0 × 3.9	BF			FC	PH	CH	5-12181-020/cyl
							2	TF SP			PH		PH	9-12181-608/cyl	
							O	2F			CH		PH		

TP No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape			Material	Surface Treatment		Reference
									①	②	③		Outside	Upper/ Lower	
62524	2FT	D500	Forward		4,978	6	T	98.0 × 3.0 × 3.9	BF		FC	PH	CH	5-12181-020/cyl	
			TR,BY			2	98.0 × 2.5 × 3.9	TF SP	FC	PH	PH	9-12181-608/cyl			
						O	98.0 × 5.0 × 4.3	2F	FC	CH	PH				
32506	DW	DA120	Truck		6,126	6	T	100.0 × 2.5 × 4.0	BF		FC	CH	CH	9-12181-063/cyl	
			TX541(D,T),542(D,T)	5,654	2	100.0 × 2.5 × 4.0	TF ST	FC	PH	PH	9-12181-091/cyl				
			551(T),552(T),TXD40,50		3	100.0 × 2.5 × 4.0	TF SP	FC	PH	PH					
			TS542,543(D),TW542(D)		O	100.0 × 4.0 × 4.2	2F	FC	CH	PH					
					O	100.0 × 4.0 × 4.0	1F	FC	PH	PH					
32517	2F	DA120A	Bus		6,126	6	T	100.0 × 2.5 × 4.2	BF		FD	CH	PH	1-12181-005/cyl	
			BA341P,343,351,541		2	100.0 × 2.5 × 4.4	TF ST	FC	PH	PH	1-12181-036/cyl				
			543,551		3	100.0 × 2.5 × 4.4	TF SP	FC	PH	PH	1-12181-087/cyl				
			BB341,351,551		O	100.0 × 5.0 × 4.4	2F	FC	CH	PH	1-12181-109/cyl				
			BX352,531,552							1-12181-128/cyl					
			For Industrial Machine												
32688	2F	DA120A	Bus		6,126	6	T	100.0 × 2.5 × 4.2	BF		FC	CH	PH	1-12181-005/cyl	
			BA341P,343,351,541		2	100.0 × 2.5 × 4.4	TF ST	FC	PH	PH	1-12181-036/cyl				
			543,551		3	100.0 × 2.5 × 4.4	TF SP	FC	PH	PH	1-12181-087/cyl				
			BB341,351,551		O	100.0 × 5.0 × 4.4	2F	FC	CH	PH	1-12181-109/cyl				
			BX352,531,552							1-12181-128/cyl					
1cyl/set			For Industrial Machine												
32505	DW	DA220	For Industrial Machine		4,048	4	T	100.0 × 2.5 × 4.0	BF		FC	CH	CH	9-12181-093/cyl	
						2	100.0 × 2.5 × 4.0	TF ST	FC	PH	PH				
						3	100.0 × 2.5 × 4.0	TF SP	FC	PH	PH				
					O	100.0 × 4.0 × 3.2	2F	FC	CH	PH					
					O	100.0 × 4.0 × 4.0	1F	FC	PH	PH					
32540	2F	DA220A	For Industrial Machine		4,048	4	T	100.0 × 2.5 × 4.2	BF		FD	CH	PH	1-12181-006-0/cyl	
						2	100.0 × 2.5 × 4.4	TF ST	FC	PH	PH	1-12181-038-0/cyl			
						3	100.0 × 2.5 × 4.4	TF SP	FC	PH	PH	1-12181-111-0/cyl			
					O	100.0 × 5.0 × 4.4	2F	FC	CH	PH					
32643	2FBC	6BD1				6	T	101.5 × 3.0 × 3.7	BF		ST	NT	NT	1-12121-087-0	
						2	101.5 × 2.5 × 4.4	TF SP	FC	PH	PH				
					O	101.5 × 4.0 × 4.15	2F	ST	NT	NT					
32507	DW	DA640	Truck		6,373	6	T	102.0 × 2.5 × 4.0	BF		FC	CH	PH	9-12181-028/cyl	
			TXD70E,80E			2	102.0 × 2.5 × 4.0	TF ST	FC	PH	PH	9-12181-048/cyl			
			Bus			3	102.0 × 2.5 × 4.0	TF SP	FC	PH	PH	9-12181-064/cyl			
			BA01,05,10(P),20(P)		O	102.0 × 4.0 × 4.2	2F	FC	CH	PH	9-12181-092/cyl				
			BS20,BF20		O	102.0 × 4.0 × 4.2	1F	FC	CH	PH					

TP No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape			Material	Surface Treatment		Reference
									①	②	③		Outside	Upper/Lower	
32518	DW	DA640A	Truck		6,373	6	T	102.0 × 2.5 × 4.4	BF			FC	CH	CH	12181-007/cyl
			SFR320,420,460,500,600		2	102.0 × 2.5 × 4.4	TF ST			FC	PH	PH	1-12181-033/cyl		
			TSD43,TWD23		3	102.0 × 2.5 × 4.4	TF SP			FC	PH	PH	12181-074/cyl		
			TXD13,23,33,53,60		O	102.0 × 5.0 × 4.6	2F			FC	CH	PH	12181-088/cyl		
			Bus										12181-110/cyl		
			BA741(P),743,BB751												
			BR10(P),20(P),351(P)												
			BX721E,731,752												
32625	2F	DA640PP	For Industrial Machine		6,373	6	T	102.0 × 3.0 × 3.7	BF			ST	NT	NT	1-12181-034-0/cyl
					2	102.0 × 2.5 × 4.4	TF ST			FC	PH	PH			
					3	102.0 × 2.5 × 4.4	TF SP			FC	PH	PH			
					O	102.0 × 5.0 × 4.7	2F			ST	CH	FE			
32546	2F	DA640T	Truck		6,373	6	T	102.0 × 3.5 × 4.4	K BF			FC	CH	PH	1-12121-011/cyl
			SFR320,420,460,500,600		2	102.0 × 2.5 × 4.4	TF BT			FC	PH	PH	12181-014/cyl		
			TSD43,TWD23		3	102.0 × 2.5 × 4.4	TF SP			FC	PH	PH	1-12181-035/cyl		
			TXD13,23,33,53,60		O	102.0 × 5.0 × 4.9	2F			FC	CH	PH			
			Bus												
			BA20(P),BF30												
32545	2FT	4BB-1	ELF		3,595	4	T	102.0 × 3.0 × 4.4	TF			FD	PH	PH	5-12121-005/cyl
		4BD-1	Journey		3,856	2	102.0 × 2.5 × 4.4	TF SP			FC	PH	PH	5-12181-003/cyl	
			Truck			O	102.0 × 5.0 × 4.9	2F			FC	PH	PH	5-12181-024/cyl	
			KA31,KS11,11D,21,31												
32558	2FTBC	4BC-1	ELF		3,268	4	T	102.0 × 3.0 × 4.4	BF			FC	CH	CH	5-12121-004/cyl
			Journey		2	102.0 × 2.5 × 4.4	TF SP			FC	PH	PH			
			Truck		O	102.0 × 5.0 × 4.8	2F			FC	PH	PH			
			KT25,35,TLD55,65,BL35												
62558	2FT	4BC-1	ELF		3,268	4	T	102.0 × 3.0 × 4.4	BF			FC	CH	CH	5-12121-004/cyl
			Journey		2	102.0 × 2.5 × 4.4	TF SP			FC	PH	PH			
			Truck		O	102.0 × 5.0 × 4.8	2F			FC	PH	PH			
			KA31,KS11,11D,21,31												
62560	2FT	4BC-1	ELF		3,268	4	T	102.0 × 3.0 × 4.4	BF			FC	CH	CH	5-12121-004/cyl
			Journey		2	102.0 × 2.5 × 4.4	TF SP			FC	PH	PH			
			Truck		O	102.0 × 5.0 × 4.8	2F			FC	PH	PH			
			KA31,KS11,11D,21,31												
1cyl/set															
32639	2FT	4BD2			3,856	4	T	102.0 × 3.0 × 4.0	BF			FD	PH	PH	8-97117-686-0/cyl
					2	102.0 × 2.0 × 3.6	TF			FD	PH	PH			
					O	102.0 × 4.0 × 4.35	2F			ST	NT	NT			

TF No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape			Material	Surface Treatment		Reference
									①	②	③		Outside	Upper/Lower	
32683	2FT	4/6BB1	Forward		5,393	4	T	102.0 × 3.0 × 4.4	TF			FD	CH	PH	5-12121-005/cyl
			Journey		5,785	6	2	102.0 × 2.5 × 4.4	TF	SP	FC	PH	PH	5-12181-003/cyl	
			Truck				O	102.0 × 5.0 × 4.9	2F		FC	CH	PH	5-12181-024/cyl	
			FBR370JBR											5-12121-055/cyl	
			SBR320,320D,322,380,380D											5-12181-023/cyl	
			400,422,430,450,500											5-12121-002/cyl	
			560,680,TLD23ZPO											5-12121-022/cyl	
			YBR310,360												
			Tractor												
			VBR320,322												
1cyl/set															
32542	2FT	6BB-1 6BD-1	Forward		5,393	6	T	102.0 × 3.0 × 4.4	TF			FD	CH	PH	5-12121-055/cyl
			Journey		5,785		2	102.0 × 2.5 × 4.4	TF	SP	FC	PH	PH	5-12181-023/cyl	
			Truck				O	102.0 × 5.0 × 4.9	2F		FC	CH	PH	5-12121-002/cyl	
			FBR370JBR											5-12121-022/cyl	
			SBR320,320D,322,380,380D												
			400,422,430,450,500												
			560,680,TLD23ZPO												
			YBR310,360												
			Tractor												
			VBR320,322												
32602	2FTBC	4BE-1	ELF		3,636	4	T	105.0 × 3.0 × 4.4	BF			FC	PH	CH	8-94418-918-0/cyl
							2	105.0 × 2.5 × 4.3	TF	ST	FC	PH	PH		
							O	105.0 × 5.0 × 4.8	2F		ST	CH	PH		
62602	2FT	4BE-1	ELF		3,636	4	T	105.0 × 3.0 × 4.4	BF			FC	PH	CH	8-94418-918-0/cyl
							2	105.0 × 2.5 × 4.5	TF	ST	FC	PH	PH		
							O	105.0 × 5.0 × 4.8	2F		ST	CH	PH		
32618	2FTBC	4BG1	ELF		4,329	4	T	105.0 × 3.0 × 4.4	BF			FC	PH	CH	8-97123-833-0/cyl
							2	105.0 × 2.5 × 4.3	TF	SP	FC	PH	PH		
							O	105.0 × 4.0 × 4.4	2F		FC	CH	PH		
32559	2FTBC	6BF-1	Forward		6,130	6	T	105.0 × 3.0 × 4.4	BF			FC	PH	CH	5-12121-006/cyl
			JDR460,SDR370,420,422,480				2	105.0 × 2.5 × 4.3	TF	SP	FC	PH	PH	1-12121-052/cyl	
							O	105.0 × 5.0 × 4.8	2F		FC	CH	PH		
62559	2FT	6BF-1	Forward		6,130	6	T	105.0 × 3.0 × 4.4	BF			FC	PH	CH	5-12121-006/cyl
			JDR460,SDR370,420,422,480				2	105.0 × 2.5 × 4.3	TF	SP	FC	PH	PH	1-12121-052/cyl	
							O	105.0 × 5.0 × 4.8	2F		FC	CH	PH		
32597	2FTBC	6BG1	Forward		6,494	6	T	105.0 × 3.0 × 4.4	BF			FC	PH	CH	1-12121-065-0/cyl
							2	105.0 × 2.5 × 4.3	TF	SP	FC	PH	PH		
							O	105.0 × 4.0 × 4.4	2F		FC	CH	PH		
32626	2FT	6BG1-TC	Forward		6,494	6	T	105.0 × 3.5 × 4.0	BF			FD	PH	PH	1-12121-115-0/cyl
							2	105.0 × 2.5 × 4.5	TF	ST	FC	PH	PH		
							O	105.0 × 4.0 × 4.4	2F		FC	CH	PH		

TP No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape			Material	Surface Treatment		Reference
									①	②	③		Outside	Upper/ Lower	
32681	2FT	6BG1T				6	T	105.0 × 3.306 × 4.4	K	BF	FD	PH	PH	1-12121-146-0	
							2	105.0 × 2.5 × 4.3		TF	ST	FC	PH		PH
							3	105.0 × 2.5 × 4.4		TF	SP	FC	PH		PH
							O	105.0 × 4.0 × 4.4	2F		FC	PH	PH		
32695	2FT	6BG1T				6	T	105.0 × 3.306 × 4.4	K	BF	FD	PH	PH	1-12121-146-0	
							2	105.0 × 2.5 × 4.3		TF	ST	FC	PH		PH
							3	105.0 × 2.5 × 4.4		TF	SP	FC	PH		PH
							O	105.0 × 4.0 × 4.4	2F		FC	PH	PH		
1cyl/set															
32677	2FAC	4HE1	ELF		4,751	4	T	110.0 × 3.0 × 3.95	HK	BF	ST	NT	NT	8-97078-779-0/cyl	
							2	110.0 × 2.5 × 4.7		TF	SP	FC	CH		PH
							O	110.0 × 4.0 × 4.2	2F		ST	NT	NT		
32606	2FAC	6HE1	Cubic Bus Forward		7,127	6	T	110.0 × 3.0 × 4.5		BF	FD	CH	PH	8-94396-840-0/cyl	
							2	110.0 × 2.5 × 4.7		TF	SP	FC	CH		PH
							O	110.0 × 4.0 × 4.45	2F		ST	NT	NT		
32638	2FAC	6HE1-TC	Forward		7,127	6	T	110.0 × 3.83 × 4.5	K	BF	FD	CH	PH	8-94390-529-1/cyl	
							2	110.0 × 3.0 × 4.4		TF		FC	CH	PH	8-94395-061-5/cyl
							3	110.0 × 2.5 × 4.7		TF	SP	FC	CH	PH	
							O	110.0 × 3.0 × 3.25	2F		ST	NT	NT		
32604	2FAC	4HF1	ELF		4,334	4	T	112.0 × 3.0 × 4.1	HK	BF	ST	CH	NT	8-97109-462-0/cyl	
							2	112.0 × 2.5 × 4.7		TF	SP	FC	CH		PH
							O	112.0 × 4.0 × 4.36	2F		ST	NT	NT		
32608	2FAC	4HF1	ELF		4,334	4	T	112.0 × 3.0 × 4.5		BF	FD	CH	PH	8-97028-691-0/cyl	
							2	112.0 × 2.5 × 4.7		TF	SP	FC	CH		PH
							O	112.0 × 4.0 × 4.36	2F		ST	NT	NT		
32631	2FAC	4HK1-TC 4HG1 4HJ1	ELF		5,193	4	T	115.0 × 3.0 × 3.95	HK	BF	ST	NT	NT	8-97105-867-0/cyl	
							2	115.0 × 2.5 × 4.8		TF		FC	CH	PH	8-97219-054-0/cyl
							O	115.0 × 4.0 × 4.35	2F		ST	NT	NT		
32663	2FAC	4HK1-X	Excavator Forklift Industrial Diesel		5,200	4	T	115.0 × 2.941 × 4.15	K	BF	FD	CH	PH	8-98017-166-0/cyl	
							2	115.0 × 2.0 × 4.3		TF	BT	FD	CH		PH
							3	115.0 × 2.5 × 4.8		TF	SP	FC	CH		PH
							O	115.0 × 3.0 × 3.15	2F		ST	NT	NT		
32684	2FAC	4HK1-X	Excavator Forklift Industrial Diesel		5,200	4	T	115.0 × 2.941 × 4.15	K	BF	FD	CH	PH	8-98017-166-0/cyl	
							2	115.0 × 2.0 × 4.3		TF	BT	FD	CH		PH
							3	115.0 × 2.5 × 4.8		TF	SP	FC	CH		PH
							O	115.0 × 3.0 × 3.15	2F		ST	NT	NT		
1cyl/set															
32692	2FAC	4HK1X				4	T	115.0 × 2.941 × 4.15	K	BF	ST	PV	NT	8-98017-166-0/cyl	
							2	115.0 × 2.0 × 4.1		TF		ST	NT		NT
							3	115.0 × 2.5 × 4.8		TF	SP	FC	CH		PH
							O	115.0 × 3.0 × 3.15	2F		ST	NT	NT		
1cyl/set															

TF No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape			Material	Surface Treatment		Reference
									①	②	③		Outside	Upper/Lower	
32682	2FAC	4HK1/6HK1	ELF		5,193	4/6	T	115.0 × 3.0 × 3.95	HK	BF	ST	NT	NT	8-97105-867-0/cyl	
							2	115.0 × 2.5 × 4.8		TF	FC	CH	PH	8-97219-054-0/cyl	
							O	115.0 × 4.0 × 4.35	2F	ST	NT	NT	8-97603-423-1/cyl		
													8-98040-125-0/cyl		
1cyl/set															
32645	2FAC	4HG1-T				4	T	115.0 × 3.0 × 3.95	HK	BF	ST	NT	NT	8-98054-995-0	
							2	115.0 × 2.5 × 4.8		TF	SP	FC	CH	PH	
							O	115.0 × 4.0 × 4.35	2F	ST	NT	NT			
32685	2FAC	4HG1-T				4	T	115.0 × 3.0 × 3.95	HK	BF	ST	NT	NT	8-98054-995-0	
							2	115.0 × 2.5 × 4.8		TF	SP	FC	CH	PH	
							O	115.0 × 4.0 × 4.35	2F	ST	NT	NT			
1cyl/set															
32658	2FAC	4HL				4	T	115.0 × 3.0 × 4.0		BF	ST	NT	NT	8-97331-641-0/cyl	
							2	115.0 × 2.0 × 4.2		TF	FC	CH	PH		
							O	115.0 × 3.0 × 3.15	2F	ST	NT	NT			
32632	2FAC	6HK1-TC	Forward		7,790	6	T	115.0 × 3.0 × 3.95	HK	BF	ST	NT	NT	8-97603-423-1/cyl	
							2	115.0 × 2.5 × 4.8		TF	FC	CH	PH	8-98040-125-0/cyl	
							O	115.0 × 4.0 × 4.35	2F	ST	NT	NT			
32627	2FAC	6HH1			8,226	6	T	115.0 × 3.5 × 4.6		BF	FD	CH	PH	8-94390-799-0/cyl	
							2	115.0 × 2.5 × 4.8		TF	SP	FC	CH	PH	
							O	115.0 × 4.0 × 4.2	2F	ST	NT	NT			
32646	2FAC	6HH1	Forward Journey		8,226	6	T	115.0 × 3.5 × 4.6		BF	FD	CH	PH	8-94390-799-0/cyl	
							2	115.0 × 2.5 × 4.8		TF	SP	FC	CH	PH	
							O	115.0 × 4.0 × 4.2	2F	ST	NT	NT			
1cyl/set															
32701	2FAC	6HH1-2	Forward Journey Erga			6	T	115.0 × 3.5 × 4.6		BF	FD	CH	PH	8-94392-128-1	
							2	115.0 × 2.5 × 4.8		TF	SP	FC	CH	PH	
							O	115.0 × 3.0 × 3.1	2F	ST	NT	NT			
32696	2F	6HL1-TC				6	T	115.0 × 2.941 × 4.15	K	BF	FD	CH	PH	8-97601-318-1	
							2	115.0 × 2.5 × 4.8		TF	ST	FC	PH	PH	
							O	115.0 × 3.0 × 3.15	2F	ST	NT	NT			
32580	2F	6SA-1 6SA-T	Truck Forward 200PS		8,413	6	T	115.0 × 3.0 × 4.6		BF	FD	CH	CH	1-12121-070-0/cyl	
							2	115.0 × 2.5 × 4.8		TF	SP	FC	CH	PH	1-12121-113-0/cyl
							O	115.0 × 4.0 × 4.13	2F	ST	CH	FE	1-12121-075-0/cyl		
32548	2FAC	10PA-1 8PA-1 12PA-1	Truck SPK710,SPZ450D,SRG720 R,750 SRK701,710,SRM441,450 450D 650,651,701,710 SRZ440,441,450,451,580,650 VRR290,VRZ440 Bus CRA580,650		12,464	10	T	115.0 × 3.0 × 4.6		BF	FD	CH	PH	1-12181-060/cyl	
							2	115.0 × 2.5 × 4.8		TF	FC	CH	PH	1-12181-016/cyl	
							O	115.0 × 6.0 × 5.7	2F	FD	CH	PH			
1cyl/set															

TP No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape			Material	Surface Treatment		Reference
									①	②	③		Outside	Upper/Lower	
32562	2F	10PB-1	Truck,Bus		14,022	10	T	115.0 × 3.0 × 4.6	BF			FD	CH	PH	1-12121-043/cyl
			CSA580,650	2			115.0 × 2.5 × 4.8	TF SP			FD		CH	PH	1-12181-058/cyl
			SSZ441,451,581,641,701	O			115.0 × 4.0 × 5.3	2F			FD		CH	PH	1-12181-061/cyl
			SRM701,SSG701											1-12181-069/cyl	
			SSM701,SSZ581												
1cyl/set			VSR300,VSZ431												
32582	2FACBC	10PC-1	Truck,Bus		15,014	10	T	119.0 × 3.0 × 4.6	BF			FD	CH	CH	1-12121-047-0/cyl
			CXM10,75ton	2			119.0 × 2.5 × 4.8	TF			FC		CH	PH	1-12121-048-0/cyl
			Hi-Decker	O			119.0 × 4.0 × 5.1	2F			FC		CH	PH	
1cyl/set															
32584	2FAC	10PC-1A 10PC-1T	Truck,Bus		15,014	10	T	119.0 × 4.0 × 4.6	BF			FD	CH	PH	1-12121-062-0/cyl
				2			119.0 × 2.5 × 4.8	TF SP			FD		CH	PH	1-12121-063-0/cyl
				O			119.0 × 4.0 × 4.54	2F			ST		CH	FE	
1cyl/set															
32603	2FAC	10PD1	Truck,Bus		15,014	10	T	119.0 × 4.0 × 4.6	BF			FD	SH	PH	1-12121-063-2/cyl
				2			119.0 × 2.5 × 4.8	TF SP			FD		CH	PH	
				O			119.0 × 4.0 × 4.65	2F			ST		NT	NT	
1cyl/set															
32637	2FAC	6SD1	Forward		9,839	6	T	120.0 × 3.5 × 4.9	BF			FD	CH	PH	1-12121-094-1/cyl
			CXG23	2			120.0 × 2.5 × 4.9	TF SP			FC		CH	PH	
				O			120.0 × 5.0 × 4.95	2F			ST		CH	FE	
32508	DW	DH100	Truck,Bus		10,179	6	T	120.0 × 3.0 × 5.0	BF			FC	CH	CH	1-12181-050/cyl
			TD50,TD60,TD70,TD80	2			120.0 × 3.0 × 5.0	TF			FC		PH	PH	1-12181-068/cyl
			TD90,TD141,TD161	3			120.0 × 3.0 × 5.0	TF SP			FC		PH	PH	
				O			120.0 × 6.0 × 5.3	2F			FC		CH	PH	
				O			120.0 × 6.0 × 4.8	1F			FC		CH	PH	
32519	DW	DH100A	Truck		10,179	6	T	120.0 × 3.0 × 5.0	BF			FC	CH	CH	1-12121-016/cyl
			TD50,62,70E,72,80E,90E	2			120.0 × 3.0 × 5.0	TF			FC		PH	PH	1-12181-001/cyl
			141,161,TP70E,81E,91E	3			120.0 × 3.0 × 5.0	TF SP			FC		PH	PH	9-12181-083/cyl
			BC161,BU10	O			120.0 × 6.0 × 5.3	2F			FC		CH	PH	9-12181-086/cyl
			SLR350P,360,400T,401											9-12181-114/cyl	
			600,670,VLR290,VRB290												
32567	DW	DH100-H	Bus		10,179	6	T	120.0 × 3.0 × 4.9	BF			FD	CH	CH	1-12121-017/cyl
			BC141,151,151P,161	2			120.0 × 3.0 × 5.0	TF			FC		PH	PH	1-12181-049/cyl
			BU05,10,15,20,20P,30,35P	O			120.0 × 6.0 × 5.5	2F			FC		CH	PH	
32522	DW	D920	Truck		9,203	6	T	125.0 × 3.0 × 5.1	BF			FC	CH	CH	1-12121-021/cyl
			TD51,51D,61,70,71,71E	2			125.0 × 3.0 × 5.2	TF			FC		PH	PH	9-12181-115/cyl
			81E,91E	3			125.0 × 3.0 × 5.2	TF SP			FC		PH	PH	
			Bus	O			125.0 × 6.0 × 5.3	2F			FC		CH	PH	
		E110	BU04D,05D,10D,15D,20,20D		11,044										
			10DP,15DP,20DP,35DP												
			Truck												1-12121-022/cyl
			TG55E,75E												9-12181-153/cyl
			TM05E,15E,45,55,85E,95E												
			Bus												
			BU05E,10E,15E,20E,25EP												

TF No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape			Material	Surface Treatment		Reference
									①	②	③		Outside	Upper/ Lower	
32541	DWAC	D920	Tractor		9,203	6	T	125.0 × 3.0 × 5.1	BF			FD	CH	CH	1-12121-013/cyl
			TD35E		2	125.0 × 2.5 × 5.1	TF			FD	CH	PH	9-12181-137/cyl		
					O	125.0 × 6.0 × 5.2	2F			FC	CH	PH			
32568	2FAC	6QA-1	Truck,Bus		11,044	6	T	125.0 × 3.0 × 5.1	BF			FD	CH	CH	1-12121-028/cyl
			CJM470,DJR530,580		2	125.0 × 2.5 × 5.1	TF SP			FC	CH	PH	1-12121-046/cyl		
			SJR361,461,531		O	125.0 × 6.0 × 5.45	2F			FC	CH	PH			
			TDJ50,72,78												
32633	2FACBC	6QB2	Bus		11,781	6	T	125.0 × 4.0 × 4.8	BF			FD	CH	PH	1-12121-096-0/cyl
					2	125.0 × 2.5 × 5.1	TF			FC	CH	PH			
					O	125.0 × 6.0 × 6.16	2F			ST	CH	FE			
32642	2FAC	10PE-1					T	127.0 × 3.806 × 4.95	K	BF	FD	CH	PH	1-12121-129-1	
					2	127.0 × 3.0 × 5.0		TF BT	FC	CH	PH				
					3	127.0 × 3.0 × 5.2		TF SP	FC	CH	PH				
					O	127.0 × 4.0 × 4.2	2F	ST	NT	NT					
1cyl/set															
32641	2FAC	6WA1TC	GIGA		12,068	6	T	132.9 × 4.306 × 5.2	K	BF	FD	CH	PH	1-12121-117/cyl	
					2	132.9 × 3.0 × 5.2		TF ST	FC	CH	PH	1-12121-127/cyl			
					3	132.9 × 3.0 × 5.5		TF SP	FC	CH	PH	1-12121-136/cyl			
					O	132.9 × 4.0 × 4.4	2F	ST	NT	NT					
32662	2FAC	6WA1TC	GIGA		12,068	6	T	132.9 × 3.806 × 5.2	K	BF	FD	CH	PH	1-12121-139-0/cyl	
					2	132.9 × 3.0 × 5.2		TF ST	FC	CH	PH	1-12121-141-0/cyl			
					3	132.9 × 3.0 × 5.5		TF SP	FC	CH	PH				
					O	132.9 × 4.0 × 4.4	2F	ST	NT	NT					
32585	2FAC	6RB-1,2	SHM,CXM		12,023	6	T	135.0 × 4.0 × 5.5	BF			FD	CH	PH	1-12121-037-0/cyl
		6RA-1,2	SBM,CXM		13,741	2	135.0 × 2.5 × 5.5	TF SP			FD	CH	PH	1-12121-040-0/cyl	
						O	135.0 × 5.0 × 6.2	2F			FC	CH	PH		
32610	2FAC	6RB-T	Truck		13,741	6	T	135.0 × 4.0 × 5.5	BF			FD	CH	CH	1-12121-102-1/cyl
					2	135.0 × 2.5 × 5.5	TF SP			FD	CH	PH			
					O	135.0 × 4.0 × 4.4	2F			ST	NT	NT			
32525	2F	E120	Truck		12,023	6	T	135.0 × 4.0 × 5.5	BF			FD	CH	PH	1-12121-023/cyl
			SPG470,540,580,650,720		2	135.0 × 2.5 × 5.5	TF			FC	CH	PH	9-12181-149/cyl		
			SPM450,550,650,710		3	135.0 × 2.5 × 5.5	TF			FC	PH	PH			
			SPK650,710,SPR520		O	135.0 × 7.0 × 6.4	2F			FC	CH	PH			
			SPZ440,450,480,540												
			580,641,650												
			TGK55E,75E												
			TMK05E,15,27,45,48												
57,67Z,68,78,95															
Tractor															
TDK35E															

TP No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape			Material	Surface Treatment		Reference
									①	②	③		Outside	Upper/Lower	
32543	2FAC	E120H	Truck		12,023	6	T	135.0 × 4.0 × 5.5	BF			FD	CH	PH	1-12121-015/cyl
			SPM450,550,650,701,710				2	135.0 × 2.5 × 5.5	TF			FC	CH	PH	1-12121-024/cyl
			SPZ451,TDK46,50,75				O	135.0 × 7.0 × 6.4	2F			FC	CH	PH	1-12181-022/cyl
			VPR290,VPZ440												
32526	2FAC	V170 V170-T	Bus		16,513	8	T	145.0 × 4.0 × 5.9	BF			FD	CH	CH	1-12121-025-0/cyl
			TV30,BH20				2	145.0 × 3.0 × 5.9	TF SP			FD	CH	PH	1-12181-008-0/cyl
							O	145.0 × 6.0 × 6.3	2F			FC	CH	PH	
32550	2FAC	8MA-1 8MA-1T	Truck		16,513	8	T	145.0 × 4.0 × 5.9	BF			FD	CH	CH	1-12121-018/cyl
			SWG590,VWR340,360				2	145.0 × 3.0 × 5.9	TF SP			FD	CH	PH	1-12121-019/cyl
			VWZ430				O	145.0 × 6.0 × 6.2	2F			FC	CH	PH	1-12181-011/cyl 1-12181-032/cyl
32699	2FAC	6WG1-TC	GIGA,Tractor		15,681 14,256	6	T	147.0 × 3.806 × 5.5	K	BF		FD	CH	PH	1-12121-143-0
							2	147.0 × 3.0 × 5.8	TF ST			FD	CH	PH	
							3	147.0 × 3.0 × 6.0	TF SP			FC	CH	PH	
							O	147.0 × 4.0 × 4.3	2F			ST	NT	NT	
32698	2FAC	6WG1-TMC	GIGA,Tractor		14,256	6	T	147.0 × 2.919 × 5.5	K	BF		FD	CH	PH	1-12121-144-0
							2	147.0 × 2.5 × 5.5	TF ST			FD	CH	PH	
							3	147.0 × 3.0 × 6.0	TF SP			FC	CH	PH	
							O	147.0 × 4.0 × 4.3	2F			ST	NT	NT	
32697	2FAC	10TD1	GIGA			10	T	158.0 × 3.908 × 5.6	K	BF		ST	PV	NT	1-12121-138-1/cyl
							2	158.0 × 2.5 × 5.9	TF BT			ST	CH	FE	
							3	158.0 × 2.5 × 5.9	TF SP			ST	CH	FE	
							O	158.0 × 4.0 × 5.0	2F			ST	NT	NT	

TP No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape ① ② ③	Material	Surface Treatment Outside Upper/Lower	Reference
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MAZDA

33715	3F	PB	Familia(323,GLC)	987	4	T	68.0 × 2.0 × 3.0	TF	FC	CH	PH	0249-23-170A
			1000Pick-Up			2	68.0 × 2.0 × 3.0	TF SP	FC	PH	PH	0259-23-170A
			Bongo Van,Truck			O	68.0 × 4.0 × 2.9	3F	ST	CH	PH	0259-23-206
			SPA,SPB,FPA,BPA BPB55,BPA55									0249-23-206
33756	3F	B1	Truck	987	4	T	68.0 × 1.2 × 2.5	BF	ST	CH	FE	B1YO-11-SCO
						2	68.0 × 1.5 × 3.1	TF SP	FC	PH	PH	B1Y1-11-SCOA
						O	68.0 × 3.0 × 2.9	3F	ST	CH	PH	
33752	3F	E1	Familia	1,100	4	T	70.0 × 1.2 × 3.2	BF	ST	CH	FE	E101-23-130
						2	70.0 × 1.5 × 3.1	TF SP	FC	PH	PH	
						O	70.0 × 4.0 × 3.25	3F	ST	CH	PH	
33711	3F	PC TB PA	Prest1200, 1200 Pick-up		4	T	70.0 × 2.0 × 3.1	BF	FC	CH	PH	0268-23-170
			Familia(323,GLC)			2	70.0 × 2.0 × 3.1	TF SP	FC	PH	PH	0271-23-206
			BTA55,65,BTAV			O	70.0 × 4.0 × 3.25	3F	ST	CH	PH	0211-23-999
			FA3PS,A-FA3PS,SPC,SPCV									0317-23-175 0317-23-130 0268-23-170A 0268-23-206
33757	3F	B3	CANVAS TOP	1,324	4	T	71.0 × 1.2 × 2.6	BF	ST	CH	PH	B3YO-11-SCO
						2	71.0 × 1.5 × 3.1	TF SP	FC	PH	PH	B3Y1-11-SCOA
						O	71.0 × 3.0 × 2.95	3F	ST	CH	PH	
33717	3F	TC	Familia(323,GLC)	1,272	4	T	73.0 × 2.0 × 3.1	TF	FC	CH	PH	0324-23-175
			BTA,STB,STC,BS7C,HSTBU			2	73.0 × 2.0 × 3.1	TF SP	FC	PH	PH	0324-23-130
			FA2T55,65,FA3TS,Prest 1300			O	73.0 × 4.0 × 3.2	3F	ST	CH	FE	
			Truck BTA67									
33739	3F	TC(NEW)	Familia(323,GLC)	1,272	4	T	73.0 × 1.5 × 2.7	BF	ST	CH	FE	8034-23-130
			Bongo(E1300)			2	73.0 × 1.5 × 3.1	TF SP	FC	PH	PH	8034-23-130A
			Pick-Up, Van,FA4T,BA2T8			O	73.0 × 4.0 × 3.25	3F	ST	CH	PH	
33804	3F	ZJ	Demio	1,348	4	T	74.0 × 1.0 × 2.5	BF BT	ST	CH	FE	ZJY4-11-SCO
						2	74.0 × 1.0 × 2.5	TF SP	ST	FE	FE	
						O	74.0 × 2.0 × 2.25	3F	ST	NT	PH	
33803	3F	K8-DE	MX-3	1,844	6	T	75.0 × 1.5 × 2.8	BF	ST	NT	NT	K8Y2-11-SCO
			EUNOS 500			2	75.0 × 1.5 × 3.2	TF SP	FC	PH	PH	
			MS-6			O	75.0 × 3.0 × 2.65	3F	ST	NT	PH	
33724	3F	UA	Craft 1500	1,484	4	T	75.0 × 2.5 × 3.3	BF	FC	CH	PH	0603-23-170A
			Truck			2	75.0 × 2.5 × 3.3	TF SP	FC	PH	PH	0603-23-999
			BUD61,61P,DUC9,9C,9V			O	75.0 × 4.0 × 3.2	3F	ST	CH	FE	0107-11-999
			TUB81,85									

TP No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape			Material	Surface Treatment		Reference
									①	②	③		Outside	Upper/Lower	
33726	3F	UA(NEW)	Craft(E1500)-New DUE91,DUE95,DUC99	1,484	4	T	75.0 × 2.0 × 3.3	BF			FD	CH	PH	0571-23-170	
						2	75.0 × 2.0 × 3.3	TF				FC	PH	PH	0571-23-180
						O	75.0 × 4.0 × 3.2	3F				ST	CH	PH	
33787	3F	Z5	Protege	1,489	4	T	75.3 × 1.0 × 2.7	BF			ST	NT	NT	Z5YO-11-SCO	
						2	75.3 × 1.2 × 3.1	TF SP				FC	PH		PH
						O	75.3 × 2.5 × 2.4	3F				ST	NT		PH
33743	3FACBC	E3	Familia(323,GLC) BD1031	1,296	4	T	77.0 × 1.2 × 3.25	BF			ST	CH	FE	E301-23-130	
						2	77.0 × 1.5 × 3.2	TF SP				FC	CH	PH	E301-23-130A
		E5	Familia(323,GLC) BD1051 FORD LASER	1,490	O	77.0 × 4.0 × 3.25	3F			ST	NT	NT			
33750	3F	E5-2	323-FWD	1,490	4	T	77.0 × 1.5 × 3.1	BF			ST	CH	FE	E302-23-130A	
						2	77.0 × 2.0 × 3.3	TF SP				FC	PH		PH
						O	77.0 × 4.0 × 3.25	3F				ST	NT		NT
33741	3F	UC	Familia(323,GLC)	1,415	4	T	77.0 × 1.5 × 3.2	BF			FD	CH	PH	8569-23-130	
						2	77.0 × 1.5 × 3.2	TF				FC	PH	PH	8569-23-130A
						O	77.0 × 4.0 × 3.25	3F				ST	CH	PH	
33759	3F	B6	Familia Van Capella	1,597	4	T	78.0 × 1.5 × 3.1	BF			ST	CH	PH	B6Y3-11-SCOA	
						2	78.0 × 1.5 × 3.4	TF SP				FC	PH	PH	B6Y6-11-SCOA
						O	78.0 × 3.0 × 3.0	3F				ST	NT	PH	
33793	3F	B6-2	Familia Van Capella Cargo Van Familia Wagon	1,597	4	T	78.0 × 1.5 × 3.1	BF			ST	CH	PH	B6YO-11-SCOA	
						2	78.0 × 1.5 × 3.4	TF SP				FC	PH		PH
						O	78.0 × 4.0 × 2.9	3F				ST	NT		NT
33755	2F	PN	Familia Diesel	1,720	4	T	78.0 × 2.0 × 2.75	BF			ST	NT	NT	PN11-11-SCO	
						2	78.0 × 1.5 × 3.2	TF BT				FC	CH		PH
						O	78.0 × 3.0 × 3.55	2F				ST	NT		PH
33719	3F	VB,NA	Capella(626),SNA,B-SNA Familia 1600,H-SN3AV SN3A,SN3AV SN4A,B-SN4A	1,586	4	T	78.0 × 1.5 × 3.6	TF			FC	CH	PH	0290-23-130	
						2	78.0 × 1.5 × 3.6	TF SP				FC	PH	PH	0305-23-130
						O	78.0 × 4.0 × 3.55	3F				ST	CH	PH	0484-23-130
														0494-23-130	
		NA	Luce(929)1800 Truck	1,796									3763-23-130		
		VB	BNA61,H-BN61 FORD Courier	1,796									D27Z6149 D77Z6108		
33742	3F	NA(NEW)	Capella(626) CB2N,BA2N,Bongo E1600 Pick-Up,Van	1,796	4	T	78.0 × 1.2 × 3.3	BF			ST	CH	FE	8170-23-130	
						2	78.0 × 1.5 × 3.6	TF SP				FC	PH	PH	8170-23-130A
						O	78.0 × 4.0 × 3.55	3F				ST	CH	PH	8658-23-130 H604-23-130
33746	3F	NA-2	Luce-B1600 Pick-Up,Truck	1,586	4	T	78.0 × 1.5 × 3.5	BF			ST	CH	FE	H617-23-130	
						2	78.0 × 2.0 × 3.6	TF SP				FC	PH		PH
						O	78.0 × 4.0 × 3.25	3F				ST	NT		PH
33714	3F	UB,VB	Luce(929) Capella(626) SUN,SVA,SVZA	1,490	4	T	78.0 × 2.0 × 3.6	TF			FC	CH	PH	0222-23-206	
						2	78.0 × 2.0 × 3.6	TF				FC	PH	PH	0222-23-130
						O	78.0 × 4.0 × 3.55	3F				ST	CH	PH	

TP No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape			Material	Surface Treatment		Reference
									①	②	③		Outside	Upper/ Lower	
33788	3F	ZL	Protege		1,597	4	T	78.0 × 1.2 × 2.55	BF		ST	CH	FE	ZLYO-11-SCO	
							2	78.0 × 1.5 × 3.1	TF SP	FC	PH	PH			
							O	78.0 × 3.0 × 2.85	3F	ST	CH	PH			
33795	3F	ZY-VE	Demio		1,500	4	T	78.0 × 1.2 × 2.5	BF		ST	CH	FE	ZYY1-11-SCO	
			AXELA				2	78.0 × 1.2 × 3.2	TF SP	FC	PH	PH	ZYY2-11-SCO		
			MAZDA2				O	78.0 × 2.5 × 2.3	3F	ST	NT	NT			
33728	3F	VC	Luce(929)		1,769	4	T	80.0 × 2.0 × 3.7	BF		FC	CH	PH	0453-23-130	
				2			80.0 × 2.0 × 3.7	TF SP	FC	PH	PH	0453-23-130B			
		MA	LA2V,LA3V,2VV				O	80.0 × 4.0 × 3.55	3F	ST	CH	PH	3975-23-130		
			3VS,C-LA30S COSMO(121),C-CD2VC				1,970								
33737	3F	VC(NEW)	Luce(929L)		1,769	4	T	80.0 × 1.2 × 3.5	BF		ST	CH	FE	8682-23-130	
		MA(NEW)	B1800 Pick-Up,Bongo				2	80.0 × 1.5 × 3.6	TF SP	FC	PH	PH	8682-23-130A		
		MA(NEW)	LA4V,LA4M,LA2V				O	80.0 × 4.0 × 3.35	3F	ST	CH	PH	HE18-23-130		
			CB2V,CD2V												
			BA2V8H,BA2V9H												
			Cosmo(121L)												
			LA4M,CD3M,CB2M												
FORD Courier		1,970				D97Z-6149									
33745	3F	MA-2 VB	Cosmo		1,970	4	T	80.0 × 1.5 × 3.4	BF		FD	CH	PH	HE05-23-130	
			Luce				2	80.0 × 2.0 × 3.7	TF SP	FC	PH	PH			
							O	80.0 × 4.0 × 3.25	3F	ST	NT	PH			
33748	3F	F6	626FWD		1,587	4	T	81.0 × 1.5 × 3.2	BF		ST	CH	FE	F601-23-130	
				2			81.0 × 1.5 × 3.6	TF SP	FC	PH	PH				
				O			81.0 × 4.0 × 3.25	3F	ST	NT	PH				
33725	3F	VA EVB	EVA12,TVA,EVB,EVX		1,985	4	T	82.0 × 2.0 × 3.6	TF		FC	CH	PH	1352-23-130	
			G2000				2	82.0 × 2.0 × 3.6	TF	FC	PH	PH	0552-23-180		
							O	82.0 × 4.5 × 3.55	3F	ST	CH	PH	0552-23-190		
33769	3F	BP	Familia		1,800	4	T	83.0 × 1.5 × 3.1	BF		ST	NT	NT	BPY1-11-SCO	
				2			83.0 × 1.5 × 3.6	TF SP	FC	PH	PH				
				O			83.0 × 3.0 × 2.95	3F	ST	NT	PH				
33791	3F	FPD, FSD				4	T	83.0 × 1.2 × 3.1	BF BT		ST	CH	FE	FSY2-11-SCOA	
				2			83.0 × 1.5 × 3.6	TF SP	FC	PH	PH				
				O			83.0 × 3.0 × 3.05	3F	ST	CH	PH				
33761	3F	FS	FORD NEW TELSTAR		1,800	4	T	83.0 × 1.2 × 3.15	BF BT		ST	NT	NT	FSY2-11-SCO	
				2			83.0 × 1.5 × 3.6	TF SP	FC	PH	PH				
				O			83.0 × 3.0 × 3.05	3F	ST	CH	PH				
33762	3F	FS	FORD NEW TELSTAR		1,800	4	T	83.0 × 1.2 × 3.1	BF BT		ST	CH	FE	FSY2-11-SCOA	
				2			83.0 × 1.5 × 3.6	TF SP	FC	PH	PH				
				O			83.0 × 3.0 × 2.95	3F	ST	CH	PH				
33768	3F	KL	Capella Wagon		2,500	6	T	84.5 × 1.5 × 3.1	BF		ST	CH	PH	KLY2-11-SCOA	
				2			84.5 × 1.5 × 3.6	TF SP	FC	PH	PH				
				O			84.5 × 3.0 × 2.9	3F	ST	CH	PH				

