

A decorative graphic on the left side of the cover, consisting of several horizontal rows of green, wavy, parallel lines that create a sense of motion or a stylized wave pattern.

TP

**PISTON RINGS,
CYLINDER LINERS
CATALOG**

Vol. 17

TPR

THE BEST FOR ENGINES!

TPR CO.,LTD.
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TP



MADE IN JAPAN



TP

**BEST FOR
KOREAN CARS
MADE IN JAPAN**



TPR CO.,LTD

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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.

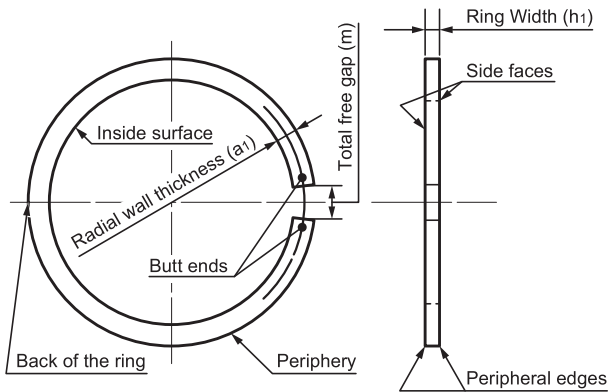
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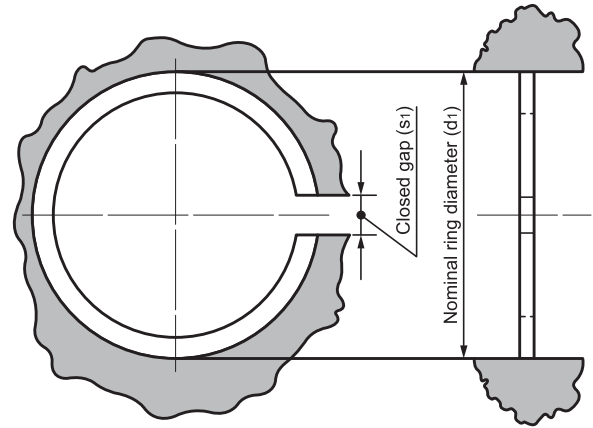
PISTON RINGS

Piston Rings Details, Identification and Location

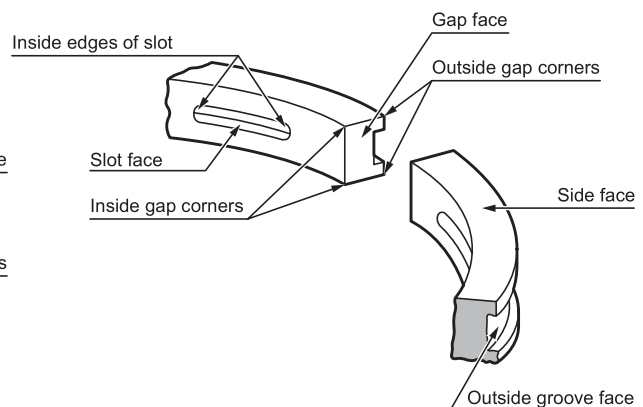
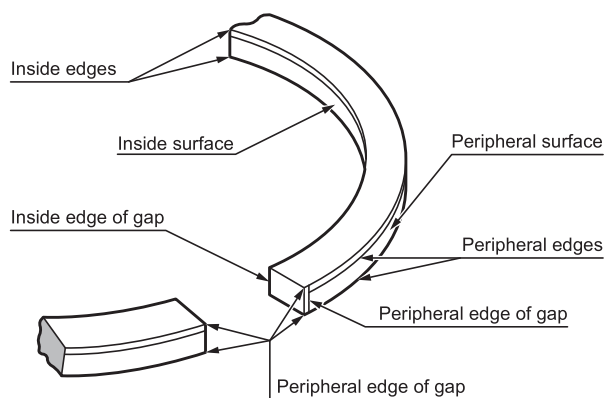
Nomenclature and symbols under free state



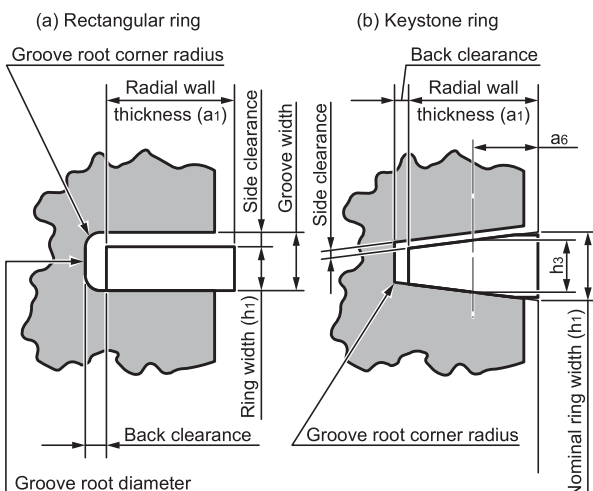
Nomenclature and symbols under mounted state



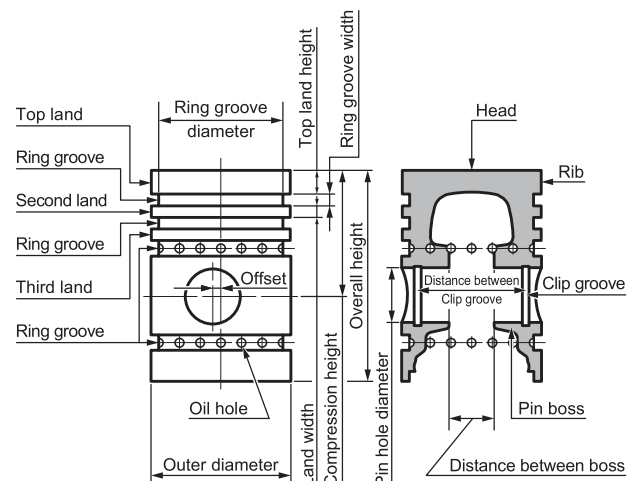
Nomenclature of edges, inside and peripheral surfaces and side face



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

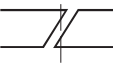
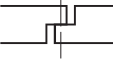


Nomenclature of parts (Piston)



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
31065	3F	1KR-VE	Produa,Bezza,Toyota Agya Daihatsu Ayla.Toyota Wigo			1,000	3	71.0 × 1.0 × 2.3	BF	ST	NT NT	13011-BZ150
							2	71.0 × 1.0 × 2.3	TF	ST	FE FE	
							O	71.0 × 2.0 × 2.2	3F	ST	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	
31066	3F	14M-1KR				3	T	71.0 × 1.2 × 2.3	BF		ST	NT	NT	13011-40070	
							2	71.0 × 1.0 × 2.3	TF		ST	FE	FE		
							O	71.0 × 2.0 × 2.2	3F		ST	NT	NT		
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 1cyl/set	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(DAIHTSU) 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-BZ040		
						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 S88	Charade	1,000	3	T	76.0 × 1.5 × 2.95	BF		ST	NT	NT	13