TP No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape			Material	Surface Treatment		Reference	
									①	②	③		Outside	Upper/Lower		
33747	3F	F8	Capella,Luce,Cosmo 626FWD E-GC8	1,789	4	T	86.0 × 1.5 × 3.35	BF			ST	NT	NT	F801-23-130		
						2	86.0 × 1.5 × 3.8	TF				FC	PH	PH	F801-23-130A	
						O	86.0 × 4.0 × 3.25	3F				ST	NT	PH		
33800	3F	FE	Luce Eunos300 Bongo	1,998	4	T	86.0 × 1.5 × 3.3	BF			ST	NT	NT	F2Y1-11-SCO		
						2	86.0 × 1.5 × 3.8	SF				FC	PH	PH	F2Y2-11-SCO	
						O	86.0 × 4.0 × 3.4	3F				ST	NT	NT		
33751	2F	R2	J100,Bongo N-SD2	2,184	4	T	86.0 × 2.0 × 3.1	BF BT			ST	CH		R201-23-130A		
						2	86.0 × 2.0 × 3.6	TF ST				FC	PH	PH	R201-23-130B	
						O	86.0 × 4.0 × 3.9	2F				ST	NT	NT		
33760	2F	R2(New)	Bongo	2,184	4	T	86.0 × 2.0 × 3.1	BF BT			ST	CH		R2B6-11-SCO		
						2	86.0 × 2.0 × 3.6	TF ST				FC	PH		PH	
						O	86.0 × 3.0 × 3.3	2F				ST	NT		NT	
33789	2FAC	RFX RFT	Capella	2,000	4	T	86.0 × 2.0 × 2.95	HK BF			ST	NT	NT	RFO1-23-130		
						2	86.0 × 2.0 × 3.6	TF ST				FC	CH	PH	RFYO-11-SCOD	
						O	86.0 × 4.0 × 4.2	2F				ST	NT	NT		
33790	3F	LF-DE L3	MAZDA6	2,000	4	T	87.5 × 1.2 × 2.7	BF			ST	NT	NT	L3Y1-11-SCOA		
						2	87.5 × 1.2 × 3.3	TF SP				FC	PH	PH	L3Y6-11-SCO	
						O	87.5 × 2.5 × 2.55	3F				ST	CH	PH	LFY1-11-SCOA FORD:AS7J6148BA L3Y3-11-SCO	
33723	PS	YA EYA	E3500 E3800	3,783	6	T	88.9 × 2.38 × 3.5	TF			FD	CH	PH	0727-23-206		
						2	88.9 × 2.38 × 3.5	SF ST				FD	PH	PH	0727-23-207	
						3	88.9 × 2.38 × 3.5	SF ST				FD	PH	PH	0727-23-210	
						O	88.9 × 4.76 × 3.5	1F				FC	CH	PH	0728-23-206	
						O	88.9 × 4.76 × 3.5	1F				FC	CH	PH	0728-23-207	
33721	PS	XA EXA	Truck E2500,EXA32S,33S,35S 44S,74S,EXB43S Bus AEKA,AEXA,AEXB	2,522	4	T	88.9 × 2.38 × 3.5	TF			FD	CH	PH	0559-23-206		
						2	88.9 × 2.38 × 3.5	SF ST				FD	CH	PH	0559-23-207	
						3	88.9 × 2.38 × 3.5	SF ST				FD	CH	PH	0636-23-206	
						O	88.9 × 4.76 × 3.5	1F				FD	CH	PH	0636-23-207	
						O	88.9 × 4.76 × 3.5	1F				FC	PH	PH	0636-23-210	
33744	2F	S2	Luce(929L),Bongo LA4S,BA2S8,BA2S9	2,209	4	T	88.9 × 2.38 × 3.5	BF			FD	CH	PH	1456-23-206		
						2	88.9 × 2.38 × 3.5	TF ST				FD	PH		PH	
		XA(NEW)	Titan E2500 WEW051	2,522	O	88.9 × 4.76 × 4.2	2F			FC	CH	PH				
33784	3F	G6	MPV			4	T	92.0 × 1.5 × 3.25	BF			ST	CH	FE	G601-11-SCOA	
							2	92.0 × 1.5 × 3.9	TF				FC	PH		PH
							3	92.0 × 4.0 × 2.95	3F				ST	CH		PH
33730	PS	XB EXC	Titan E2700 EXM,EXC13,EXC43	2,701	4	T	92.0 × 2.38 × 3.6	SF			FD	CH	PH	0527-23-206		
						2	92.0 × 2.38 × 3.6	SF ST				FC	PH	PH	0528-23-206	
						3	92.0 × 2.38 × 3.6	SF ST				FC	PH	PH		
						O	92.0 × 4.76 × 3.6	1F				FD	CH	PH		
						O	92.0 × 4.76 × 3.6	1F				FC	PH	PH		

TP No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape			Material	Surface Treatment		Reference
									①	②	③		Outside	Upper/Lower	
33731	PS	ZB EZA XB	Titan E4100 EZA,EZB		4,052	6	T	92.0 × 2.38 × 3.6	SF			FD	CH	PH	0784-23-206
							2	92.0 × 2.38 × 3.6	SF	ST		FC	PH	PH	
							3	92.0 × 2.38 × 3.6	SF	ST		FC	PH	PH	
							O	92.0 × 4.76 × 3.6	1F			FD	CH	PH	
							O	92.0 × 4.76 × 3.6	1F			FC	PH	PH	
33767	2FAC	ZB,XB	Trader		4,100	6	T	92.026 × 2.38 × 3.6	BF			FD	CH	PH	V101-23-206
							2	92.026 × 2.38 × 3.6	TF	ST		FC	CH	PH	
							O	92.026 × 4.76 × 4.3	2F			FC	CH	PH	
33799	2FAC	WE WL	BT-50 2.5 16V		2,500	4	T	93.0 × 2.0 × 3.3	BF	BT		ST	NT	NT	WLY6-11-SCO
							2	93.0 × 1.5 × 3.3	TF			FC	CH	PH	
							O	93.0 × 2.0 × 2.8	2F			ST	NT	NT	
33781	2FAC	WL	Bongo Ford		2,500	4	T	93.0 × 2.5 × 3.55	BF	BT		ST	NT	NT	WLY1-11-SCO
							2	93.0 × 2.0 × 3.9	TF	BT		FC	CH	PH	
							O	93.0 × 3.0 × 3.9	2F			ST	NT	NT	
33735	2FAC	HA	Titan E3000,T3000 WEWOF1,WEYOF1 Parkway Bus,TA3H		2,977	4	T	95.0 × 2.38 × 3.8	BF			FD	CH	PH	1363-23-206
							2	95.0 × 2.38 × 3.8	BF	ST		FD	CH	PH	SE01-23-130
							O	95.0 × 4.76 × 4.25	2F			FC	CH	PH	SE01-23-206
33783	2FAC	W9	B2900			4	T	95.0 × 2.5 × 3.55	BF			ST	NT	NT	W9Y1-11-SCO
							2	95.0 × 2.0 × 3.9	TF			FC	CH	PH	
							O	95.0 × 3.0 × 3.4	2F			ST	NT	NT	
33802	2FAC	WE-2	BT50 3.0L			4	T	96.0 × 2.0 × 3.3	BF	BT		ST	PV		WEY1-11-SCO
							2	96.0 × 1.5 × 3.4	TF			ST	NT	NT	
							O	96.0 × 2.0 × 2.8	2F			ST	NT	NT	
33794	2F	VS	Titan			4	T	98.0 × 2.5 × 3.35	BF			ST	NT	NT	VSY1-11-SCOD
							2	98.0 × 2.0 × 3.9	TF	ST		FC	CH	PH	
							O	98.0 × 3.0 × 3.15	2F			ST	NT	NT	
33765	2FAC	SL	Titan,Truck		3,455	4	T	100.0 × 2.5 × 4.1	BF			ST	CH	FE	SL07-23-206
							2	100.0 × 2.0 × 4.2	TF	ST		FC	CH	PH	
							O	100.0 × 4.5 × 4.26	2F			ST	CH	FE	
33785	2FAC	SL	Trader Titan		3,455	4	T	100.0 × 2.5 × 4.2	HK	BF		FD	CH	PH	SL01-23-206A
							2	100.0 × 2.0 × 4.2	TF	ST		FC	CH	PH	
							O	100.0 × 4.5 × 4.26	2F			ST	CH	FE	
33801	2FAC	SL	Titan		3,455	4	T	100.0 × 2.5 × 4.2	BF			ST	NT	NT	SL50-11-SCO
							2	100.0 × 2.0 × 4.2	TF	ST		FC	CH	PH	SL07-23-206
							O	100.0 × 4.5 × 4.26	2F			ST	CH	FE	K4Y0-11-SCO
33766	2FAC	TF	Titan		4,000	4	T	105.505 × 2.5 × 4.5	HK	BF	BB	FD	CH	PH	TF01-11-SCO
							2	105.505 × 2.0 × 4.6	TF	ST		FC	CH	PH	
							O	105.505 × 4.5 × 4.5	2F			ST	CH	FE	
33780	2FAC	TM				4	T	109.0 × 3.0 × 3.95	HK	BF	BB	ST	NT	NT	TMYO-11-SCO
							2	109.0 × 2.0 × 4.6	TF	ST		FC	CH	PH	
							O	109.0 × 3.0 × 3.76	2F			ST	NT	NT	

TP No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape ① ② ③	Material	Surface Treatment Outside Upper/Lower	Reference
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33973	3F	4A30			660	4	T	60.0 × 1.0 × 2.0	BF	ST	CH FE	MD301853
							2	60.0 × 1.2 × 2.6	TF	FC	PH PH	
							O	60.0 × 2.5 × 2.45	3F	ST	CH PH	
33971	3F	4A30T			660	4	T	60.0 × 1.0 × 2.0	BF	ST	CH FE	MD301870
							2	60.0 × 1.2 × 2.6	TF	FC	PH PH	
							O	60.0 × 2.5 × 2.45	3F	ST	CH PH	
33844	3F	2G21	Minica F4,2G,21,A102,103		359	2	T	62.0 × 1.5 × 2.8	BF	FC	CH PH	MD016760
							2	62.0 × 1.5 × 2.8	TF	FC	PH PH	MD016765
							O	62.0 × 2.5 × 2.8	3F	ST	CH PH	
33460	3F	3G83				3	T	65.0 × 1.0 × 2.25	BF	ST	CH FE	1110B685
							2	65.0 × 0.8 × 2.5	TF	FD	PH PH	
							O	65.0 × 2.0 × 1.95	3F	ST	CH PH	
33847	3F	2G22	Minica 2G,22		471	2	T	65.0 × 1.5 × 2.8	BF	FC	CH PH	MD019470
							2	65.0 × 1.5 × 2.8	TF	FC	PH PH	
							O	65.0 × 2.5 × 2.8	3F	ST	CH PH	
33896	3F	3G82	Minica		660	3	T	65.0 × 1.5 × 2.6	BF	ST	CH FE	MD120081
							2	65.0 × 1.5 × 2.9	TF	FC	CH PH	
							O	65.0 × 2.8 × 2.6	3F	ST	CH PH	
33972	3F	3G83-N	Minica		660	3	T	65.0 × 1.0 × 2.25	BF	ST	CH FE	MD362974
							2	65.0 × 0.8 × 2.5	TF	FD	PH PH	
							O	65.0 × 2.0 × 2.45	3F	ST	CH PH	
33974	3F	3G83-N	Minica		660	3	T	65.0 × 1.2 × 2.3	BF	ST	CH FE	MD160195
							2	65.0 × 1.2 × 2.9	TF	FC	PH PH	
							O	65.0 × 2.8 × 2.45	3F	ST	CH PH	
33930	3F	4G82	Minica			4	T	65.0 × 1.5 × 2.6	BF	ST	CH FE	
							2	65.0 × 1.5 × 2.9	TF	FC	CH PH	
							O	65.0 × 2.8 × 2.6	3F	ST	CH PH	
33995	3F	4A31	Pajero Toppo		1,094	4	T	66.0 × 1.0 × 2.2	BF	ST	CH FE	
							2	66.0 × 1.2 × 2.9	TF	FC	PH PH	
							O	66.0 × 2.5 × 2.75	3F	ST	CH PH	
33857	3FBC	4G11-G	Colt		1,244	4	T	68.2 × 1.5 × 3.1	BF	FC	CH PH	MD030360
		4G11-EC					2	68.2 × 1.5 × 3.1	TF	FC	PH PH	MD031730
		4G16-C					O	68.2 × 4.0 × 3.3	3F	ST	CH PH	MD115495
33858	3F	4G11	Mirage,Lancer		1,244	4	T	69.5 × 1.5 × 3.1	BF	FC	CH PH	MD030350
			Dodge Colt				2	69.5 × 1.5 × 3.1	TF	FC	PH PH	MD031670
			A155,A151,A141,A171				O	69.5 × 4.0 × 3.2	3F	ST	CH PH	
33855	3F	2G23	Minica		550	2	T	70.0 × 1.5 × 3.1	BF	FC	CH PH	MD019610
			Mini Cab Wide55				2	70.0 × 1.5 × 3.1	TF	FC	PH PH	
			L100,A105,A106 L013 MAZDA Porter Cab,PC4D				O	70.0 × 2.5 × 2.8	3F	ST	CH PH	

TP No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape			Material	Surface Treatment		Reference
									①	②	③		Outside	Upper/Lower	
33894	3FAC	2G23	Minica		550	2	T	70.0 × 1.5 × 2.9	BF			ST	CH	FE	MD011965
			Mini Cab Wide55	2			70.0 × 1.5 × 3.1	TF			CH		PH		
			L100,A105,A106	O			70.0 × 2.5 × 2.9	3F			CH		PH		
			L013 MAZDA Porter Cab,PC4D												
33446	2F	L2C,L3C					T	70.0 × 2.0 × 2.55	BF			ST	NT	NT	MN433712
			1cyl/set	2	70.0 × 2.0 × 3.0	TF ST			PH	PH					
			O	70.0 × 3.0 × 3.55	2F			NT	NT						
33897	3F	4G13(NEW)	Lancer,Mirage		1,298	4	T	71.0 × 1.2 × 2.55	BF			ST	NT	NT	MD158908
			Proton	2			71.0 × 1.5 × 3.1	TF			PH		PH		
			O	71.0 × 3.0 × 2.85			3F			NT	NT				
33401	3FAC	4G13-C				4	T	71.0 × 1.5 × 3.0	BF			ST	NT	NT	MD156170
			2	71.0 × 1.5 × 3.1	TF			PH	PH						
			O	71.0 × 4.0 × 3.2	3F			NT	NT						
33944	3F	4G13-N	Lancer,Mirage		1,298	4	T	71.0 × 1.2 × 2.55	BF			ST	NT	NT	MD335422
			2	71.0 × 1.5 × 2.9			TF			PH	PH				
			O	71.0 × 2.8 × 2.5			3F			NT	NT				
33841	2F	4G42	Lancer 1200		1,187	4	T	71.0 × 2.0 × 3.3	BF			FC	CH	PH	MD010755
			Colt 1200	2			71.0 × 2.0 × 3.3	TF			PH		PH		
			A71,71V,H-71V	O			71.0 × 4.0 × 4.0	2F			CH		PH		
33875	3F	G13-B 4G13-C	Mirage		1,298	4	T	71.0 × 1.5 × 3.1	BF			FC	CH	CH	MD074687
			Lancer C11A	2			71.0 × 1.5 × 3.1	TF			NT		NT		
			O	71.0 × 4.0 × 3.3			3F			CH	PH				
33880	3F	4G36-EC	Mirage,Colt			4	T	71.8 × 1.5 × 3.2	BF			FC	CH	PH	MD009539
			2	71.8 × 1.5 × 3.2	TF			PH	PH						
			O	71.8 × 4.0 × 3.2	3F			CH	PH						
33900	3F	4G17	Mirage,Colt		1,300	4	T	72.2 × 1.2 × 2.55	BF			ST	NT	NT	MD165325
			2	72.2 × 1.5 × 3.1			TF			PH	PH				
			O	72.2 × 3.0 × 2.85			3F			NT	NT				
33830	3F	4G30	GALANT A51,51H,51V		1,298	4	T	73.0 × 2.0 × 3.3	BF			FC	CH	PH	MD000770
			Lancer 1400	2			73.0 × 2.0 × 3.3	TF			PH		PH		
			A72,72V,B-A72	O	73.0 × 4.0 × 3.25	3F			CH	PH					
			H-A72U Galant 1200,55C,A62												
33856	3F	4G33 4G33(NEW) 4G33-H	Lancer,Celeste,Delica		1,439	4	T	73.0 × 1.5 × 2.7	BF			ST	CH	FE	MD009625
			L300,A72,L031	2			73.0 × 1.5 × 3.1	TF SP			PH		PH		
			Fork Lift FG10,FG15	O			73.0 × 4.0 × 3.25	3F			CH		PH		
33895	3F	4G33-C	Lancer,Celeste,Delica		1,439	4	T	73.0 × 1.5 × 2.7	BF			ST	CH	FE	MD115500
				2			73.0 × 1.5 × 3.1	TF SP			PH		PH		
				O			73.0 × 4.0 × 3.25	3F			CH		PH		

TP No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape			Material	Surface Treatment		Reference
									①	②	③		Outside	Upper/Lower	
33907	3F	4G33-H	GALANT A51,51H,51V		1,298	4	T	73.0 × 1.5 × 2.7	BF			ST	CH	FE	MD034010
		4G33(OLD)	Lancer 1400		1,439		2	73.0 × 1.5 × 3.1	TF SP			FC	PH	PH	
		4G36	A72,72V,B-A72				O	73.0 × 4.0 × 3.25	3F			ST	CH	PH	
			H-A72U												
			Galant 1200,55C,A62												
33859	3F	G12	Lancer,Celeste		1,410	4	T	74.0 × 1.5 × 3.25	BF			FC	CH	PH	MD030355
		4G12	Mirage,Dodge Colt				2	74.0 × 1.5 × 3.25	TF			FC	PH	PH	MD031700
		G12-H	Plymouth Champ				O	74.0 × 4.0 × 3.25	3F			ST	CH	PH	MD012025
		G120-V	A142,A152,A156,A172												MD012035
		G12-T													
33883	3F	G31	Mirage C18A		1,499	4	T	74.5 × 1.5 × 3.0	BF			ST	CH	FE	MD107368
		G31-B	Hyundai 23433-31500				2	74.5 × 1.5 × 3.4	TF			FC	PH	PH	23433-31500
		4G31-B					O	74.5 × 4.0 × 3.2	3F			ST	CH	PH	(Hyundai)
33400	3F	6G71				6	T	74.7 × 1.5 × 3.25	BF			ST	CH	FE	MD104889
							2	74.7 × 1.5 × 3.3	TF			FC	PH	PH	
							O	74.7 × 4.0 × 3.15	3F			ST	CH	PH	
33450	3F	4A91	Colt		1,498	4	T	75.0 × 1.2 × 2.7	BF			ST	NT	NT	MN195612
							2	75.0 × 0.8 × 2.55	TF			ST	FE	FE	
							O	75.0 × 2.0 × 1.95	3F			ST	CH	PH	
33998	3F	6A11-S4				6	T	75.0 × 1.2 × 2.85	BF			ST	CH	FE	MD189109
							2	75.0 × 1.2 × 3.3	TF			FC	PH	PH	
							O	75.0 × 2.8 × 2.55	3F			ST	CH	PH	
33898	3F	4G15(NEW)	Lancer,Mirage,Proton		1,468	4	T	75.5 × 1.2 × 2.75	BF			ST	NT	NT	MD158549
			Libero Cago, R-CB2V				2	75.5 × 1.5 × 3.3	TF			FC	PH	PH	MD180804
							O	75.5 × 3.0 × 2.85	3F			ST	NT	NT	
33403	3F	4G15L			1,468	4	T	75.5 × 1.2 × 2.8	BF BT			ST	CH	FE	MD187168
							2	75.5 × 1.5 × 3.0	TF			FC	PH	PH	
							O	75.5 × 3.0 × 2.85	3F			ST	CH	PH	
33946	3F	4G15-S3	Lancer,Mirage		1,468	4	T	75.5 × 1.2 × 2.75	BF			ST	NT	NT	MD331313
							2	75.5 × 1.5 × 3.2	TF			FC	PH	PH	
							O	75.5 × 2.8 × 2.5	3F			ST	NT	NT	
33405	3FAC	4G19 75.5				4	T	75.5 × 1.0 × 2.7	BF			ST	NT	NT	MN119569
							2	75.5 × 1.2 × 2.7	TF SP			FC	PH	PH	
							O	75.5 × 2.0 × 2.0	3F			ST	CH	PH	
33876	3F	G15-B	Mirage,Lancer		1,468	4	T	75.5 × 1.5 × 3.3	BF			FC	CH	PH	MD074725
		G15-H	Colt C12A,C52A,C62A				2	75.5 × 1.5 × 3.3	TF			FC	PH	PH	MD078548
		G15-C	Proton				O	75.5 × 4.0 × 3.2	3F			ST	CH	PH	MD104656
		4G15													
33432	3F	G15-C				4	T	75.5 × 1.5 × 3.3	BF			ST	NT	NT	MD156165
							2	75.5 × 1.5 × 3.3	TF			FC	PH	PH	
							O	75.5 × 4.0 × 3.2	3F			ST	NT	NT	
33882	3FAC	2G24	Minica		548	2	T	76.0 × 1.5 × 3.3	BF			ST	CH	FE	MD018280
							2	76.0 × 1.5 × 3.3	TF			FC	CH	PH	
							O	76.0 × 2.5 × 2.85	3F			ST	NT	NT	

TF No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape			Material	Surface Treatment		Reference
									①	②	③		Outside	Upper/Lower	
33934	3F	4G18				4	T	76.0 × 1.2 × 2.75	BF		ST	NT	NT	MD349422	
							2	76.0 × 1.5 × 3.1	TF SP	FC	PH	PH			
							O	76.0 × 2.8 × 2.6	3F	ST	NT	NT			
33937	3F	4G18-2	Progon Waja			4	T	76.0 × 1.2 × 2.7	BF		ST	NT	NT	MD361982	
							2	76.0 × 1.2 × 3.2	TF SP	FC	PH	PH			
							O	76.0 × 2.5 × 2.6	3F	ST	CH	PH			
33938	3F	4G18-3	Progon Waja			4	T	76.0 × 1.2 × 2.75	BF		ST	NT	NT	MD361983	
							2	76.0 × 1.2 × 3.2	TF SP	FC	PH	PH			
							O	76.0 × 2.5 × 2.6	3F	ST	NT	NT			
33445	2FAC	K3,4E				4	T	76.0 × 2.5 × 3.3	HK BF		FC	CH	PH	MM431579	
							2	76.0 × 2.0 × 3.3	TF ST	FC	CH	PH			
							O	76.0 × 4.0 × 4.25	2F	ST	NT	NT			
33444	2F	L2E				4	T	76.0 × 2.0 × 2.75	HK BF		ST	NT	NT	MN433713	
							2	76.0 × 2.0 × 3.3	TF ST	FC	PH	PH			
							O	76.0 × 3.0 × 3.55	2F	ST	NT	NT			
33987	2F	L2E,L3E				4	T	76.0 × 2.0 × 3.3	HK BF		FC	CH	PH	MM433152	
							2	76.0 × 2.0 × 3.2	TF	FC	PH	PH			
							O	76.0 × 3.0 × 3.55	2F	ST	NT	NT			
33839	3FAC	4G41	Galant,Delica		1,378	4	T	76.5 × 2.0 × 3.5	BF		FC	CH	PH	MD010710	
			T61,T120,120C,120W,H-T120			2	76.5 × 2.0 × 3.5	TF	FC	CH	PH	MD010715			
			Coupe FTO			O	76.5 × 4.0 × 3.7	3F	ST	CH	PH	MD011893			
33832	3F	4G32 G32	GalantΣ,Sapporo		1,597	4	T	76.9 × 2.0 × 3.5	BF		FC	CH	PH	MD000725	
			Lancer,Celeste,Mirage,Delica			2	76.9 × 2.0 × 3.5	TF	FC	PH	PH	MD004709			
			A53,53C,53V,53H,63,73			O	76.9 × 4.0 × 3.65	3F	ST	CH	PH	MD004739			
			112,121,144,153,157,161									MD004770			
			174,B-A73,L021,32									MD005885			
			Forte,L200,Dodge Colt									MD007251			
			Plymouth Champ									MD008105 MD106741			
33884	3F	4G32-2			1,597	4	T	76.9 × 2.0 × 2.95	BF		ST	NT	NT	MD110632	
							2	76.9 × 2.0 × 3.5	TF	FC	PH	PH			
							O	76.9 × 4.0 × 3.2	3F	ST	NT	NT			
33870	3F	G32-T	Cordia,GalantΣ		1,597	4	T	76.9 × 1.5 × 3.2	BF		ST	CH	PH	MD012765	
		G32EC-T	Chariot,Tredia			2	76.9 × 1.5 × 3.5	TF	FC	PH	PH	MD062387			
		4G32-T/C	Turbo			O	76.9 × 4.0 × 3.7	3F	ST	CH	PH	MD093337 MD099430			
33891	3FAC	2G25	Minica		660	2	T	78.0 × 1.5 × 3.2	BF		FD	CH	PH	MD011810	
							2	78.0 × 1.5 × 3.3	TF	FC	CH	PH	MD083152		
							O	78.0 × 2.5 × 2.9	3F	ST	NT	NT			
33442	2F	3SL,4SL				1	T	78.0 × 2.5 × 2.7	HK BF		ST	NT	NT	31A17-00010	
							2	78.0 × 2.0 × 3.5	TF ST	FC	PH	PH			
							O	78.0 × 4.0 × 4.25	2F	ST	NT	NT			

TF No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape			Material	Surface Treatment		Reference
									①	②	③		Outside	Upper/Lower	
33985	2F	K4F-DT				4	T	78.0 × 2.5 × 3.4	HK	BF	BB	FC	CH	PH	MM437295
1cyl/set							2	78.0 × 2.0 × 3.4		TF	ST	FC	PH	PH	
							O	78.0 × 4.0 × 4.25	2F		ST	NT	NT		
33945	3F	4G91	Mirage		1,496	4	T	78.4 × 1.2 × 3.0		BF		ST	CH	FE	MD177113
2							78.4 × 1.2 × 3.25		TF		FC	PH	PH		
O							78.4 × 2.8 × 2.6	3F		ST	CH	PH			
33941	3FAC	6A12	Proton Perdana Eterna,Galant,Diamante		2,000	6	T	78.4 × 1.2 × 2.95		BF		ST	NT	NT	MD302644
2							78.4 × 1.2 × 3.5		TF		FC	CH	PH		
O							78.4 × 2.8 × 2.65	3F		ST	NT	NT			
33940	3F	6A12-NA	Proton Perdana Eterna,Galant,Diamante		2,000	6	T	78.4 × 1.2 × 3.0		BF		ST	CH	FE	MD189104
2							78.4 × 1.2 × 3.5		TF		FC	PH	PH		
O							78.4 × 2.8 × 2.6	3F		ST	CH	PH			
33424	3FAC	6A12 T/C				6	T	78.4 × 1.2 × 2.95		BF	BT	ST	NT	NT	MD189119
2							78.4 × 1.2 × 3.45		TF		FC	CH	PH		
O							78.4 × 2.8 × 2.6	3F		ST	NT	NT			
33840	3FAC	4G35	Galant GTO A55		1,686	4	T	79.0 × 1.5 × 3.4		BF		FD	CH	PH	MD003184
2							79.0 × 1.5 × 3.4		TF		FD	CH	PH	MD004835	
O							79.0 × 4.0 × 3.8	3F		ST	CH	FE			
33878	2FAC	4D6	Mirage		1,795	4	T	80.6 × 2.0 × 3.15	HK	BF	BB	ST	NT	NT	MD071206
		4D65	Colt C14A		2		80.6 × 2.0 × 3.7		TF		FD	CH	PH	MD127022	
					O		80.6 × 4.0 × 4.25	2F		ST	CH	FE			
33879	2FAC	4D6	Galant,Mirage,Colt		1,795	4	T	80.6 × 2.0 × 3.15	HK	BF	BB	ST	NT	NT	MD078209
		4D65-T			2		80.6 × 2.0 × 3.5	HK	TF	BB	FD	CH	PH	MD078309	
					O		80.6 × 4.0 × 4.25	2F		ST	CH	FE	MD136692		
33889	2FAC	4D65	Colt,Galant		1,795	4	T	80.6 × 2.0 × 3.15	HK	BF	BB	ST	NT	NT	MD116000
2				80.6 × 2.0 × 3.5	HK		TF	BB	FD	CH	PH				
O				80.6 × 4.0 × 4.25	2F			ST	CH	FE					
33904	2F	4D65	Galant,Mirage,Colt		1,795	4	T	80.6 × 2.0 × 3.15	HK	BF	BB	ST	NT	NT	MD127017
2				80.6 × 2.0 × 3.7			TF		FC	CH	PH	MD071206			
O				80.6 × 4.0 × 4.25	2F			ST	CH	FE	MD127022				
33885	3F	4G37	Galant		1,755	4	T	80.6 × 1.5 × 3.15		BF		ST	NT	NT	MD106028
		G37			2		80.6 × 1.5 × 3.7		TF		FC	PH	PH		
					O		80.6 × 4.0 × 3.2	3F		ST	NT	NT			
33954	3FAC	4G37-EC	E-E12A		1,800	4	T	80.6 × 1.5 × 3.15		BF		ST	NT	NT	MD154012
		4G62			2		80.6 × 1.5 × 3.7		TF		FC	CH	PH		
					O		80.6 × 4.0 × 2.9	3F		ST	NT	NT			
33871	3F	G62-T	Galant,Tredia,Cordia		1,795	4	T	80.6 × 1.5 × 3.5		BF		ST	CH	FE	MD040465
		G62-V		Delica stare	1,755		2	80.6 × 1.5 × 3.7		TF		FC	PH	PH	MD077113
		4G62						O	80.6 × 4.0 × 3.2	3F		ST	CH	PH	
33863	3F	G62B	GalantΣ,Sapporo Lancer,A162,A175		1,795	4	T	80.6 × 2.0 × 3.5		BF		FD	CH	PH	MD040610
		4G62			2		80.6 × 2.0 × 3.65		TF		FC	PH	PH	MD106736	
					O		80.6 × 4.0 × 3.2	3F		ST	CH	PH			

TF No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape			Material	Surface Treatment		Reference
									①	②	③		Outside	Upper/Lower	
33842	3FAC	4G51	GalantΣ1850 A114		1,855	4	T	81.0 × 2.0 × 3.5	BF			FD	CH	PH	MD023060
							2	81.0 × 2.0 × 3.7	TF			FC	CH	PH	
							O	81.0 × 4.0 × 3.7	3F			ST	CH	PH	
33902	3F	4G92 4G92,93-EC	Mirage,Lancer Proton		1,592	4	T	81.0 × 1.2 × 2.8	BF			ST	CH	PH	MD173206
							2	81.0 × 1.2 × 3.6	TF			FC	CH	PH	MD173211
							O	81.0 × 2.8 × 2.65	3F			ST	NT	NT	
33955	3FAC	4G93-GDI				4	T	81.0 × 1.2 × 3.15	BF BT			ST	NT	NT	MD357240
							2	81.0 × 1.2 × 3.55	TF			FC	CH	PH	MD180348
							O	81.0 × 2.8 × 2.65	3F			ST	NT	NT	
33425	3FAC	6A13-D4,T/C				6	T	81.0 × 1.2 × 3.0	BF			ST	NT	NT	MD336736
							2	81.0 × 1.2 × 3.55	TF			FC	CH	PH	MD339229
							O	81.0 × 2.8 × 2.65	3F			ST	NT	NT	
33967	3F	6A13-S4				6	T	81.0 × 1.2 × 3.1	BF			ST	CH	FE	MD336735
							2	81.0 × 1.2 × 3.6	TF			FC	PH	PH	MD344094
							O	81.0 × 2.8 × 2.55	3F			ST	CH	PH	MD344095
33966	3F	4G94-S4				4	T	81.5 × 1.2 × 2.7	BF BT			ST	NT	NT	1110B098
							2	81.5 × 1.2 × 3.4	TF SP			FC	PH	PH	1110B099
							O	81.5 × 2.5 × 2.6	3F			ST	CH	PH	1110B100 MN183585 MN187178 MN187179 MD371189 MD371157
33932	3FAC	4G61	Mirage,Lancer		1,595	4	T	82.3 × 1.2 × 3.15	BF			ST	NT	NT	MD133495
							2	82.3 × 1.5 × 3.8	TF			FC	CH	PH	
							O	82.3 × 3.0 × 2.85	3F			ST	NT	NT	
33905	2F	4D68-NA	Galant,RVR		1,998	4	T	82.7 × 2.0 × 3.5	HK BF			FD	CH	PH	MD197162
							2	82.7 × 2.0 × 3.5	TF SP			FC	CH	PH	
							O	82.7 × 3.0 × 3.75	2F			ST	NT	NT	
33963	2FAC	4D68T			1,998	4	T	82.7 × 2.0 × 2.95	HK BF			ST	NT	NT	MD197187
							2	82.7 × 2.0 × 3.5	HK TF			FD	CH	PH	
							O	82.7 × 3.0 × 3.4	2F			ST	NT	NT	
33996	2F	4N13				4	T	83.0 × 2.0 × 2.9	BF			ST	NT	NT	1110B934
							2	83.0 × 1.5 × 2.9	TF			ST	FE	FE	
							O	83.0 × 2.0 × 2.75	2F			ST	NT	NT	
33951	3F	6G73				6	T	83.5 × 1.2 × 2.9	BF			ST	CH	FE	MD310257
							2	83.5 × 1.5 × 3.5	TF			FC	PH	PH	MD351097
							O	83.5 × 3.0 × 2.8	3F			ST	CH	PH	
33433	3FAC	6G73				6	T	83.5 × 1.2 × 2.95	BF			ST	NT	NT	MD159836
							2	83.5 × 1.5 × 3.5	TF			FC	CH	PH	
							O	83.5 × 3.0 × 2.8	3F			ST	NT	NT	
33434	3F	6G73-GDI				6	T	83.5 × 1.2 × 2.75	BF BT			ST	NT	NT	MD370494
							2	83.5 × 1.2 × 3.2	TF SP			FC	PH	PH	
							O	83.5 × 2.5 × 2.6	3F			ST	NT	NT	

TP No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape			Material	Surface Treatment		Reference
									①	②	③		Outside	Upper/Lower	
33406	2F	6G73-GDI-3				6	T	83.5 × 1.2 × 2.7	BF			ST	NT	NT	MN187669
							2	83.5 × 1.2 × 3.2	TF	SP		FC	PH	PH	
							O	83.5 × 2.0 × 2.75	2F			ST	NT	NT	
33865	2F	4DQ5	Canter Fork Lift,FD15		2,084	4	T	84.0 × 2.5 × 3.6	BF			FD	CH	PH	30615-51011
							2	84.0 × 2.0 × 3.7	TF			FC	PH	PH	30617-51011
							O	84.0 × 4.0 × 4.2	2F			FD	CH	PH	
33845	3F	4G52	GalantΣ2000,Sapporo Celeste,Jeep A57,78,115,123,J58		1,995	4	T	84.0 × 2.0 × 3.6	BF			FD	CH	PH	MD021010
							2	84.0 × 2.0 × 3.7	TF			FC	PH	PH	MD021035
							O	84.0 × 4.0 × 3.15	3F			ST	CH	PH	MD021070
															MD027010
33866	3F	4G63 G63B G63B-T,C	GalantΣ Galant Sapporo Van A163,A164 Chariot Pajero		1,997	4	T	85.0 × 2.0 × 3.6	BF			FD	CH	PH	MD040640
							2	85.0 × 2.0 × 3.7	TF			FC	PH	PH	MD040840
							O	85.0 × 4.0 × 3.15	3F			ST	CH	PH	MD041580
33892	3F	4G63 G63B G63B-T,C	GalantΣ Galant Sapporo Van A163,A164 Chariot Pajero		1,997	4	T	85.0 × 1.5 × 3.1	BF			ST	NT	NT	MD100467
							2	85.0 × 1.5 × 3.8	TF			FC	PH	PH	MD105516
							O	85.0 × 4.0 × 3.2	3F			ST	CH	PH	
33414	3FAC	4G63EX	E-N33W E-CD9A Lancer, Eclipse, Chariot RVR		1,997	4	T	85.0 × 1.5 × 3.1	BF			ST	NT	NT	MD133485
							2	85.0 × 1.5 × 3.7	TF	SP		FC	CH	PH	
							O	85.0 × 3.0 × 2.8	3F			ST	NT	NT	
33919	3F	4G63(NEW)	Galant Chariot		1,997	4	T	85.0 × 1.2 × 3.1	BF			ST	CH	PH	MD195810
							2	85.0 × 1.5 × 3.8	TF			FC	PH	PH	MD313405
							O	85.0 × 2.8 × 2.6	3F			ST	NT	NT	
33924	3F	4G63K	Galant,Eterna SAVA Chariot RVR		1,997	4	T	85.0 × 1.2 × 3.1	BF			ST	CH	PH	MD140923
							2	85.0 × 1.5 × 3.8	TF			FC	PH	PH	MD195850
							O	85.0 × 3.0 × 2.6	3F			ST	NT	NT	
33980	3F	4G63S			1,997	4	T	85.0 × 1.2 × 3.15	BF	BT		ST	NT	NT	MN149594
							2	85.0 × 1.2 × 3.5	TF	SP		FC	PH	PH	
							O	85.0 × 2.0 × 2.25	3F			ST	CH	PH	
33417	3F	4B10				4	T	86.0 × 1.2 × 3.1	BF	BT		ST	NT	NT	1110B795
							2	86.0 × 1.2 × 3.6	TF	SP		FC	PH	PH	1110C103
							O	86.0 × 2.0 × 2.25	3F			ST	NT	NT	
33991	3F	4B11				4	T	86.0 × 1.2 × 3.05	BF	BT		ST	CH	FE	1110A436
							2	86.0 × 1.2 × 3.6	TF	SP		FC	PH	PH	
							O	86.0 × 2.0 × 2.25	3F			ST	CH	PH	
33925	3F	4G64 4G64K	Delica Wagon E-P04W		2,350	4	T	86.5 × 1.2 × 3.1	BF	BT		ST	CH	PH	MD195872
							2	86.5 × 1.5 × 3.8	TF	SP		FC	PH	PH	
							O	86.5 × 3.0 × 2.55	3F			ST	CH	PH	
33936	3FAC	4G64	Delica Wagon E-P04W		2,350	4	T	86.5 × 1.2 × 3.15	BF	BT		ST	NT	NT	MD192815
							2	86.5 × 1.5 × 3.8	TF	SP		FC	CH	PH	MD194597
							O	86.5 × 2.8 × 2.6	3F			ST	NT	NT	

TP No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape			Material	Surface Treatment		Reference
									①	②	③		Outside	Upper/Lower	
33957	3F	4G64-S	Galant		2,350	4	T	86.5 × 1.2 × 3.1	BF	BT		ST	CH	FE	MD195828
							2	86.5 × 1.5 × 3.8	TF	SP		FC	PH	PH	
							O	86.5 × 2.8 × 2.6	3F			ST	NT	NT	
33935	3F	4G64B G64B	Delica Wagon		2,350	4	T	86.5 × 1.5 × 3.05	BF			ST	CH	FE	MD085346
							2	86.5 × 1.5 × 3.5	TF			FC	PH	PH	
							O	86.5 × 4.0 × 3.25	3F			ST	CH	PH	
33983	3F	4G69	SAVRIN/GRUNDER2.4			4	T	87.0 × 1.2 × 3.05	BF	BT		ST	CH	FE	MD377324
							2	87.0 × 1.2 × 3.4	TF	SP		FC	PH	PH	
							O	87.0 × 2.0 × 2.45	3F			ST	CH	PH	
33449	3F	4G69-2				4	T	87.0 × 1.2 × 3.05	BF			ST	CH	FE	S1110A966
							2	87.0 × 1.2 × 3.4	TF	SP		FD	PH	PH	
							O	87.0 × 2.0 × 2.6	3F			ST	CH	PH	
33977	3F	6B31	Outlander			6	T	87.6 × 1.2 × 3.1	BF	BT		ST	NT	NT	1110B435
							2	87.6 × 1.0 × 2.9	TF			FD	PH	PH	
							O	87.6 × 2.0 × 2.3	3F			ST	CH	PH	
33992	3F	4B12				4	T	88.0 × 1.2 × 3.25	BF	BT		ST	CH	FE	1110A822
							2	88.0 × 1.2 × 3.6	TF	SP		FC	PH	PH	1110C162
							O	88.0 × 2.0 × 2.25	3F			ST	CH	PH	
31607	2F	4DR-10 4DR1	Canter,Rosa B14,T90,T92,T94		2,384	4	T	88.0 × 2.5 × 3.6	BF			FD	CH	PH	30317-11011
							2	88.0 × 2.0 × 3.8	TF			FC	PH	PH	
							3	88.0 × 2.0 × 3.8	TF			FC	PH	PH	
							O	88.0 × 4.0 × 4.2	2F			FD	CH	PH	
33846	3F	4G53	Canter,Jeep,Rosa FC211,BC211,J26,J38,J46,J56		2,384	4	T	88.0 × 2.0 × 3.8	BF			FD	CH	PH	MD025000
							2	88.0 × 2.0 × 3.8	TF			FC	PH	PH	MD026985
							O	88.0 × 4.0 × 3.2	3F			ST	NT	NT	
33986	2FAC	K4N				4	T	90.0 × 2.5 × 3.35	HK	BF	BB	ST	NT	NT	MM438689
							2	90.0 × 2.0 × 3.7	TF	ST		FD	CH	PH	
							O	90.0 × 4.0 × 4.2	2F			ST	NT	NT	
33861	2FAC	4D55-NA 4D56-NA	GalantΣA167 Galant Sapporo		2,346	4	T	91.1 × 2.5 × 3.7	BF			FD	CH	PH	MD050395
							2	91.1 × 2.0 × 3.75	TF			FC	CH	PH	
							O	91.1 × 4.0 × 4.1	2F			ST	NT	NT	
33454	2FAC	4D56(D4)				4	T	91.1 × 2.5 × 3.3	HK	BF		ST	NT	NT	1110B977
							2	91.1 × 2.0 × 3.7	HK	TF		FD	CH	PH	
							O	91.1 × 3.0 × 3.55	2F			ST	NT	NT	
33921	2FAC	4D56-IC/TC	Galant		2,346	4	T	91.1 × 2.5 × 3.7	HK	BF	BB	FD	CH	PH	MD168293
							2	91.1 × 2.0 × 3.7	HK	TF	BB	FD	CH	PH	
							O	91.1 × 4.0 × 4.1	2F			ST	NT	NT	
33862	2FAC	4D56-TC 4D55-T 4D56	GalantΣA167 Galant Sapporo Turbo		2,346	4	T	91.1 × 2.5 × 3.7	HK	BF	BB	FD	CH	PH	MD050390
							2	91.1 × 2.0 × 3.7	HK	TF	BB	FD	CH	PH	MD103391
							O	91.1 × 4.0 × 4.1	2F			ST	NT	NT	
33979	2F	4D56 TDI				4	T	91.1 × 2.5 × 3.35	HK	BF		ST	NT	NT	1110A561
							2	91.1 × 2.0 × 3.8	HK	TF		FD	CH	PH	
							O	91.1 × 4.0 × 4.2	2F			ST	NT	NT	

TP No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape			Material	Surface Treatment		Reference
									①	②	③		Outside	Upper/Lower	
33920	3FAC	6G72	Sigma		2,972	6	T	91.1 × 1.2 × 3.35	BF	TF	3F	ST	NT	NT	MD301803
							2	91.1 × 1.5 × 3.8					CH	PH	MD354879
							O	91.1 × 3.0 × 2.85					NT	NT	MD158334
															MD301803
33965	3FAC	6G72-2	Sigma,Pajero		2,972	6	T	91.1 × 1.2 × 3.25	BF	TF	3F	ST	CH	FE	MD165949
							2	91.1 × 1.5 × 3.8					CH	PH	
							O	91.1 × 3.0 × 2.85					CH	PH	
33430	3F	6G72 BK				6	T	91.1 × 1.2 × 3.3	BF	TF	3F	ST	CH	FE	1110B180
							2	91.1 × 1.5 × 3.8					PH	PH	
							O	91.1 × 3.0 × 2.85					CH	PH	
33890	3F	6G72-C	Debonair 12A		2,972	6	T	91.1 × 1.5 × 3.55	BF	TF	3F	ST	NT	NT	MD104922
			Sigma				2	91.1 × 1.5 × 3.8					CH	PH	MD104923
							O	91.1 × 4.0 × 3.2					NT	NT	MD104939
															MD104940 MD129548
33407	2F	6G72-GDI-3			2,972	6	T	91.1 × 1.2 × 3.3	BF	TF	2F	ST	NT	NT	MN187664
							2	91.1 × 1.5 × 3.8					PH	PH	
							O	91.1 × 2.0 × 2.85					NT	NT	
33408	3F	6G72-S4			2,972	6	T	91.1 × 1.2 × 3.35	BF BT	TF SP	3F	ST	NT	NT	MD374009
							2	91.1 × 1.2 × 3.5					PH	PH	
							O	91.1 × 2.5 × 2.55					CH	PH	
33409	3FAC	6G72-S4(NEW)			2,972	6	T	91.1 × 1.2 × 3.3	BF	TF	3F	ST	NT	NT	1110A937
							2	91.1 × 1.5 × 3.8					CH	PH	
							O	91.1 × 3.0 × 2.85					CH	PH	
33428	3F	6G72,S2,S4				6	T	91.1 × 1.2 × 3.25	BF	TF	3F	ST	CH	FE	MD329755
							2	91.1 × 1.5 × 3.8					PH	PH	
							O	91.1 × 3.0 × 2.85					CH	PH	
33429	3FAC	6G72-MIVEC				6	T	91.1 × 1.2 × 3.25	BF	TF	3F	ST	CH	FE	MD323843
							2	91.1 × 1.5 × 3.6					CH	PH	
							O	91.1 × 3.0 × 2.85					CH	PH	
33860	3FAC	G54 4G54	Debonair,GalantΣ		2,555	4	T	91.1 × 2.0 × 3.5	BF	TF	3F	ST	CH	PH	MD025089
			Galant Sapporo				2	91.1 × 2.0 × 3.8					CH	PH	MD026835
			Dodge Challenger				O	91.1 × 4.0 × 3.2					NT	NT	MD026960
			Plymouth Sapporo												MD027140
			Jeep												MD107813 MD107818
33929	3FAC	G54-C 4G54	Debonair,Sapporo		2,555	4	T	91.1 × 1.5 × 3.55	BF	TF	3F	ST	NT	NT	MD101895
			Dodge Challenger				2	91.1 × 1.5 × 3.8					CH	PH	
							O	91.1 × 4.0 × 3.2					NT	NT	
33872	3FAC	G54-T	Starion		2,555	4	T	91.1 × 1.5 × 3.55	BF	TF	3F	ST	NT	NT	MD061258
		G54-V					2	91.1 × 1.5 × 3.8					CH	PH	MD080598
		G54					O	91.1 × 4.0 × 3.2					NT	NT	MD106752
		G54-C 4G54													

TF No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape	Material	Surface Treatment		Reference
									① ② ③		Outside	Upper/ Lower	
33931	3FAC	G54-U	Starion		2,555	4	T	91.1 × 1.5 × 3.55	BF	ST	NT	NT	MD076170
		2					91.1 × 1.5 × 3.8	TF	FC	CH	PH		
		O					91.1 × 4.0 × 3.2	3F	ST	NT	NT		
33836	2F	4DR-5	Canter		2,659	4	T	92.0 × 2.5 × 3.7	HK BF	FD	CH	PH	31617-02012
			T96A,96B,96A2,98A,98				2	92.0 × 2.0 × 3.9	TF	FC	PH	PH	31617-02013
			A2,98AD				3	92.0 × 2.0 × 3.9	TF	FC	PH	PH	31617-05102
			98B,98B2,200C,200CP,200CT				O	92.0 × 4.5 × 4.2	2F	FD	CH	PH	31617-05103
			200F,210C,210CD,210CT,210F										
			220,FE100,120										
31609	2F	6DR-5	Jupiter T44A,44B,44L		3,988	6	T	92.0 × 2.5 × 3.7	HK BF	FD	CH	PH	31717-12012
			Bus B360,BH212,215				2	92.0 × 2.0 × 3.9	TF	FC	PH	PH	31717-12013
			Fork Lift,FD60				3	92.0 × 2.0 × 3.9	TF	FC	PH	PH	
							O	92.0 × 4.5 × 4.2	2F	FD	CH	PH	
33933	3FAC	6G74	Debonair		3,500	6	T	93.0 × 1.5 × 3.5	BF BT	ST	NT	NT	MD300569
			2				93.0 × 1.5 × 3.9	TF SP	FC	CH	PH	MD369575	
			O				93.0 × 3.0 × 2.85	3F	ST	NT	NT		
33416	3F	6G74-GDI 93				6	T	93.0 × 1.5 × 3.55	BF BT	ST	NT	NT	MD366688
			2				93.0 × 1.5 × 3.8	TF SP	FC	PH	PH		
			O				93.0 × 3.0 × 2.8	3F	ST	NT	NT		
33410	3F	6G74-GDI-1 93			3,500	6	T	93.0 × 1.2 × 3.5	BF BT	ST	NT	NT	MN119685
			2				93.0 × 1.2 × 3.5	TF SP	FC	PH	PH		
			O				93.0 × 2.5 × 2.6	3F	ST	NT	NT		
33411	2F	6G74-GDI-2 93			3,500	6	T	93.0 × 1.2 × 3.5	BF	ST	NT	NT	MN187677
			2				93.0 × 1.2 × 3.5	TF SP	FC	PH	PH	MN187678	
			O				93.0 × 2.0 × 2.85	2F	ST	NT	NT	MN187679	
33412	3FAC	6G74-FFV 93			3,500	6	T	93.0 × 1.5 × 3.55	BF BT	ST	NT	NT	1110B587
			2				93.0 × 1.5 × 3.9	TF SP	FC	CH	PH		
			O				93.0 × 3.0 × 2.85	3F	ST	NT	NT		
33415	3FAC	6G74-MIVEC				6	T	93.0 × 1.5 × 3.35	BF BT	ST	NT	NT	MD355642
			2				93.0 × 1.5 × 3.7	TF SP	FC	CH	PH	MD369253	
			O				93.0 × 3.0 × 2.85	3F	ST	NT	NT		
33981	3F	6G74-S4	Debonair		3,500	6	T	93.0 × 1.5 × 3.5	BF BT	ST	CH	FE	MD322783
			2				93.0 × 1.5 × 3.8	TF SP	FC	PH	PH		
			O				93.0 × 3.0 × 2.85	3F	ST	CH	PH		
33975	2F	S4E	Fork Lift		2,609	4	T	94.0 × 2.5 × 3.9	HK BF	FD	CH	PH	34417-11011
		S4ES					2	94.0 × 2.0 × 3.9	TF	FC	PH	PH	
							O	94.0 × 4.5 × 4.25	2F	ST	CH	FE	
33455	2F	S4E-2				4	T	94.0 × 2.5 × 3.9	HK BF	FD	CH	PH	34417-11011
			2				94.0 × 2.0 × 3.9	TF	FC	PH	PH		
			O				94.0 × 4.5 × 4.25	2F	ST	CH	FE		
1cyl/set													

TP No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape			Material	Surface Treatment		Reference
									①	②	③		Outside	Upper/Lower	
33984	2FAC	S4S			2,609	4	T	94.0 × 2.5 × 3.3	HK	BF	ST	NT	NT	32A17-02010	
1cyl/set							2	94.0 × 2.0 × 3.9		TF	ST	FC	CH	PH	
							O	94.0 × 4.0 × 4.2	2F		ST	NT	NT		
33909	2F	4DR7			2,835	4	T	95.0 × 2.36 × 3.7	K	BF	FD	CH	PH	ME997256	
							2	95.0 × 2.0 × 3.9		TF	ST	FC	CH	PH	
							O	95.0 × 4.0 × 4.06	2F		ST	CH	PH		
33982	2FAC	4M40	Pajero		2,835	4	T	95.0 × 2.358 × 3.6	K	BF	ST	CH	FE	ME201522	
							2	95.0 × 2.0 × 3.9		TF	ST	FC	CH	PH	
							O	95.0 × 4.0 × 4.058	2F		ST	CH	FE		
33922	2FAC	4M40-NA	Canter		2,835	4	T	95.0 × 2.36 × 3.4	K	BF	ST	NT	NT	ME202342	
			Pajero				2	95.0 × 2.0 × 3.7		TF	ST	FD	CH	PH	ME202950
							O	95.0 × 4.0 × 4.0	2F		ST	CH	PH		
33447	2FAC	4M40-T				4	T	95.0 × 2.358 × 3.4	K	BF	ST	NT	NT	ME202940	
							2	95.0 × 2.0 × 3.9		TF	ST	FC	CH	PH	
							O	95.0 × 3.0 × 4.0	2F		ST	NT	NT		
33952	2FAC	4M40-TC	Pajero		2,835	4	T	95.0 × 2.358 × 3.4	K	BF	ST	NT	NT	ME202148	
							2	95.0 × 2.0 × 3.9		TF	ST	FC	CH	PH	
							O	95.0 × 3.0 × 4.0	2F		ST	NT	NT		
33968	2FAC	4M42				4	T	95.0 × 2.358 × 3.4	K	BF	ST	NT	NT	ME190317	
							2	95.0 × 2.0 × 3.7		TF	FC	CH	PH	ME993211	
							O	95.0 × 3.0 × 3.4	2F		ST	NT	NT	ME993212	
31603	2F	6DS1	Fuso Truck		4,678	6	T	95.0 × 2.5 × 4.1		BF	FC	CH	PH	30817-01006	
			T620,650B,650E,650J,650ZD				2	95.0 × 2.0 × 4.1		TF	ST	FC	CH	PH	ME020382
			Bus MR620				3	95.0 × 2.0 × 4.1		TF	FC	PH	PH	ME021376	
							O	95.0 × 4.5 × 4.2	2F		FC	CH	PH		
31610	2FAC	6DS3	Fuso Truck,T630B,651E,T652B		5,103	6	T	95.0 × 3.0 × 3.9	HK	BF	FD	CH	PH	ME021855	
			Bus B622B				2	95.0 × 2.0 × 4.1		TF	ST	FC	CH	PH	ME023327
							O	95.0 × 4.5 × 4.2	2F		FC	CH	PH	ME023327-2	
33993	3F	6G75				6	T	95.0 × 1.2 × 3.7		BF	BT	ST	NT	NT	1110A497
							2	95.0 × 1.2 × 3.6		TF	SP	FC	PH	PH	1110B806
							O	95.0 × 2.0 × 2.6	3F		ST	CH	PH	1110B571	MN183867
31606	2F3PS	6DS5	Fuso Truck,T630B,651E		4,987	6	T	98.0 × 3.0 × 4.2		BF	FC	CH	PH	30817-31000	
			Bus,B620B,620BE,620E				2	98.0 × 2.0 × 4.2		TF	ST	FC	CH	PH	ME020427
			Tractor T651ZR				3	98.0 × 2.0 × 4.2		TF	FC	PH	PH	ME021382	
							O	98.0 × 5.0 × 4.8	2F		FC	CH	PH	ME021856	
31611	2FAC	6DS7	Fuso Truck		5,430	6	T	98.0 × 3.0 × 4.0	HK	BF	FD	CH	PH	ME021861	
			T635B,653BG,663C,663ZD				2	98.0 × 2.0 × 4.2		TF	ST	FC	CH	PH	ME024409
			FK102				O	98.0 × 5.0 × 4.8	2F		FC	CH	PH		
			Bus,B623B,623E												
			Tractor T653ZR												

TP No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape			Material	Surface Treatment		Reference
									①	②	③		Outside	Upper/Lower	
31612	2FAC	6DS7	Fuso Truck		5,430	6	T	98.0 × 3.0 × 4.0	HK	BF		FD	CH	PH	ME023333
			T635B,653BG,663C				2	98.0 × 2.0 × 4.2		TF	ST	FC	CH	PH	ME023333-2
			663ZD,FK102				O	98.0 × 5.0 × 5.1	2F			FD	CH	PH	
			Bus,B623B,623E												
31613	2FAC	6DS7-3					T	98.0 × 3.0 × 4.0	HK	BF		FD	CH	PH	ME021861
							2	98.0 × 2.0 × 4.2		TF	ST	FC	CH	PH	ME024409
							O	98.0 × 5.0 × 4.8	2F			FC	CH	PH	
33956	2FAC	4M41-TI 4D65	Pajero		4		T	98.5 × 2.358 × 3.4	K	BF		ST	NT	NT	ME203533
			Triton				2	98.5 × 1.5 × 3.5		TF	BT	ST	NT	NT	1110A851
							O	98.5 × 3.0 × 3.75	2F			ST	NT	NT	
33422	2FAC	4M41-DID			4		T	98.5 × 2.358 × 3.4	K	BF		ST	NT	NT	1110B302
							2	98.5 × 1.5 × 3.5		TF	BT	ST	NT	NT	
							O	98.5 × 3.0 × 3.75	2F			ST	NT	NT	
33423	2FAC	4M41-PSU			4		T	98.5 × 2.358 × 3.4	K	BF		ST	NT	NT	1110B654
							2	98.5 × 1.5 × 3.5		TF	BT	ST	NT	NT	
							O	98.5 × 3.0 × 3.65	2F			ST	NT	NT	
33943	2FAC	4D30 4D31	Canter,Rosa		3,298	4	T	100.0 × 3.0 × 4.0	HK	BF		ST	CH	FE	ME012010
			Bus,BE211				2	100.0 × 2.0 × 4.2		TF	ST	FC	CH	PH	ME012070
			Truck FE104,111,114,121,211				O	100.0 × 5.0 × 4.75	2F			ST	NT	NT	
33912	2FAC	4D31T	Truck		3,298	4	T	100.0 × 3.0 × 4.0	HK	BF		ST	CH	FE	ME012848
			Canter				2	100.0 × 2.0 × 4.2		TF	ST	FC	CH	PH	ME997396
							O	100.0 × 4.0 × 3.95	2F			ST	NT	NT	ME997398
33947	2FAC	6D31 6D31T	Truck		4,948	6	T	100.0 × 3.0 × 4.0	HK	BF		ST	CH	FE	ME999717
			FK330				2	100.0 × 2.0 × 4.2		TF	ST	FC	CH	PH	
							O	100.0 × 5.0 × 4.75	2F			ST	NT	NT	
33948	2FAC	6D31T	Truck,Fighter		4,948	6	T	100.0 × 3.0 × 4.0	HK	BF		ST	CH	FE	ME999783
			FK330				2	100.0 × 2.0 × 4.2		TF	ST	FC	CH	PH	ME999836
							O	100.0 × 4.0 × 3.95	2F			ST	NT	NT	
33939	2FAC	4D32	Canter		3,567	4	T	104.0 × 3.0 × 4.0	HK	BF		ST	CH	FE	ME997318
							2	104.0 × 2.0 × 4.2		TF	ST	FC	CH	PH	ME999641
							O	104.0 × 4.0 × 4.2	2F			ST	NT	NT	
33950	2FAC	4D34 4D34T	Canter,Rosa		3,907	4	T	104.0 × 2.81 × 3.9	K	BF		ST	NT	NT	ME997240
			Fighter				2	104.0 × 2.0 × 4.2		TF	ST	FC	CH	PH	
							O	104.0 × 4.0 × 4.25	2F			ST	CH	FE	
33441	2FAC	6D34T				6	T	104.0 × 2.806 × 4.1	K	BF		FD	CH	PH	ME996442
							2	104.0 × 2.0 × 4.2		TF	ST	FC	CH	PH	
							O	104.0 × 4.0 × 4.25	2F			ST	CH	FE	
33850	2FAC	6D10 6D11	Fuso Truck		5,974	6	T	105.0 × 3.0 × 4.2	HK	BF		FD	CH	PH	ME032190
			T654B,654ZR,FK10-3				2	105.0 × 2.0 × 4.4		TF	ST	FC	CH	PH	ME032190-01
			FK103				O	105.0 × 5.0 × 4.8	2F			FD	CH	PH	ME032326
			Bus												ME032404
			MK103H,HM504H												

TP No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape			Material	Surface Treatment		Reference
									①	②	③		Outside	Upper/Lower	
33923	2FAC	4D33A 4D33	Canter		4,214	4	T	108.0 × 3.0 × 4.3	BF			FD	CH	PH	ME996378
			Fuso Truck FE437,447				2	108.0 × 2.0 × 4.4	TF ST			FC	CH	PH	
							O	108.0 × 4.0 × 4.3	2F			ST	CH	FE	
33959	2FAC	4D35	Rosa		4,561	4	T	110.0 × 3.0 × 4.0	BF			ST	CH	FE	ME996628
			Canter FE538,FE638				2	110.0 × 2.5 × 3.9	TF ST			FC	CH	PH	ME995237
							O	110.0 × 4.0 × 4.35	2F			ST	NT	NT	
33456	2FAC	4D35-2				4	T	110.0 × 3.0 × 3.9	BF BT			FD	CH	PH	ME995214
							2	110.0 × 2.0 × 3.9	TF BT			FD	CH	PH	
							O	110.0 × 4.0 × 4.371	2F			ST	CH	FE	
33851	2FAC	6D14	Fuso Truck		6,557	6	T	110.0 × 3.0 × 4.3	HK BF			FD	CH	PH	ME032071
			FK115,H50R,115F,115H				2	110.0 × 2.5 × 4.4	TF ST			FC	CH	PH	ME032260
			115J,115K,FM215,T656ZR				O	110.0 × 5.0 × 4.7	2F			FD	CH	PH	ME032404
			Bus												ME032458
33448	2FAC	6D14-2				6	T	110.0 × 3.0 × 4.1	BF			ST	CH		ME999952
							2	110.0 × 2.5 × 4.4	TF ST			FC	CH	PH	
							O	110.0 × 4.0 × 4.35	2F			ST	NT	NT	
33928	2FAC	6D14T	Fuso Truck,Bus		6,557	6	T	110.0 × 2.806 × 4.3	K BF			FD	CH	PH	ME997465
			MK115,115H,MM115,515				2	110.0 × 2.5 × 4.2	TF ST			FD	CH	PH	
							O	110.0 × 4.0 × 4.371	2F			ST	CH	FE	
31604	2F3PS	6DB	Fuso Truck		8,553	6	T	110.0 × 3.5 × 4.4	BF			FD	CH	PH	30017-71002
			T330,330D,331,335,337D				2	110.0 × 2.5 × 4.7	TF ST			FC	CH	PH	30017-71003
			370D,380,383,385D,390,410D				3	110.0 × 2.5 × 4.7	TF SP			FC	PH	PH	30017-75002
			460,480,482,K100,4K100,120				O	110.0 × 5.0 × 4.7	2F			FD	CH	PH	30017-75003
			Bus												
31605	2F3PS	8DB	AR470,480,AM480,B820J		11,404	8									
			MAR410,420,440,480,490												
			6W100D,R470,R480												
			MR410,420,430,440												
33867	2FAC	6D15	480,490,510,520		6,919	6									
			Fork Lift,FD150												
33961	2FAC	6D15T	Fuso Bus		11,404	8	T	110.0 × 3.5 × 4.4	BF			FD	CH	PH	30017-11000
			R820,870,AR820,870				2	110.0 × 2.5 × 4.7	TF ST			FC	CH	PH	
			MR820,870,MAR820,870				3	110.0 × 2.5 × 4.7	TF SP			FC	PH	PH	
							O	110.0 × 5.0 × 5.1	2F			FD	CH	PH	
33867	2FAC	6D15	Fuso Truck		6,919	6	T	113.0 × 3.0 × 4.3	HK BF			FD	CH	PH	ME032403
			FK116,216,FMJ316				2	113.0 × 2.5 × 4.4	TF ST			FC	CH	PH	ME072306
			MK116,MM116,516				O	113.0 × 5.0 × 4.9	2F			FD	CH	PH	
			Fighter,Aero Midi												
33961	2FAC	6D15T	Truck		6,919	6	T	113.0 × 2.806 × 3.9	K BF			ST	NT	NT	ME997456
							2	113.0 × 2.5 × 4.4	TF ST			FC	CH	PH	ME997466
							O	113.0 × 4.0 × 4.35	2F			ST	NT	NT	ME999929
															ME999954

TF No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape			Material	Surface Treatment		Reference
									①	②	③		Outside	Upper/ Lower	
33443	2FAC	4M50				4	T	114.0 × 2.806 × 3.9	K	BF	ST	NT	NT	ME993913	
							2	114.0 × 2.0 × 3.9		TF	BT	FD	CH	PH	ME995590
							O	114.0 × 4.0 × 4.25	2F		ST	NT	NT		
33413	2FAC	6D16TL	Fighter Aero Midi		7,545	6	T	118.0 × 2.806 × 3.9	K	BF	ST	NT	NT	ME995535	
							2	118.0 × 2.5 × 4.6		TF	ST	FC	CH	PH	ME995536(cyl)
							O	118.0 × 4.0 × 4.1	2F		ST	NT	NT		
33969	2FAC	4M51				4	T	118.0 × 3.0 × 4.0		BF	ST	NT	NT	ME995591	
							2	118.0 × 2.0 × 4.1		TF	ST	NT	NT	ME995592	
							O	118.0 × 4.0 × 4.35	2F		ST	NT	NT	ME995593	
33970	2FAC	4M51-2				4	T	118.0 × 3.0 × 4.0		BF	ST	NT	NT	ME995113	
							2	118.0 × 2.0 × 4.1		TF	ST	NT	NT	ME995114	
							O	118.0 × 3.0 × 3.65	2F		ST	NT	NT	ME995115	
33893	2FAC	6D16	Fuso Truck FK617A,FK618		7,545	6	T	118.0 × 3.0 × 4.6		BF	FD	CH	PH	ME999540	
							2	118.0 × 2.5 × 4.6		TF	ST	FC	CH	PH	ME999955
							O	118.0 × 4.0 × 4.3	2F		FC	CH	PH		
33910	2FAC	6D16	Fuso Truck		7,545	6	T	118.0 × 3.0 × 4.6		BF	FD	CH	PH	ME999955	
							2	118.0 × 2.5 × 4.6		TF	BT	FC	CH	PH	
							O	118.0 × 4.0 × 4.54	2F		ST	CH	PH		
33942	2FAC	6D16T	Fuso Truck		7,545	6	T	118.0 × 2.81 × 3.9	K	BF	ST	NT	NT	ME996591	
							2	118.0 × 2.5 × 4.6		TF	ST	FD	CH	PH	
							O	118.0 × 4.0 × 4.54	2F		ST	CH	FE		
33976	2FAC	6D17	Fuso Truck		7,600	6	T	118.0 × 2.81 × 3.9	K	BF	ST	NT	NT	ME996593	
							2	118.0 × 2.5 × 4.6		TF	ST	FD	CH	PH	
							O	118.0 × 4.0 × 4.1	2F		ST	NT	NT		
33953	2FAC	6M60T	Fuso Truck		7,545	6	T	118.0 × 2.81 × 3.9	K	BF	ST	NT	NT	ME993947	
							2	118.0 × 2.5 × 4.3		TF	ST	FD	CH	PH	ME993948
							O	118.0 × 4.0 × 4.35	2F		ST	NT	NT		
33436	2FAC	6M60T				6	T	118.0 × 2.81 × 3.9	K	BF	ST	NT	NT	ME993950	
							2	118.0 × 2.5 × 4.3		TF	ST	FD	CH	PH	
							O	118.0 × 4.0 × 4.35	2F		ST	NT	NT		
1cyl/set															
33437	2FAC	N6M60T				6	T	118.0 × 2.81 × 3.9	K	BF	ST	NT	NT	ME990062	
							2	118.0 × 2.5 × 4.3		TF	ST	FD	CH	PH	
							O	118.0 × 3.0 × 3.65	2F		ST	NT	NT		
33438	2FAC	N6M60T				6	T	118.0 × 2.81 × 3.9	K	BF	ST	NT	NT	ME990063	
							2	118.0 × 2.5 × 4.3		TF	ST	FD	CH	PH	
							O	118.0 × 3.0 × 3.65	2F		ST	NT	NT		
1cyl/set															
33451	2FAC	6M61	Fighter		8,201	6	T	118.0 × 3.0 × 4.0		BF	ST	NT	NT	ME995562	
							2	118.0 × 2.0 × 4.1		TF	ST	NT	NT	ME9955608(cyl)	
							O	118.0 × 4.0 × 4.1	2F		ST	NT	NT		
1cyl/set															
33852	2FAC	6D20 6D21	Fuso Truck FD217R,FR117,117FD,I317 NP117,INR117,RP117,K202 Bus MP117,117H,517,517H		10,308	6	T	125.0 × 4.0 × 5.0	HK	BF	FD	CH	PH	30917-01012	
							2	125.0 × 3.0 × 5.0		TF	ST	FC	CH	PH	30917-01013
							O	125.0 × 6.0 × 5.45	2F		FC	CH	PH		

TP No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape			Material	Surface Treatment		Reference
									①	②	③		Outside	Upper/ Lower	
33881	2FAC	6D20B	Fuso Truck		10,308	6	T	125.0 × 3.3 × 5.4	K	BF		FD	CH	PH	ME052145
		6D21B	FD217R,FP117,117FD		2	125.0 × 3.0 × 5.3		TF	ST	FC	CH	PH			
			NP117JD,K202		O	125.0 × 6.0 × 5.45	2F		FC	CH	PH				
			Bus												
			MP117,117H,517,517H												
33868	2FAC	6D22	Fuso Truck EP318		11,149	6	T	130.0 × 3.296 × 5.4	K	BF		FD	CH	PH	30917-20010
		6D22T	FT318,FU318		2	130.0 × 3.0 × 5.3		TF	ST	FC	CH	PH	ME052124		
			Bus		O	130.0 × 6.0 × 5.5	2F		FD	CH	PH				
			MP118,MP518												
33958	2FAC	6D22-C	Fuso Truck		11,149	6	T	130.0 × 3.0 × 4.95		BF		ST	NT	NT	ME052758
			FP308,FP313,MP118,MP518		2	130.0 × 3.0 × 5.3		TF	ST	FC	CH	PH			
					O	130.0 × 6.0 × 5.4	2F		ST	CH	FE				
33916	2FAC	6D22-T	Fuso Truck EP318		11,149	6	T	130.0 × 3.296 × 5.4	K	BF		FD	CH	PH	ME052889
			Bus		2	130.0 × 3.0 × 5.3		TF	ST	FD	CH	PH	ME995467		
			MP118,MP518		O	130.0 × 4.0 × 4.55	2F		ST	CH	FE				
33927	2FAC	6D22T	Fuso Truck,Bus		11,149	6	T	130.0 × 3.306 × 5.4	K	BF		FD	CH	PH	ME052787
			Fork Lift		2	130.0 × 3.0 × 5.3		TF	ST	FD	CH	PH			
					O	130.0 × 6.0 × 5.667	2F		ST	CH	FE				
33960	2FAC	6D24T	Truck			6	T	130.0 × 3.306 × 4.5	K	BF		FD	CH	PH	ME995636
					2	130.0 × 2.5 × 4.7		TF	BT	FD	CH	PH			
					O	130.0 × 4.0 × 4.35	2F		ST	NT	NT				
33827	2FAC	8DC-2	Fuso Truck		13,273	8	T	130.0 × 4.0 × 5.0	HK	BF		FD	CH	PH	31217-02010
		8DC-4	HV119KD,FP102DR		2	130.0 × 3.0 × 5.3		TF	ST	FC	CH	PH	ME062109		
		8DC-7	112DR,112M		O	130.0 × 6.0 × 5.5	2F		FC	CH	PH				
			T931,T951,T811,T910												
			FQ112,FQ112H,FS119S												
			T931,T901,T911												
			FT102HD,112,119,202S,212S												
			FV112,W122												
			FU102JD,102N,112,112N,119												
			W155,W250,W400,K301												
			119N,123,212,212R												
			K302,K351,K501,K701												
			FV102HR,102JD,112HR,112JD												
			K900,K350,B900,B905												
			112,113HR,119,119JD,313												
			B910,B915,B801,B806												
			K252,NV112,112KD,113JR												
			NW112KR,T811BR,811P,811ZR												
			901CR,901FD,902FD,936D												
			956JD,W122,150,250,400												
Bus															
B805N,NA,806K,L,N,905N,NA															
MS512,512N,512NA															

TP No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape			Material	Surface Treatment		Reference
									①	②	③		Outside	Upper/Lower	
33873	2FAC	8DC-4	Fuso Truck T931,T881,T910	11,149	8	T	130.0 × 3.306 × 5.4	K	BF		FD	CH	PH	ME062298	
		8DC-7	FT102,FV112	2		130.0 × 3.0 × 5.3		TF	ST	FC	CH	PH			
			Bus B801,B901	O		130.0 × 6.0 × 5.5	2F		FD	CH	PH				
33439	2FAC	6D40-T			6	T	135.0 × 3.306 × 4.7	K	BF		FD	CH	PH	ME120536	
			2	135.0 × 3.0 × 5.5			TF	ST	FD	CH	PH				
			O	135.0 × 4.0 × 4.35		2F		ST	NT	NT					
33457	2FAC	6M70	Aero Star	12,882	6	T	135.0 × 3.306 × 4.7	K	BF		FD	CH	PH	ME995857	
			Super Great	2		135.0 × 2.5 × 4.7		TF	BT	FD	CH	PH	ME995855/cyl		
				O		135.0 × 4.0 × 4.35	2F		ST	NT	NT				
33849	2FAC	8DC-6	Fuso Truck	14,886	8	T	135.0 × 4.0 × 5.0	HK	BF		FD	CH	PH	31217-60012	
		8DC-8	K400,FP103DR,113,FR113	2		135.0 × 3.0 × 5.5		TF	ST	FC	CH	PH	ME062086		
			FT103HD,N,FT113	O		135.0 × 6.0 × 5.85	2F		FC	CH	PH				
			HD,N,RP,203S												
			213S,FU103JD,N,113N,203R												
			213R,FV103JD,HR,113JD,HR												
			313,FW123,M,T812ZR,816ZR												
			902CR,FD,906FD,916FD,930CR												
			932DR,NW113KR												
			Bus												
			B907N,NA,S,SA,MS513,R,613												
33874	2FAC	8DC-81	FT,FJ,FV	14,886	8	T	135.0 × 3.306 × 5.4	K	BF		FD	CH	PH	ME062022	
		8DC-6		2		135.0 × 3.0 × 5.5		TF	ST	FC	CH	PH	ME062246		
				O		135.0 × 6.0 × 5.5	2F		FD	CH	PH	ME065684			
33869	2FAC	8DC-9	Fuso Diesel Truck	16,031	8	T	135.0 × 3.306 × 5.4	K	BF		FD	CH	PH	ME062018	
		8DC-9T	Tractor FP215,FV215	2		135.0 × 3.0 × 5.5		TF	ST	FC	CH	PH	ME062230		
				3		135.0 × 3.0 × 5.5		TF	SP	FC	CH	PH			
				O		135.0 × 6.0 × 5.5	2F		FD	CH	PH				
33888	2FAC	8DC-9	Fuso Truck	16,031	8	T	135.0 × 4.0 × 5.0	HK	BF		FD	CH	PH	ME062090	
		8DC-9T	FP315,FS313,FT315	2		135.0 × 3.0 × 5.5		TF	ST	FC	CH	PH			
			FU315,FV315,FW125	3		135.0 × 3.0 × 5.5		TF	SP	FC	PH	PH			
			Bus MS615	O		135.0 × 6.0 × 5.546	2F		ST	CH	FE				
33913	2FAC	8DC91T	Fuso Truck	16,031	8	T	135.0 × 3.296 × 5.4	K	BF		FD	CH	PH	ME090578	
			FP315,FS313,FT315	2		135.0 × 3.0 × 5.5		TF	ST	FC	CH	PH			
			FU315,FV315,FW125	3		135.0 × 3.0 × 5.5		TF	SP	FC	PH	PH			
			Bus MS615	O		135.0 × 4.0 × 4.662	2F		ST	CH	FE				
33459	2FAC	8DC10				T	138.0 × 3.306 × 5.5	K	BF		FD	CH	PH	ME090582	
			2	138.0 × 3.0 × 5.6			TF	ST	FC	CH	PH				
			3	138.0 × 3.0 × 5.6				FC	CH	PH					
			O	138.0 × 4.0 × 4.75		2F		ST	NT	NT					
33915	2FAC	8DC11	KS,Fuso,Aero Bus	16,752	8	T	142.0 × 3.306 × 5.6	K	BF		FD	CH	PH	30617-5011	
			KC-FV,Super Great	2		142.0 × 3.0 × 5.8		TF	ST	FC	CH	PH	ME090586		
				3		142.0 × 3.0 × 5.8		TF	SP	FC	CH	PH	ME999990		
				O		142.0 × 4.0 × 4.662	2F		ST	CH	FE				

TP No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape			Material	Surface Treatment		Reference
									①	②	③		Outside	Upper/ Lower	
33978	2FAC	8DC11	KS,Fuso,Aero Bus KC-FV,Super Great	16,752	8	T	142.0 × 3.306 × 5.6	K	BF		FD	CH	PH	30617-5011	
						2	142.0 × 3.0 × 5.8		TF	ST	FC	CH	PH	ME090586	
						3	142.0 × 3.0 × 5.8		TF	SP	FC	CH	PH	ME999990	
						O	142.0 × 4.0 × 4.662	2F		ST	CH	FE			
1cyl/set															
33452	2FAC	8M20				8	T	146.0 × 3.306 × 5.2	K	BF		FD	CH	PH	ME996163
						2	146.0 × 3.0 × 5.6		TF	ST	FD	CH	PH		
						3	146.0 × 3.0 × 5.7		TF	SP	FC	CH	PH		
						O	146.0 × 4.0 × 4.4	2F		ST	NT	NT			
1cyl/set															
33453	2FAC	8M21				8	T	150.0 × 3.306 × 5.2	K	BF		FD	CH	PH	ME996167
						2	150.0 × 3.0 × 5.8		TF	ST	FD	CH	PH		
						3	150.0 × 3.0 × 5.8		TF	SP	FC	CH	PH		
						O	150.0 × 4.0 × 4.75	2F		ST	NT	NT			
1cyl/set															

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TF No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape ① ② ③	Material	Surface Treatment Outside Upper/Lower	Reference
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34090	3F	MA10 MA10ET	March	987	4	T	68.0 × 1.5 × 2.6	BF	ST	CH	FE	12033-01B05
						2	68.0 × 1.5 × 3.1	TF	FC	PH	PH	12033-01B10
						O	68.0 × 2.8 × 2.9	3F	ST	CH	PH	12033-01B11
34197	3F	CG	MARCH	997	4	T	71.0 × 1.2 × 2.5	BF	ST	CH	PH	12033-41B01
						2	71.0 × 1.5 × 3.1	TF	FC	PH	PH	
						O	71.0 × 3.0 × 2.8	3F	ST	NT	NT	
34199	3F	CR12DE	AD/AD EXPERT/March	4		T	71.0 × 1.2 × 2.5	BF	ST	CH	PH	12033-AX001
						2	71.0 × 1.2 × 2.7	TF	FC	PH	PH	12033-AX00A
						O	71.0 × 2.0 × 2.25	3F	ST	CH	PH	
34144	3F	GA13DS		1,200	4	T	71.0 × 1.5 × 2.5	BF	ST	CH	FE	12033-05B10
						2	71.0 × 1.5 × 3.05	TF	FC	PH	PH	12033-05B11
						O	71.0 × 2.8 × 2.75	3F	ST	NT	PH	
34210	3F	CG13		4		T	72.0 × 1.2 × 2.6	BF	ST	CH	PH	12033-2U800
						2	72.0 × 1.2 × 3.1	TF	FC	PH	PH	
						O	72.0 × 2.5 × 2.45	3F	ST	CH	PH	
34001	3F	A12	Bluebird	1,299	4	T	73.0 × 2.0 × 3.0	BF	FC	CH	PH	12033-A6200
		J	P140,410,411,WP410	1,189	2	73.0 × 2.0 × 3.0	TF	FC	PH	PH	12033-B3040	
		EJ	1200,1300,Pick-Up	1,177	O	73.0 × 4.0 × 3.2	3F	ST	CH	PH	12033-H6200	
		J13	320,520,521,A321								12033-H6201	
		A10	G521,620,KA321,KPA321									
		F1	SA321,U510,521,620									
		A13	N320,U320,UA321,V320									
		JC	VA320,321,A320,AD320									
			KA320,SA320									
			Sunny(100Y,120Y)									
			B10,20,120,KB10,KC20,VB10									
			Cherry									
			A-KPC20D,B-F11,F10									
34067	3F	E10	Sunny	1,000	4	T	73.0 × 1.5 × 2.7	BF	ST	CH	FE	12033-41M01
		E10S	P130,VP130,WP130		2	73.0 × 1.5 × 3.1	TF SP	FC	PH	PH	12033-41M02	
					O	73.0 × 4.0 × 3.25	3F	ST	CH	PH		
34178	3F	EJ5KK		4		T	73.0 × 1.2 × 2.2	BF	ST	CH	FE	12033-AX201
						2	73.0 × 1.2 × 2.8	TF	FC	PH	PH	12033-AX20A
						O	73.0 × 2.0 × 2.15	3F	ST	NT	NT	

TP No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape			Material	Surface Treatment		Reference
									①	②	③		Outside	Upper/Lower	
34081	3F	GA14 GA14S	AD Van		1,400	4	T	73.6 × 1.5 × 2.75	BF			ST	NT	NT	12033-87A00
			R-VY10,VFY10				2	73.6 × 1.5 × 3.2	TF			FC	CH	PH	12033-87A10
							O	73.6 × 2.8 × 2.8	3F			ST	CH	PH	
34084	3F	GA15 GA15S	AD Van		1,400	4	T	73.6 × 1.5 × 2.75	BF			ST	NT	NT	12033-53Y00
			R-VY10,VFY10				2	73.6 × 1.5 × 3.2	TF			FC	PH	PH	
							O	73.6 × 2.8 × 2.8	3F			ST	CH	PH	
34207	3F	QG15DE				4	T	73.6 × 1.2 × 2.6	BF			ST	CH	FE	12033-5M370
							2	73.6 × 1.2 × 3.2	TF			FC	PH	PH	
							O	73.6 × 2.5 × 2.65	3F			ST	CH	PH	
34037	3F	A12A	Sunny(120Y),B310,YN10		1,237	4	T	75.0 × 2.0 × 2.75	BF			ST	NT	NT	12033-H8500
			Pulser(120A)Cherry				2	75.0 × 2.0 × 3.2	TF			FC	PH	PH	
							O	75.0 × 4.0 × 3.25	3F			ST	CH	PH	
34606	3F	A14	Sunny(140Y)		1,397	4	T	76.0 × 2.0 × 2.75	BF			ST	NT	NT	12033-H7200
			B310,B-A10,B-KA10,B-HB211				2	76.0 × 2.0 × 3.4	TF			FC	PH	PH	12033-H8660
			B-KHB211,B-KPF11				O	76.0 × 4.0 × 3.25	3F			ST	CH	PH	12033-H8900
			Violet(140J)												12033-H9910
			HB310,H-VHB210,HN10,PC												
34038	3F	A15 A14(NEW)	Sunny		1,487	4	T	76.0 × 1.2 × 3.1	BF			ST	CH	FE	12033-H7680
			Pulser				2	76.0 × 2.0 × 3.4	TF			FC	PH	PH	12033-H9800
			Vanette(C20),KHC120				O	76.0 × 4.0 × 3.2	3F			ST	CH	PH	12033-H9810
															12033-H9915
															12033-H9918
34053	3F	E13 E15 E13S E15S E15-T E16	Sunny(210),AD		1,270	4	T	76.0 × 1.5 × 3.2	BF			FD	CH	PH	12033-01M01
			Van,B11FWD				2	76.0 × 1.5 × 3.4	TF SP			FC	PH	PH	12033-01M02
			Pulser,AD Van				O	76.0 × 4.0 × 3.2	3F			ST	CH	FE	12033-01M10
			Datsun,AD Van												12033-01M12
			Laurel Spirit												12033-17M00
			SENTRA,rangley												12033-17M10
34082	3F	GA16 GA16DE	Sunny		1,600	4	T	76.0 × 1.5 × 3.2	BF			FD	CH	PH	12033-57Y00
			Pulser				2	76.0 × 1.5 × 3.2	TF			FC	PH	PH	12033-57Y01
			Premiera				O	76.0 × 2.8 × 2.85	3F			ST	CH	PH	12033-84A11
34079	3FAC	GA16-DS 6A16	Blue Bird		1,600	4	T	76.0 × 1.5 × 2.75	BF			ST	NT	NT	12033-94M00
			Carena,Sunny,Pulser				2	76.0 × 1.5 × 3.2	TF			FC	CH	PH	12033-94M01
							O	76.0 × 2.8 × 2.75	3F			ST	NT	PH	12033-94M02
34198	3F	QG16DE	PRIMERA 02-			4	T	76.0 × 1.2 × 2.8	BF			ST	CH	PH	12033-7J910
							2	76.0 × 1.2 × 3.2	TF			FC	PH	PH	
							O	76.0 × 2.5 × 2.75	3F			ST	CH	PH	

TP No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape			Material	Surface Treatment		Reference
									①	②	③		Outside	Upper/Lower	
34112	3F	VQ20 VQ20DE	Cefiro		1,995	6	T	76.0 × 1.2 × 2.75	BF	BT		ST	CH	FE	12033-31U00
			Maxima				2	76.0 × 1.2 × 3.2	TF			FC	PH	PH	12033-31U01
							O	76.0 × 2.5 × 3.05	3F			ST	CH	PH	
34062	3FAC	CA16S	Auster		1,598	4	T	77.95 × 1.5 × 3.3	BF			FD	CH	PH	12033-D0120
			Stanza				2	77.95 × 1.5 × 3.4	TF	SP		FC	CH	PH	12033-D0400
			Blue Bird				O	77.95 × 4.0 × 3.0	3F			ST	CH	PH	12033-06E00
															12033-06E10
34031	3F	J15 J16	Caravan(E20)		1,483	4	T	77.95 × 2.0 × 3.7	BF			FC	CH	PH	12033-01W60
			1500,1600 Pick-Up				2	77.95 × 2.0 × 3.7	TF	SP		FC	PH	PH	12033-01W61
			N521,N620,GN1521,UN521				O	77.95 × 4.0 × 3.85	3F			ST	CH	PH	12033-01W62
			VH521,T20,HT20,VHT20												12033-B3030
			VV20												12033-B8200
			Bus												
34019	3F	L20 L20A	Cedric(200C)		1,998	6	T	77.95 × 2.0 × 3.7	BF			FC	CH	PH	12033-73401
			H130				2	77.95 × 2.5 × 3.7	TF	SP		FC	PH	PH	12033-73402
							O	77.95 × 4.0 × 3.55	3F			ST	CH	FE	
34025	3F	L20A LPG L20ET	Cedric(200C)		1,998	6	T	77.95 × 2.0 × 3.7	BF			FC	CH	PH	12033-E3030
			Gloria				2	77.95 × 2.0 × 3.7	TF			FC	PH	PH	12033-V0300
			Laurel(200L)				O	77.95 × 4.0 × 3.55	3F			ST	CH	PH	12033-V0310
			Skyline(200K)												12033-V0400
			FairladyZ(200Z)												
34059	3F	L20A-2	Cedric		1,998	6	T	77.95 × 1.5 × 3.3	BF			FD	CH	PH	12033-01L00
			H130,HV130,W230,330				2	77.95 × 2.0 × 3.6	TF	SP		FC	PH	PH	
			V230,VH130,W230,WH130				O	77.95 × 4.0 × 3.55	3F			ST	CH	FE	
			Bluebird												
			C-RG810,G610,KG610												
			Skyline2000GT												
			AGC110,GC10,110												
			KGC10,110,KPC110,WPC110												
			Gloria HA30,VHA30												
			Fairlady Z												
34036	3F	L20E L20A (NEW)	Cedric(200C)		1,998	6	T	77.95 × 1.2 × 3.2	BF			ST	CH	PH	12033-Y7000
			Gloria				2	77.95 × 2.0 × 3.7	TF			FC	PH	PH	12033-Y7010
			430,K430,V430,VH430,W430				O	77.95 × 4.0 × 3.65	3F			ST	CH	PH	12033-Y7011
			Fairlady Z(200Z)GS130,S130												
			Leopard PF30												
			Laurel(200L)												
			HC231,HLC230,KHC231,												
			KHL231												
			Skyline(200K)K,HGC211												

TP No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape			Material	Surface Treatment		Reference	
									①	②	③		Outside	Upper/ Lower		
34177	3F	HR16DE				4	T	78.0 × 1.2 × 2.5	BF			ST	CH	FE	12033-EE000	
							2	78.0 × 1.2 × 2.7	TF				FC	PH		PH
							O	78.0 × 2.0 × 2.4	3F				ST	CH		PH
34061	2FAC	CD17	Sunny Diesel,SB11		1,680	4	T	80.0 × 1.75 × 2.95	BF			ST	NT	NT	12033-16A00	
							2	80.0 × 2.0 × 3.3	TF ST				FC	CH		PH
							O	80.0 × 3.0 × 3.75	2F				ST	NT		NT
34195	3F	QG18				4	T	80.0 × 1.2 × 2.85	BF			ST	CH	FE	12033-4M70A	
							2	80.0 × 1.2 × 3.4	TF				FC	PH		PH
							O	80.0 × 2.5 × 2.65	3F				ST	NT		NT
34131	3F	QG18DE			1,769	4	T	80.0 × 1.2 × 2.85	BF			ST	CH	FE	12033-AV300	
							2	80.0 × 1.2 × 3.4	TF				FC	PH	PH	12033-8M100
							O	80.0 × 2.5 × 2.5	3F				ST	CH	PH	
34202	3FAC	QG18DE-2	WINGROAD			4	T	80.0 × 1.5 × 2.9	BF			ST	CH	FE	12033-WD310	
			BLUE BIRD				2	80.0 × 1.5 × 3.4	TF				FC	CH		PH
			SENTRA				O	80.0 × 2.8 × 2.75	3F				ST	CH		PH
34080	3F	J18	MEXICO NISSAN		1,800	4	T	80.5 × 1.5 × 3.5	BF			FD	CH	PH	12033-J2190	
			2				80.5 × 2.0 × 3.7	TF SP			FC		PH	PH	12033-J21G0	
			O				80.5 × 4.0 × 3.2	3F			ST		CH	PH	12033-N7900	
34032	3F	G15	Skyline1500		1,484	4	T	82.0 × 2.0 × 3.8	BF			FC	CH	PH	12033-28500	
			C10,C10M,S,WT,WC10M				2	82.0 × 2.0 × 3.8	TF				FC	PH		PH
			VC10M,S				O	82.0 × 4.0 × 3.55	3F				ST	CH		FE
34063	3F	CA18	Bluebird		1,809	4	T	83.0 × 1.5 × 3.1	BF			ST	NT	NT	12033-01E00	
		C18E	Stanza,Auster				2	83.0 × 1.5 × 3.6	TF SP				FC	PH	PH	12033-01E10
		C18S	Laurel,Skyline				O	83.0 × 4.0 × 3.6	3F				ST	CH	PH	12033-01F00
		Gazella,Siliva											12033-D0210	12033-D0500		
34180	3FAC	CA18-DET	Gazelle		1,809	4	T	83.0 × 1.5 × 2.9	BF			ST	NT	NT	12033-44F00	
			2				83.0 × 1.5 × 3.6	TF			FC		CH	PH	12033-D4210	
			O				83.0 × 2.8 × 2.75	3F			ST		NT	NT	12033-17F00	
														12033-18F00	12033-18F10	
34066	3FAC	CA18ET	Bluebird V11T		1,809	4	T	83.0 × 1.5 × 2.9	BF			ST	CH		12033-17F00	
			Stanza,Auster				2	83.0 × 1.5 × 3.6	TF				FC	CH	PH	12033-18F00
			Gazella turbo				O	83.0 × 2.8 × 2.95	3F				ST	CH	PH	12033-18F10

TP No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape			Material	Surface Treatment		Reference
									①	②	③		Outside	Upper/Lower	
34023	3F	L16 L13 L14 Z16	Bluebird1300		1,296	4	T	83.0 × 2.0 × 3.1	BF			ST	NT	NT	12033-21000
			510,V510,W510		1,428		2	83.0 × 2.0 × 3.4	TF			FC	PH	PH	12033-23000
			Bluebird1400		1,595		O	83.0 × 4.0 × 3.6	3F			ST	CH	PH	12033-A0600
			N510,VH510												12033-A3500
			Violet(140J)												12033-A3501
			J710,JK710,VJ710												12033-W0700
			Sunny(140Y)												12033-W7110
			A-PB210,PB210												
			Bluebird1600												
34035	3F	L24 L26	Cedric(240C),ML430		2,393	6	T	83.0 × 2.0 × 3.1	BF			ST	NT	NT	12033-A8620
			Laurel(240L),KMLC230		2,563		2	83.0 × 2.0 × 3.4	TF			FC	PH	PH	12033-E3100
			Skyline(240K),K-MLGC210				O	83.0 × 4.0 × 3.6	3F			ST	CH	PH	12033-E3110
			Fairlady Z(240Z)												12033-W0810
			Cedric(260C)												
			Gloria,Laurel(260L)												
			Fairlady Z(260Z)												
34051	3F	L24E	Bluebird, Maxima		2,393	6	T	83.0 × 1.5 × 3.1	BF			ST	NT	NT	12033-W2400
							2	83.0 × 2.0 × 3.4	TF			FC	PH	PH	12033-W2410
							O	83.0 × 4.0 × 3.6	3F			ST	CH	PH	12033-W2420
34052	3F	L24E-2	Bluebird		2,393	6	T	83.0 × 1.5 × 3.6	BF			FD	CH	PH	12033-W3100
							2	83.0 × 1.5 × 3.6	TF SP			FC	PH	PH	
							O	83.0 × 4.0 × 3.55	3F			ST	CH	FE	
34022	2F	SD22 SD20	Cedric Diesel(200C)		1,991	4	T	83.0 × 2.5 × 3.15	HK BF			ST	NT	NT	12033-37500
			Q130,230,330,QG31Y		2,164		2	83.0 × 2.0 × 3.4	TF			FC	PH	PH	12033-76202
			Laurel Diesel(200L)				3	83.0 × 2.0 × 3.4	TF SP			FC	PH	PH	12033-76203
			Caravan(E20)				O	83.0 × 4.5 × 4.25	2F			ST	CH	FE	12033-76204
			DRGE23,GKRE20				O	83.0 × 4.5 × 3.4	1F			FC	PH	PH	12033-V1310
			VRE20,VRSE20												12033-Y1400
			Caball												12033-Y1401
			DQC240,HQC142,QC141,240												12033-Y1402
			Cabstar												12033-Y1404
			QF21,QLGF20												12033-Y1410
			Diesel Pick-Up												12033-Y1412
34054	2F	SD22-2	Truck		2,164	4	T	83.0 × 2.5 × 3.5	BF			FD	CH	PH	12033-R8100
			Q22,40,QC141,240,DQC240				2	83.0 × 2.0 × 3.4	TF			FC	PH	PH	12033-R8103
			HQC142,240				O	83.0 × 4.5 × 4.25	2F			ST	CH	FE	12033-R8104
			Bus												12033-R8110
			GHQC240,658,665												12033-R8112
			GQC240												12033-R8114

TP No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape			Material	Surface Treatment		Reference
									①	②	③		Outside	Upper/Lower	
34034	2F	SD33	Truck		3,246	6	T	83.0 × 2.5 × 3.15	HK	BF		ST	NT	NT	12033-61500
			QC80,QSC80,DQS80,A,B				2	83.0 × 2.0 × 3.4		TF		FC	PH	PH	12033-61502
			Safari 4WD				3	83.0 × 2.0 × 3.4		TF	SP	FC	PH	PH	12033-61503
			Patrol 4WD				O	83.0 × 4.5 × 4.25	2F			ST	CH	FE	12033-J2200
			KR160,KRL160,JRL160, VRG160				O	83.0 × 4.5 × 3.4	1F			FC	PH	PH	12033-J2202
															12033-J2204
34191	2FAC	SD33T	Patrol 4WD		3,246	6	T	83.0 × 2.5 × 3.5	HK	BF		FC	CH	PH	12033-C8702
			Safari 4WD				2	83.0 × 2.0 × 3.4		TF	ST	FC	CH	PH	12033-C8704
							O	83.0 × 4.0 × 3.9	2F			ST	NT	NT	
34162	3F	MR20DE	TIIDA			4	T	84.0 × 1.2 × 2.6		BF		ST	CH	FE	12033-EN200
							2	84.0 × 1.2 × 3.0		TF		FC	PH	PH	12033-CK80A
							O	84.0 × 2.0 × 2.45	3F			ST	CH	PH	12033-EN20A
34056	3FAC	CA20	Bluebird YU11		1,973	4	T	84.5 × 1.5 × 3.6		BF		FD	CH	PH	12033-04E00
		CA20A	Cedric NY30				2	84.5 × 1.5 × 3.9		TF	SP	FC	CH	PH	12033-04E10
		CA20S	Vanette				O	84.5 × 4.0 × 3.2	3F			ST	CH	PH	12033-D1700
34086	3F	CA20(NEW) CA20E	Bluebird		1,973	4	T	84.5 × 1.5 × 3.15		BF		ST	NT	NT	12033-13E00
							2	84.5 × 1.5 × 3.7		TF		FC	CH	PH	12033-35R00
							O	84.5 × 2.8 × 2.9	3F			ST	NT	PH	12033-61E10
34097	2FAC	CD20	Sunny Diesel		1,952	4	T	84.5 × 2.0 × 2.95		BF		ST	NT	NT	12033-57J00
			Datsun Truck				2	84.5 × 2.0 × 3.5		TF	ST	FC	CH	PH	
							O	84.5 × 3.0 × 3.3	2F			ST	NT	NT	
34039	2F	LD28	Cedric Diesel(280C)		2,792	6	T	84.5 × 2.0 × 3.15		BF		ST	NT	NT	12033-V0700
			Gloria				2	84.5 × 2.0 × 3.5		TF	ST	FC	PH	PH	
			H430,HL430,KH430,W430				O	84.5 × 4.0 × 4.1	2F			ST	NT	NT	
			Skyline Diesel(280K) EGC211,KEGC211												
34163	3F	J23	TEANA			6	T	85.0 × 1.2 × 3.15		BF	BT	ST	NT	NT	
							2	85.0 × 1.2 × 3.5		TF	SP	FC	PH	PH	
							O	85.0 × 2.0 × 2.25	3F			ST	CH	PH	
34028	3F	L18	Skyline(180K)		1,815	4	T	85.0 × 2.0 × 3.8		BF		FC	CH	PH	12033-78520
		G16,G18	KPC10,110,PC10,110		1,770		2	85.0 × 2.0 × 3.9		TF		FC	PH	PH	12033-78521
		Z18	VPC10,110,WPC10,110		1,998		O	85.0 × 4.0 × 3.6	3F			ST	CH	PH	12033-A8701
		L20B	Laurel(180L)												12033-A8702
		G4	C30,C30A,C30T,KC30												12033-U6000
			Bluebird												12033-U6001
			AP610,C-PB810,C-PJ810, H510												12033-U6002
			KH510,KP610,P610,U1800												12033-W0805
			1800 Pick-Up												12033-W0815
			KPL720,UPL720												12033-W1600
			P910,KP910,KML910, WP910												
			Bluebird ,HL610												

TP No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape			Material	Surface Treatment		Reference
									①	②	③		Outside	Upper/Lower	
34040	2F	LD20	Bluebird Diesel,VEJ910		1,952	4	T	85.0 × 2.0 × 3.15	BF			ST	NT	NT	12033-W1700
			Skyline Diesel(200K)				2	85.0 × 2.0 × 3.5	TF ST			FC	PH	PH	
			VSC211				O	85.0 × 4.0 × 4.1	2F			ST	NT	NT	
34129	2FAC	RD28	Crew		2,825	6	T	85.0 × 2.0 × 3.15	BF			ST	NT	NT	12033-22J11
			Gloria,skyline				2	85.0 × 2.0 × 3.5	TF ST			FC	CH	PH	
							O	85.0 × 4.0 × 4.1	2F			ST	NT	NT	
34042	3FAC-T	Z18	Bluebird ,KY910		1,952	4	T	85.0 × 1.5 × 3.6	TF			FD	CH	PH	12033-24G00
		Z20	Skyline(200K),KVC211				2	85.0 × 1.5 × 3.9	TF			FC	CH	PH	12033-N8510
		Z20E	Laurel(200L),VC231,KVC231				O	85.0 × 4.0 × 3.55	3F			ST	CH	PH	12033-N8520
			Silvia(200SX),PS110,KPS110												
			Vanette(C20),KHE23												
34057	3F	Z20-2	Bluebird (200SX)		1,952	4	T	85.0 × 1.2 × 3.1	BF			ST	CH	PH	12033-N8500
		Z20F	Silvia				2	85.0 × 1.5 × 3.8	TF			FC	PH	PH	
							O	85.0 × 4.0 × 3.2	3F			ST	CH	PH	
34068	3F	Z20-3	Auster Stanza		1,952	4	T	85.0 × 1.2 × 3.1	BF			ST	CH	PH	12033-04W00
		Z18-3	FRA11,JF30,KPC231				2	85.0 × 2.0 × 3.7	TF			FC	PH	PH	12033-D5810
		Z20B	JF30,PC231,P,PG				O	85.0 × 4.0 × 3.2	3F			ST	CH	PH	
		L20B	WP910,S-KS110												
34007	3F	P	Patrol 4WD,Truck		3,956	6	T	85.69 × 2.5 × 3.7	BF BT			FC	CH	PH	12033-58003
			680,681,D680,G680,T680				2	85.69 × 2.5 × 3.7	TF			FC	PH	PH	12033-58004
			780,D780,G780,S780,T780				O	85.69 × 4.76 × 3.55	3F			ST	CH	PH	12033-58005
			Bus,E690												12033-C6000
34170	3FAC	K30 SY31			4		T	86.0 × 1.2 × 3.15	BF BT			ST	NT	NT	12033-VR300
							2	86.0 × 1.2 × 3.5	TF			FC	CH	PH	
							O	86.0 × 4.0 × 2.9	3F			ST	NT	NT	
34608	3F	L28	Cedric(280C)		2,753	6	T	86.0 × 2.0 × 3.1	BF BT			ST	CH		12033-N4200
		L28F	Laurel(280L)				2	86.0 × 2.0 × 3.6	TF ST			FC	PH	PH	12033-N4210
			A-P330,A-SC130,CKN230				O	86.0 × 4.0 × 3.25	3F			ST	NT	NT	12033-N4220
			CNC230,KP330,KSC130, KNC213												12033-P8360
			Fairlady Z(280Z) HS130,HLS130,KHLS130 HLGS130,KHLGS130 Leopard												12033-P8370
34055	3F	L28-2	Laurel(280Z)		2,753	6	T	86.0 × 1.5 × 3.35	BF			ST	NT	NT	12033-P7900
		L28-T	Leopard				2	86.0 × 2.0 × 3.6	TF ST			FC	PH	PH	12033-P7910
		L28E	Fairlady				O	86.0 × 4.0 × 3.25	3F			ST	NT	NT	12033-P8600
			Cabster NW40												12033-P8610
34111	3FAC	NA20			4		T	86.0 × 1.5 × 3.35	BF			ST	NT	NT	12033-3T602
							2	86.0 × 1.5 × 3.8	TF			FC	PH	PH	
							O	86.0 × 4.0 × 3.25	3F			ST	NT	NT	
34188	3FAC	NA20S	Caravan		2,000	4	T	86.0 × 1.5 × 3.1	BF			ST	NT	NT	12033-85G00
							2	86.0 × 1.5 × 3.7	TF			FC	CH	PH	12033-85G10
							O	86.0 × 4.0 × 3.4	3F			ST	NT	NT	

TP No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape			Material	Surface Treatment		Reference
									①	②	③		Outside	Upper/Lower	
34076	3F	RB30E			3,000	6	T	86.0 × 1.5 × 3.35	BF			ST	NT	NT	12033-67S10
							2	86.0 × 1.5 × 3.8	TF			FC	PH	PH	12033-B4910
							O	86.0 × 2.8 × 2.9	3F			ST	CH	PH	
34085	3F	SR20	Bluebird		1,998	4	T	86.0 × 1.5 × 3.35	BF			ST	NT	NT	12033-53J00
							2	86.0 × 1.5 × 3.8	TF			FC	PH	PH	
							O	86.0 × 3.0 × 2.85	3F			ST	CH	PH	
34186	3F	SR20				4	T	86.0 × 1.2 × 3.0	BF			ST	CH	FE	12033-2J210
							2	86.0 × 1.2 × 3.7	TF			FC	PH	PH	
							O	86.0 × 2.5 × 2.75	3F			ST	CH	PH	
34187	3FAC	SR20-2	Bluebird Silvia 180SX		2,000	4	T	86.0 × 1.2 × 3.1	BF BT			ST	NT	NT	12033-4M802
							2	86.0 × 1.2 × 3.7	TF			FC	CH	PH	
							O	86.0 × 2.5 × 2.75	3F			ST	CH	PH	
34169	3FAC	TZ3P				4	T	86.0 × 1.5 × 3.2	BF BT			ST	NT	NT	12033-OH600
							2	86.0 × 1.5 × 3.7	TF			FC	CH	PH	
							O	86.0 × 4.0 × 2.9	3F			ST	NT	NT	
34167	2F	YD22			2,200	4	T	86.0 × 2.0 × 2.95	HK BF			ST	NT	NT	12033-AW400
							2	86.0 × 2.0 × 3.5	TF ST			FC	PH	PH	
							O	86.0 × 3.0 × 3.53	2F			ST	NT	NT	
34168	2FAC	YD22-2			2,200	4	T	86.0 × 1.75 × 3.0	HK BF			ST	NT	NT	12033-WD000
							2	86.0 × 1.5 × 3.1	TF BT			FD	CH	PH	
							O	86.0 × 3.0 × 3.53	2F			ST	NT	NT	
34103	2FAC	LD23	Serena			4	T	87.0 × 2.0 × 3.45	BF			ST	CH	FE	12033-9C626
							2	87.0 × 2.0 × 3.6	TF SP			FC	CH	PH	
							O	87.0 × 3.0 × 3.4	2F			ST	NT	NT	
34065	3FAC	VG30	Cedric PY30 Fairlady Gloria		2,960	6	T	87.0 × 1.5 × 3.1	BF			ST	CH	PH	12033-02P10
							2	87.0 × 1.5 × 3.8	TF			FC	CH	PH	12033-03P00
							O	87.0 × 2.8 × 2.95	3F			ST	CH	PH	12033-03P10 12033-21P10
34189	3FAC	VG30-2	Caraban PY31,KE24,WHYD21,JPY32, Z32,PY32,CZ32		2,960	6	T	87.0 × 1.5 × 3.15	BF			ST	NT	NT	12033-17V00
							2	87.0 × 1.5 × 3.7	TF			FC	CH	PH	12033-17V01
							O	87.0 × 2.8 × 2.9	3F			ST	NT	NT	
34181	3FAC	VG30-DE	Gloria Cedric		2,960	6	T	87.0 × 1.5 × 3.1	BF			ST	NT	NT	12033-F6500
							2	87.0 × 1.5 × 3.7	TF			FC	CH	PH	12033-F6510
							O	87.0 × 2.8 × 3.05	3F			ST	CH	PH	12033-F6511
34150	3FAC	VG30-I	Datsun Truck		2,960	6	T	87.0 × 2.0 × 3.0	BF			ST	NT	NT	12033-15G10
							2	87.0 × 1.5 × 3.7	TF			FC	CH	PH	12033-15V00
							O	87.0 × 2.8 × 2.9	3F			ST	NT	PH	12033-V8000
34050	3FAC	Z22 Z22S Z22E	Datsun Truck Cabster UW40		2,187	4	T	87.0 × 1.5 × 3.7	BF			FD	CH	PH	12033-06W10
							2	87.0 × 1.5 × 4.0	TF SP			FC	CH	PH	12033-06W20
							O	87.0 × 4.0 × 3.2	3F			ST	CH	FE	12033-D8500

TP No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape			Material	Surface Treatment		Reference
									①	②	③		Outside	Upper/Lower	
34017	3F	H20 H20P	Cedric (Y130)		1,982	4	T	87.2 × 2.0 × 4.05	BF	BT		FC	CH	PH	12033-14601
			130,V130,N230,VN230,				2	87.2 × 2.5 × 4.05	TF	SP		FC	PH	PH	12033-R9000
			AN230				O	87.2 × 4.0 × 4.05	3F			ST	CH	PH	12033-R9023
			Silvia(160S)CPS311												12033-Y4460
			Fairlady SP311												
			Bluebird R411												
			President150,250												
			Truck												
			C142,240,D641,660,DC142,												
			240												
34020	3F	H30	President,150,250		2,974	6	T	87.2 × 2.0 × 4.0	BF			FC	CH	PH	12033-66001
			Cedric(300C),Y130				2	87.2 × 2.5 × 4.0	TF			FC	PH	PH	
							O	87.2 × 4.0 × 3.65	3F			ST	CH	FE	
34030	3F	G20	Laurel(200L)		1,990	4	T	89.0 × 2.0 × 4.3	BF			FC	CH	PH	12033-E6620
			PC30,130,KPC30,130				2	89.0 × 2.0 × 4.3	TF			FC	PH	PH	12033-E6800
							O	89.0 × 4.0 × 3.65	3F			ST	CH	PH	
34114	3F	KA24	Largo		2,388	4	T	89.0 × 1.5 × 3.25	BF			ST	CH	FE	12033-53F01
			MH11,W30				2	89.0 × 1.5 × 3.9	TF			FC	PH	PH	12033-70F00
							O	89.0 × 2.8 × 2.85	3F			ST	CH	PH	
34143	3F	KA24DE			2,488	4	T	89.0 × 1.2 × 3.3	BF	BT		ST	CH	FE	12033-5V110
							2	89.0 × 1.2 × 3.8	TF			FC	PH	PH	
							O	89.0 × 2.5 × 3.05	3F			ST	CH	PH	
34147	3F	KA24DE	Altima		2,388	4	T	89.0 × 1.2 × 3.3	BF	BT		ST	CH	FE	12033-9E000
							2	89.0 × 1.2 × 3.8	TF			FC	PH	PH	
							O	89.0 × 2.5 × 2.75	3F			ST	CH	PH	
34190	3F	QR20DE	Sentra			4	T	89.0 × 1.2 × 3.3	BF			ST	CH	FE	12033-AE003
			Altima				2	89.0 × 1.2 × 3.8	TF			FC	PH	PH	
							O	89.0 × 2.5 × 2.75	3F			ST	CH	PH	
34149	3F	QR25 QR25DE	Altima		2,488	4	T	89.0 × 1.2 × 3.15	BF	BT		ST	NT	NT	12033-8H301
							2	89.0 × 1.2 × 3.8	TF			FC	PH	PH	12033-9H500
							O	89.0 × 2.5 × 2.55	3F			ST	CH	PH	

TP No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape ① ② ③	Material	Surface Treatment Outside Upper/Lower	Reference
34064	2FAC	SD23 SD25	Altas NF22		2,289	4	T	89.0 × 2.5 × 3.7	BF	FD	CH PH	12033-L2000
			Cedric RY30		2,488		2	89.0 × 2.0 × 3.7	TF ST	FD	CH PH	12033-L2002
							O	89.0 × 4.5 × 4.2	2F	FC	CH PH	12033-L2003
												12033-L2004
34194	3FAC	TA3I				6	T	89.0 × 1.5 × 3.1	BF	ST	NT NT	12033-86G00
							2	89.0 × 1.5 × 3.9	TF	FC	CR PH	12033-86G01
							O	89.0 × 2.8 × 2.85	3F	ST	NT NT	
34105	2FAC	TD23	Datsun Truck		2,289	4	T	89.0 × 2.5 × 3.35	BF	ST	NT NT	12033-02N00
							2	89.0 × 2.0 × 3.7	TF ST	FC	CH PH	12033-02N10
							O	89.0 × 4.0 × 4.1	2F	ST	NT NT	12033-02N11
34182	2FAC	YD25			2,500	4	T	89.0 × 2.0 × 3.0	HK BF	ST	NT NT	12033-VK520
							2	89.0 × 2.0 × 3.5	TF ST	FC	CH PH	
							O	89.0 × 3.0 × 3.55	2F	ST	NT NT	
34206	2FAC	YD25-2	Navara		2,500	4	T	89.0 × 2.0 × 3.0	HK BF	ST	NT NT	12033-EB70A
							2	89.0 × 2.0 × 3.4	TF ST	FC	PH PH	12033-EB30B
							O	89.0 × 3.0 × 3.55	2F	ST	NT NT	
34134	2F	YD25TI	Frontier Navara		2,500	4	T	89.0 × 2.0 × 2.95	HK BF	ST	NT NT	12033-VK510
							2	89.0 × 2.0 × 3.4	TF ST	FC	PH PH	
							O	89.0 × 3.0 × 3.55	2F	ST	NT NT	
34070	3FAC	Z24	Datsun Truck		2,400	4	T	89.0 × 1.5 × 3.7	BF	FD	CH PH	12033-10W00
							2	89.0 × 1.5 × 3.9	TF SP	FC	CH PH	12033-30W10
							O	89.0 × 4.0 × 3.55	3F	ST	CH PH	
34077	3FAC	Z24-2	URVAN		2,400	4	T	89.0 × 2.0 × 3.15	BF BT	ST	NT NT	12033-13G10
			Datsun Truck				2	89.0 × 1.5 × 3.9	TF SP	FC	CH PH	12033-83W00
							O	89.0 × 4.0 × 3.25	3F	ST	CH PH	
34132	3F	VG33	Terrano		3,274	6	T	91.5 × 1.5 × 3.25	BF	ST	CH FE	12033-0W000
			Elgrand				2	91.5 × 1.5 × 4.0	TF	FC	PH PH	12033-0W010
							O	91.5 × 2.8 × 2.85	3F	ST	CH PH	
34078	2FAC	TD25 AD-4	Datsun Truck		2,494	4	T	92.9 × 2.5 × 3.55	BF	ST	NT NT	12033-44G10
							2	92.9 × 2.0 × 4.0	TF ST	FC	CH PH	
							O	92.9 × 4.0 × 3.95	2F	ST	NT NT	
34095	2FAC	TD25-2	Datsun Truck		2,494	4	T	92.9 × 2.5 × 3.55	BF	ST	NT NT	12033-5T115
							2	92.9 × 2.0 × 4.0	TF ST	FC	CH PH	
							O	92.9 × 3.0 × 3.8	2F	ST	NT NT	
34135	2FAC	TD25T1				4	T	92.9 × 2.5 × 3.55	HK BF	ST	NT NT	12033-3S910
							2	92.9 × 2.0 × 4.0	TF ST	FC	CH PH	
							O	92.9 × 3.0 × 3.8	2F	ST	NT NT	
34091	3FAC	VQ30DE	Cedric		3,000	6	T	93.0 × 1.2 × 3.3	BF BT	ST	NT NT	12033-47U01
							2	93.0 × 1.2 × 4.0	TF	FC	CH PH	
							O	93.0 × 2.5 × 2.85	3F	ST	NT PH	
34130	3F	VQ35				6	T	95.5 × 1.2 × 3.45	BF	ST	CH FE	12033-4W005
							2	95.5 × 1.2 × 4.0	TF	FC	PH PH	
							O	95.5 × 2.5 × 2.5	3F	ST	CH PH	

TP No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape			Material	Surface Treatment		Reference
									①	②	③		Outside	Upper/Lower	
34196	3F	VQ35DE	MURANO			6	T	95.5 × 1.2 × 3.45	BF			ST	CH	FE	12033-8J100
							2	95.5 × 1.2 × 4.0	TF			FC	PH	PH	
							O	95.5 × 2.5 × 2.65	3F			ST	CH	PH	
34116	2FAC	BD30	Cedric		2,953	4	T	96.0 × 2.5 × 3.55	BF			ST	NT	NT	12033-54T10
							2	96.0 × 2.0 × 4.0	TF	ST		FC	CH	PH	
							O	96.0 × 4.0 × 3.95	2F			ST	NT	NT	
34087	3F	TB42 TB42E	Safari		4,169	6	T	96.0 × 2.0 × 3.35	BF			ST	NT	NT	12033-03J00
							2	96.0 × 2.0 × 4.2	TF			FC	CH	PH	
							O	96.0 × 4.0 × 3.3	3F			ST	NT	PH	
34075	2FAC	TD27 AD-2	Caraban,Hormy		2,700	4	T	96.0 × 2.5 × 3.55	BF			ST	NT	NT	12033-43G10
							2	96.0 × 2.0 × 4.0	TF	ST		FC	CH	PH	12033-43G11
							O	96.0 × 4.0 × 3.95	2F			ST	NT	NT	
34096	2FAC	TD27-2 AD-2	Datsun Truck		2,700	4	T	96.0 × 2.5 × 3.55	BF			ST	NT	NT	12033-6T010
			Caraban				2	96.0 × 2.0 × 4.0	TF	ST		FC	CH	PH	
							O	96.0 × 3.0 × 3.8	2F			ST	NT	NT	
34158	2FAC	TD27-3	Terrano,Patrol		2,700	4	T	96.0 × 2.5 × 3.75	HK BF			ST	NT	NT	12033-VK610
							2	96.0 × 2.0 × 4.0	TF	ST		FC	CH	PH	12033-OW81A
							O	96.0 × 3.0 × 3.9	2F			ST	NT	NT	
34159	2F	TD27-4	Terrano,Patrol			4	T	96.0 × 2.5 × 3.75	HK BF			ST	NT	NT	12033-DB010
							2	96.0 × 2.0 × 4.0	TF			FC	PH	PH	
							O	96.0 × 2.0 × 2.75	2F			ST	NT	NT	
34092	2FAC	TD27T AD27T	Datsun Truck		2,700	4	T	96.0 × 2.5 × 3.75	HK BF			ST	NT	NT	12033-37N10
			Caraban				2	96.0 × 2.0 × 4.0	TF	ST		FC	CH	PH	
							O	96.0 × 4.0 × 3.95	2F			ST	NT	NT	
34098	2FAC	TD42 AD3	Datsun Jeep		4,169	6	T	96.0 × 2.5 × 3.55	BF			ST	NT	NT	12033-06J10
			Safari,Civilian				2	96.0 × 2.0 × 4.0	TF	ST		FC	CH	PH	12033-06J11
							O	96.0 × 4.0 × 3.95	2F			ST	NT	NT	
34102	2FAC	TD42T	Datsun,Jeep		4,169	6	T	96.0 × 2.5 × 3.75	HK BF			ST	NT	NT	12033-05D01
							2	96.0 × 2.0 × 4.0	TF	ST		FC	CH	PH	
							O	96.0 × 4.0 × 3.95	2F			ST	NT	NT	
34160	2FAC	TD42T-2	Safari,Civilian			6	T	96.0 × 2.5 × 3.55	HK BF			ST	NT	NT	12033-DY712
							2	96.0 × 2.0 × 4.0	TF	ST		FC	CH	PH	
							O	96.0 × 3.0 × 3.15	2F			ST	NT	NT	
34164	2FAC	ZD30				4	T	96.0 × 2.0 × 3.0	BF			ST	NT	NT	12033-VW211
							2	96.0 × 1.2 × 3.0	TF	BT		FD	CH	PH	
							O	96.0 × 2.0 × 2.75	2F			ST	NT	NT	
34166	2F	ZD30T				4	T	96.0 × 2.5 × 3.7	HK BF			ST	NT	NT	12033-VK610
							2	96.0 × 2.0 × 3.9	TF	BT		FC	PH	PH	
							O	96.0 × 2.0 × 2.75	2F			ST	NT	NT	
34137	2FAC	ZD30T ZD30ET BD30T			2,953	4	T	96.0 × 2.5 × 3.75	HK BF			ST	NT	NT	12033-0W813
							2	96.0 × 2.0 × 4.0	TF	ST		FC	CH	PH	12033-0W814
							O	96.0 × 3.0 × 3.15	2F			ST	NT	NT	12033-2W211
															12033-NA010

TP No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape			Material	Surface Treatment		Reference
									①	②	③		Outside	Upper/ Lower	
34609	2FAC	ED30	Truck		2,956	4	T	98.0 × 3.0 × 4.2	BF			FD	CH	PH	97011-02139
			DEYC240,DYC240,			2	98.0 × 2.0 × 4.2	TF ST			FC	CH	PH	12033-J2001	
			DYWT40,EYT40			3	98.0 × 2.0 × 4.2	TF SP			FD	CH	PH	12033-J2002	
			HYC240,JVYC240,Y40			O	98.0 × 4.5 × 4.5	2F			FC	CH	PH	12033-J2004	
			YC240,YWT40											12033-J2006	
			Bus												
			GHYC240,GYC240,												
			GYHT40,GYHWT40												
34136	2FAC	QD32				4	T	99.2 × 2.5 × 3.75	HK BF			ST	NT	NT	12033-1W411
				2	99.2 × 2.0 × 4.1	TF ST			FC	CH	PH				
				O	99.2 × 3.0 × 3.15	2F			ST	NT	NT				
34118	2FAC	QD32NA AD5	Frontier		3,200	4	T	99.2 × 2.5 × 3.75	BF			ST	NT	NT	12033-2S610
			Caraban			2	99.2 × 2.0 × 4.1	TF ST			FC	CH	PH		
			Dutsun Track			O	99.2 × 3.0 × 3.75	2F			ST	NT	NT		
34104	3FAC	TB45				6	T	99.5 × 2.0 × 3.55	BF			ST	NT	NT	12033-VB000
						2	99.5 × 1.5 × 4.1	TF			FC	CH	PH		
						O	99.5 × 4.0 × 2.95	3F			ST	NT	PH		
34145	3FAC	TB48DE TB480				6	T	99.5 × 2.0 × 3.55	BF			ST	NT	NT	12033-VC200
						2	99.5 × 1.5 × 4.1	TF			FC	CH	PH	12033-VB000	
						O	99.5 × 4.0 × 3.4	3F			ST	NT	PH		
34044	2FAC	ED33	Truck		3,298	4	T	100.0 × 3.0 × 4.2	BF			FD	CH	PH	12033-J6500
			BISON HMC341			2	100.0 × 2.0 × 4.2	TF ST			FC	CH	PH	12033-J6501	
			CIVIRIAN GHMC341			O	100.0 × 4.5 × 4.3	2F			FC	CH	PH	12033-T9000	
			CLIPPER HMC341										12033-Z5004		
			CLIPPER MC341												
34045	2FAC	FD-6 ED-6	Truck		5,654	6	T	100.0 × 3.0 × 4.2	BF			FD	CH	PH	12040-Z5005/cyl
			CK85,CM80,85,90			2	100.0 × 2.0 × 4.2	TF ST			FC	CH	PH	12040-Z5028	
			TK80			O	100.0 × 4.5 × 4.3	2F			FC	CH	PH		
			Bus												
			R80,RM80												
34610	2FAC	FD-6 ED-6	Truck		5,654	6	T	100.0 × 3.0 × 4.2	BF			FD	CH	PH	12040-Z5001/cyl
			CK85,CM80,85,90			2	100.0 × 2.0 × 4.2	TF ST			FC	CH	PH	12040-Z5025	
			TK80			3	100.0 × 2.0 × 4.2	TF			FC	CH	PH	12040-Z5026/cyl	
			Bus			O	100.0 × 4.5 × 4.3	2F			FC	CH	PH	12040-Z5027	
			R80,RM80												
34146	2FAC	FD6T	Truck Condor		5,654	6	T	100.0 × 3.0 × 4.0	HK BF			ST	CH	FE	12033-Z5502/cyl
						2	100.0 × 2.0 × 4.2	TF ST			FC	CH	PH	12040-Z5527	
						3	100.0 × 2.0 × 4.2	TF			FC	CH	PH		
						O	100.0 × 4.5 × 4.26	2F			ST	CH	FE		
34157	2FAC	FD6T-2				6	T	100.0 × 3.0 × 4.2	K BF			FD	CH	PH	12040-Z5525
						2	100.0 × 2.0 × 4.2	TF ST			FC	CH	PH	12040-Z5526	
						3	100.0 × 2.0 × 4.2	TF			FC	CH	PH	12040-Z5501/1cyl	
						O	100.0 × 4.5 × 4.5	2F			ST	CH	FE		

TP No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape			Material	Surface Treatment		Reference
									①	②	③		Outside	Upper/Lower	
34152	2FAC	FD6T(NEW)	Truck		5,654	6	T	100.0 × 3.0 × 4.0	HK	BF		ST	CH	FE	12033-Z5504/cyl
							2	100.0 × 2.0 × 4.2		TF	ST	FC	CH	PH	12040-Z5528
							O	100.0 × 4.5 × 4.26	2F			ST	CH	FE	
34205	2FAC	FD33				4	T	100.0 × 2.0 × 3.9		BF		FD	CH	PH	
							2	100.0 × 2.0 × 4.2		TF	ST	FC	CH	PH	
							O	100.0 × 4.0 × 3.7	2F			ST	NT	NT	
34192	2FAC	ED35	Datsun Truck		3,500	4	T	102.5 × 3.0 × 4.2		BF		FD	CH	PH	12033-56T10
							2	102.5 × 2.0 × 4.2		TF	ST	FC	CH	PH	
							O	102.5 × 4.0 × 4.25	2F			ST	CH	FE	
34094	2FAC	FD35	Condore		3,465	4	T	102.5 × 2.0 × 3.9		BF		FD	CH	PH	12033-01T10
							2	102.5 × 2.0 × 4.2		TF	ST	FC	CH	PH	
							O	102.5 × 4.0 × 4.25	2F			ST	CH	FE	
34093	2FAC	FD35T	Condore		3,465	4	T	102.5 × 3.0 × 4.2	HK	BF		FD	CH	PH	12033-01T60
							2	102.5 × 2.0 × 4.2		TF	ST	FC	CH	PH	
							O	102.5 × 4.0 × 4.25	2F			ST	CH	FE	
34193	2FAC	A500FET				6	T	108.0 × 2.5 × 3.65	HK	BF		ST	NT	NT	12040-Z5561/cyl
							2	108.0 × 2.0 × 4.5		TF	ST	FC	CH	PH	12040-Z5603/cyl
							O	108.0 × 4.0 × 3.6	2F			ST	NT	NT	
34120	2FAC	FD42	Condore			4	T	108.0 × 3.0 × 3.95		BF		ST	NT	NT	12033-0T011
							2	108.0 × 2.0 × 4.5		TF	ST	FC	CH	PH	
							O	108.0 × 4.0 × 3.6	2F			ST	NT	NT	
34121	2FAC	FD46T				4	T	108.0 × 2.5 × 3.65	HK	BF		ST	NT	NT	12033-31D03
							2	108.0 × 2.0 × 4.5		TF	ST	FC	CH	PH	
							O	108.0 × 3.0 × 3.6	2F			ST	NT	NT	
34100	2FAC	FE6	Truck MK210,CM89,CM87		7,000	6	T	108.0 × 3.0 × 3.95		BF		ST	NT	NT	12040-Z5504
							2	108.0 × 2.0 × 4.5		TF	ST	FC	CH	PH	12040-Z5511
							O	108.0 × 4.0 × 3.6	2F			ST	NT	NT	
34153	2FAC	FE6	Truck MK210,CM89,CM87		7,000	6	T	108.0 × 3.0 × 3.95		BF		ST	NT	NT	12040-Z5504
							2	108.0 × 2.0 × 4.5		TF	ST	FC	CH	PH	12040-Z5511
							O	108.0 × 4.0 × 3.6	2F			ST	NT	NT	
34101	2FAC	FE6T	Truck MK250		7,000	6	T	108.0 × 3.0 × 3.95	HK	BF		ST	NT	NT	12040-Z5505
							2	108.0 × 2.0 × 4.5		TF	ST	FC	CH	PH	12040-Z5512
							O	108.0 × 4.0 × 3.6	2F			ST	NT	NT	12040-Z5517
34125	2FAC	FE6T	Truck MK250		7,000	6	T	108.0 × 3.0 × 3.95	HK	BF		ST	NT	NT	12040-Z5505
							2	108.0 × 2.0 × 4.5		TF	ST	FC	CH	PH	12040-Z5512
							O	108.0 × 4.0 × 3.6	2F			ST	NT	NT	12040-Z5517
34126	2FAC	FE6TA	MK250		6,925	6	T	108.0 × 2.5 × 3.65	HK	BF		ST	NT	NT	12040-Z5519
							2	108.0 × 2.0 × 4.5		TF	ST	FC	CH	PH	12040-Z5560
							O	108.0 × 4.0 × 3.6	2F			ST	NT	NT	12040-Z5561 12040-Z5564 12040-Z5603
34201	2FAC	FE6T-2				6	T	108.0 × 2.5 × 3.35	HK	BF		ST	NT	NT	12040-Z5608
							2	108.0 × 2.0 × 3.25		TF	BT	FD	CH	PH	
							O	108.0 × 3.0 × 3.6	2F			ST	NT	NT	

TP No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape ① ② ③	Material	Surface Treatment Outside Upper/Lower	Reference
34500	2FAC	ND-6	Bus CK10,PRX102		6,842	6	T	110.0 × 4.0 × 4.4	BF	FD	CH PH	12040-90127
							2	110.0 × 3.0 × 4.4	TF	FC	CH PH	12040-95004
							O	110.0 × 5.0 × 4.8	2F	FC	CH PH	12040-95006
34115	2FAC	NE6	Truck		7,000	6	T	110.0 × 3.0 × 4.0	HK BF	ST	CH FE	12040-95012
							2	110.0 × 2.5 × 3.9	TF ST	FC	CH PH	12040-95013
							O	110.0 × 4.0 × 4.35	2F	ST	NT NT	12040-95014
												12040-95029
34009	2FT	UD-3	Truck,Bus		3,706	3	T	110.0 × 3.0 × 4.1	TF	FD	PH PH	12040-90008
			DU680,DUG680				2	110.0 × 3.0 × 4.1	TF	FD	PH PH	
			TUG680,UFG681				3	110.0 × 3.0 × 4.1	TF	FC	PH PH	
			JVR690,JNVR690				4	110.0 × 3.0 × 4.1	TF	FC	PH PH	
			NVR690				O	110.0 × 4.8 × 4.8	2F	FC	PH PH	
			U680,681,690,UG680				O	110.0 × 4.8 × 4.8	2F	FC	PH PH	
		UD-4	681,UR690		4,941	4						
			4R82,92,104									
			4RA82,94,104,110									
			R80,RX102,T80,TC80									
		UD-5	81,TE81		6,177	5						
			5R94,104,110									
			5RA94,104,110									
		UD-6	5TWDC10,5TWDC10L		7,413	6						
			6R110,6RA110,6TC80									
			6TW1Z,6TW12									
		UD-V8	6TWC13,6TWDC14		9,882	8						
			U8RA110									
1cyl/set		UD-V12	WD38		14,825	12						
34171	2FAC	NF				4	T	120.0 × 3.0 × 4.35	HK BF	ST	NT NT	12040-95501
							2	120.0 × 2.5 × 4.8	TF ST	FC	CH PH	
							O	120.0 × 4.0 × 4.4	2F	ST	NT NT	
34183	2FAC	MD92TCI	BigThumb		9,203	6	T	125.0 × 2.5 × 4.2	HK BF	ST	NT NT	12040-Z6002
							2	125.0 × 2.0 × 4.1	TF	ST	NT NT	12040-Z6004
							O	125.0 × 3.0 × 3.1	2F	ST	NT NT	
34501	2FAC	PD-6	Truck,Bus		10,308	6	T	125.0 × 5.0 × 5.2	BF	FC	CH PH	12040-90026
			CK20,TK20,CD40				2	125.0 × 3.5 × 5.2	TF	FC	CH PH	12040-90029
			CV40,PT81,CW40				O	125.0 × 5.0 × 5.4	2F	FD	CH PH	12040-96004
			U20,CB20,TFA21									12040-96026
												12040-96127
34154	2FAC	PD-6	Truck,Bus		10,308	6	T	125.0 × 5.0 × 5.2	BF	FC	CH PH	12040-90026
			CK20,TK20,CD40				2	125.0 × 3.5 × 5.2	TF	FC	CH PH	12040-90029
			CV40,PT81,CW40				O	125.0 × 5.0 × 5.4	2F	FD	CH PH	12040-96004
			U20,CB20,TFA21									12040-96026
												12040-96127
1cyl/set												12040-96226

TP No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape			Material	Surface Treatment		Reference
									①	②	③		Outside	Upper/Lower	
34048	2FAC	PD6T	Truck CW41		10,308	6	T	125.0 × 4.0 × 5.2	K	BF		FD	CH	PH	12040-90028
							2	125.0 × 3.5 × 5.2		TF		FC	CH	PH	12040-96005/cyl
							O	125.0 × 5.0 × 5.0	2F			FC	CH	PH	12040-96125
															12040-96129
34502	2FAC	PE-6	Truck, Bus CB30, RB30, CK30 CK31, CV31, CD32 V31, UA30, UA31		11,670	6	T	133.0 × 4.0 × 5.2	K	BF		FD	CH	PH	12040-90025
							2	133.0 × 3.5 × 5.4		TF		FC	CH	PH	12040-96028
							O	133.0 × 6.0 × 5.7	2F			FD	CH	PH	12040-96128
															12040-96531
34155	2FAC	PE-6	Truck, Bus CB30, RB30, CK30 CK31, CV31, CD32 V31, UA30, UA31		11,670	6	T	133.0 × 4.0 × 5.2	K	BF		FD	CH	PH	12040-90025
							2	133.0 × 3.5 × 5.4		TF		FC	CH	PH	12040-96028
							O	133.0 × 6.0 × 5.7	2F			FD	CH	PH	12040-96128
															12040-96531
34049	2FAC	PE-6T	Truck CD45		11,670	6	T	133.0 × 4.0 × 5.3	HK	BF		FD	CH	PH	12040-96225/cyl
							2	133.0 × 3.5 × 5.5		TF ST		FC	CH	PH	12040-96228
							O	133.0 × 6.0 × 5.9	2F			FC	CH	PH	12040-96504
															12040-96509 12040-96510 12040-96512 12040-96513
34088	2FAC	PE6T	CK20, TK20, CD40, CV40 CD45		12,000	6	T	133.0 × 3.0 × 4.95	HK	BF		ST	NT	NT	12040-96517
							2	133.0 × 2.5 × 5.4		TF ST		FC	CH	PH	
							O	133.0 × 4.0 × 4.4	2F			ST	NT	NT	
34161	2FAC	PE-6T	Truck CD45		11,670	6	T	133.0 × 4.0 × 5.3	HK	BF		FD	CH	PH	12040-96228
							2	133.0 × 3.5 × 5.5		TF ST		FC	CH	PH	12040-96504
							O	133.0 × 6.0 × 5.9	2F			FC	CH	PH	12040-96509
															12040-96510 12040-96512 12040-96513
34106	2FAC	PF6	Truck Bus		12,000	6	T	133.0 × 2.5 × 4.2	HK	BF		ST	NT	NT	12040-96564
							2	133.0 × 2.5 × 5.4		TF ST		FC	CH	PH	12040-96566
							O	133.0 × 4.0 × 4.4	2F			ST	NT	NT	12040-96570
34122	2FAC	PF6-2	Truck Bus		12,000	6	T	133.0 × 2.5 × 4.2	HK	BF		ST	NT	NT	12040-96564
							2	133.0 × 2.5 × 5.4		TF ST		FC	CH	PH	12040-96566
							O	133.0 × 4.0 × 4.4	2F			ST	NT	NT	12040-96570
34503	2FAC	RD-8	Diesel Truck, Bus CV50, CW51, CW52 CD52, WD18, WD151 TWA52, RA50 RA51		14,313	8	T	135.0 × 4.0 × 5.1		BF		FD	CH	PH	12040-97007/cyl
							2	135.0 × 3.0 × 5.5		TF ST		FC	CH	PH	12040-97008/cyl
							O	135.0 × 6.0 × 5.4	2F			FC	CH	PH	12040-90325
															12040-97025
															12040-97026
															12040-97028
															12040-97126
															12040-97226

TP No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape			Material	Surface Treatment		Reference
									①	②	③		Outside	Upper/Lower	
34151	2FAC	RD-8	Diesel Truck,Bus CV50,CW51,CW52 CD52,WD18,WD151 TWA52,RA50 RA51		14,313	8	T	135.0 × 4.0 × 5.1	BF			FD	CH	PH	12040-97007/cyl
							2	135.0 × 3.0 × 5.5	TF	ST		FC	CH	PH	12040-97008/cyl
							O	135.0 × 6.0 × 5.4	2F			FC	CH	PH	12040-90325
															12040-97025
															12040-97026
															12040-97028
															12040-97126
1cyl/set															12040-97226
34504	2FAC	RD-10	Truck,Bus CK60,CW60,CW61 WD23,WG30		17,892	10	T	135.0 × 4.0 × 5.1	BF			FD	CH	PH	12040-90229
							2	135.0 × 3.0 × 5.5	TF			FC	CH	PH	12040-97127
							O	135.0 × 6.0 × 5.7	2F			FC	CH	PH	12040-97227
34107	2FAC	RE8 A400 RE	Truck CW53,CD53,CW510		15,000	8	T	135.0 × 3.0 × 4.95	BF			ST	NT	NT	12040-97079
							2	135.0 × 3.0 × 5.5	TF	ST		FC	CH	PH	
							O	135.0 × 5.0 × 5.0	2F			ST	NT	NT	
34123	2FAC	RE8-2	Truck CW53,CD53,CW510		15,000	8	T	135.0 × 3.0 × 4.95	BF			ST	NT	NT	12040-97079
							2	135.0 × 3.0 × 5.5	TF	ST		FC	CH	PH	
							O	135.0 × 5.0 × 5.0	2F			ST	NT	NT	
1cyl/set															
34184	2FAC	GE13TD	Big Thumb		13,074	6	T	136.0 × 2.5 × 3.7	HK	BF		ST	NT	NT	12040-00Z07
							2	136.0 × 2.0 × 3.8	TF	BT		FD	CH	PH	
							O	136.0 × 3.0 × 3.65	2F			ST	NT	NT	
1cyl/set															
34174	2FAC	A790 RF8T			16,991	8	T	138.0 × 2.5 × 4.1	HK	BF		ST	NT	NT	12040-ND000
							2	138.0 × 2.0 × 4.1	TF			ST	NT	NT	
							O	138.0 × 4.0 × 4.05	2F			ST	NT	NT	
1cyl/set															
34073	2FAC	RF8	CD520		16,991	8	T	138.0 × 2.5 × 4.95	BF			ST	NT	NT	12040-97072
							2	138.0 × 2.5 × 5.6	TF	ST		FC	CH	PH	12040-97104
							O	138.0 × 4.0 × 4.05	2F			ST	NT	NT	
34124	2FAC	RF8-2	CD520		16,991	8	T	138.0 × 2.5 × 4.95	BF			ST	NT	NT	12040-97072
							2	138.0 × 2.5 × 5.6	TF	ST		FC	CH	PH	12040-97104
							O	138.0 × 4.0 × 4.05	2F			ST	NT	NT	
1cyl/set															
34108	2FAC	RF8T RFT			16,991	8	T	138.0 × 3.0 × 4.95	HK	BF		ST	NT	NT	12040-97101
							2	138.0 × 2.5 × 5.6	TF	ST		FC	CH	PH	
							O	138.0 × 4.0 × 4.05	2F			ST	NT	NT	
34204	2FAC	RF8T-2			16,991	8	T	138.0 × 3.0 × 4.95	HK	BF		ST	NT	NT	12040-97101
							2	138.0 × 2.5 × 5.6	TF	ST		FC	CH	PH	
							O	138.0 × 4.0 × 4.05	2F			ST	NT	NT	
1cyl/set															
34175	2FAC	A790 RG			17,990	8	T	142.0 × 2.5 × 4.1	BF			ST	NT	NT	12040-ND001
							2	142.0 × 2.0 × 4.1	TF			ST	NT	NT	
							O	142.0 × 4.0 × 4.75	2F			ST	NT	NT	
1cyl/set															
34109	2FAC	RG8	Truck CW530		17,990	8	T	142.0 × 3.0 × 4.95	BF			ST	NT	NT	12040-97103
							2	142.0 × 2.5 × 5.8	TF	ST		FC	CH	PH	
							O	142.0 × 4.0 × 4.75	2F			ST	NT	NT	
34156	2FAC	RG8	Truck CW530		17,990	8	T	142.0 × 3.0 × 4.95	BF			ST	NT	NT	12040-97103
							2	142.0 × 2.5 × 5.8	TF	ST		FC	CH	PH	
							O	142.0 × 4.0 × 4.75	2F			ST	NT	NT	
1cyl/set															

TPR CO.,LTD.

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TP No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape ① ② ③	Material	Surface Treatment Outside Upper/Lower	Reference
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SUZUKI

35574	ACX	L50			360	2	T	61.0 × 2.0 × 2.2	HK BF	FD	CH PH	12140-67810/cyl
							2	61.0 × 2.0 × 2.2	BF	FD	CH PH	12140-67811/cyl
							3	61.0 × 2.0 × 2.2	BF	FD	CH PH	
35569	AC	T5A	Fronte FXST20,20,30,AL10		539	3	T	61.0 × 1.2 × 2.6	HK BF	ST	CH FE	12140-67011/cyl
		ST20	Celvo,Jimny 4WD				2	61.0 × 2.0 × 2.5	HK BF	FC	CH PH	12140-63871/cyl
		T5B	Carry Truck, Van									12140-68811/cyl
		LJ50	SH10,SJ10,LJ50,SS20,SS30									
35579	ACX	Y30				3	T	61.0 × 1.2 × 2.6	HK	ST	CH FE	12140-72811/cyl
							2	61.0 × 2.0 × 2.5	HK	FC	CH PH	
35572	3F	F5A	Fronte FS,SS40		543	3	T	62.0 × 1.5 × 2.55	BF	ST	CH FE	12140-73000/cyl
							2	62.0 × 1.5 × 2.8	TF	FC	PH PH	12140-73010/cyl
							O	62.0 × 2.8 × 2.85	3F	ST	CH PH	
35573	3F	F8A	Jimny8 4WD		797	4	T	62.0 × 1.5 × 2.55	BF	ST	CH FE	12140-73000/cyl
			Carry Truck, Van				2	62.0 × 1.5 × 2.8	TF	FC	PH PH	12140-73010/cyl
			SJ20,ST90,LJ80				O	62.0 × 2.8 × 2.85	3F	ST	CH PH	
			LJ81,ST30,Fronte,Alut									
35582	3F	F6A	Celvo		660	3	T	65.0 × 1.2 × 2.3	BF BT	ST	CH FE	12140-51E50/cyl
			Alut Van				2	65.0 × 1.5 × 2.7	TF SP	FC	PH PH	
							O	65.0 × 2.5 × 2.5	3F	ST	CH PH	
35621	3F	F6A-N			660	3	T	65.0 × 1.0 × 2.25	BF	ST	CH FE	12140-51F10
							2	65.0 × 1.2 × 2.6	TF	FC	PH PH	
							O	65.0 × 2.0 × 2.5	3F	ST	NT PH	
35620	3F	F6A-T			660	3	T	65.0 × 1.2 × 2.3	BF BT	ST	CH FE	12140-50E50
							2	65.0 × 1.2 × 2.6	TF	FC	PH PH	
							O	65.0 × 2.5 × 2.55	3F	ST	CH PH	
35619	3F	Y7AT7			660	3	T	65.0 × 1.2 × 2.3	BF BT	ST	CH FE	12140-73D00
							2	65.0 × 1.5 × 2.7	TF	FC	PH PH	
							O	65.0 × 2.5 × 2.3	3F	ST	NT PH	
35576	3F	F10A	Jimny Y80,84		970	4	T	65.5 × 1.5 × 2.6	BF	ST	CH FE	12140-75110/cyl
			SJ410,ST100				2	65.5 × 1.5 × 2.7	TF	FC	PH PH	12140-75111/cyl
							O	65.5 × 2.8 × 3.0	3F	ST	CH PH	
35618	3F	K6A			660	3	T	68.0 × 1.0 × 2.6	BF	ST	CH FE	12140-73601
							2	68.0 × 1.2 × 2.7	TF	FC	PH PH	
							O	68.0 × 2.0 × 2.45	3F	ST	CH PH	
35622	3F	K6A K10A				3	T	68.0 × 1.0 × 2.6	BF	ST	CH FE	12140-73G01
							2	68.0 × 1.2 × 2.7	TF	FC	PH PH	
							O	68.0 × 2.0 × 2.45	3F	ST	CH PH	
35630	3F	K6A	Wagon R			4	T	68.0 × 1.0 × 2.6	BF BT	ST	CH FE	
							2	68.0 × 1.2 × 2.7	TF	FC	PH PH	
							O	68.0 × 2.0 × 2.45	3F	ST	CH PH	

TP No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape			Material	Surface Treatment		Reference
									①	②	③		Outside	Upper/ Lower	
35570	AC	L60			550	2	T	68.0 × 1.2 × 2.6	HK	BF	ST	CH	FE	12140-67820/cyl	
							2	68.0 × 2.0 × 2.5	HK	BF	FC	CH	PH		
35586	3F	SS80	Alto800		797	3	T	68.5 × 1.5 × 2.6		BF	ST	CH	FE	12140-78411/cyl	
			Fronte800				2	68.5 × 1.5 × 2.8		TF	FC	PH	PH		
			Y64,65,ST308				O	68.5 × 2.8 × 3.0	3F	ST	CH	PH			
			Maruti800												
35636	3F	SS80	Alto800		797	3	T	68.5 × 1.5 × 2.6		BF	ST	CH	FE	12140-78410	
			Fronte800				2	68.5 × 1.5 × 2.8		TF	FC	PH	PH		
			Y64,65,ST308				O	68.5 × 2.8 × 3.0	3F	ST	CH	PH			
			Maruti800												
1cyl/set															
35626	3F	K12A	Swift			4	T	71.0 × 1.0 × 2.3		BF	BT	ST	NT	NT	12140-75F30-000
			2				71.0 × 1.2 × 2.8		TF	SP	FC	PH	PH		
			O				71.0 × 2.0 × 2.5	3F	ST	NT	NT				
35628	3FAC	G10				4	T	72.0 × 1.2 × 2.75		BF	ST	NT	NT	12140-72F00	
			2				72.0 × 1.5 × 3.1		TF	ST	FE	FE			
			O				72.0 × 2.8 × 2.8	3F	ST	NT	PH				
35639	3F	K10B	Cultus 1.0			3	T	73.0 × 1.0 × 2.3		BF	BT	ST	NT	NT	12140-79P50-000
			Wagon R New				2	73.0 × 1.2 × 2.3		TF	SP	ST	FE	FE	12141-58M50-000
							O	73.0 × 2.0 × 2.25	3F	ST	NT	PH			
35638	3F	YL8	Ertiga 1.4			4	T	73.0 × 1.0 × 2.3		BF	BT	ST	NT	NT	12141-58M50-000
							2	73.0 × 1.2 × 2.3		TF	SP	ST	FE	FE	
							O	73.0 × 2.0 × 2.25	3F	ST	NT	PH			
35580	3F	G10	Cultus		993	3	T	74.0 × 1.2 × 2.8		BF	BT	ST	CH	FE	12140-82050/cyl
		G13A	1,290		4	2	74.0 × 1.5 × 3.2		TF	BT	FC	PH	PH	12140-82051/cyl	
						O	74.0 × 2.8 × 2.85	3F	ST	CH	PH				
1cyl/set															
35614	3F	G10				4	T	74.0 × 1.2 × 2.7		BF	BT	ST	NT	NT	12140-82X50
		G13A	2				74.0 × 1.5 × 3.2		TF	BT	FC	PH	PH		
			O				74.0 × 2.8 × 2.85	3F	ST	CH	PH				
35584	3F	G10	Cultus(3cyls/set)		993	3	T	74.0 × 1.2 × 2.8		BF	BT	ST	CH	FE	12140-82050/cyl
			2				74.0 × 1.5 × 3.2		TF	BT	FC	PH	PH		
			O				74.0 × 2.8 × 2.85	3F	ST	CH	PH				
35587	3F	G13A	Cultus(4cyls/set)Y2A, SJ413		1,290	4	T	74.0 × 1.2 × 2.8		BF	BT	ST	CH	FE	12140-82051/cyl
			2				74.0 × 1.5 × 3.2		TF	BT	FC	PH	PH		
			O				74.0 × 2.8 × 2.85	3F	ST	CH	PH				
35598	3F	SR413	Swift(3cyls/set)			3	T	74.0 × 1.2 × 2.7		BF	BT	ST	NT	NT	12140-63E50
			2				74.0 × 1.2 × 3.1		TF	SP	FC	PH	PH		
			O				74.0 × 2.5 × 2.8	3F	ST	CH	PH				
35616	3F	SR413	Swift(4cyls/set)			4	T	74.0 × 1.2 × 2.7		BF	BT	ST	NT	NT	12140-63E50
			2				74.0 × 1.2 × 3.1		TF	SP	FC	PH	PH		
			O				74.0 × 2.5 × 2.8	3F	ST	CH	PH				
35592	3F	E12				4	T	75.0 × 1.2 × 2.75		BF	BT	ST	NT	NT	12140-61G50/cyl
		G16U	2				75.0 × 1.2 × 3.2		TF	SP	FC	PH	PH		
			O				75.0 × 2.5 × 2.7	3F	ST	NT	PH				

TP No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape			Material	Surface Treatment		Reference
									①	②	③		Outside	Upper/Lower	
35615	3F	G15A				4	T	75.0 × 1.2 × 2.75	BF	BT		ST	NT	NT	12140-61J00
							2	75.0 × 1.2 × 3.2	TF	SP		FC	PH	PH	
							O	75.0 × 2.5 × 2.4	3F			ST	NT	PH	
35583	3F	G16A	Escudo		1,600	4	T	75.0 × 1.2 × 2.75	BF	BT		ST	NT	NT	12140-60A50/cyl
							2	75.0 × 1.5 × 3.2	TF	SP		FC	PH	PH	
							O	75.0 × 2.8 × 2.95	3F			ST	NT	PH	
35625	3F	69G M13A	Wagon R, Jimny			4	T	78.0 × 1.2 × 2.75	BF	BT		ST	NT	NT	12140-69G02
							2	78.0 × 1.5 × 3.1	TF	SP		FC	PH	PH	
							O	78.0 × 2.8 × 2.65	3F			ST	NT	PH	
35610	3F	FAO	Escudo		2,000	4	T	78.0 × 1.2 × 2.75	BF	BT		ST	NT	NT	12140-85FA0
							2	78.0 × 1.5 × 3.3	TF	SP		FC	CH	PH	
							O	78.0 × 2.5 × 2.75	3F			ST	NT	PH	
35633	3F	H20A	Escudo		2,000	6	T	78.0 × 1.2 × 2.75	BF	BT		ST	NT	NT	
							2	78.0 × 1.5 × 3.3	TF	SP		FC	CH	PH	
							O	78.0 × 2.5 × 2.75	3F			ST	NT	PH	
35611	3F	LOW				4	T	78.0 × 1.2 × 2.75	BF	BT		ST	NT	NT	12140-54GA0
							2	78.0 × 1.2 × 3.0	TF	SP		FC	PH	PH	
							O	78.0 × 2.5 × 2.3	3F			ST	NT	PH	
35634	3FAC	H25A				6	T	84.0 × 1.2 × 2.75	BF	BT		ST	NT	NT	12140-86FA0
							2	84.0 × 1.5 × 3.5	TF	SP		FC	CH	PH	
							O	84.0 × 2.5 × 2.75	3F			ST	NT	PH	
35617	3FAC	J20A	GRAN VITARA			4	T	84.0 × 1.2 × 2.75	BF	BT		ST	NT	NT	12140-77E00
							2	84.0 × 1.5 × 3.5	TF	SP		FC	CH	PH	
							O	84.0 × 2.5 × 2.75	3F			ST	NT	PH	
35635	3F	J20A-2	SX4/ESCUDE 06-			4	T	84.0 × 1.2 × 2.5	BF	BT		ST	NT	NT	12140-65J00
							2	84.0 × 1.2 × 3.1	TF	SP		ST	FE	FE	
							O	84.0 × 2.5 × 2.5	3F			ST	CH	PH	
35627	3F	H27	Escudo			6	T	88.0 × 1.2 × 3.3	BF	BT		ST	NT	NT	12140-52D00
							2	88.0 × 1.5 × 3.3	TF	SP		FC	PH	PH	
							O	88.0 × 2.8 × 2.65	3F			ST	NT	NT	
35637	3F	A6B42	KIZASHI, ESCUDE			4	T	92.0 × 1.2 × 3.1	BF	BT		ST	NT	NT	12140-78K00
							2	92.0 × 1.0 × 3.1	TF	SP		ST	FE	FE	
							O	92.0 × 2.0 × 2.5	3F			ST	NT	PH	

TP No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape	Material	Surface Treatment Outside Upper/Lower	Reference
									① ② ③			
TOYOTA												
35991	3F	1SZ-FE	Vitz		1,000	4	T	69.0 × 1.2 × 2.3	BF	ST	NT NT	13011-23040
							2	69.0 × 1.2 × 2.7	TF SP	FC	PH PH	13011-23041
							O	69.0 × 2.0 × 2.25	3F	ST	NT NT	13011-23051
35878	3F	1E 1E-L	Starlet FWD		1,000	4	T	70.5 × 1.5 × 2.75	BF BT	ST	NT NT	13011-10070
							2	70.5 × 1.5 × 3.0	TF	FC	PH PH	13011-10080
							O	70.5 × 3.0 × 2.85	3F	ST	NT NT	13011-10081
35823	3F	2K	Publica 100		993	4	T	72.0 × 2.0 × 3.4	BF	FC	CH PH	13011-12010
			PK30,36,36V,40,45,95				2	72.0 × 2.0 × 3.4	TF	FC	PH PH	13011-12030
			Starlet 1000				O	72.0 × 4.0 × 3.25	3F	ST	CH PH	13011-12031
36019	3F	2SZ-FE	Vitz, Ractis, BELTA		1,296	4	T	72.0 × 1.2 × 2.3	BF	ST	NT NT	13011-23060
							2	72.0 × 1.2 × 2.6	TF SP	FC	PH PH	
							O	72.0 × 2.0 × 2.25	3F	ST	NT NT	
36032	3F	3NR	Etios Liva		1,197	4	T	72.5 × 1.0 × 2.5	BF BT	ST	CH FE	04130-47010
							2	72.5 × 1.0 × 2.3	TF SP	ST	FE FE	
							O	72.5 × 2.0 × 2.45	3F	ST	CH PH	
36006	2FAC	1ND	Pro Box			4	T	73.0 × 1.5 × 2.55	BF	ST	NT NT	13011-33041
							2	73.0 × 1.5 × 2.6	TF	FC	CH PH	
							O	73.0 × 3.0 × 3.4	2F	ST	NT NT	
35879	3F	2E-U 2E-C	Corolla 1300EE80		1,295	4	T	73.0 × 1.5 × 2.7	BF	ST	CH FE	13011-11040
			Corona 1300				2	73.0 × 1.5 × 3.1	TF SP	FC	PH PH	13011-11041
			Starlet 1300FWD				O	73.0 × 3.0 × 2.55	3F	ST	CH PH	13011-11060
												13011-11061
35919	3F	2E-2			1,295	4	T	73.0 × 1.5 × 2.7	BF	ST	CH FE	13011-11064
							2	73.0 × 1.5 × 3.1	TF SP	FC	PH PH	
							O	73.0 × 3.0 × 2.55	3F	ST	CH PH	
35883	3F	3E	Corolla		1,300	4	T	73.0 × 1.5 × 2.7	BF	ST	CH FE	13011-11080
			R-EE106V				2	73.0 × 1.5 × 3.1	TF SP	FC	PH PH	13011-11090
							O	73.0 × 3.0 × 2.55	3F	ST	CH PH	
35954	3F	4E,5E	Corolla		1,300	4	T	74.0 × 1.2 × 2.8	BF	ST	CH FE	13011-11122
			Starlet				2	74.0 × 1.2 × 3.1	TF SP	FC	PH PH	13011-11140
			Vios				O	74.0 × 3.0 × 2.6	3F	ST	CH PH	13011-11160
35884	3F	1N-T 1N	Corolla,Tercel		1,453	4	T	74.0 × 1.5 × 2.75	HK BF BB	ST	NT NT	13011-55010
			Starlet,Corsa				2	74.0 × 1.5 × 3.3	TF	FC	CH PH	13011-55011
							O	74.0 × 3.0 × 2.8	3F	ST	CH PH	

TP No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape			Material	Surface Treatment		Reference
									①	②	③		Outside	Upper/Lower	
35815	3F	3K K	Publica 1000,KE10		1,077	4	T	75.0 × 2.0 × 3.6	TF			FC	CH	PH	13011-22011
			Starlet 1200		1,166		2	75.0 × 2.0 × 3.6	TF			FC	PH	PH	13011-24010
			Sprinter 1200				O	75.0 × 4.0 × 3.2	3F			ST	CH	PH	13011-24011
			Corolla 1200												13011-24012
			DAIHATSU												13011-24020
			Charmant 1200												13011-24030
			DAIHATSU Charmant 1300												
35863	3F	4K 4K-V(EC)	Corolla		1,290	4	T	75.0 × 1.5 × 3.1	BF			ST	CH	FE	13011-13010
			Sprinter				2	75.0 × 1.5 × 3.4	TF			FC	PH	PH	13011-13060
			Starlet				O	75.0 × 4.0 × 3.05	3F			ST	NT	NT	
35896	3F	4K-C	Corolla		1,290	4	T	75.0 × 2.0 × 3.1	BF			ST	NT	NT	13011-13030
			Sprinter				2	75.0 × 2.0 × 3.6	TF			FC	PH	PH	
			Starlet				O	75.0 × 4.0 × 3.2	3F			ST	CH	PH	
35816	3F	M 2M	Crown 2000		1,988	6	T	75.0 × 2.0 × 3.6	TF			FC	CH	PH	13011-41015
			MS41,46,50,52,56,60				2	75.0 × 2.0 × 3.6	TF			FC	PH	PH	13011-41040
			70,Corona Mark II U2000				O	75.0 × 4.0 × 3.15	3F			ST	CH	PH	
			Celica XX 2000												
35858	3F	1G 1G-E 1G-G 1G-G2	Chaser		1,988	6	T	75.0 × 1.5 × 3.1	BF			ST	CH	FE	13011-70010
			Cresta 2000				2	75.0 × 1.5 × 3.4	TF			FC	PH	PH	
			Mark II 200,Crown				O	75.0 × 4.0 × 3.05	3F			ST	NT	NT	
			Soarer 2000GX50,51												
			Celica												
36003	3F	1G-E	Chaser		1,988	6	T	75.0 × 1.5 × 2.9	BF			ST	NT	NT	13011-70030
			Cresta 2000				2	75.0 × 1.5 × 3.4	TF			FC	PH	PH	
			Mark II 200,Crown				O	75.0 × 4.0 × 3.2	3F			ST	CH	PH	
			Soarer 2000GX50,51												
36035	3F	1G-FE	Crown		1,998	6	T	75.0 × 1.2 × 2.5	BF			ST	NT	NT	13011-70110
			Mark II				2	75.0 × 1.2 × 2.8	TF	SP		FC	PH	PH	
			Chaser				O	75.0 × 3.0 × 2.55	3F			ST	CH	PH	
			Cresta												
35981	3FAC	1GX 1G-GE	Crown		2,000	6	T	75.0 × 1.2 × 3.3	BF			ST	NT	NT	13011-70051
			Mark II				2	75.0 × 1.5 × 3.3	TF	SP		FC	CH	PH	
			Cresta				O	75.0 × 4.0 × 2.9	3F			ST	NT	PH	
36046	3F	1NZ-FE-2				4	T	75.0 × 1.0 × 2.3	BF	BT		ST	NT	NT	13011-21091
							2	75.0 × 1.2 × 2.8	TF	SP		FC	PH	PH	
							O	75.0 × 2.0 × 2.5	3F			ST	NT	NT	
35973	2F	1NZ-FXE	Prius		1,496	4	T	75.0 × 1.2 × 2.5	BF			ST	NT	NT	13011-21030
			Funcargo				2	75.0 × 1.2 × 2.8	TF	SP		FC	PH	PH	13011-21070
			Pro box				O	75.0 × 2.0 × 2.75	2F			ST	NT	NT	
35974	3F	2NZ-FE	Vitz		1,298	4	T	75.0 × 1.2 × 2.5	BF			ST	NT	NT	13011-21050
			Funcargo				2	75.0 × 1.2 × 2.8	TF	SP		FC	PH	PH	13011-21041
							O	75.0 × 2.0 × 2.5	3F			ST	NT	NT	

TP No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape			Material	Surface Treatment		Reference
									①	②	③		Outside	Upper/Lower	
35975	3FAC	2NZ-FE-2	Vitz, Yaris Funcargo		1,298	4	T	75.0 × 1.2 × 2.5	BF			ST	NT	NT	13011-21060
							2	75.0 × 1.2 × 2.5	TF SP			ST	NT	NT	
							O	75.0 × 3.0 × 2.5	3F			ST	NT	PH	
35857	3F	2A	Tercel 1300 Corsa 1300AL11		1,295	4	T	76.0 × 2.0 × 3.7	BF			FC	CH	CH	13011-14010
							2	76.0 × 2.0 × 3.7	TF			FC	PH	PH	13011-14020
							O	76.0 × 4.0 × 3.15	3F			ST	CH	PH	13011-14021
35822	3F	3P 4P	Corona Van1350,PT47V VF Toyo-Ace PK32,32B Hi-Ace PH10,10B,10D,10P 10SV,10V		1,345	4	T	76.6 × 2.0 × 3.5	TF			FC	CH	PH	13011-23010
							2	76.6 × 2.0 × 3.5	TF			FC	PH	PH	13011-23030
							O	76.6 × 4.0 × 3.65	3F			ST	CH	PH	
35854	3F	1A 3A	Corolla 1500 Corona 1500 Sprinter 1500AE70 Tercel 1500 Corsa 1500AL12		1,452	4	T	77.5 × 1.5 × 3.3	BF			FD	CH	PH	13011-15010
							2	77.5 × 1.5 × 3.4	TF			FC	PH	PH	13011-15011
							O	77.5 × 2.8 × 2.75	3F			ST	CH	PH	13011-15020
															13011-15021
															13011-15031
35811	3F	2R	Corona PT56,RT40,46V,50 Hi-Lux ARN10,10D Toyo-Ace PK41,41P,41V Stout PK43,47,47P,47V Bus PH15B		1,490	4	T	78.0 × 2.0 × 3.7	TF			FC	CH	PH	13011-31010
							2	78.0 × 2.5 × 3.6	TF SP			FC	PH	PH	13011-31030
							O	78.0 × 4.0 × 3.65	3F			ST	CH	PH	13011-31040
35894	3F	5A	Corolla, Sprinter		1,498	4	T	78.7 × 1.5 × 2.8	BF			ST	CH	PH	13011-15050
							2	78.7 × 1.5 × 3.4	TF			FC	PH	PH	
							O	78.7 × 3.0 × 2.8	3F			ST	CH	PH	
35920	3F	5A-F	Corolla		1,500	4	T	78.7 × 1.2 × 3.1	BF			ST	CH	PH	13011-15120
							2	78.7 × 1.5 × 3.4	TF			FC	PH	PH	13011-15100
							O	78.7 × 3.0 × 2.8	3F			ST	CH	PH	
35939	3F	8A	New Charade			4	T	78.7 × 1.2 × 2.7	BF			ST	NT	NT	13011-15130
							2	78.7 × 1.5 × 3.0	TF			FC	PH	PH	
							O	78.7 × 3.0 × 2.65	3F			ST	NT	NT	
35950	3F	1,3,4ZZ ZZ-FE FZZ-FE	Vista Welcab,MR-S Corolla		1,794	4	T	79.0 × 1.2 × 2.7	BF			ST	NT	NT	13011-22030
							2	79.0 × 1.2 × 3.2	TF SP			FC	PH	PH	13011-22040
							O	79.0 × 3.0 × 2.6	3F			ST	NT	NT	13011-22100
															13011-22111
															13011-22200
															13011-22220
															13011-22221
															13011-22230
36021	3F	TZZ-FE				4	T	79.0 × 1.2 × 2.8	BF			ST	CH	FE	13011-22140
							2	79.0 × 1.2 × 3.2	TF SP			FC	PH	PH	
							O	79.0 × 3.0 × 2.55	3F			ST	CH	PH	

TP No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape			Material	Surface Treatment		Reference
									①	②	③		Outside	Upper/ Lower	
35824	3F	T	Celica 1400		1,407	4	T	80.0 × 2.0 × 3.9	BF			FC	CH	PH	13011-25010
			Cerina 1400Deluxe				2	80.0 × 2.0 × 3.9	TF				PH	PH	13011-25020
			Corolla 1400				O	80.0 × 4.0 × 3.7	3F				CH	PH	13011-25032
			Sprinter 1400										13011-25041		
			TE20,30,35,45												
35864	3F	T-J	Corolla		1,407	4	T	80.0 × 1.5 × 3.8	BF			FC	CH	CH	13011-25033
		T-U	Starlet				2	80.0 × 2.0 × 3.9	TF				PH	PH	13011-25042
		DAIHATSU Charmant		O			80.0 × 4.0 × 3.65	3F			CH		PH		
35832	3F	4M	Crown 2600,MS65,75		2,563	6	T	80.0 × 2.0 × 3.9	BF			FC	CH	PH	13011-45021
			83,85,95				2	80.0 × 2.0 × 3.9	TF				PH	PH	13011-45040
			Mark II 2600				O	80.0 × 4.0 × 3.65	3F				CH	PH	
			Cressida 2600MX43												
36036	2F	1,2,3ZR				4	T	80.5 × 1.0 × 2.75	BF BT			ST	CH	FE	13011-37090
			2	80.5 × 1.0 × 2.5			TF SP			FE	FE		13011-37140		
			O	80.5 × 1.5 × 2.05			2F			PV	FE		13011-37160		
35830	3F	12R	Corona1600		1,587	4	T	80.5 × 2.0 × 3.9	BF			FC	CH	PH	13011-31050
			Corona Van				2	80.5 × 2.0 × 3.9	TF				PH	PH	13011-31051
			Hi-Lux				O	80.5 × 4.0 × 3.65	3F				CH	PH	13011-31060
			Hi-Ace										13011-31061		
			Toyo-Ace										13011-31070		
			TaftF20										13011-31081		
								13011-31090							
35907	3FACBC	12R	Corona1600		1,587	4	T	80.5 × 2.0 × 3.9	BF			FC	CH	CH	13011-31051
			Corona Van				2	80.5 × 2.0 × 3.9	TF				CH	PH	13011-31060
			Hi-Lux				O	80.5 × 4.0 × 3.65	3F				CH	FE	13011-31061
			Hi-Ace										13011-31070		
			Toyo-Ace										13011-31081		
			TaftF20										13011-31090		
35861	3F	1S-U	Camry,Carina		1,832	4	T	80.5 × 1.5 × 3.25	BF			ST	CH	FE	13011-63010
		1S-L	Celica,Chaser				2	80.5 × 1.5 × 3.65	TF				PH	PH	13011-63011
		5K	Corona,Corolla				O	80.5 × 4.0 × 3.15	3F				NT	PH	13011-63020
			Vista										13011-63030		
			Lite-Ace, Van Truck										13011-63031		
													13011-13040		
													13011-13050		
													13011-13080		
							13011-13090								
35922	3F	7K	Lite-Ace Truck		1,781	4	T	80.5 × 1.5 × 3.25	BF			ST	CH	FE	13011-13100
			DAIHATSU Delta Van				2	80.5 × 1.5 × 3.65	TF				PH	PH	13011-13110
							O	80.5 × 4.0 × 2.95	3F				NT	PH	13011-13120
35876	3F	4A	CorollaEA82		1,587	4	T	81.0 × 1.5 × 2.75	BF			ST	NT	PH	13011-16010
		4A-G	Sprinter				2	81.0 × 1.5 × 3.4	TF				PH	PH	13011-16011
		4A-L					O	81.0 × 2.8 × 2.9	3F				NT	NT	13011-16031
		4A-C											13011-16032		

TP No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape			Material	Surface Treatment		Reference
									①	②	③		Outside	Upper/Lower	
35908	3F	4AF	Corolla		1,600	4	T	81.0 × 1.5 × 2.75	TF	3F		ST	PH	PH	13011-16130
							2	81.0 × 1.5 × 3.4					FC	PH	13011-16140
							O	81.0 × 3.0 × 2.85					ST	NT	13011-16150
35913	3F	4AFE	Corolla		1,600	4	T	81.0 × 1.2 × 2.8	BF	3F		ST	CH	PH	13011-16280
							2	81.0 × 1.5 × 3.4					FC	PH	13011-16290
							O	81.0 × 3.0 × 2.85					ST	NT	13011-16300
															13011-16340
35951	3F	4AGEU	Corolla,AT190,AE101		1,600	4	T	81.0 × 1.5 × 2.75	BF	3F		ST	PH	PH	13011-16050
							2	81.0 × 1.5 × 3.4					FC	PH	13011-16090
							O	81.0 × 2.8 × 2.9					ST	NT	13011-16180
35910	3F	4AGE	Corolla Sprinter		1,587	4	T	81.0 × 1.2 × 2.8	BF	3F		ST	CH	PH	13011-16200
							2	81.0 × 1.5 × 3.4					FC	PH	13011-16210
							O	81.0 × 2.8 × 2.9					ST	NT	13011-16190
35976	3F	4AG	Corolla		1,587	4	T	81.0 × 1.2 × 2.8	BF	3F		ST	CH	PH	13011-16350
							2	81.0 × 1.5 × 3.4					FC	PH	
							O	81.0 × 3.0 × 2.85					ST	NT	
35989	3F	N4AG	Corolla		1,600	4	T	81.0 × 1.2 × 3.25	BF BT	3F		ST	CH	FE	13011-16230
							2	81.0 × 1.5 × 3.4					FC	PH	
							O	81.0 × 3.0 × 2.6					ST	CH	
35938	3F	7A-FE	Carina,Corona Premio		1,762	4	T	81.0 × 1.5 × 2.75	BF	3F		ST	PH	PH	13011-16320
							2	81.0 × 1.5 × 3.4					FC	PH	13011-16330
							O	81.0 × 3.0 × 2.85					ST	NT	13011-16300
36040	3F	2ZZ-GE	Corolla		1,796	4	T	82.0 × 1.2 × 2.9	BF	3F		ST	NT	NT	13011-88601
							2	82.0 × 1.2 × 3.1					ST	FE	
							O	82.0 × 3.0 × 2.55					ST	CH	
35977	2FAC	1CD				4	T	82.2 × 2.0 × 2.9	BF	2F		ST	CH	NT	13011-27030
							2	82.2 × 1.5 × 2.7					ST	NT	
							O	82.2 × 3.0 × 3.55					ST	NT	
35996	2FAC	1CDA	Corolla		2,000	4	T	82.2 × 2.0 × 2.7	BF	2F		ST	CH	FE	13011-27040
							2	82.2 × 1.5 × 2.7					ST	FE	
							O	82.2 × 3.0 × 3.55					ST	NT	
35917	3F	4S	Caldina Camry Vista		1,838	4	T	82.5 × 1.5 × 3.1	BF	3F		ST	CH	FE	13011-74110
							2	82.5 × 1.5 × 3.8					FC	PH	13011-74120
							O	82.5 × 4.0 × 2.9					ST	CH	13011-74121
35859	3F	5M 5M-E(U)	Crown2800,MS112 CelicaXX2800,MA56		2,759	6	T	83.0 × 2.0 × 3.5	BF	3F		FD	CH	PH	13011-43010
							2	83.0 × 2.0 × 3.9					FC	PH	13011-43030
							O	83.0 × 4.0 × 3.15					ST	CH	13011-43050
35860	3F	5M-GEU 5M-GE (ECE)	Celica2800GT Crown2800 Soarer2800GT		2,759	6	T	83.0 × 1.5 × 3.1	BF	3F		ST	NT	NT	13011-43050
							2	83.0 × 1.5 × 3.6					FC	PH	13011-43080
							O	83.0 × 4.0 × 3.15					ST	CH	13011-43050
35893	3F	7M	Crown,Soarer		2,954	6	T	83.0 × 1.5 × 3.1	BF	3F		ST	NT	NT	13011-42010
							2	83.0 × 1.5 × 3.6					FC	PH	13011-42020
							O	83.0 × 4.0 × 3.15					ST	CH	13011-42030
															13011-42040

TF No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape	Material	Surface Treatment		Reference
									① ② ③		Outside	Upper/ Lower	
35842	3F	4V	Century		3,376	8	T	83.0 × 2.0 × 3.1	BF	ST	NT	NT	13011-52010
							2	83.0 × 2.0 × 3.4	TF	FC	PH	PH	
							O	83.0 × 4.0 × 3.6	3F	ST	CH	PH	
35865	2FAC	1C 1C-T	Carina		1,839	4	T	83.0 × 2.0 × 3.3	HK BF	ST	CH		13011-64010
			Corolla				2	83.0 × 2.0 × 3.8	TF	FC	CH	PH	13011-64020
			Corona CT147				O	83.0 × 4.0 × 4.0	2F	ST	CH	FE	13011-64040
			Sprinter									13011-64070	
			Town-Ace CR26									13011-64080	
35900	3FAC	1C-A	Corolla		1,839	4	T	83.0 × 2.0 × 3.15	HK BF	ST	NT	NT	13011-64130
							2	83.0 × 2.0 × 3.6	TF	FC	CH	PH	13011-64220
							O	83.0 × 3.0 × 2.8	3F	ST	NT	PH	
35923	2FAC	1C-T	Corolla		1,839	4	T	83.0 × 2.0 × 3.3	HK BF	ST	NT	NT	13011-64070
							2	83.0 × 2.0 × 3.8	TF	FC	CH	PH	
							O	83.0 × 4.0 × 2.45	2F	ST	CH	FE	
35853	3F	21R 21R-U	Corona2000,RT133		1,972	4	T	84.0 × 1.5 × 3.1	BF	ST	CH	FE	13011-37030
			Mark II/Cressida				2	84.0 × 2.0 × 3.7	TF	FC	PH	PH	13011-37050
			Chaser,RX41				O	84.0 × 4.0 × 3.15	3F	ST	CH	PH	13011-37060
			Celica,RA45 Camry,RA56										
35880	3F	21R-2 21R-C 21R-V	Cressida RX70		1,972	4	T	84.0 × 1.5 × 3.1	BF	ST	CH	FE	13011-37070
							2	84.0 × 1.5 × 3.6	TF	FC	PH	PH	13011-37071
							O	84.0 × 4.0 × 3.15	3F	ST	CH	PH	
35866	3F	2S 2S-C	Camry SV11		1,995	4	T	84.0 × 1.5 × 3.1	BF	ST	CH	FE	13011-74010
			Vista				2	84.0 × 1.5 × 3.6	TF	FC	PH	PH	13011-74020
							O	84.0 × 4.0 × 3.15	3F	ST	CH	PH	13011-74030
												13011-74040 13011-74041	
35825	3F	2T 2T-G 3T 12T	Corona1600,A-TT10D,11D		1,588	4	T	85.0 × 2.0 × 4.0	BF	ST	NT	NT	13011-26020
			Celica TA22,27,A9TA23,28				2	85.0 × 2.0 × 4.0	TF	FC	PH	PH	13011-26040
			Carina TA19V				O	85.0 × 4.0 × 3.65	3F	ST	CH	PH	13011-26041
			Corolla 1600ST									13011-27020	
			TE21,27,41,47,A-TE31,37 41,47,H-TT106V,TT106V										
35958	3F	3T	Corolla			4	T	85.0 × 1.5 × 3.3	BF	ST	NT	NT	13011-28010
			Carina/camry/Celica				2	85.0 × 1.5 × 3.8	TF	FC	PH	PH	13011-28011
							O	85.0 × 4.0 × 3.2	3F	ST	CH	PH	13011-28012
													13011-28020
													13011-28030
													13011-28031
													13011-28070 13011-28071
36043	2FAC	1JZ-FSE	Mark II		2,491	6	T	86.0 × 1.2 × 2.9	BF	ST	NT	NT	13011-46070
			CROWN				2	86.0 × 1.2 × 3.1	TF SP	FC	PH	PH	
							O	86.0 × 2.0 × 2.75	2F	ST	NT	NT	

TP No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape			Material	Surface Treatment		Reference
									①	②	③		Outside	Upper/Lower	
36009	2FAC	1,2DZ				4	T	86.0 × 2.0 × 3.15	HK	BF		ST	NT	NT	13011-78202-71
							2	86.0 × 2.0 × 3.1		TF		ST	NT	NT	
							O	86.0 × 3.0 × 3.4	2F			ST	NT	NT	
35960	2F	1TR	Hiace Van		2,000	4	T	86.0 × 1.2 × 2.7		BF		ST	NT	NT	13011-75100
			Toyo Ace				2	86.0 × 1.2 × 3.1		TF SP		FC	PH	PH	13011-75120
							O	86.0 × 2.0 × 2.75	2F			ST	NT	NT	
35820	3F	6R	Corona		1,707	4	T	86.0 × 2.0 × 3.9		TF		FC	CH	PH	13011-33010
			RT60,61,70,71,76,77,84,94		1,591		2	86.0 × 2.5 × 3.9		TF SP		FC	PH	PH	13011-33020
			RT88V,RX10,20,26,RX16V		1,858		O	86.0 × 4.0 × 3.65	3F			ST	CH	PH	13011-33021
			Corona Mark II												13011-33022
			RT62H,62K,72H,72K,72S												13011-33030
35902	3F	3S	Corona		1,998	4	T	86.0 × 1.5 × 3.3		BF		ST	CH	FE	13011-74070
							2	86.0 × 1.5 × 3.8		TF		FC	PH	PH	13011-74072
							O	86.0 × 4.0 × 2.9	3F			ST	CH	PH	13011-74091 13011-74280
35885	3F	3SFE(C)	Vista,Caldina		1,998	4	T	86.0 × 1.5 × 3.35		BF		ST	NT	NT	13011-74080
			Carina,Corona				2	86.0 × 1.5 × 3.8		TF		FC	PH	PH	13011-74081
							O	86.0 × 4.0 × 2.9	3F			ST	NT	PH	
35942	3F	3S-F	Vista,Caldina		1,998	4	T	86.0 × 1.5 × 3.35		BF		ST	NT	NT	13011-74131
			Carina,Corona				2	86.0 × 1.5 × 3.8		TF		FC	PH	PH	
			Town Ace Lite Ace				O	86.0 × 4.0 × 2.9	3F			ST	NT	PH	
35984	3F	3S-FE	Vista,Camry		1,998	4	T	86.0 × 1.2 × 2.7		BF		ST	NT	NT	13011-74320
			Corona				2	86.0 × 1.2 × 3.1		TF SP		FC	PH	PH	13011-74340
							O	86.0 × 3.0 × 2.85	3F			ST	CH	PH	13011-74361
35962	2FAC	3S-FSE	Nadia		2,000	4	T	86.0 × 1.2 × 2.7		BF		ST	NT	NT	13011-74400
			Town Ace				2	86.0 × 1.2 × 3.4		TF		FC	CH	PH	
			Lite Ace				O	86.0 × 2.0 × 2.75	2F			ST	NT	NT	
35995	3F	3S-G			2,000	4	T	86.0 × 1.2 × 3.05		BF		ST	CH	PH	13011-88363
							2	86.0 × 1.5 × 3.6		TF SP		FC	PH	PH	13011-88380
							O	86.0 × 4.0 × 3.2	3F			ST	CH	PH	
35963	3F	1AZ	Rav4		2,000	4	T	86.0 × 1.2 × 2.7		BF		ST	NT	NT	13011-28120
			Corolla runx				2	86.0 × 1.2 × 3.1		TF SP		FC	PH	PH	13011-28121
							O	86.0 × 2.0 × 2.5	3F			ST	NT	NT	13011-28210 13011-28220
35997	2FAC	1AZ-D4	Premio,Allion,Caldina,Wish		2,000	4	T	86.0 × 1.2 × 2.9		BF		ST	NT	NT	13011-28110
			Avensis,Isis,Noah,Voxy				2	86.0 × 1.2 × 3.1		TF		FC	CH	PH	13011-28200
							O	86.0 × 2.0 × 2.75	2F			ST	NT	NT	
36030	3FAC	1AZ	Wish		1,998	4	T	86.0 × 1.2 × 2.9		BF		ST	NT	NT	13011-28130
							2	86.0 × 1.2 × 2.9		TF SP		ST	CH	FE	
							O	86.0 × 3.0 × 2.7	3F			ST	NT	NT	
35904	3F	1RZ	Hi-Ace		1,998	4	T	86.0 × 1.75 × 3.35		BF		ST	NT	NT	13011-75020
							2	86.0 × 1.5 × 3.6		TF		FD	CH	PH	13011-75010
							O	86.0 × 4.0 × 3.2	3F			ST	NT	PH	

TP No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape			Material	Surface Treatment		Reference
									①	②	③		Outside	Upper/Lower	
35869	3FAC	1Y	Hi-Lux YN50,55		1,626	4	T	86.0 × 1.5 × 3.5	BF			ST	CH	FE	13011-71010
		2Y	Dyna YU60,70,80		1,812		2	86.0 × 1.5 × 4.0	TF			FC	CH	PH	13011-71020
		3Y	Town Ace YR26		1,998		O	86.0 × 4.0 × 3.15	3F			ST	CH	PH	13011-71030
			Master Ace, YR20												13011-71031
			YM21												13011-71040
			Hi-Ace YH51,61												(13011-71033)
35930	3FAC	1Y(NEW)	Hi-Lux		1,626	4	T	86.0 × 1.5 × 3.35	BF			ST	NT	NT	13011-71033
		2Y	Town-Ace		1,998		2	86.0 × 1.5 × 4.0	TF			FC	CH	PH	
		3Y					O	86.0 × 4.0 × 3.2	3F			ST	NT	NT	
35946	3F	2JZ-GE	Crown, Progres,		2,997	6	T	86.0 × 1.5 × 3.35	BF			ST	NT	NT	13011-46040
		1JZ-GE	Aristo				2	86.0 × 1.5 × 3.8	TF			FC	PH	PH	13011-46041
			Supra				O	86.0 × 4.0 × 2.9	3F			ST	NT	PH	13011-46030
35964	2FAC	2JZ-D4	Crown		2,997	6	T	86.0 × 1.2 × 2.7	BF			ST	NT	NT	13011-46060
			Aristo				2	86.0 × 1.2 × 3.4	TF			FC	CH	PH	13011-46061
							O	86.0 × 2.0 × 2.75	2F			ST	NT	NT	
35877	3FAC	2C-T	Town Ace CR21		1,974	4	T	86.0 × 2.0 × 3.15	HK			ST	NT	NT	13011-64150
			DAIHATSU Delta				2	86.0 × 2.0 × 3.1				ST	NT	NT	13011-64060
							O	86.0 × 4.0 × 3.2				ST	NT	NT	13011-64150
35911	2FAC	2C-A	Corolla		1,974	4	T	86.0 × 1.75 × 2.95	HK BF			ST	NT	NT	13011-64170
			Master Ace				2	86.0 × 2.0 × 3.1	TF			ST	NT	NT	
			CE100, CT141, CV30, CHR11G				O	86.0 × 3.0 × 3.4	2F			ST	NT	NT	
35924	2FAC	2C-2	Corolla		1,974	4	T	86.0 × 2.0 × 3.15	HK BF			ST	NT	NT	13011-64190
			Master Ace				2	86.0 × 2.0 × 3.1	TF			ST	NT	NT	
							O	86.0 × 3.0 × 3.4	2F			ST	NT	NT	
35965	2FAC	2C-T-2	Carina, Estima		1,974	4	T	86.0 × 2.0 × 3.15	HK BF			ST	NT	NT	13011-64210
							2	86.0 × 2.0 × 3.1	TF			ST	NT	NT	
							O	86.0 × 3.0 × 3.4	2F			ST	NT	NT	
35912	2FAC	2.3C-T	Carina, Estima		2,000	4	T	86.0 × 2.0 × 3.15	HK BF			ST	NT	NT	13011-64212
			Emina				2	86.0 × 2.0 × 3.1	TF			ST	NT	NT	13011-64213
			Tamaraw FX				O	86.0 × 3.0 × 3.4	2F			ST	NT	NT	
35966	2FAC	3C-T	Town-Ace		2,200	4	T	86.0 × 2.0 × 3.51	HK BF			ST	NT	NT	13011-64230
			Lite-Ace				2	86.0 × 2.0 × 3.1	TF			ST	NT	NT	
							O	86.0 × 3.0 × 3.4	2F			ST	NT	NT	
35925	2FAC	1DZ	Estima		2,184	4	T	86.0 × 2.0 × 3.15	HK BF			ST	NT	NT	13011-78200-71
							2	86.0 × 2.0 × 3.6	HK TF BB			FD	CH	PH	
							O	86.0 × 4.0 × 3.4	2F			ST	NT	NT	
36016	2F	2AD				4	T	86.0 × 2.0 × 2.9	BF			ST	NT	NT	13011-26090
		AD					2	86.0 × 1.5 × 2.9	TF			ST	FE	FE	13011-26100
							O	86.0 × 2.0 × 2.75	2F			ST	NT	NT	13011-26110
35940	2FAC	2DZ	Estima		2,184	4	T	86.0 × 2.0 × 3.15	HK BF			ST	NT	NT	13011-78201-71
							2	86.0 × 2.0 × 3.7	TF			ST	NT	NT	
							O	86.0 × 4.0 × 4.25	2F			ST	NT	NT	

TF No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape			Material	Surface Treatment		Reference
									①	②	③		Outside	Upper/Lower	
36034	2F	1VD-FTV				8	T	86.0 × 2.0 × 2.9	BF		ST	NT	NT	13011-51030	
							2	86.0 × 1.5 × 2.9	TF		ST	FE	FE	13011-51031	
							O	86.0 × 2.0 × 2.75	2F		ST	NT	NT	13011-51032	
36000	3F	Y-P	Crown,Crown Comfort		2,000	4	T	86.0 × 1.5 × 3.1	BF		ST	NT	NT	13011-73071	
							2	86.0 × 1.5 × 3.6	TF SP		FC	CH	PH	13011-73071	
							O	86.0 × 4.0 × 2.9	3F		ST	NT	PH		
35988	3FAC	5S-FE	Camry Harrier		2,163	4	T	87.0 × 1.5 × 3.5	BF		ST	CH	FE	13011-74150	
							2	87.0 × 1.5 × 3.6	TF		FC	CH	PH	13011-74150	
							O	87.0 × 3.0 × 2.8	3F		ST	CH	PH		
35921	3FAC	5SFE2	Scepter,Camry Harrier		2,163	4	T	87.0 × 1.5 × 3.5	BF		ST	CH	FE	13011-74290	
							2	87.0 × 1.5 × 3.6	TF		FC	CH	PH	13011-74260	
							O	87.0 × 4.0 × 2.7	3F		ST	NT	PH	13011-74261	
35943	3FAC	5SFE2-2	Scepter,Camry, Harrier		2,163	4	T	87.0 × 1.5 × 3.35	BF		ST	NT	NT	13011-74300	
							2	87.0 × 1.5 × 3.6	TF		FC	CH	PH	13011-74300	
							O	87.0 × 4.0 × 2.7	3F		ST	NT	PH		
35944	3F	5SFE3	Scepter,Camry, Harrier		2,163	4	T	87.0 × 1.2 × 2.9	BF		ST	CH	FE	13011-74370	
							2	87.0 × 1.2 × 3.4	TF SP		FC	PH	PH	13011-74380	
							O	87.0 × 3.0 × 2.6	3F		ST	NT	NT	13011-74410	
35935	3F	1MZ-FE	Windom,Abaron		2,994	6	T	87.5 × 1.2 × 2.9	BF		ST	NT	NT	13011-20010	
							2	87.5 × 1.2 × 3.4	TF SP		FD	PH	PH	13011-20012	
							O	87.5 × 3.0 × 2.6	3F		ST	NT	NT	13011-20020	
36027	3F	1UZ	Celsior,Lexus		3,968	8	T	87.5 × 1.2 × 2.7	BF		ST	NT	NT	13011-50110	
							2	87.5 × 1.2 × 3.3	TF		FC	PH	PH	13011-50110	
							O	87.5 × 3.0 × 2.6	3F		ST	NT	NT		
35947	3F	1UZ-FE	Celsior,Crown Majesta		3,968	8	T	87.5 × 1.5 × 3.15	BF		ST	NT	NT	13011-50040	
							2	87.5 × 1.5 × 3.8	TF		FC	PH	PH	13011-50040	
							O	87.5 × 3.0 × 2.65	3F		ST	NT	NT		
35948	3FAC	1UZ-FE-2	Celsior,Crown Majesta		3,968	8	T	87.5 × 1.5 × 3.15	BF		ST	NT	NT	13011-50060	
							2	87.5 × 1.5 × 3.6	TF SP		FC	CH	PH	13011-50060	
							O	87.5 × 3.0 × 2.65	3F		ST	NT	PH		
36026	3F	2MZ	Windom		2,500	6	T	87.5 × 1.2 × 2.9	BF		ST	NT	NT	13011-20050	
							2	87.5 × 1.2 × 2.7	TF SP		ST	FE	FE	13011-20050	
							O	87.5 × 3.0 × 2.6	3F		ST	NT	NT		
35998	2FAC	3GR-D4	Crown,Mark X,Lexus GS		3,000	6	T	87.5 × 1.2 × 2.7	BF		ST	NT	NT	13011-31110	
							2	87.5 × 1.2 × 2.7	TF SP		ST	FE	FE	13011-31170	
							O	87.5 × 2.0 × 2.75	2F		ST	NT	NT		
36020	3F	3GR-FE	Crown, IS300, GS300		2,994	6	T	87.5 × 1.2 × 2.7	BF		ST	NT	MT	13011-31180	
							2	87.5 × 1.2 × 2.7	TF SP		ST	FE	FE	13011-31180	
							O	87.5 × 2.0 × 2.5	3F		ST	PV			
35934	3F	3VZ-FE	Hi-lux,VCV10		2,958	6	T	87.5 × 1.5 × 3.35	BF		ST	CH	NT	13011-62060	
							2	87.5 × 1.5 × 3.8	TF		FC	PH	PH	13011-65021	
							O	87.5 × 4.0 × 2.9	3F		ST	NT	NT		

TP No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape			Material	Surface Treatment		Reference
									①	②	③		Outside	Upper/Lower	
36031	3F	3VZ-FE	Camry		2,958	6	T	87.5 × 1.5 × 3.3	BF			ST	NT	NT	13011-62040
		4VZ-FE	Windom				2	87.5 × 1.5 × 3.8	TF			FC	PH	PH	13011-62080
							O	87.5 × 3.0 × 2.6	3F			ST	NT	NT	
35810	3F	5R	Crown RS50,50B		1,994	4	T	88.0 × 2.0 × 4.2	BF			FC	CH	PH	13011-44011
			Coaster				2	88.0 × 2.5 × 4.2	TF			FC	PH	PH	13011-44032
			Dyna				O	88.0 × 4.0 × 3.65	3F			ST	CH	PH	13011-44040
			RK171,171V-B												13011-44042
			176H,176V-HB												13011-44043
			Stout RK101,101K												13011-44060
			DAIHATSU Delta												13011-44061
			V30,31,34												13011-44062
															13011-44063
35905	3FAC	5R	Crown RS50,50B		1,994	4	T	88.0 × 2.0 × 4.2	BF			FC	CH	PH	13011-44011
			Coaster				2	88.0 × 2.5 × 4.2	TF			FC	CH	PH	13011-44032
			Dyna				O	88.0 × 4.0 × 3.65	3F			ST	CH	PH	13011-44040
			RK171,171V-B												13011-44042
			176H,176V-HB												13011-44043
			Stout RK101,101K												13011-44060
			DAIHATSU Delta												13011-44061
			V30,31,34												13011-44062
															13011-44063
35813	3PSBC	J	Dyna Diesel		2,336	4	T	88.0 × 2.5 × 3.8	BF			FC	CH	PH	13011-46021
		2J	JK170DH,171DH				2	88.0 × 2.5 × 3.8	TF			FC	CH	PH	
			175,176				3	88.0 × 2.5 × 3.8	TF	SP		FC	PH	PH	
			Dyna Bus JK170B,171B				O	88.0 × 4.0 × 3.8	2F			FC	PH	PH	
							O	88.0 × 4.0 × 3.8	1F			FC	PH		
35837	2F3PS	J	Dyna Diesel		2,481	4	T	88.0 × 2.5 × 3.8	HK	BF	BB	FD	CH	PH	13011-48013
		2J	Coaster Diesel				2	88.0 × 2.5 × 3.8	TF			FC	CH	PH	13011-48021
			Fork Lift				3	88.0 × 2.5 × 3.8	TF	SP		FC	PH	PH	
							O	88.0 × 4.0 × 4.0	2F			FC	CH	PH	
35838	2FAC	2J(NEW)	Dyna Diesel		2,841	4	T	88.0 × 2.54 × 3.8	HK	BF		FD	CH	PH	13011-48022
			Toyo-Ace Diesel				2	88.0 × 2.5 × 3.8	TF			FC	CH	PH	13011-48023
			JV10JY16,30				O	88.0 × 4.0 × 4.0	2F			ST	NT	NT	13011-48030
35827	3PSBC	H	Dyna Diesel		3,576	6	T	88.0 × 2.54 × 3.8	HK	BF	BB	FD	CH	PH	13011-47020
			HV15				2	88.0 × 2.5 × 3.8	TF			FC	CH	PH	
							3	88.0 × 2.5 × 3.8	TF	SP		FC	PH	PH	
							O	88.0 × 4.0 × 3.8	2F			FC	PH	PH	
							O	88.0 × 4.0 × 3.8	1F			FC	PH	PH	
35848	2F3PS	H	Dyna Diesel		3,576	6	T	88.0 × 2.54 × 3.8	HK	BF	BB	FD	CH	PH	13011-47021
			HU15-H				2	88.0 × 2.5 × 3.8	TF			FC	CH	PH	
							3	88.0 × 2.5 × 3.8	TF	SP		FC	PH	PH	
							O	88.0 × 4.0 × 4.0	2F			FC	CH	PH	

TP No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape			Material	Surface Treatment		Reference
									①	②	③		Outside	Upper/Lower	
35839	2FAC	H(NEW)	Dyna Diesel HU30		3,576	6	T	88.0 × 2.54 × 3.8	HK	BF	BB	FD	CH	PH	13011-47022
			Land Cruiser HJ45				2	88.0 × 2.5 × 3.8		TF		FC	CH	PH	13011-47023
							O	88.0 × 4.0 × 4.0	2F			FC	CH	PH	
35831	3F	18R	Corona		1,808	4	T	88.5 × 2.0 × 4.2		BF		FC	CH	PH	13011-38010
		16R	Corona Mark II		1,968		2	88.5 × 2.5 × 4.2		TF		FC	PH	PH	13011-38020
		20R	Cressida		2,189		O	88.5 × 4.0 × 3.65	3F			ST	CH	PH	13011-38040
		18R-G	Carina												13011-38060
		20R	Hi-Lux												13011-34012
		18R	Hi-Ace												13011-34013
			Celica2000GT,RA40												13011-34020
			Coaster RB11,12												13011-34022
															13011-34021
															13011-34030
															13011-34050
35849	2F3PS	20R	Coaster		1,968	4	T	88.5 × 2.0 × 4.2		BF		FC	CH	PH	13011-38030
		18R			2,189		2	88.5 × 2.5 × 4.2		TF		FC	PH	PH	
							O	88.5 × 4.0 × 4.0	2F			FC	CH	PH	
							O	88.5 × 4.0 × 4.0	1F			FC	CH	PH	
36042	2F	2AZ	RAV4		2,362	4	T	88.5 × 1.0 × 2.7		BF		ST	NT	NT	13011-28160
			MARK X				2	88.5 × 1.0 × 2.7		TF	SP	ST	FE	FE	13011-28161
			Velfire				O	88.5 × 2.0 × 2.75	2F			ST	NT	NT	13011-28190
															13011-0H040
															13011-0H041
35967	3F	2AZ-FE	Camry,Ipsam,Estima,Rav4		2,400	4	T	88.5 × 1.2 × 2.7		BF		ST	CH	FE	13011-28151
			Harrier,Kluger,Alphard				2	88.5 × 1.2 × 3.2		TF	SP	FC	PH	PH	13011-0H020
							O	88.5 × 2.0 × 2.5	3F			ST	NT	NT	13011-28101
															13011-28102
35806	3F	F	Truck		3,878	6	T	90.0 × 3.0 × 3.7		BF	BT	FC	CH	PH	13011-60011
			FA80,80D,90,90D,95,100				2	90.0 × 3.0 × 3.7		TF	SP	FC	PH	PH	13011-69021
			100D				O	90.0 × 4.0 × 3.65	3F			ST	CH	FE	
			110,110D,115,115C,FC100,100C				O	90.0 × 4.0 × 3.7	1F			FC	PH	PH	
			Land Cruiser												
35835	3F	F(NEW)	FJ40,40V,43,43V,45V,55V,2FQ10		3,878	6									
			Bus				T	90.0 × 2.0 × 4.0		BF		FC	CH	PH	13011-60040
			Land Cruiser				2	90.0 × 2.5 × 4.0		TF		FC	PH	PH	
							O	90.0 × 4.0 × 3.65	3F			ST	CH	FE	
							O	90.0 × 4.0 × 4.0	1F			FC	PH	PH	

TF No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape	Material	Surface Treatment		Reference
									① ② ③		Outside	Upper/Lower	
35850	2FAC	L	Crown Diesel LS110, 110G,117	2,188	4	T	90.0 × 2.5 × 3.55	BF	ST	NT	NT	13011-54010	
			2			90.0 × 2.0 × 3.9	TF	FC	CH	PH	13011-54020		
			O			90.0 × 4.0 × 4.2	2F	ST	NT	NT	13011-54021		
			Mark II/Cressida LX40										
			Hi-Ace Van,Truck										
			Hi-Lux LN40										
35862	2FAC	L(NEW)	Blizzard(Jeep)	2,188	4	T	90.0 × 2.0 × 3.35	HK BF	ST	NT	NT	13011-54030	
			2			90.0 × 2.0 × 3.9	TF	FC	CH	PH	13011-54031		
			O			90.0 × 4.0 × 4.2	2F	ST	NT	NT	13011-54032		
			Crown								13011-54040		
			Hi-Ace								13011-54041		
			Hi-Lux								13011-54042		
			Mark II								13011-54080		
			Toyo-Ace										
35887	3FAC	4Y	For Leaded	2,208	4	T	91.0 × 1.5 × 3.35	BF	ST	NT	NT	13011-73020	
			2			91.0 × 1.5 × 4.0	TF	FC	CH	PH	13011-73030		
			O			91.0 × 4.0 × 2.9	3F	ST	NT	PH	13011-73031		
											(13011-73032)		
35932	3FAC	4Y(NEW)	For Leaded	2,208	4	T	91.0 × 1.5 × 3.35	BF	ST	NT	NT	13011-73032	
			2			91.0 × 1.5 × 4.0	TF	FC	CH	PH			
			O			91.0 × 4.0 × 2.9	3F	ST	NT	PH			
35856	2FACBC	2H	Dyna Diesel	3,980	6	T	91.0 × 2.54 × 4.0	HK BF BB	FD	CH	PH	13011-96601	
			Land Cruiser				2	91.0 × 2.5 × 4.0	TF	FC	CH	PH	13011-68010
			Fork Lift				O	91.0 × 4.0 × 3.5	2F	FC	CH	PH	13011-68020
35886	2FAC	12H-T	Dyna Cruiser HJ61V	3,980	6	T	91.0 × 2.5 × 3.55	HK BF	ST	NT	NT	13011-68030	
			Bus Diesel				2	91.0 × 2.5 × 4.0	TF	FC	CH	PH	
			Coaster				O	91.0 × 4.0 × 3.5	2F	FC	CH	PH	
36050	2FAC	1GD 92	Hi-Lux Revo		4	T	92.0 × 2.0 × 2.85	HK BF	ST	PV	NT	13011-0E010	
			2			92.0 × 1.5 × 2.85	TF	ST	NT	NT			
			O			92.0 × 3.0 × 2.95	2F	ST	NT	NT			
35986	2FAC	2KD	Hi-Lux		4	T	92.0 × 2.0 × 2.9	BF BT	ST	NT	NT	13011-30030	
			2			92.0 × 1.5 × 2.85	TF	ST	NT	NT	13011-30031		
			O			92.0 × 3.0 × 3.15	2F	ST	NT	NT			
36049	2FAC	2KDFTV			4	T	92.0 × 2.0 × 2.9	HK BF	ST	NT	NT	13011-0L070	
			2			92.0 × 1.5 × 2.85	TF	ST	NT	NT			
			O			92.0 × 3.0 × 2.95	2F	ST	NT	NT			
35852	3FACBC	22R	Coaster	2,400	4	T	92.0 × 2.0 × 4.2	BF	FC	CH	PH	13011-35010	
		22R-A	Celica				2	92.0 × 2.5 × 4.2	TF	FC	CH	PH	13011-35020
		22R-B					O	92.0 × 4.0 × 3.15	3F	ST	CH	PH	13011-35030

TP No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape			Material	Surface Treatment		Reference
									①	②	③		Outside	Upper/Lower	
35881	3FAC	22R-2 22R-E	Coaster RB20		2,400	4	T	92.0 × 1.5 × 3.3	BF	TF	SP	ST	CH	FE	13011-35040
			Land Cruiser				2	92.0 × 1.5 × 4.0					CH	PH	13011-35050
							O	92.0 × 4.0 × 3.2					CH	PH	13011-35052
									3F						13011-35060
															13011-35061
															13011-35070
35933	3FAC	22R-3	Coaster RB20,		2,400	4	T	92.0 × 1.5 × 3.35	BF	TF	3F	ST	NT	NT	13011-35071
			Land Cruiser				2	92.0 × 1.5 × 4.0					CH	PH	
							O	92.0 × 4.0 × 3.2					NT	NT	
35945	3FAC	22R-4	Coaster RB20,		2,400	4	T	92.0 × 1.5 × 3.35	BF	TF	3F	ST	NT	NT	13011-35041
			Land Cruiser				2	92.0 × 1.5 × 4.0					CH	PH	
							O	92.0 × 4.0 × 3.2					NT	NT	
35867	2FAC	2L	Chaser		2,446	4	T	92.0 × 2.0 × 3.35	HK	BF		ST	NT	NT	13011-54050
			Crown				2	92.0 × 2.0 × 3.7					CH	FE	13011-54060
			Corona,Mark II				O	92.0 × 4.0 × 4.25	2F			ST	NT	NT	13011-54061
			Dyna												13011-54100
35899	2F	2L-T	Chaser			4	T	92.0 × 2.0 × 3.35	HK	BF		ST	NT	NT	13011-54090
			Crown				2	92.0 × 2.0 × 3.7					CH	FE	
			Corona,Mark II				O	92.0 × 4.0 × 4.25	2F			ST	NT	NT	
			Dyna												
35959	3F	5VZ-FE	Land Cruiser		3,378	6	T	93.5 × 1.5 × 3.55	BF	TF	3F	ST	NT	NT	13011-62100
			Hi-Ace				2	93.5 × 1.5 × 4.0					PH	PH	13011-62110
							O	93.5 × 4.0 × 2.9					NT	NT	13011-62120
35836	3F	2F	Truck		4,230	6	T	94.0 × 2.0 × 4.2	BF			FC	CH	PH	13011-61010
			FA100,101,115,FC22D				2	94.0 × 2.5 × 4.2					PH	PH	
			FJ55				O	94.0 × 4.0 × 3.65					CH	PH	
			Land Cruiser FJ40,45,55,60						3F			ST			
36028	3F	2UZ-FE	Land Cruiser		4,663	8	T	94.0 × 1.5 × 3.2	BF	TF	SP	ST	NT	NT	13011-50141
							2	94.0 × 1.5 × 4.0					PH	PH	
							O	94.0 × 4.0 × 2.7					NT	NT	
35882	3FAC	3F	Land Cruiser		4,000	6	T	94.0 × 1.5 × 3.5	BF	TF	3F	ST	CH	FE	13011-61060
							2	94.0 × 1.5 × 4.0					CH	PH	13011-61061
							O	94.0 × 4.0 × 3.25					NT	PH	
35914	3FAC	3F(NEW)	Land Cruiser		4,000	6	T	94.0 × 2.0 × 3.35	BF	TF	3F	ST	NT	NT	13011-61062
							2	94.0 × 2.0 × 4.0					CH	PH	
							O	94.0 × 4.0 × 3.5					NT	PH	
35968	3F	1GR-FE	Crown			6	T	94.0 × 1.2 × 3.25	BF	TF	SP	ST	CH	FE	13011-31100
			Mark II				2	94.0 × 1.2 × 3.4					PH	PH	
							O	94.0 × 2.0 × 2.7					NT	NT	
35898	2FAC	1HZ	Land Cruiser		4,200	6	T	94.0 × 2.0 × 3.55	HK	BF	BB	ST	NT	NT	13011-17010
							2	94.0 × 2.0 × 4.0					CH	PH	13011-17011
							O	94.0 × 4.0 × 4.33	2F			ST	NT	NT	13011-17020
															13011-17030

TP No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape ① ② ③	Material	Surface Treatment Outside Upper/Lower	Reference
35970	2FAC	1HD-FTE	Land Cruiser		4,200	6	T	94.0 × 2.0 × 3.3	BF	ST	CH NT	13011-17040
							2	94.0 × 1.5 × 3.3	TF SP	ST	NT NT	
							O	94.0 × 4.0 × 4.33	2F	ST	NT NT	
35949	2FAC	1PZ	Land Cruiser (90-94)		3,500	5	T	94.0 × 2.0 × 3.55	HK BF BB	ST	NT NT	13011-18030
							2	94.0 × 2.0 × 4.0	TF SP	FC	CH PH	
							O	94.0 × 4.0 × 4.35	2F	ST	NT NT	
36002	3F	2GR-FE	Harrier,Camry,Rav4,Avalon Lexus ES,RX		3,500	6	T	94.0 × 1.2 × 2.9	BF	ST	NT NT	13011-31130
							2	94.0 × 1.2 × 2.9	TF SP	ST	FE FE	13011-31150
							O	94.0 × 2.0 × 2.7	3F	ST	NT NT	
35952	3FAC	2,3RZ	Hi-Ace,Hi-Lux,Granvia		2,438	4	T	95.0 × 1.75 × 3.55	BF	ST	NT NT	13011-75030
							2	95.0 × 1.5 × 3.7	TF	FC	CH PH	13011-75060
							O	95.0 × 4.0 × 2.95	3F	ST	NT NT	
35961	2F	2TR-FE	Hi-Lux Surf,Hi Ace Land Cruiser Prado		2,700	4	T	95.0 × 1.2 × 2.9	BF	ST	NT NT	13011-75110
							2	95.0 × 1.2 × 3.4	TF SP	FC	PH PH	13011-75130
							O	95.0 × 2.0 × 2.75	2F	ST	NT	
35956	3F	2TZ-FE	Estima		2,438	4	T	95.0 × 1.75 × 3.65	BF	ST	CH FE	13011-76010
							2	95.0 × 1.5 × 3.8	TF	FC	PH PH	13011-76050
							O	95.0 × 4.0 × 3.15	3F	ST	NT PH	
36004	3FAC	3RZ-FE	Hilux, Granvia		2,693	4	T	95.0 × 1.5 × 3.55	BF	ST	NT NT	13011-75040
							2	95.0 × 1.5 × 3.4	TF SP	FC	CH PH	
							O	95.0 × 4.0 × 2.9	3F	ST	NT PH	
35834	2F3PS	B(OLD)	Dyna Diesel Coaster Diesel BB10,12,15,19		2,977	4	T	95.0 × 2.5 × 3.7	BF	ST	CH PH	13011-56010
							2	95.0 × 2.5 × 4.3	TF	FC	PH PH	
							3	95.0 × 2.5 × 4.3	TF SP	FC	PH PH	
							O	95.0 × 4.5 × 4.5	2F	ST	CH FE	
35847	2F3PS	B	Dyna Diesel HINO Ranger		2,977	4	T	95.0 × 2.5 × 3.55	HK BF	ST	NT NT	13011-56011
							2	95.0 × 2.5 × 4.3	TF	FC	CH PH	
							3	95.0 × 2.5 × 4.3	TF SP	FC	PH PH	
							O	95.0 × 4.5 × 4.5	2F	ST	CH FE	
35840	2FAC	B(NEW) BK	Dyna Diesel BU20,30 Land Cruiser BJ40,43 Coaster Diesel DAIHATSU Delta V10,11,17 Light Bus V12 HINO Ranger HV10D,12,17D		2,977	4	T	95.0 × 2.5 × 3.55	HK BF	ST	NT NT	13011-56012
							2	95.0 × 2.5 × 4.3	TF	FC	PH PH	13011-56013
							O	95.0 × 4.5 × 4.84	2F	ST	CH FE	13011-56021
												13011-56022
35889	2FAC	11B	DAIHATSU		2,977	4	T	95.0 × 2.5 × 3.7	BF	ST	CH PH	13011-56030
							2	95.0 × 2.5 × 4.3	TF	FC	PH PH	
							O	95.0 × 4.5 × 4.84	2F	ST	CH FE	
35901	2FAC	11B,B	Dyna Toyo-Ace		2,977	4	T	95.0 × 2.5 × 3.55	HK BF	ST	NT NT	13011-56040
							2	95.0 × 2.0 × 4.1	TF SP	FC	CH PH	
							O	95.0 × 4.0 × 4.26	2F	ST	NT NT	

TP No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape			Material	Surface Treatment		Reference
									①	②	③		Outside	Upper/Lower	
35971	2FAC	11B-2	Toyo-Ace Dyna		2,977	4	T	95.0 × 2.5 × 3.55	HK	BF		ST	NT	NT	13011-56050
							2	95.0 × 2.0 × 4.1		TF	SP	FC	CH	PH	
							O	95.0 × 4.0 × 4.26	2F			ST	NT	NT	
35892	2FAC	3L	Hi-Lux, Land Cruiser		2,779	4	T	96.0 × 2.0 × 3.55	HK	BF		ST	NT	NT	13011-54120
							2	96.0 × 2.0 × 4.1		TF		FC	CH	PH	
							O	96.0 × 4.0 × 4.36	2F			ST	NT	NT	
35987	2FAC	1KD	Hi-lux		2,982	4	T	96.0 × 2.0 × 3.35	HK	BF		ST	NT	NT	13011-30020
							2	96.0 × 1.5 × 3.25		TF		ST	NT	NT	13011-30022
							O	96.0 × 3.0 × 3.0	2F			ST	NT	NT	13011-30040
															13011-30050
35937	2FAC	1KZ	Hi-Ace, Land Cruiser Hi-lux Surf		2,982	4	T	96.0 × 2.0 × 3.3	HK	BF		ST	NT	NT	13011-67030
							2	96.0 × 2.0 × 2.3		TF	SP	ST	NT	NT	
							O	96.0 × 3.0 × 3.15	2F			ST	NT	NT	
35915	2FAC	1Z	Dyna		2,977	4	T	96.0 × 2.0 × 3.55		BF		ST	NT	NT	13011-78300-71
							2	96.0 × 2.0 × 4.4		TF		FC	CH	PH	
							O	96.0 × 4.0 × 4.0	2F			FC	CH	PH	
36048	2FAC	1Z 11Z	Fork Lift			4 6	T	96.0 × 2.0 × 3.55		BF		ST	NT	NT	13011-78300-71
							2	96.0 × 2.0 × 4.4		TF		FC	CH	PH	13011-78330-71
							O	96.0 × 4.0 × 4.0	2F			FC	CH	PH	
35851	2FACBC	2B	Land Cruiser BJ41,44 Coaster Diesel BB10,11		3,168	4	T	98.0 × 2.54 × 4.1	HK	BF	BB	FD	CH	CH	13011-57010
							2	98.0 × 2.5 × 4.3		TF		FC	CH	PH	
							O	98.0 × 4.5 × 4.4	2F			FC	CH	PH	
35928	2FAC	2Z				4	T	98.0 × 2.0 × 3.55		BF		ST	NT	NT	13011-78700-71
							2	98.0 × 2.0 × 4.2		TF		FC	CH	PH	
							O	98.0 × 4.0 × 4.4	2F			ST	NT	NT	
36010	2FAC	2Z-B				4	T	98.0 × 2.0 × 3.55		BF		ST	NT	NT	13011-78701-71
							2	98.0 × 2.0 × 3.5		TF		ST	NT	NT	
							O	98.0 × 4.0 × 4.4	2F			ST	NT	NT	
36047	2FAC	2Z-B 13Z,14Z	Fork Lift			4 6	T	98.0 × 2.0 × 3.55		BF		ST	NT	NT	13011-78701-71
							2	98.0 × 2.0 × 3.5		TF		ST	NT	NT	13011-78760-71
							O	98.0 × 4.0 × 4.4	2F			ST	NT	NT	13011-78761-71
36051	2FAC	3Z				4	T	98.0 × 2.0 × 3.55	HF	BF	BB	ST	NT	NT	13011-UD020
							2	98.0 × 2.0 × 3.5		TF		ST	NT	NT	13013-78C00-71
							O	98.0 × 4.0 × 4.4	2F			ST	NT	NT	13015-78C00-71
35929	2FAC	5L	Hi-Ace Van, Regius Van Hi-lux		2,985	4	T	99.5 × 2.0 × 3.55	HK	BF		ST	NT	NT	13011-54130
							2	99.5 × 1.5 × 3.3		TF	SP	ST	NT	NT	
							O	99.5 × 4.0 × 4.15	2F			ST	NT	NT	
35941	3FAC	1FZ	Land Cruiser, FZJ80G		4,476	6	T	100.0 × 1.75 × 3.75		BF	BT	ST	NT	NT	13011-66021
							2	100.0 × 2.0 × 3.8		TF	SP	FC	CH	PH	
							O	100.0 × 4.0 × 2.95	3F			ST	NT	PH	
36015	3FAC	1FZ-2	Land Cruiser 70.80 FZJ80G			6	T	100.0 × 2.0 × 3.55		BF		ST	NT	NT	13011-66020
							2	100.0 × 2.0 × 3.8		TF	SP	FC	CH	PH	
							O	100.0 × 4.0 × 3.1	3F			ST	NT	NT	

TP No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape			Material	Surface Treatment		Reference
									①	②	③		Outside	Upper/Lower	
35855	2FAC	3B	Dyna Coaster		3,431	4	T	102.0 × 2.54 × 3.75	HK	BF		ST	NT	NT	13011-58010
			Land Cruiser BJ60				2	102.0 × 2.5 × 4.3		TF		FC	CH	PH	
			DAIHATSU Delta				O	102.0 × 4.5 × 4.85	2F			ST	CH	FE	
			HINO Ranger HV48												
35909	2FAC	3BK	Dyna Coaster		3,431	4	T	102.0 × 2.5 × 3.75	HK	BF		ST	NT	NT	13011-58011
			Land Cruiser BJ60				2	102.0 × 2.5 × 4.3		TF		FC	CH	PH	
			DAIHATSU Delta				O	102.0 × 4.5 × 4.85	2F			ST	CH	FE	
			HINO Ranger HV48												
35890	2FAC	13B	Dyna BU62		3,400	4	T	102.0 × 2.5 × 4.1		BF		ST	CH	PH	13011-58030
			DAIHATSU Delta				2	102.0 × 2.5 × 4.3		TF		FC	CH	PH	
			V76,79				O	102.0 × 4.5 × 4.85	2F			ST	CH	FE	
35891	2FAC	13BT	Toyot-Ace BU85		3,431	4	T	102.0 × 2.5 × 3.75	HK	BF		ST	NT	NT	13011-58040
			Dyna BU95				2	102.0 × 2.5 × 4.3		TF		FC	CH	PH	
							O	102.0 × 4.5 × 4.85	2F			ST	CH	FE	
35895	2FAC	14B 3B	Dyna300		3,660	4	T	102.0 × 2.5 × 3.75	HK	BF		ST	NT	NT	13011-58050
							2	102.0 × 2.0 × 4.3		TF SP		FC	CH	PH	13011-58051
							O	102.0 × 4.0 × 4.25	2F			ST	NT	PH	
35903	2F	14B-T	Dyna 300		3,660	4	T	102.0 × 3.0 × 3.75	HK	BF		ST	NT	NT	13011-58060
							2	102.0 × 2.0 × 4.3		TF		FC	CH	PH	
							O	102.0 × 4.0 × 4.25	2F			ST	NT	NT	
35916	2FAC	14B(NEW)	Dyna 300		3,660	4	T	102.0 × 2.5 × 3.75	HK	BF		ST	NT	NT	13011-58070
							2	102.0 × 2.0 × 4.3		TF SP		FC	CH	PH	13011-58072
							O	102.0 × 4.0 × 4.35	2F			ST	NT	NT	
36029	2F	1W	Dyna		4,000	4	T	104.0 × 2.5 × 4.3		BF		FD	CH	PH	13011-78010
							2	104.0 × 2.0 × 4.3		TF		FC	PH	PH	S1304-E0251
							O	104.0 × 5.0 × 4.55	2F			ST	CH	FE	
35808	PS	2D(OLD)	Truck		6,494	6	T	105.0 × 3.0 × 4.2		TF		FC	CH	PH	13011-77010
			DA90,90D,95,110,110D				2	105.0 × 3.0 × 4.2		TF		FC	PH	PH	13011-77020
			115,115C,116				3	105.0 × 3.0 × 4.2		TF SP		FC	PH	PH	13011-77021
			Bus				O	105.0 × 5.0 × 4.2	1F			FC	CH	PH	13011-77022
			DB90,92,95,100				O	105.0 × 5.0 × 4.2	1F			FC	PH	PH	13011-77023
			100C,102,102C												
35846	2FBC	2D(NEW)	Truck		6,494	6	T	105.0 × 3.1 × 4.0	K	BF BB		FD	CH	CH	13011-77040
			PA110,115,116				2	105.0 × 2.5 × 4.3		TF ST		FC	PH	PH	13011-77041
			Bus				3	105.0 × 2.5 × 4.3		TF SP		FC	PH	PH	13011-77050
							O	105.0 × 5.0 × 4.6	2F			FC	CH	PH	
35926	2FAC	15B-F	Mega Cruiser		4,104	4	T	108.0 × 3.0 × 4.15	HK	BF		ST	PH	PH	13011-58090
							2	108.0 × 2.0 × 4.3		TF SP		FD	CH	PH	
							O	108.0 × 4.0 × 4.4	2F			ST	NT	NT	
35969	2FAC	15B-FTE	Mega Cruiser		4,100	4	T	108.0 × 3.0 × 4.1		BF		ST	NT	NT	13011-58110
			Toyot-Ace				2	108.0 × 2.0 × 3.9		TF SP		ST	NT	NT	
			Dyna				O	108.0 × 4.0 × 4.4	2F			ST	NT	NT	

TP No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape ① ② ③	Material	Surface Treatment Outside Upper/Lower	Reference
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DAEWOO

41008	3F	4EA	Matiz		800	3	T	68.5 × 1.2 × 2.65	BF BT	ST	CH FE	96325192
			Spark			4	2	68.5 × 1.2 × 2.8	TF	FC	PH PH	
							O	68.5 × 2.5 × 2.85	3F	ST	CH PH	
41002	3F	F8 YSE F6B 3EA	Tico		600	3	T	68.5 × 1.2 × 2.55	BF	ST	CH FE	12140-78B00-000
							2	68.5 × 1.5 × 2.8	TF	FC	PH PH	
							O	68.5 × 2.8 × 2.85	3F	ST	CH PH	
41012	3F	F8CV	Matiz		800	3	T	68.5 × 1.2 × 2.65	BF BT	ST	CH FE	96325192
							2	68.5 × 1.2 × 2.8	TF	FC	PH PH	
							O	68.5 × 2.5 × 2.85	3F	ST	CH PH	
41017	3F	F8CV-2	Matiz		800	4	T	68.5 × 1.2 × 2.65	BF BT	ST	CH FE	96325192
							2	68.5 × 1.2 × 2.8	TF	FC	PH PH	
							O	68.5 × 2.5 × 2.85	3F	ST	CH PH	
41001	3F	1.5L DOHC SOHC NP960	Lemans		1,500	4	T	76.48 × 1.5 × 3.05	BF	ST	CH FE	NP960
			Spagon				2	76.48 × 1.5 × 3.1	TF SP	FC	PH PH	NP1015
			Espero				O	76.48 × 3.0 × 2.85	3F	ST	CH PH	NP1016
			Lenos									
41010	3F	T200	KALOS			4	T	76.5 × 1.5 × 3.1	BF	ST	CH FE	93742961
			GENTRA				2	76.5 × 1.5 × 3.3	TF SP	FC	PH PH	
							O	76.5 × 2.0 × 2.85	3F	ST	CH PH	
41013	3F	AVEO-2	AVEO			4	T	77.9 × 1.2 × 2.9	BF	ST	CH FE	93740229
							2	77.9 × 1.5 × 3.2	TF SP	FC	PH PH	
							O	77.9 × 2.5 × 3.1	3F	ST	CH PH	
41011	3F	AVEO 1.6	AVEO			4	T	79.0 × 1.2 × 3.3	BF	ST	CH FE	93740225
			Lanos				2	79.0 × 1.5 × 3.2	TF	FC	PH PH	
							O	79.0 × 3.0 × 3.05	3F	ST	CH PH	
41018	3F	T18SED	Excele 1.8L		1,796	4	T	80.5 × 1.2 × 2.9	BF	ST	NT NT	93742700
							2	80.5 × 1.2 × 3.2	TF SP	FC	PH PH	
							O	80.5 × 2.0 × 2.9	3F	ST	CH PH	
41009	3F	OPTRA	LACETTI			4	T	81.6 × 1.2 × 3.1	BF	ST	NT NT	92067238
							2	81.6 × 1.5 × 3.4	TF SP	FD	PH PH	
							O	81.6 × 3.0 × 2.9	3F	ST	CH PH	
41015	3F	E-TEC	Nubira			4	T	81.6 × 1.5 × 3.3	BF	ST	NT NT	92062817
							2	81.6 × 1.5 × 3.3	TF SP	FC	PH PH	
							O	81.6 × 3.0 × 3.1	3F	ST	CH PH	
41003	2FAC	1146	8TON Dump Truck			6	T	111.0 × 3.31 × 4.5	K BF	FC	CH PH	65.02503-8146
			Bus BF105				2	111.0 × 3.0 × 4.5	TF ST	FC	CH PH	
							O	111.0 × 4.0 × 4.15	2F	ST	NT NT	

TP No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape	Material	Surface Treatment	Reference
									① ② ③		Outside	
41006	2FAC	2366	8.5TON DUMP TRUCK			6	T	123.0 × 3.306 × 5.0	K BF	FC	CH PH	65.02503-8236
			BUS BS106				2	123.0 × 3.0 × 5.0	TF ST		CH PH	
			EXCAVATOR				O	123.0 × 4.0 × 4.5	2F		NT NT	
			GENERATOR 115K									
			FORKLIFT									
41004	2FAC	2848 M	15TON DUMP TRUCK			8	T	128.0 × 3.306 × 5.1	K BF	FD	CH PH	65.02503-8251
			BUS BH120				2	128.0 × 3.0 × 5.2	TF		CH PH	
			EXCAVATOR				O	128.0 × 5.5 × 4.8	2F		CH PH	
			GENERATOR 200K									
41005	2FAC	2848 NEW	15TON DUMP TRUCK			8	T	128.0 × 3.306 × 5.1	K BF	FD	CH PH	65.02503-8252
			BUS BH126				2	128.0 × 3.0 × 5.2	TF SP		CH PH	
			EXCAVATOR				O	128.0 × 5.0 × 4.8	2F		CH PH	
			GENERATOR 200K									

TP No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape ① ② ③	Material	Surface Treatment Outside Upper/Lower	Reference
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HYUNDAI

42016	3F	G4HA	Atos	798	4	T	63.0 × 1.2 × 2.25	BF	ST	CH	FE	23040-02500
						2	63.0 × 1.5 × 2.7	TF	FC	PH	PH	23040-02510
						O	63.0 × 2.8 × 2.85	3F	ST	CH	PH	23040-02511
42002	3F	80HC	Atos	1,000	4	T	66.0 × 1.2 × 2.3	BF	ST	CH	FE	23040-02700
						2	66.0 × 1.2 × 2.8	TF	FC	PH	PH	
						O	66.0 × 2.5 × 2.8	3F	ST	CH	PH	
42036	3F	SANTRO			4	T	67.0 × 1.2 × 2.3	BF	ST	NT	NT	23040-02820
						2	67.0 × 1.2 × 2.7	TF	FC	PH	PH	
						O	67.0 × 2.5 × 2.5	3F	ST	NT	NT	
42055	3F	G4LA	Atos (G4HG)	999	4	T	71.0 × 1.0 × 2.2	BF	ST	CH	FE	23040-03000
						2	71.0 × 1.2 × 2.5	TF SP	FC	PH	PH	
						O	71.0 × 2.0 × 1.95	3F	ST	CH	PH	
42018	3FAC	X11			4	T	71.0 × 1.5 × 2.7	BF	ST	NT	NT	23040-21000
						2	71.0 × 1.5 × 3.1	TF	FC	PH	PH	23040-24010
						O	71.0 × 4.0 × 2.95	3F	ST	NT	PH	
42003	3F	G4K	Accent	1,500	4	T	71.5 × 1.5 × 2.9	BF	ST	CH	FE	23040-22300
						2	71.5 × 1.5 × 3.1	TF	FC	PH	PH	
						O	71.5 × 3.0 × 2.9	3F	ST	CH	PH	
42047	2FAC	AVANTE XD	I20/I30 08-/ELANTRA 06-/ SOUL 09-	1,600	4	T	75.0 × 1.75 × 2.9	BF BT	ST	NT	NT	23040-2A900
						2	75.0 × 1.75 × 3.0	TF ST	FC	CH	PH	
						O	75.0 × 3.0 × 3.2	2F	ST	NT	NT	
42025	3F	AVANTE 1.5	95 Avante 1.5GLS 96 Accent E/G		4	T	75.5 × 1.2 × 2.7	BF	ST	NT	NT	23040-26001
						2	75.5 × 1.5 × 3.1	TF	FC	PH	PH	
						O	75.5 × 3.0 × 2.9	3F	ST	CH	PH	
42032	3F	G4EE	ACCENT ERA		4	T	75.5 × 1.2 × 2.85	BF BT	ST	CH	FE	23040-26002
						2	75.5 × 1.2 × 3.2	TF SP	FC	PH	PH	
						O	75.5 × 2.0 × 2.75	3F	ST	NT	NT	
42004	3F	G4EK	Accent,S-coupe	1,500	4	T	75.5 × 1.5 × 3.1	BF	ST	CH	FE	23040-22010
						2	75.5 × 1.5 × 3.1	TF	FC	PH	PH	
						O	75.5 × 3.0 × 2.95	3F	ST	CH	PH	
42019	3F	G4EK	Excel1.5	1,468	4	T	75.5 × 1.5 × 3.1	BF	ST	CH	FE	23040-21110
						2	75.5 × 1.5 × 3.1	TF	FC	PH	PH	23040-24200
						O	75.5 × 4.0 × 3.2	3F	ST	CH	PH	
42039	3F	G4EK			4	T	75.5 × 1.5 × 2.9	BF	ST	NT	NT	23040-22050
						2	75.5 × 1.5 × 3.1	TF	FC	PH	PH	23040-22051
						O	75.5 × 3.0 × 2.8	3F	ST	NT	NT	
42030	3F	G4ED	Accent 1.6,Matrix 1.6 Getz 1.6			T	76.5 × 1.2 × 2.85	BF BT	ST	CH	FE	23040-26101
						2	76.5 × 1.2 × 3.3	TF SP	FC	PH	PH	
						O	76.5 × 2.5 × 3.05	3F	ST	CH	PH	
42038	3F	ALPHA 1.6				T	76.5 × 1.2 × 2.85	BF BT	ST	CH	FE	23040-26160
						2	76.5 × 1.2 × 3.2	TF SP	FC	PH	PH	
						O	76.5 × 2.0 × 2.5	3F	ST	NT	NT	

TP No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape			Material	Surface Treatment		Reference
									①	②	③		Outside	Upper/Lower	
42045	3F	GAMMA	ACCENT 2011			4	T	77.0 × 1.2 × 2.65	BF	BT		ST	CH	FE	23040-2B000
							2	77.0 × 1.2 × 3.1	TF	SP		FC	PH	PH	
							O	77.0 × 2.0 × 2.55	3F			FC	CH	PH	
42053	2FAC	G4FA				4	T	77.0 × 1.2 × 2.5	BF	BT		ST	PV	FE	23040-2B001
							2	77.0 × 1.2 × 3.1	TF	SP		FC	PH	PH	
							O	77.0 × 2.0 × 2.6	3F			ST	PV	PH	
42008	3FAC	G4GA	Elantra		1,600	4	T	77.4 × 1.2 × 2.75	BF	BT		ST	NT	NT	23040-23150
							2	77.4 × 1.2 × 3.3	TF			FC	CH	PH	
							O	77.4 × 2.5 × 3.15	3F			ST	NT	PH	
42006	3F	J2				4	T	77.4 × 1.2 × 2.75	BF	BT		ST	CH	PH	23040-23100
							2	77.4 × 1.2 × 3.3	TF			FC	PH	PH	
							O	77.4 × 2.5 × 3.05	3F			ST	CH	PH	
42046	3FAC	G4DM				4	T	81.5 × 1.2 × 3.1	BF			ST	NT	NT	23040-33430
							2	81.5 × 1.5 × 3.6	TF			FC	CH	PH	
							O	81.5 × 3.0 × 2.5	3F			ST	NT	NT	
42010	3FAC	BETA	Avante			4	T	82.0 × 1.2 × 3.1	BF	BT		ST	NT	NT	23040-23050
							2	82.0 × 1.2 × 3.5	TF			FC	CH	PH	23040-23000
							O	82.0 × 2.5 × 3.15	3F			ST	NT	PH	23040-23200
42033	3F	TUCSON				4	T	82.0 × 1.2 × 2.8	BF	BT		ST	CH	FE	23040-23300
							2	82.0 × 1.2 × 3.2	TF	SP		FC	PH	PH	
							O	82.0 × 2.0 × 2.55	3F			ST	CH	PH	
42005	3FAC	G4R	Elantra		1,600	4	T	82.3 × 1.2 × 3.1	BF			ST	NT	NT	23040-33030
							2	82.3 × 1.5 × 3.6	TF			FC	CH	PH	
							O	82.3 × 3.0 × 2.95	3F			ST	NT	PH	
42034	2FAC	3A0	ACCENT CRDI(TURBO DIESEL)			4	T	83.0 × 1.9 × 2.9	K	BF		ST	CH	FE	23040-27900
							2	83.0 × 2.0 × 3.6		TF		FC	CH	PH	
							O	83.0 × 3.0 × 3.75	2F			ST	NT	NT	
42049	2FAC	D4EA	SANTA FE		1,991	4	T	83.0 × 1.94 × 3.1	K	BF		FD	CH	PH	23040-27920
							2	83.0 × 2.0 × 3.8		TF		FC	CH	PH	23040-27950
							O	83.0 × 3.0 × 3.25	2F			ST	NT	NT	
42052	2F	R2.0L D4HA	IX35/SPGⅢ 2.0TCI		2,000	4	T	84.0 × 2.438 × 3.0	K	BF		FD	CH	PH	23040-2F930
							2	84.0 × 2.0 × 3.4		TF		FC	PH	PH	
							O	84.0 × 3.0 × 3.3	2F			ST	NT	NT	
42013	3FAC	EF2.0	Sonata		2,350	4	T	85.0 × 1.2 × 3.1	BF	BT		ST	NT	NT	23040-38100
							2	85.0 × 1.5 × 3.7		TF		FC	PH	PH	
							O	85.0 × 2.8 × 2.4	3F			ST	NT	NT	
42020	3FAC	Y2				4	T	85.0 × 1.5 × 3.5	BF			ST	CH	FE	23040-32800
							2	85.0 × 1.5 × 3.8		TF		FC	PH	PH	
							O	85.0 × 4.0 × 3.2	3F			ST	CH	PH	
42040	3F	G4KC	SONATA 2.0L		1,998	4	T	86.0 × 1.2 × 3.05	BF	BT		ST	CH	FE	23040-25000
							2	86.0 × 1.2 × 3.6		TF	SP	FC	PH	PH	
							O	86.0 × 2.0 × 2.55	3F			ST	CH	PH	

TP No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape			Material	Surface Treatment		Reference
									①	②	③		Outside	Upper/Lower	
42043	3F	G4KC LPG			1,998	4	T	86.0 × 1.2 × 3.1	BF	BT		ST	NT	NT	23040-25050
							2	86.0 × 1.2 × 3.6	TF	SP		FC	PH	PH	
							O	86.0 × 2.0 × 2.5	3F			ST	NT	NT	
42021	3FAC	G6BA				6	T	86.7 × 1.2 × 3.05	BF	BT		ST	CH	FE	23040-37300
							2	86.7 × 1.2 × 3.6	TF			FC	PH	PH	
							O	86.7 × 2.5 × 3.05	3F			ST	CH	PH	
42050	3F	G6BA-2	SANTA FE 06-/TUCSON 04-08			6	T	86.7 × 1.2 × 3.05	BF	BT		ST	CH	FE	23040-3E001
							2	86.7 × 1.2 × 3.6	TF			FC	PH	PH	
							O	86.7 × 2.0 × 2.6	3F			ST	CH	PH	
42048	2FAC	D4EB				4	T	87.0 × 2.419 × 3.1	K	BF		FD	CH	PH	23040-27960
							2	87.0 × 2.0 × 3.7	TF	ST		FD	CH	PH	
							O	87.0 × 3.0 × 3.55	2F			ST	NT	NT	
42044	3F	G4KC 2.4	SONATA 2.4L		2,359	4	T	88.0 × 1.2 × 3.1	BF	BT		ST	CH	FE	23040-25200
							2	88.0 × 1.2 × 3.6	TF	SP		FC	PH	PH	
							O	88.0 × 2.0 × 2.55	3F			ST	CH	PH	
42037	2FAC	D4CB			2,500	4	T	91.0 × 2.42 × 3.3	HK	BF		ST	NT	NT	23040-4A900
							2	91.0 × 2.0 × 3.9	TF			FC	CH	PH	
							O	91.0 × 3.0 × 3.04	2F			ST	NT	NT	
42001	2FAC	D4BA H100(NEW)	H100,Grace,Porter		2,500	4	T	91.1 × 2.0 × 3.35	BF			ST	NT	NT	23040-42200
							2	91.1 × 2.0 × 3.75	TF			FC	CH	PH	23040-42202
							O	91.1 × 3.0 × 3.3	2F			ST	NT	NT	23040-42210
42015	2FAC	D4BF	Galloper			4	T	91.1 × 2.5 × 3.7	HK	BF	BB	FD	CH	PH	23040-42850
			Grace Turbo				2	91.1 × 2.0 × 3.7	HK	TF	BB	FD	CH	PH	23040-42521
			Starex Turbo				O	91.1 × 4.0 × 4.1	2F			ST	NT	NT	
42041	2FAC	D4BH			2,400	4	T	91.1 × 2.5 × 3.7	HK	BF	BB	FD	CH	PH	23040-42510
							2	91.1 × 2.0 × 3.7	HK	TF	BB	FD	CH	PH	
							O	91.1 × 4.0 × 3.3	2F			ST	CH	FE	
42000	2FAC	H100	88 Grace			4	T	91.1 × 2.5 × 3.7	BF			FD	CH	PH	23040-42000
			Porter				2	91.1 × 2.0 × 3.8	TF			FC	CH	PH	
			1Ton 1.25Ton				O	91.1 × 4.0 × 4.1	2F			ST	NT	NT	
42042	2FAC	TERRACAN			2,900	4	T	97.1 × 2.42 × 3.4	HK	BF		ST	NT	NT	23040-4X920
							2	97.1 × 2.0 × 3.9	TF	BB		FD	CH	PH	
							O	97.1 × 3.0 × 3.25	2F			ST	NT	NT	
42007	2FAC	D4AE	97 Mighty 3.5 Ton			4	T	100.0 × 3.0 × 3.7	K	BF		ST	CH	NT	23040-41400
							2	100.0 × 2.0 × 4.0	TF	ST		FD	CH	PH	
							O	100.0 × 4.0 × 3.95	2F			ST	NT	NT	
42017	2FAC	D4AF	Mighty		3,298	4	T	100.0 × 3.0 × 4.0	HK	BF		ST	CH	FE	23040-41000
							2	100.0 × 2.0 × 4.2	TF	ST		FC	CH	PH	23040-41060
							O	100.0 × 5.0 × 4.7	2F			ST	CH	FE	
42012	2FAC	D4AF	Mighty		3,567	4	T	104.0 × 3.0 × 4.0	HK	BF		ST	CH	FE	23040-41200
							2	104.0 × 2.0 × 4.2	TF	ST		FC	CH	PH	
							O	104.0 × 4.0 × 4.2	2F			ST	NT	NT	

TPR CO.,LTD.

TP No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape ① ② ③	Material	Surface Treatment Outside Upper/Lower	Reference
43021	3F	PICANTO 1.1L	Picanto		1,100	4	T	67.0 × 1.2 × 2.45	BF BT	ST	CH FE	23040-02950
							2	67.0 × 1.2 × 2.8	TF	FC	PH PH	23040-02970
							O	67.0 × 2.0 × 2.75	3F	ST	NT PH	
43002	3F	B1	Pride1100 (Unleaded)		1,100	4	T	68.0 × 1.2 × 2.75	BF	ST	CH FE	KK1Y8-11-SCO
							2	68.0 × 1.5 × 3.0	TF SP	FC	PH PH	
							O	68.0 × 3.0 × 2.85	3F	ST	CH PH	
43008	3F	PRIDE1.3	Pride Festiva		1,300	4	T	71.0 × 1.2 × 2.55	BF	ST	CH FE	K1YH-11-SCO
							2	71.0 × 1.5 × 3.1	TF SP	FC	PH PH	
							O	71.0 × 3.0 × 2.9	3F	ST	CH PH	
43028	3F	1YO	Picanto		998	3	T	71.0 × 1.0 × 2.3	BF	ST	CH FE	23040-04100
							2	71.0 × 1.2 × 2.5	TF SP	FC	PH PH	
							O	71.0 × 2.0 × 1.95	3F	ST	CH PH	
43012	3F	B3	Rio		1,300	4	T	75.5 × 1.2 × 2.75	BF BT	ST	CH FE	0K3Y0-11-SCO
							2	75.5 × 1.2 × 3.2	TF SP	FC	PH PH	0K3Y2-11-SCO
							O	75.5 × 2.5 × 2.75	3F	ST	CH PH	
43026	2F	D4FB				4	T	77.2 × 1.75 × 2.9	BF	ST	NT NT	
							2	77.2 × 1.75 × 3.1	TF ST	FC	CH PH	
							O	77.2 × 3.0 × 3.2	2F	ST	NT NT	
43023	3F	AVELLA				4	T	78.0 × 1.5 × 3.25	BF	ST	CH FE	K2YA-11-SCO
							2	78.0 × 1.5 × 3.3	TF	FC	PH PH	K2Y2-11-SCO
							O	78.0 × 3.0 × 3.05	3F	ST	CH PH	
43015	3FAC	KV20	Sephia Carnival			4	T	78.0 × 1.5 × 3.25	BF	ST	CH FE	K9Y1-11-SCO
							2	78.0 × 1.5 × 3.3	TF	FC	PH PH	
							O	78.0 × 4.0 × 3.4	3F	ST	CH PH	
43025	3F	SPECTRA 1.6				4	T	78.0 × 1.2 × 2.8	BF BT	ST	CH FE	0K3Y3-11-SCO
							2	78.0 × 1.2 × 3.2	TF SP	FC	PH PH	
							O	78.0 × 2.5 × 2.65	3F	ST	CH PH	
43019	3FAC	2.5EGI	Carnival			6	T	80.0 × 1.2 × 3.1	BF	ST	CH FE	0K9YV-11-SCO
							2	80.0 × 1.5 × 3.3	TF	FC	PH PH	
							O	80.0 × 2.5 × 3.05	3F	ST	CH PH	
43020	3F	CARENS				4	T	81.0 × 1.5 × 3.15	BF	ST	NT NT	0K2Y3-11-SCO
							2	81.0 × 1.5 × 3.4	TF	FC	PH PH	
							O	81.0 × 3.0 × 2.95	3F	ST	NT NT	
43022	3F	CARENS-2				4	T	81.0 × 1.2 × 3.15	BF BT	ST	NT NT	23040-2Y050
							2	81.0 × 1.2 × 3.5	TF	FC	PH PH	
							O	81.0 × 2.5 × 3.15	3F	ST	NT PH	
43027	2F	R2.2L D4HB	IX35, Santa Fe, Tucson			4	T	85.4 × 2.438 × 3.0	K BF	FD	CH PH	
							2	85.4 × 2.0 × 3.5	TF	FC	PH PH	
							O	85.4 × 3.0 × 3.25	2F	ST	NT NT	

TPR CO.,LTD.

TP No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape ① ② ③	Material	Surface Treatment Outside Upper/Lower	Reference
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OTHERS

ASIA

44001	3F	TOWNER 70	TOWNER		3	T	70.0 × 1.2 × 2.5	BF	ST	NT	NT	AA100-11-120
						2	70.0 × 1.5 × 2.9	TF SP	FC	PH	PH	
						O	70.0 × 2.8 × 2.6	3F	ST	NT	PH	

CHRYSLER

61001	3F	EER			6	T	86.0 × 1.5 × 3.25	BF	ST	CH	FE	
						2	86.0 × 1.5 × 3.7	TF	FC	PH	PH	
						O	86.0 × 3.0 × 3.05	3F	ST	CH	PH	

GM/CHEVROLET

50059	3F	SAIL			4	T	73.8 × 1.2 × 2.6	BF BT	ST	CH	FE	93736247
						2	73.8 × 1.2 × 2.8	TF SP	FD	PH	PH	
						O	73.8 × 2.0 × 2.5	3F	ST	NT	NT	
50033	2F	CORSA 1.4L			4	T	77.58 × 1.5 × 2.8	BF	ST	CH	FE	
						2	77.58 × 1.5 × 3.1	TF	FC	PH	PH	
						O	77.58 × 3.0 × 3.1	2F	ST	NT	NT	
50032	3F	CORSA 1.6L			4	T	78.98 × 1.2 × 2.7	BF	ST	NT	NT	93235611
						2	78.98 × 1.5 × 3.2	TF	FC	PH	PH	
						O	78.98 × 3.0 × 2.9	2F	ST	CH	PH	
50078	3F	E-TEC I 1.8L X18XE1	Corsa 1.8 Evolution	1,796	4	T	80.5 × 1.2 × 3.1	BF	ST	CH	FE	93332835
						2	80.5 × 1.2 × 2.95	TF	FC	PH	PH	
						O	80.5 × 2.0 × 2.85	3F	ST	CH	PH	

FIAT

50082	2FAC	M 733 AT				T	69.6 × 2.0 × 2.75	BF	ST	NT	NT	
						2	69.6 × 1.5 × 2.85	TF	FC	PH	PH	
						O	69.6 × 2.0 × 2.75	2F	ST	NT	NT	
1cyl/set												
50038	2F	MAREA 82 4CYL			4	T	82.0 × 1.2 × 3.25	BF	ST	CH	FE	71713060
						2	82.0 × 1.2 × 3.3	TF	FC	PH	PH	
						O	82.0 × 2.0 × 2.75	2F	ST	NT	NT	
50067	2F	DUCATO 88			4	T	88.0 × 2.358 × 3.65	K BF	ST	CH	FE	2992540
						2	88.0 × 2.0 × 3.6	TF	FC	PH	PH	
						O	88.0 × 2.5 × 3.1	2F	ST	NT	NT	
1cyl/set												

FORD

50069	3F	FOCUS 1.6				T	79.0 × 1.2 × 2.85	BF	ST	CH	FE	
						2	79.0 × 1.5 × 3.2	TF	FC	PH	PH	
						O	79.0 × 2.0 × 2.3	3F	ST	CH	PH	
1cyl/set												
50029	2F	FORD 79.5			4	T	79.5 × 1.75 × 3.25	BF	ST	CH	FE	
						2	79.5 × 2.0 × 3.3	TF	FC	PH	PH	
						O	79.5 × 3.0 × 3.55	2F	ST	NT	NT	
1cyl/set												

TP No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape			Material	Surface Treatment		Reference
									①	②	③		Outside	Upper/Lower	
50072	3F	MPV					T	81.6 × 1.2 × 3.1	BF	BT		ST	NT	NT	
							2	81.6 × 1.5 × 3.3	TF	SP		FC	PH	PH	
							O	81.6 × 3.0 × 2.85	3F			ST	CH	PH	
50070	3F	FOCUS 1.8					T	83.0 × 1.2 × 2.75	BF			ST	CH	FE	
							2	83.0 × 1.5 × 3.3	TF	SP		FC	PH	PH	
							O	83.0 × 2.5 × 2.65	3F			ST	CH	PH	
50068	2F	DURATORQ 2.2L BT-50	RANGER, BT-50		2,200	4	T	86.0 × 2.0 × 3.6	BF			FD	CH	PH	
							2	86.0 × 2.0 × 3.6	TF	SP		FD	PH	PH	
							O	86.0 × 2.0 × 2.85	2F			ST	NT	NT	
50049	2F	TRANSIT					T	89.9 × 2.0 × 3.3	BF			ST	NT	NT	
							2	89.9 × 2.0 × 3.7	TF	SP		FC	PH	PH	
							O	89.9 × 2.0 × 2.75	2F			ST	NT	NT	
50047	2F	TRANSIT					T	93.67 × 2.43 × 3.55	K	BF		ST	CH	FE	
							2	93.67 × 2.0 × 3.8	TF	BT		FC	PH	PH	
							O	93.67 × 4.0 × 4.15	2F			ST	NT	NT	
50053	2F	PUMA					T	89.91 × 2.4 × 3.75	HK	BF		FD	CH	PH	06-113500-00
							2	89.91 × 2.0 × 3.7	TF	BT		FC	PH	PH	
							O	89.91 × 3.0 × 3.15	2F			ST	NT	NT	

GAZ

50091	2F	421	TRUCK			4	T	100.0 × 2.0 × 4.1	BF			FD	CH	PH	421.1000100
							2	100.0 × 2.0 × 4.2	TF	SP		FC	PH	PH	
							O	100.0 × 5.0 × 4.3	2F			FD	CH	PH	
50090	2F	406	TRUCK			4	T	92.0 × 2.0 × 3.8	BF			FD	CH	PH	406.1000100
							2	92.0 × 2.0 × 4.2	TF	ST		FC	PH	PH	
							O	92.0 × 5.0 × 4.1	2F			FC	CH	PH	

LADA

50008	3F	LADA 76				4	T	76.0 × 1.5 × 2.9	BF			ST	NT	NT	
							2	76.0 × 2.0 × 3.2	TF	SP		FC	PH	PH	
							O	76.0 × 4.0 × 3.45	3F			ST	CH	PH	
50009	3F	LADA 79				4	T	79.0 × 1.5 × 3.1	BF			ST	NT	NT	
							2	79.0 × 2.0 × 3.2	TF	SP		FC	PH	PH	
							O	79.0 × 4.0 × 3.45	3F			ST	CH	PH	
50020	3F	LADA 82				4	T	82.0 × 1.5 × 3.1	BF			ST	NT	NT	
							2	82.0 × 2.0 × 3.2	TF	SP		FC	PH	PH	
							O	82.0 × 4.0 × 2.95	3F			ST	CH	PH	

MERCEDES

50037	3F	SMART				3	T	63.5 × 1.2 × 2.5	BF			ST	CH	FE	80 00372 1 0 000
							2	63.5 × 1.5 × 2.6	TF			FC	PH	PH	
							O	63.5 × 2.5 × 2.55	3F			ST	CH	PH	
50052	3F	SMART				3	T	66.5 × 1.2 × 2.5	BF			ST	NT	NT	
							2	66.5 × 1.2 × 2.5	TF			ST	FE	FE	
							O	66.5 × 2.5 × 2.2	3F			ST	NT	NT	

TP No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape			Material	Surface Treatment		Reference
									①	②	③		Outside	Upper/ Lower	
50048	2F	SPRINTER					T	88.0 × 2.5 × 3.35	BF			ST	NT	NT	
							2	88.0 × 2.0 × 3.6	TF BT			FC	PH	PH	
							O	88.0 × 3.0 × 3.3	2F			ST	NT	NT	
1cyl/set															
50092	2F	OM501LA	Actros			6	T	130.0 × 2.87 × 4.7	K BF BT			ST	NT	NT	005 26 NO
							2	130.0 × 3.0 × 5.4	TF SB			FC	CH	PH	
							O	130.0 × 4.0 × 2.8	2F			ST	NT	NT	
1cyl/set															

MINI

50060	3F	COOPER 77	1cyl/set	T	77.0 × 1.2 × 2.9	BF	ST	NT	NT
				2	77.0 × 1.2 × 3.3	TF SP	FC	PH	PH
				O	77.0 × 2.5 × 2.75	3F	ST	CH	PH

OPEL

50083	2FAC	A 13 DTC					T	69.6 × 1.5 × 2.8	BF	FD	CH	PH	
							2	69.6 × 1.5 × 2.65	TF	FD	PH	PH	
							O	69.6 × 2.0 × 2.7	2F	ST	NT	NT	
1cyl/set													
50013	3F	OPEL 1.3L Thin		4	T	75.0 × 1.5 × 2.9	BF	ST	NT	NT			
					2	75.0 × 1.5 × 3.1	TF	FC	PH	PH			
					O	75.0 × 4.0 × 3.25	3F	ST	CH	PH			
50016	3F	OPEL 1.3L Thick		4	T	75.0 × 1.75 × 3.25	BF	ST	CH	FE			
					2	75.0 × 2.0 × 3.1	TF SP	FC	PH	PH			
					O	75.0 × 4.0 × 3.25	3F	ST	CH	PH			
50012	3F	OPEL 1.4L		4	T	77.6 × 1.5 × 2.9	BF	ST	NT	NT			
					2	77.6 × 1.5 × 3.1	TF	FC	PH	PH			
					O	77.6 × 3.0 × 2.9	3F	ST	CH	PH			
50080	3F	Z 1.6XEP	Meriva		T	79.0 × 1.2 × 3.0	BF	ST	CH	FE			
					2	79.0 × 1.2 × 3.1	TF SP	FC	PH	PH			
					O	79.0 × 2.0 × 2.45	3F	ST	CH	PH			
1cyl/set													
50087	3F	Z16XE	ASTRA 1.6	1598	4	T	78.98 × 1.2 × 3.1	BF	ST	NT	NT	08-125600-00(GOETZE)	
			VECTRA 1.6	2	78.98 × 1.5 × 3.2	TF	FC	PH	PH				
				O	78.98 × 2.5 × 2.9	3F	ST	CH	PH				
50011	3F	OPEL 1.6L		4	T	79.0 × 1.2 × 2.7	BF	ST	NT	NT			
					2	79.0 × 1.5 × 3.2	TF	FC	PH	PH			
					O	79.0 × 3.0 × 2.9	3F	ST	CH	PH			
50034	3F	16V	ASTRA		4	T	79.0 × 1.2 × 3.0	BF	ST	CH	FE		
			2	79.0 × 1.5 × 3.2	TF	FC	PH	PH					
			O	79.0 × 2.5 × 2.5	3F	ST	CH	PH					
50010	3F	OPEL 1.8L		4	T	84.8 × 1.5 × 3.3	BF	ST	NT	NT			
					2	84.8 × 1.5 × 3.6	TF	FC	PH	PH			
					O	84.8 × 3.0 × 2.85	3F	ST	CH	PH			

PEUGEOT

50054	2F	XUD7	4	T	80.0 × 2.0 × 3.3	BF	FC	CH	PH	
				2	80.0 × 2.0 × 3.3	TF	FC	PH	PH	
				O	80.0 × 3.0 × 3.6	2F	ST	NT	NT	

TF No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape			Material	Surface Treatment		Reference
									①	②	③		Outside	Upper/ Lower	
50014	3F	PEUGEOT XU7(405)				4	T	83.0 × 1.5 × 3.1	BF			ST	NT	NT	
							2	83.0 × 1.5 × 3.5	TF SP			FC	PH	PH	
							O	83.0 × 3.0 × 3.05	3F			ST	CH	PH	
50056	2F	XUD9				4	T	83.0 × 2.0 × 3.5	BF			FD	CH	PH	
							2	83.0 × 2.0 × 3.4	TF			FC	PH	PH	
							O	83.0 × 3.0 × 3.6	2F			ST	NT	NT	
50023	3F	PEUGEOT XN1(504)				4	T	88.0 × 1.5 × 3.3	BF			FD	CH	PH	
							2	88.0 × 2.0 × 3.8	TF			FC	PH	PH	
							O	88.0 × 4.0 × 3.4	2F			ST	CH	PH	

PROTON

44005	3F	Campro	Gen2	1,300	4	T	76.0 × 1.2 × 2.85	BF	ST	CH	PH	
						2	76.0 × 1.2 × 3.1	TF	FC	PH	PH	
						O	76.0 × 2.5 × 2.75	3F	ST	CH	PH	
44008	3F	CAMPRO-2	Gen2	1,600	4	T	76.0 × 1.2 × 2.85	BF	ST	CH	PH	
						2	76.0 × 1.2 × 3.1	TF	FC	PH	PH	
						O	76.0 × 2.0 × 2.5	3F	ST	CH	PH	

RENAULT

50027	3F	D4D	Clio 1.0L 16V	1,000	4	T	69.0 × 1.2 × 2.4	BF	ST	NT	NT	
						2	69.0 × 1.5 × 2.8	TF	FC	PH	PH	
						O	69.0 × 2.5 × 2.55	3F	ST	CH	PH	
50028	3F	D7D	Clio 1.0L 8V	1,000	4	T	69.0 × 1.5 × 2.7	BF BT	ST	CH	FE	
						2	69.0 × 1.5 × 2.8	TF	FC	PH	PH	
						O	69.0 × 2.5 × 2.55	3F	ST	CH	PH	
50081	2FAC	K9K			1cyl/set	T	76.0 × 2.0 × 2.75	BF	ST	CH	FE	9-3845-00
						2	76.0 × 2.0 × 3.2	TF SP	FC	PH	PH	
						O	76.0 × 2.5 × 2.8	2F	ST	NT	NT	
50064	3F	K7M	Logan,Kangoo,Megane,Modus		4	T	79.5 × 1.5 × 3.3	BF BT	FD	CH	PH	
						2	79.5 × 1.5 × 3.3	TF SP	FC	PH	PH	
						O	79.5 × 2.5 × 2.9	3F	ST	CH	PH	
50065	3F	RENAULT 79.5			4	T	79.5 × 1.5 × 3.1	BF	ST	CH	FE	7701474857
						2	79.5 × 1.5 × 3.3	TF SP	FC	PH	PH	
						O	79.5 × 2.5 × 2.9	3F	ST	CH	PH	

SSANGYONG

50079	2F	D20DT	4	T	86.2 × 2.444 × 3.3	K BF	FD	CH	PH	6650300524
				2	86.2 × 2.0 × 3.35	TF BT	FC	CH	PH	
				O	86.2 × 3.0 × 3.35	2F	ST	NT	NT	
50050	2F	MUSSO	5	T	89.0 × 2.5 × 3.55	BF	ST	CH	FE	
				2	89.0 × 2.0 × 3.7	TF	FC	PH	PH	
				O	89.0 × 3.0 × 3.55	2F	ST	NT	NT	

TP No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape ① ② ③	Material	Surface Treatment Outside Upper/Lower	Reference
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VW

50093	3F	POLO BTS				4	T	76.5 × 1.2 × 2.9	BF	ST	NT NT	03C198151E
							2	76.5 × 1.2 × 2.9	TF	FC	PH PH	
							O	76.5 × 2.0 × 2.5	3F	ST	CH PH	
50055	2F	VW DIESEL				4	T	76.5 × 1.75 × 3.2	BF BT	FD	CH PH	
							2	76.5 × 2.0 × 3.1	TF BB	FC	PH PH	
							O	76.5 × 3.0 × 3.45	2F	ST	NT NT	
50074	3F	VW 1.4					T	76.5 × 1.2 × 2.9	BF	ST	NT NT	
							2	76.5 × 1.5 × 3.2	TF SP	FC	PH PH	
							O	76.5 × 2.5 × 2.75	3F	ST	CH PH	
50003	3F	PASSAT 79.5				4	T	79.5 × 1.75 × 3.25	BF	ST	CH FE	
							2	79.5 × 2.0 × 3.3	TF	FC	PH PH	
							O	79.5 × 4.0 × 3.25	3F	ST	CH PH	
50061	2F	VW 79.5	(ENG) AMF,ATL,BAY 1X,1Y,1Z,AAZ,ABL,AEY AEF,AGD,AGP			3	T	79.5 × 1.75 × 2.8	BF	FD	CH PH	
							2	79.5 × 2.0 × 3.3	TF	FC	PH PH	
							O	79.5 × 3.0 × 3.55	2F	ST	NT NT	
50017	2F	VW AUDI 81				4	T	81.0 × 1.50 × 3.25	BF	ST	CH FE	
							2	81.0 × 1.75 × 3.3	TF SP	FC	PH PH	
							O	81.0 × 2.0 × 2.65	2F	ST	NT NT	
50073	3F	AUDI 81				1	T	81.0 × 1.2 × 2.9	BF	ST	NT NT	
							2	81.0 × 1.5 × 3.3	TF SP	FC	PH PH	
							O	81.0 × 2.0 × 2.75	3F	ST	NT NT	
50075	3F	VW BORA				1	T	81.0 × 1.0 × 2.7	BF	ST	NT NT	895085000
							2	81.0 × 1.2 × 3.3	TF SP	FC	PH PH	
							O	81.0 × 2.0 × 2.75	3F	ST	NT NT	
50018	2F	VW 2.8L				6	T	82.5 × 1.2 × 3.05	BF	ST	CH FE	
							2	82.5 × 1.5 × 3.3	TF	FC	PH PH	
							O	82.5 × 2.0 × 2.75	2F	ST	NT NT	
50025	2F	VW 2.8L-1	FOR 4CYL/ENG FOR 6CYL/ENG			4	T	82.5 × 1.2 × 3.05	BF	ST	CH FE	
							2	82.5 × 1.5 × 3.3	TF	FC	PH PH	
							O	82.5 × 2.0 × 2.75	2F	ST	NT NT	

DOOSAN

44007	2F	DB58 102	DB58			6	T	102.0 × 3.0 × 4.3	K BF	FC	CH PH	65.02503-8058
							2	102.0 × 2.5 × 4.4	TF	FC	PH PH	
							O	102.0 × 4.0 × 4.1	2F	ST	NT NT	
44009	2FAC	2848				8	T	128.0 × 3.306 × 5.1	K BF	FD	CH PH	65.02503-8255
							2	128.0 × 3.0 × 5.2	TF SP	FC	CH PH	
							O	128.0 × 4.0 × 4.75	2F	ST	NT NT	

TP No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape ① ② ③	Material	Surface Treatment		Reference
											Outside	Upper/Lower	

SKODA

50066	2F	SKODA 81	SKODA Octavia			4	T	81.0 × 1.0 × 2.7	BF	ST	NT	NT	06B198151A
			AVU,BFQ,AQY,APK,AEG,AZH,AZJ				2	81.0 × 1.2 × 3.3	TF SP	FC	PH	PH	
			VW Caddy, Passat,Golf, Polo				O	81.0 × 2.0 × 2.0	3F	ST	NT	NT	
			Audi, Quattro, BSF										

AUDI

50084	3F	CYPA					T	82.5 × 1.2 × 3.0	BF BT	ST	NT	NT	8950580000
							2	82.5 × 1.2 × 3.15	TF SP	FC	PH	PH	
							O	82.5 × 2.0 × 2.25	3F	ST	CH	PH	

1cyl/set													
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TF No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape ① ② ③	Material	Surface Treatment Outside Upper/Lower	Reference
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COMPRESSOR

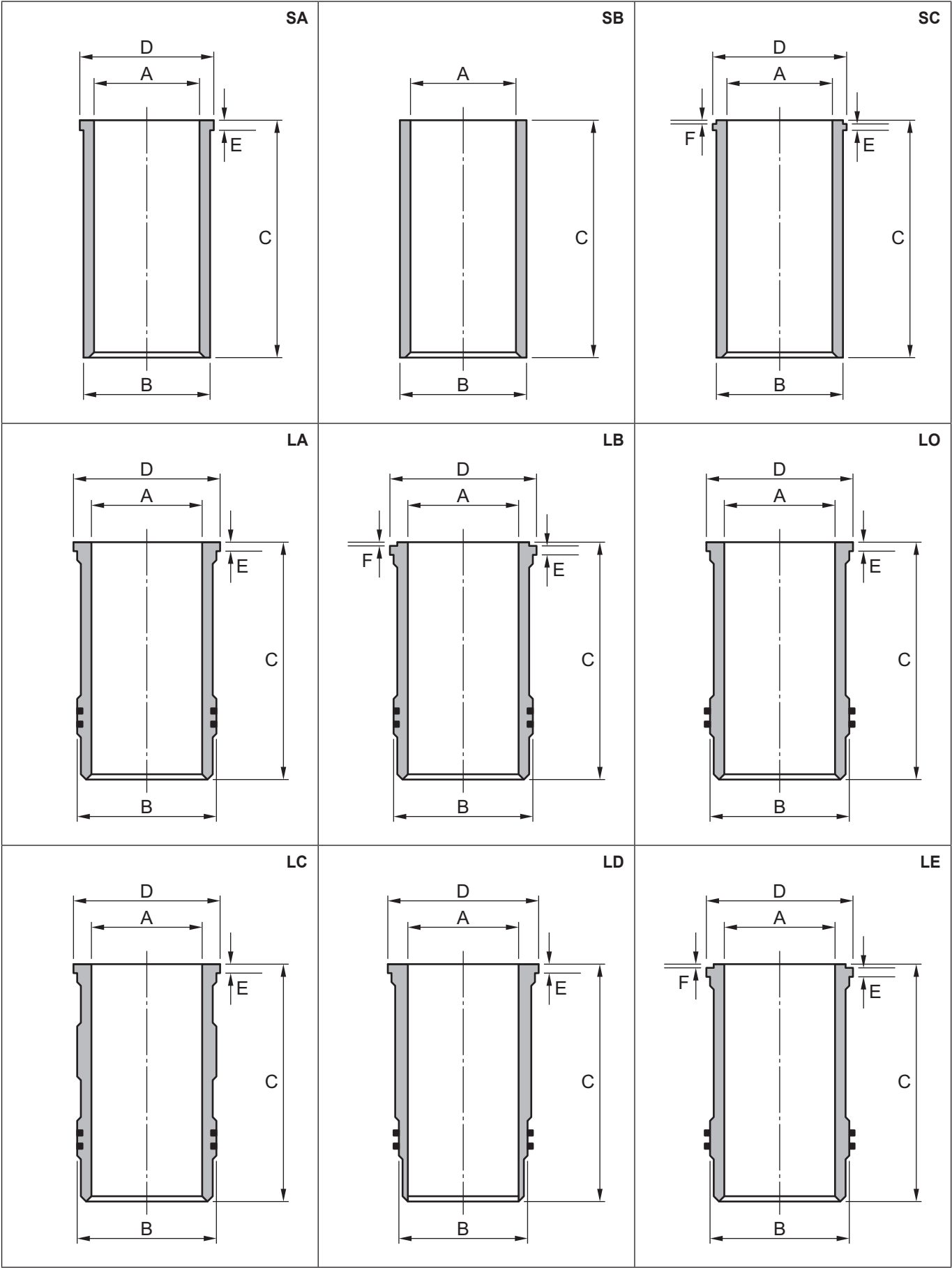
80001	3F	A/C 70				1	T	70.0 × 3.0 × 3.0	TF	FC	PH PH	
							2	70.0 × 3.0 × 3.0	TF	FC	PH PH	
							O	70.0 × 4.0 × 2.9	3F	ST	CH PH	
80013	2F	6BG1				1	T	70.0 × 1.5 × 3.0	BF BT	FC	CH PH	1-19163-027-0
							2	70.0 × 1.5 × 3.0	TF SP	FC	CH PH	
							O	70.0 × 3.0 × 2.0		ST	NT NT	
							O	70.0 × 3.0 × 2.0	2F	ST	NT NT	
80002	T	EH100 A/C				1	T	70.0 × 2.5 × 3.0	TF	FC	PH PH	
							2	70.0 × 2.5 × 3.0	TF	FC	PH PH	
							3	70.0 × 2.5 × 3.0	TF	FC	PH PH	
							O	70.0 × 4.0 × 3.0	1F	FC	PH PH	
80007	T	H07C A/C				1	T	70.0 × 2.5 × 3.0	TF	FC	PH PH	
							2	70.0 × 2.5 × 3.0	TF SP	FC	PH PH	
							3	70.0 × 2.5 × 3.0		FC	PH PH	
							O	70.0 × 4.0 × 3.0	1F	FC	PH PH	
80015	3F	D6CA A/C				1	T	75.0 × 2.0 × 3.3	BF	FC	PH PH	
							2	75.0 × 2.0 × 3.1	TF SP	FC	PH PH	
							O	75.0 × 4.0 × 3.2	3F	ST	CH PH	
80003	3F	6D16-4 A/C				1	T	80.0 × 3.0 × 3.3	TF	FC	PH PH	
							2	80.0 × 3.0 × 3.3	TF	FC	PH PH	
							3	80.0 × 3.0 × 3.3	TF	FC	PH PH	
							O	80.0 × 4.0 × 3.45	3F	ST	NT NT	
80010	3F	80A/C				1	T	80.0 × 2.5 × 3.3	BF BT	FC	PH PH	
							2	80.0 × 2.5 × 3.4	TF SP	FC	PH PH	
							O	80.0 × 4.0 × 3.15	3F	ST	CH PH	
80004	T	RD8				1	T	80.0 × 3.0 × 3.3	TF	FC	PH PH	
							2	80.0 × 3.0 × 3.3	TF	FC	PH PH	
							3	80.0 × 3.0 × 3.3	TF	FC	PH PH	
							O	80.0 × 4.0 × 3.2	1F	FC	PH PH	
80012	3F	CK12/SANWA				1	T	85.0 × 3.0 × 3.5	TF	FC	PH PH	
							2	85.0 × 3.0 × 3.5	TF SP	FC	PH PH	
							3	85.0 × 3.0 × 3.5	TF SP	FC	PH PH	
							O	85.0 × 4.0 × 3.2	3F	ST	CH PH	
80016	2F	D6CB A/C				1	T	85.0 × 2.0 × 3.7	TF SP	FC	PH PH	
							2	85.0 × 2.0 × 3.7	TF SP	FC	PH PH	
							O	85.0 × 4.0 × 4.3	2F	ST	NT NT	
80005	3F	8DC9-4 A/C				1	T	85.0 × 3.0 × 3.5	TF	FC	PH PH	
							2	85.0 × 3.0 × 3.5	TF SP	FC	PH PH	
							3	85.0 × 3.0 × 3.5	TF SP	FC	PH PH	
							O	85.0 × 4.0 × 3.45	3F	ST	CH PH	

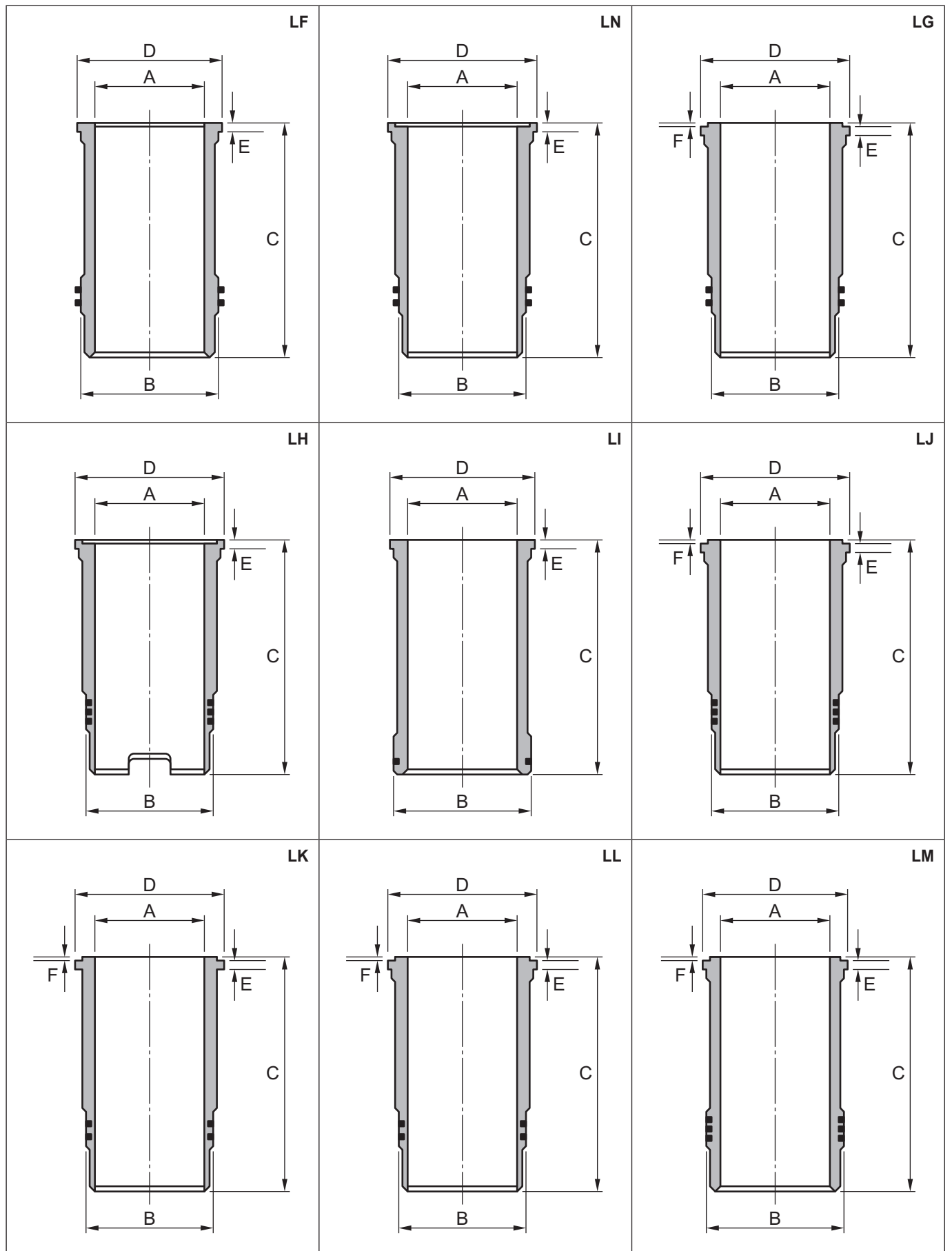
TPR CO.,LTD.

[illegible]

CYLINDER LINERS

Liner Type Diagrams





TF No.	Label No.	Engine Model	Reference	CC	SEMI/ CR	1Box. Cyl.	No. Cyl.	Type	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)
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DAIHATSU

0101S	K03-087068	DG	11461-87302	2,530	SEMI	4	4	SC	87.6	93	182	97	3
0102S	K03-087069	DG	11461-87304	2,530	SEMI	4	4	SC	87.6	96	182	101	3
0103S	K03-097158	DL	11461-87303	2,530	SEMI	4	4	SC	91.6	96	182	101	3
0104S	K03-097072	DL(NEW)	11461-87305	2,530	SEMI	4	4	SC	91.6	96	178	101	3

HINO

0201F	K03-097014	DM100	11467-1330/1440	4,313		6	6	LB	90	104.5	198.5	110	9
0202F	K03-097025	EC100	2-380-1930-10 11467-1130(A)	5,010		6	6	LB	97	110.5	206	117	10
0203F	K03-107202	W04,06D	11467-1761/1791 11461-1680A	4,009		4	4	SC	104	107	201	112	8
0232F	K03-107230	W06D	11467-1761/1791 11461-1680A			6	6	SC	104	107	201	112	8
0216F	K03-107066	EH100	11467-1030/1040	5,871		6	6	SC	105	110	206	115	8
0204F	K03-107020	DS70/90	11461-1260A	7,041		6	6	LK	105	122	261	130	10.1
0213F	K03-107205	H06CT	11467-1591/1621	6,485		6	6	SC	108	113	204	118	8
0205F	K03-117007	DS50	11461-1230A	7,982		6	6	LB	110	124.5	266	131	10.1
0206F	K03-117126	EH700	11467-1200/1230	6,443		6	6	SC	110	113	204	118	8
0240F	K03-117191	J08E/J05E	11467-3200B/10B/20B S1146-3200/10/20			6	6	SA	112	117	203	122	8
0241F	K03-117194	J08E-2-P	11463-E0500			6	6	SA	112	117	203	122	3
0221F	K03-117155	J08C	11467-2601/2611/2621			6	6	SA	114	117	203	122	8
0222F	K03-117171	J08C-2				6	6	SC	114	117	204	122	8
0236F	K03-117189	J08C-3	11462-E0090 11463-E0060 11464-E0060			6	6	SA	114	117	203	122	3
0207F	K03-117035	EB100,200	11467-1390	9,036		2	6	LB	115	131.5	278	139	11.1
0208F	K03-117074	EL100	11461-1360/1640	7,862		2	6	LG	116	129	222.8	138	9
0210F	K03-127047	EB400	11467-1180	9,838		6	6	LB	120	136	287.3	143	11.1
0209F	K03-127010	DK10A	11467-1380/1540	10,178		6	6	LB	120	138	291.5	145	11.1
0231F	K03-127091	P11C	11467-2390/400/410 11467-2710/20/30 11467-3130/40/50	10,520		6	6	SC	122	127	229	134	8
0233F	K03-127095	P11C-2	11461-E0020-A			6	6	SA	122	127	228	134	8
0227F	K03-127088	EM100	11467-1661/62/71/72A	9,419		6	6	SC	124	129.1	236	134	8
0228F	K03-127089	M10-U	11467-2000A/10A/20A/30A	9,880		6	6	SC	127	130.3	236	135.2	8
0238F	K03-137133	K13C	11467-2641A	12,882		2	6	LG	135	153	267	164	12
0211F	K03-137042	EK100 K13D	11467-1080/1650 11467-1910	13,267		2	6	LG	137	153	266.8	164	12.12

TF No.	Label No.	Engine Model	Reference	CC	SEMI/ CR	1Box. Cyl.	No. Cyl.	Type	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)
0212F	K03-137048	EF700,750	11467-1081C/1091B/1480B/1900	16,745		2	8	LG	137	153	247.8	165	12.1
0237F	K03-137131	F17C	11467-1702A	16,745		2	8	LG	139	154	247.8	166	12
0234F	K03-137132	V22C	11467-2130	21,548		2	10	LG	139	156	247.8	167	12.1
0223F	K03-147039	F20C,V25C	11467-2280B/290B/300B 11467-2490A/500A/510A	19,688		4	8	SC	146	152	244.6	159	8
0235F	K03-147044	F20CE	11467-2680A 11467-2690A 11467-2690A	19,688		2	8	SC	146	154	244.6	161	8.5
0224F	K03-157027	F21C,V26C	11467-2650A/60A/70A 11467-3030A/40A/50A			4	8	SC	150	154	244.6	161	8.5

ISUZU

0301F	K03-107098	DA120A	11261-301	6,126		6	6	LF	100	113	220	116	10
0302F	K03-107099	DA120B	11261-287	6,126		6	6	LF	100	113	220	119	8
0304F	K03-107101	DA640B	11261-293	6,373		6	6	LN	102	113	220	119	8
0305F	K03-107102	DA640C	11261-288	6,373		6	6	LN	102	113	228	119	8
0315F	K03-117130	4HE1T	8-97176-7230/40/50/60 8-97176-7231/41/51/61	4,751		4	4	SA	110	115	210	120.7	6
0316F	K03-117131	6HE1	8-94396-3320	7,127		6	6	SA	110	113	210	119.7	6
0306F	K03-117089	4HF1	8-97144-1741/1742 8-97176-7270/7271 8-97176-7280/7281	4,334		4	4	SA	112	115	180	120.7	6
0328F	K03-117167	4HF1-2	8-97144-1740			4	4	SA	112	115	180	121.7	6
0317F	K03-117129	6HH1D 6HK-1	8-94391-6020/30 8-94391-6021/31 8-94393-2731/32	8,226		6	6	SA	115	118	210	123.7	6
0324F	K03-117150	4HJ1	8-94391-6020/30 8-94391-6021/31 8-94393-2731/32	4,751		4	4	SA	115	118	210	123.7	6
0322F	K03-117148	4HG1	8-97144-178	4,751		4	4	SA	115	118	180	123.7	6
0307F	K03-117053	PA/PB1	1-11261-063/064			2	10	LG	115	130	219.25	141.7	10
0308F	K03-117082	10PC1	1-11261-076-1	15,014		2	10	LG	119	133	219.25	143.7	10
0309F	K03-117085	10PC1-TF	1-11261-147	15,014		2	10	LG	119	133	219.25	143.7	10
0310F	K03-117088	10PD1	1-11261-161-2	10,179	CR	2	10	LG	119	133	234.25	143.7	10
0323F	K03-117149	10PD1-2	1-11261-161-2	10,179		2	10	LG	119	133	234.25	143.7	10
0332F	K03-127094	6UZ1	8-98105-8790 8-98112-2300/30			6	6	SC	120	122.5	239.2	129.7	6
0311F	K03-127009	DH100	11261-241/270	10,179		6	6	LA	120	134	280	141	11
0312F	K03-127066	6SD1	1-11261-106-2 1-11261-2980/2990/3000/3010	9,839		6	6	SC	120	123	239.2	129.7	6

TF No.	Label No.	Engine Model	Reference	CC	SEMI/ CR	1Box. Cyl.	No. Cyl.	Type	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)
0345F	K03-117215	6SD1MTC	111261-2140			6	6	SC	117.9	123	239.2	129.7	6
			111261-2150										
			111261-2160										
			111261-2170										
0346F	K03-117214	6SD1MTCX	111261-2280		GT	6	6	SC	117.9	123	239.2	129.7	6
			111261-2290										
			111261-2300										
			111261-2310										
0313F	K03-127011	D920	11261-227/229	9,203		6	6	LC	125	140	256.2	146.5	11
0314F	K03-127012	E110	11261-228	9,203		6	6	LC	125	140	281.2	146.5	11
0327F	K03-127085	10PE1	1-11261-175/286/287/372/373			2	10	SA	127	130.6	233	136.6	6
0347F	K03-137155	6WA1	1-11261-362-1	12,068		6	6	SA	132.9	137	265.5	143.7	6
			1-11261-363-1										
0335F	K03-147045	6WG1TC	1-11261-379-2/380-2			2	6	SC	147	151.6	267	158.2	6
0330F	K03-157026	10TD1	1-11261-183-0			2	10	SC	158	163	270.05	170.7	6
0348F	K03-117223	4HL	8-98014-042-0			4	4	SA	115	118	183	123.7	6
			8-98014-043-0										
			8-97600-240-2										
			8-97600-241-2										

MAZDA

0402S	K03-097120	HA(NEW)	SE01-23-051	2,977	SEMI	4	4	SC	94.5	98.5	189	103.5	3.8
0401F	K03-097071	HA(NEW)	SE01-23-051	2,977		4	4	SC	95	98.5	189	103.5	3.8
0403F	K03-107207	SL	SL01-23-311	3,455		4	4	SC	100	103.5	193.5	108	2.5
0405F	K03-107221	TF	TFY0-10-311/313	4,021		4	4	SC	105.5	108.95	200	114.5	6.1
0404F	K03-107220	TM	TMYO-10-311/313	4,553		4	4	SC	109.02	112.5	202.5	118	6

MITSUBISHI

0501S	K03-097091	4D5 STD	MD050243/050430	2,346	SEMI	4	4	SB	90.1	94.1	164.5	
0502S	K03-097098	4D5 0.5 O/S	MD050431	0.5 O/S	2,346	SEMI	4	4	SB	90.1	94.6	164.5
0503S	K03-097089	4D56 STD	MD168963		2,346	SEMI	4	4	SB	90.1	94.1	167
0504S	K03-097099	4D56 0.5 O/S	MD168964	0.5 O/S	2,346	SEMI	4	4	SB	90.1	94.6	167
0590S	K03-097149	4D56 2.0 O/S	MD103648	2.0 O/S	2,346	SEMI	4	4	SB	90.1	96.1	167
0565S	K03-097167	4D56 3.0 O/S	Original	3.0 O/S	2,346	SEMI	4	4	SB	90.1	97.1	167
0505S	K03-097109	4DR5 STD	31607-02202		2,659	SEMI	4	4	SB	91	95	176
			ME001337									
0506S	K03-097110	4DR5 0.5 O/S	31607-02301	0.5 O/S	2,659	SEMI	4	4	SB	91	95.5	176
0507S	K03-097079	4DR5 2.0 O/S		2.0 O/S	2,659	SEMI	4	4	SB	91	97	176

TP No.	Label No.	Engine Model	Reference	CC	SEMI/ CR	1Box. Cyl.	No. Cyl.	Type	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)
0566S	K03-097169	4DR5 3.0 O/S	3.0 O/S	2,659	SEMI	4	4	SB	91	98	176		
0591S	K03-097148	4M40	Original	2,835	SEMI	4	4	SB	94.3	98.5	192		
0567S	K03-097170	4M40 0.5 O/S	Original 0.5 O/S	2,835	SEMI	4	4	SB	94.3	99	192		
0546F	K03-097011	6DS1(NEW)	ME020306	4,678		6	6	LB	95	108	191.2	115	10
0508F	K03-097026	6DS7(OLD)	ME024161 ME021843/44 ME021162,ME023700	5,430		6	6	LL	98	110	201.2	117	10
0509F	K03-097049	6DS7(NEW)	ME029081 ME029180	5,430		6	6	LL	98	110	206.2	117	10
0510S	K02-100036	4D30 STD	ME011513 ME011528/29	3,298	SEMI	4	4	SB	99	104	196.5		
0511S	K02-100040	4D30 0.5 O/S	ME011523 0.5 O/S	3,298	SEMI	4	4	SB	99	104.5	196.5		
0512S	K03-107136	4D31T	ME011604 ME011625/26	3,298	SEMI	4	4	SB	99	104	191.5		
0537S	K03-107228	6D31	ME011604		SEMI	6	6	SB	99	104	191.5		
0513S	K03-107171	4D32	ME012900	3,567	SEMI	4	4	SB	103	107	192		
0514S	K03-107190	4D32 STD	ME017360	3,567	SEMI	4	4	SB	103	108	191		
0515S	K03-107191	4D32 0.5 O/S	ME017361 0.5 O/S	3,567	SEMI	4	4	SB	103	108.5	191		
0568S	K03-107246	4D32 2.0 O/S	Original 2.0 O/S	3,567	SEMI	4	4	SB	103	110	191		
0516S	K03-107155	4D34 STD	ME013366	3,907	SEMI	4	4	SB	103	108	197.5		
0517S	K03-107177	4D34 0.5 O/S	ME013367 0.5 O/S	3,907	SEMI	4	4	SB	103	108.5	197.5		
0533S	K03-107229	6D34	ME013366		SEMI	6	6	SB	103	108	197.5		
0518F	K03-107104	6D10	ME031502/4	5,974		6	6	LE	105	119	205.8	126	10
0519F	K03-107105	6D11	ME031039 ME031505/07	6,754		6	6	LE	105	119	228.3	126	10
0520S	K03-107192	4D33	ME014660	4,214	SEMI	4	4	SB	107	111.3	197.5		
0575S	K03-107211	4D33 0.5 O/S	ME014661 0.5 O/S	4,214	SEMI	4	4	SB	107	111.8	197.5		
0569S	K03-117226	4D35	ME997120		SEMI	4	4	SB	109	114	198		
0522F	K03-117060	6D14	ME031617 ME031453/071174	6,557		2	6	LG	110	122	206	131	10
0523F	K03-117076	6D14T	ME071175 ME071199	6,557		2	6	LG	110	122	211	131	10
0521F	K03-117015	6DB	ME040040	8,553		2	6	LA	110	125	270	135	11.8
0524F	K03-117057	6D15	ME031654	6,919		6	6	LJ	113	125	206	133	10
0525F	K03-117072	6D15A	ME071041/42~44	6,919		6	6	LJ	113	125	206	133	10
0526F	K03-117078	6D15T	ME071062/63/64	6,919		6	6	LB	113	125	211	133	10
0527F	K03-117086	6D15T2	ME071086/87~92	6,919		6	6	SC	113	117	206	125	8
0594F	K03-117162	4M50T	ME221680/81~84 ME240319~322			4	4	SC	114	118	199.1	124	6
0564S	K03-117224	4M51	Original		SEMI	4	4	SB	117.5	122	208		
0528F	K03-117080	6D16	ME071224/25~30	7,545		6	6	SA	118	122	204.5	128	8
0529F	K03-117092	6D16T	ME041102~7	7,545		6	6	SC	118	122	206	128	8
0543F	K03-117132	6D17	ME071537/38~43	7,545		6	6	SA	118	122	209	128	8

TF No.	Label No.	Engine Model	Reference	CC	SEMI/ CR	1Box. Cyl.	No. Cyl.	Type	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)
0595F	K03-117163	6M60T	ME302321/22~27 ME071936/37~42	7,545		6	6	SC	118	122	210.5	128	8
0530F	K03-127042	6D20	ME051157~9	10,308		2	6	LJ	125	143	261.3	153	11.5
0531F	K03-137056	6D22	ME051219/20~22	11,149		2	6	LJ	130	147	261.75	156	11.5
0532F	K03-137069	6D22 NEW	ME051500/01~03 ME051633	11,149		2	6	LJ	130	147	261.75	156	11.5
0535F	K03-137032	DC2,4,7 OLD	31207-43402/202	13,273		2	8	LJ	130	147	229.3	157	11.8
0534F	K03-137025	8DC-4,7	31207-72603/503	13,273		2	8	LJ	130	147	229.3	157	11.8
0552F	K03-137141	8DC82	ME352249/50~52 ME092183/84~86	14,886		2	8	LM	135	154	229.7	163	11.8
0553F	K03-137142	8DC91	ME352233/34~6 ME092187/88~90	16,031		2	8	LM	135	154	259.7	163	11.8
0554F	K03-137143	8DC9T-2	ME352241		CR	2	8	LM	135	154	259.7	163	11.8
0562F	K03-137153	6D40	ME120025~ME120030	13,023		6	6	SC	135	140	260.3	149	9
0563F	K03-137154	6M7	ME180960~ME180965	13,023		6	6	SC	135	140	260.6	149	9
0555F	K03-137144	8DC10	ME062783/856~858 ME352225		CR	2	8	LL	138	154	259.7	163	11.8
0556F	K03-137145	8DC10-2	ME062783/856~858 ME352225	16,752		2	8	LJ	138	154	259.7	163	11.8
0557F	K03-147049	8DC11	ME060439/40~42 ME352229	16,752	CR	2	8	LG	142	153	259.7	163	15.0
0558F	K03-147050	8DC11-2	ME060439/40~42 ME352229	16,752		2	8	LG	142	153	259.7	163	15
0561F	K03-147057	8M22T	ME353321~23		CR	2	8	LB	142	169	257.3	178	11.8
0559F	K03-147051	8M20-3	ME356657/58~60			2	8	LB	146	169	258.3	178	11.8
0536F	K03-147041	8M20-NEW	ME352218~21			2	8	LC	146	169	258.3	178	11.8
0560F	K03-157030	8M21-2	ME352199/200~202			2	8	LB	150	169	258.3	178	11.8

NISSAN

0603S	K03-087062	SD25	11012-L2004	2,488	SEMI	4	4	SA	88.5	92	172	98	5
0602F	K03-087044	SD23	11012-L2002	2,289		4	4	SA	89	92	172	98	5
0605F	K03-087063	TD23 FINISH	11012-O2N17	2,289		4	4	SA	89	92	160	98	5
0606S	K03-097092	BD25/TD25 SEMI	11012-87G40 11012-44G40	2,494	SEMI	4	4	SA	92.4	95.9	160	101.9	5
0607F	K03-097093	BD25/TD25	11012-87G00 11012-44G10	2,494		4	4	SA	92.9	95.9	160	101.9	5
0642S	K03-097136	BD30 SEMI	11012-54T40		SEMI	4	4	SA	95.5	99	172.5	105	5
0623F	K03-097135	BD30	11012-54T00			4	4	SA	96	99	172.5	105	5
0608S	K03-097094	TD27 SEMI	11012-2S040 11012-43G10	2,633	SEMI	4	4	SA	95.5	99	160	105	5
0609F	K03-097095	TD27	11012-2S000	2,633		4	4	SA	96	99	160	105	5

TP No.	Label No.	Engine Model	Reference	CC	SEMI/ CR	1Box. Cyl.	No. Cyl.	Type	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)
0610S	K03-097131	TD42 SEMI	11012-06J45	4,169	SEMI	6	6	SA	95.5	99	164	105	5
0611F	K03-097132	TD42	11012-06J00	4,169		6	6	SA	96	99	164	105	5
0612F	K03-107200	FD6	11012-Z5573	5,654	CR	6	6	LJ	100	112	212	118	8
0646F	K03-107231	FD42	11012-0T000/1			4	4	SC	108	111	198	116	8
0613F	K03-107176	FE6	11012-Z5518/9	7,000		6	6	SC	108	111	220	116	8
0614F	K03-107187	FE6TA	11012-Z5604 11012-Z5605	7,000		6	6	SC	108	111	217	116	8
0615F	K03-107188	FE6T A500FE	11012-Z5616 11012-Z5617	7,000		6	6	SC	108	111	212	116	8
0645F	K03-117169	ND6	11012-95065	6,842		6	6	SC	110	115	229	121	3
0669F	K03-117227	NE6	11012-95005/6			6	6	SC	110	115	229	119	3
0726F	K03-117229	NE6TA				6	6	SC	110	115	229	121	3
0660F	K03-107241	FD46	11012-0T300 11012-0T301 11012-Z5616 11012-Z5617			4	4	SC	108	111	212	116	8
0647F	K03-127098	MD92TCI	11012-Z6008/9			6	6	SC	125	129	200.7	135	8
0648F	K03-127099	MD92	11012-Z6004/5 11012-Z6012/13/16/17			6	6	SC	125	129	205.7	135	8
0616F	K03-127032	PD	11012-96000 11012-96001	10,308		6	6	SC	125	130	259	134	3
0617F	K03-137016	PE PE6	11012-96500 11012-96501	11,670		6	6	SC	133	138	259	142	3
0643F	K03-137114	PE	11012-96502/3	11,670		6	6	SC	133	138	259	142	3
0618F	K03-137092	PF,PE6T	11012-96575 11012-96576	12,000		6	6	SC	133	138	259	144	3
0619F	K03-137022	RD	11012-97009	14,313		2	8	LJ	135	153	242.84	161	8.14
0621F	K03-137071	RD-8	11012-97165	14,313	CR	2	8	LJ	135	153	242.84	161	8.14
0620F	K03-137062	RD INN.GR.	11012-97062/77	14,313		2	8	LJ	135	153	242.84	161	8.14
0625F	K03-137103	RE8	11012-97202	15,000	CR	2	8	LJ	135	153	235.84	161	11.14
0650F	K03-137134	RE8-2	11012-97202	15,000		2	8	LJ	135	153	235.84	161	11.14
0644F	K03-137118	GE	11012-00Z11/13	13,000	CR	2	6	LJ	136	157.5	243.6	166.5	9.65
0651F	K03-137135	GE-2	11012-00Z11/13	13,000		2	6	LJ	136	157.5	243.6	166.5	9.65
0622F	K03-137102	RF8TA	11012-97200	16,991	CR	2	8	LJ	138	159	235.84	167	11.14
0649F	K03-137122	RF8TA-2	11012-97200	16,991		2	8	LJ	138	159	235.84	167	11.14
0661F	K03-137156	RF8TI	11012-97272~74			2	8	LJ	138	159	235.84	167	11.14
0631F	K03-147032	RG8	11012-97269	17,990	CR	2	8	LJ	142	159	235.84	167	11.14
0652F	K03-147046	RG8-2	11012-97269	17,990		2	8	LJ	142	159	235.84	167	11.14
0632F	K03-157021	RH8	11012-97261	21,205		2	8	SC	150	155	246.2	161	8

TF No.	Label No.	Engine Model	Reference	CC	SEMI/ CR	1Box. Cyl.	No. Cyl.	Type	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)
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TOYOTA

0723S	K03-077027	2E	Original		SEMI	4	4	SB	71.5	77	138		
0721S	K03-087074	2C	Original	2,000	SEMI	4	4	SB	85.5	90	180		
0701S	K03-087064	1DZ	11461-78200/1-71	2,184	SEMI	4	4	SA	85.6	89	175	94	5
0702S	K03-087070	2J	11461-48011	3,576	SEMI	4	4/6	SC	87.6	93	183.7	98	2.5
0703S	K02-090071	L	11461-54010	2,188	SEMI	4	4	SC	89.6	94	160.5	101	3.5
0704S	K03-097121	2HK	11461-68010	3,980	SEMI	6	6	SC	90.6	95	183.7	101	2.5
0705S	K03-097087	2L	Original	2,446	SEMI	4	4	SA	91.6	96	160.5	101	3
0706F	K03-097122	2L	Original	2,446		4	4	SA	92	96	160.5	101	3
0708S	K03-097101	1HZ	Original	3,576	SEMI	6	6	SA	93	97	168	103	4
0709S	K03-097127	B	11461-56010	2,997	SEMI	4	4	SC	94.6	100	190.2	108	2.5
0710S	K03-097128	B	11461-56020	2,997	SEMI	4	4	SC	94.6	102	190.2	108	2.5
0711S	K03-097129	B	11461-56030	2,997	SEMI	4	4	SC	94.6	99	191.2	105	2.5
0712S	K03-097100	3L	Original	2,779	SEMI	4	4	SA	95	99	153	105	3
0713F	K03-097123	3L	Original	2,779		4	4	SA	96	99	153	105	3
0714S	K03-097105	1Z	11461-78300/3-71	2,977	SEMI	4	4	SA	95.6	100	182.5	106	8
0716S	K03-097104	2Z	11461-78700/1-71		SEMI	4	4	SA	97.6	101	181.5	107	5
0715S	K03-097130	2B	11461-57010	3,168	SEMI	4	4	SC	97.6	102	190.2	108	2.5
0722S	K03-107213	14B	11461-58040	3,660	SEMI	4	4	SB	101.5	106	192		
0717S	K03-107139	3B(OLD)	11461-58010	3,431	SEMI	4	4	SC	101.6	106	187.7	112	2.5
0718S	K03-107203	3B,13B	11461-58020	3,431	SEMI	4	4	SC	101.6	106	190.2	112	2.5
0720F	K03-107180	2D	11461-77040	6,494		6	6	LE	105	115.5	242	120	10
0719F	K03-107179	2D(NEW)	11461-77021	6,494		6	6	LE	105	115.5	233.3	121	10

TOYOTA

MERCEDES

0804F	K03-137168	OM501LA	003 WN 38 01			6	6	LG	130	150.01	258	164.1	10.12
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DOOSAN

0801F	K03-107242	DB58				6	6	SA	102	106	204	111.8	4
0802F	K03-127107	DOOSAN D2366	65.01201-0051			6	6	SA	123	127	269	133	8
0803F	K03-127108	DOOSAN DE12T	65.01201-0072A 150117-00046			6	6	SA	123	127	269	134	8

OTHERS

NUMERICAL LISTING

(Reference No.)

Reference	Engine Model	TP No.	Page
005 26 NO	OM501LA	50092	108
0107-11-999	UA	33724	39
0211-23-999	PC	33711	39
0222-23-130	UB,VB	33714	40
0222-23-206	UB,VB	33714	40
0249-23-170A	PB	33715	39
0249-23-206	PB	33715	39
0259-23-170A	PB	33715	39
0259-23-206	PB	33715	39
0268-23-170	PC	33711	39
0268-23-170A	PC	33711	39
0268-23-206	PC	33711	39
0271-23-206	PC	33711	39
0290-23-130	VB,NA	33719	40
0305-23-130	VB,NA	33719	40
0317-23-130	PC	33711	39
0317-23-175	PC	33711	39
0324-23-130	TC	33717	39
0324-23-175	TC	33717	39
03C198151E	POLO BTS	50093	110
04130-47010	3NR	36032	82
0453-23-130	VC	33728	41
0453-23-130B	VC	33728	41
0484-23-130	VB,NA	33719	40
0494-23-130	VB,NA	33719	40
0527-23-206	XB	33730	42
0528-23-206	XB	33730	42
0552-23-180	VA	33725	41
0552-23-190	VA	33725	41
0556-5305882/5788	FAW	80017	113
0559-23-206	XA	33721	42
0559-23-207	XA	33721	42
0571-23-170	UA(NEW)	33726	40
0571-23-180	UA(NEW)	33726	40
0603-23-170A	UA	33724	39
0603-23-999	UA	33724	39
06-113500-00	PUMA	50053	107
0636-23-206	XA	33721	42
0636-23-207	XA	33721	42
0636-23-210	XA	33721	42
06B198151A	SKODA 81	50066	111
0727-23-206	YA	33723	42
0727-23-207	YA	33723	42
0727-23-210	YA	33723	42

Reference	Engine Model	TP No.	Page
0728-23-206	YA	33723	42
0728-23-207	YA	33723	42
0784-23-206	ZB	33731	43
08-125600-00(GOETZE)	Z16XE	50087	108
0K2Y3-11-SCO	CARENS	43020	104
0K3Y0-11-SCO	B3	43012	104
0K3Y2-11-SCO	B3	43012	104
0K3Y3-11-SCO	SPECTRA 1.6	43025	104
0K9YV-11-SCO	2.5EGI	43019	104
1-12121-011/cyl	DA640T	32546	32
1-12121-013/cyl	D920	32541	37
1-12121-015/cyl	E120H	32543	38
1-12121-016/cyl	DH100A	32519	36
1-12121-017/cyl	DH100-H	32567	36
1-12121-018/cyl	8MA-1	32550	38
1-12121-019/cyl	8MA-1	32550	38
1-12121-021/cyl	D920	32522	36
1-12121-022/cyl	D920	32522	36
1-12121-023/cyl	E120	32525	37
1-12121-024/cyl	E120H	32543	38
1-12121-025-0/cyl	V170	32526	38
1-12121-028/cyl	6QA-1	32568	37
1-12121-037-0/cyl	6RB-1,2	32585	37
1-12121-040-0/cyl	6RB-1,2	32585	37
1-12121-043/cyl	10PB-1	32562	36
1-12121-046/cyl	6QA-1	32568	37
1-12121-047-0/cyl	10PC-1	32582	36
1-12121-048-0/cyl	10PC-1	32582	36
1-12121-052/cyl	6BF-1	32559	33
1-12121-052/cyl	6BF-1	62559	33
1-12121-062-0/cyl	10PC-1A	32584	36
1-12121-063-0/cyl	10PC-1A	32584	36
1-12121-063-2/cyl	10PD1	32603	36
1-12121-065-0/cyl	6BG1	32597	33
1-12121-070-0/cyl	6SA-1	32580	35
1-12121-075-0/cyl	6SA-1	32580	35
1-12121-087-0	6BD1	32643	31
1-12121-094-1/cyl	6SD1	32637	36
1-12121-096-0/cyl	6QB2	32633	37
1-12121-102-1/cyl	6RB-T	32610	37
1-12121-113-0/cyl	6SA-1	32580	35
1-12121-115-0/cyl	6BG1-TC	32626	33
1-12121-117/cyl	6WA1TC	32641	37
1-12121-127/cyl	6WA1TC	32641	37

Reference	Engine Model	TP No.	Page
1-12121-129-1	10PE-1	32642	37
1-12121-136/cyl	6WA1TC	32641	37
1-12121-138-1/cyl	10TD1	32697	38
1-12121-139-0/cyl	6WA1TC	32662	37
1-12121-141-0/cyl	6WA1TC	32662	37
1-12121-143-0	6WG1-TC	32699	38
1-12121-144-0	6WG1-TMC	32698	38
1-12121-146-0	6BG1T	32681	34
1-12121-146-0	6BG1T	32695	34
1-12181-001/cyl	DH100A	32519	36
1-12181-005/cyl	DA120A	32517	31
1-12181-005/cyl	DA120A	32688	31
1-12181-006-0/cyl	DA220A	32540	31
1-12181-008-0/cyl	V170	32526	38
1-12181-011/cyl	8MA-1	32550	38
1-12181-016/cyl	10PA-1	32548	35
1-12181-022/cyl	E120H	32543	38
1-12181-032/cyl	8MA-1	32550	38
1-12181-033/cyl	DA640A	32518	32
1-12181-034-0/cyl	DA640PP	32625	32
1-12181-035/cyl	DA640T	32546	32
1-12181-036/cyl	DA120A	32517	31
1-12181-036/cyl	DA120A	32688	31
1-12181-038-0/cyl	DA220A	32540	31
1-12181-049/cyl	DH100-H	32567	36
1-12181-050/cyl	DH100	32508	36
1-12181-058/cyl	10PB-1	32562	36
1-12181-060/cyl	10PA-1	32548	35
1-12181-061/cyl	10PB-1	32562	36
1-12181-068/cyl	DH100	32508	36
1-12181-069/cyl	10PB-1	32562	36
1-12181-087/cyl	DA120A	32517	31
1-12181-087/cyl	DA120A	32688	31
1-12181-109/cyl	DA120A	32517	31
1-12181-109/cyl	DA120A	32688	31
1-12181-111-0/cyl	DA220A	32540	31
1-12181-128/cyl	DA120A	32517	31
1-12181-128/cyl	DA120A	32688	31
1-19163-027-0	6BG1	80013	112
1110A436	4B11	33991	50
1110A497	6G75	33993	54
1110A561	4D56 TDI	33979	51
1110A822	4B12	33992	51
1110A851	4M41-TI	33956	55

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1110A937	6G72-S4(NEW)	33409	52
1110B098	4G94-S4	33966	49
1110B099	4G94-S4	33966	49
1110B100	4G94-S4	33966	49
1110B180	6G72 BK	33430	52
1110B302	4M41-DID	33422	55
1110B435	6B31	33977	51
1110B571	6G75	33993	54
1110B587	6G74-FFV 93	33412	53
1110B654	4M41-PSU	33423	55
1110B685	3G83	33460	44
1110B795	4B10	33417	50
1110B806	6G75	33993	54
1110B934	4N13	33996	49
1110B977	4D56(D4)	33454	51
1110C103	4B10	33417	50
1110C162	4B12	33992	51
12033-01B05	MA10	34090	61
12033-01B10	MA10	34090	61
12033-01B11	MA10	34090	61
12033-01E00	CA18	34063	64
12033-01E10	CA18	34063	64
12033-01F00	CA18	34063	64
12033-01L00	L20A-2	34059	63
12033-01M01	E13	34053	62
12033-01M02	E13	34053	62
12033-01M10	E13	34053	62
12033-01M12	E13	34053	62
12033-01T10	FD35	34094	73
12033-01T60	FD35T	34093	73
12033-01W60	J15	34031	63
12033-01W61	J15	34031	63
12033-01W62	J15	34031	63
12033-02N00	TD23	34105	70
12033-02N10	TD23	34105	70
12033-02N11	TD23	34105	70
12033-02P10	VG30	34065	68
12033-03J00	TB42	34087	71
12033-03P00	VG30	34065	68
12033-03P10	VG30	34065	68
12033-04E00	CA20	34056	66
12033-04E10	CA20	34056	66
12033-04W00	Z20-3	34068	67
12033-05B10	GA13DS	34144	61

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12033-05B11	GA13DS	34144	61
12033-05D01	TD42T	34102	71
12033-06E00	CA16S	34062	63
12033-06E10	CA16S	34062	63
12033-06J10	TD42	34098	71
12033-06J11	TD42	34098	71
12033-06W10	Z22	34050	68
12033-06W20	Z22	34050	68
12033-0T011	FD42	34120	73
12033-0W000	VG33	34132	70
12033-0W010	VG33	34132	70
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13011-676-005/cyl	EK	32357	22
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8-94244-404-0/cyl	G180-2	32572	26
8-94247-867-0/cyl	4JA-1	32575	29
8-94247-867-0/cyl	4JA-1	62575	29
8-94247-867-0/cyl	4JB1	32612	29
8-94249-218-0/cyl	G180-2	32572	26
8-94250-730/cyl	4FD1	32650	28
8-94253-736-0/cyl	C223-2	32574	28
8-94332-767-1/cyl	4EC1	32589	25
8-94370449-0	4JG2-2	32691	30
8-94378-440-0/cyl	3KR1	32592	25
8-94379-486-0/cyl	4JG1	32636	30
8-94381-709-1/cyl	4EE1,4EE2	32613	25
8-94390-529-1/cyl	6HE1-TC	32638	34
8-94390-799-0/cyl	6HH1	32627	35
8-94390-799-0/cyl	6HH1	32646	35
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8-94411-295-1/cyl	3KC1	32588	25
8-94411-305-0/cyl	3KB1	32586	25
8-94418-918-0/cyl	4BE-1	32602	33
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8-97080-215-0/cyl	4JG2	32607	30
8-97105-867-0/cyl	4HK1-TC	32631	34
8-97105-867-0/cyl	4HK1/6HK1	32682	35
8-97109-462-0/cyl	4HF1	32604	34
8-97113-503-0/cyl	3LD1	32622	26
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8-97117-686-0/cyl	4BD2	32639	32
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8-97219-054-0/cyl	4HK1-TC	32631	34
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8-97331-641-0/cyl	4HL	32658	35
8-97371-553-0/cyl	6VE1	32628	29
8-97388-734-0/cyl	4JJ1	32634	30
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8-97941-122-0/cyl	4JH1	32623	30
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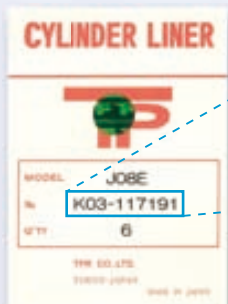
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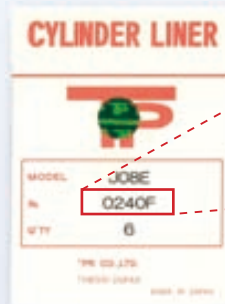


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K03-117191

NEW



0240F

TPR has revised the design of our Product Packaging and amended the Part Numbers displayed on the Labels of our CYLINDER LINERS.

TPR CO.,LTD.

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TPR CO.,LTD.

Head Office : 1-6-2, MARUNOUCHI, CHIYODA-KU, TOKYO
100-0005, JAPAN
Phone: +81-3-5293-2817 FAX: +81-3-5293-2826
<Overseas Sales Dept.>
U R L : <http://www.tpr.co.jp/>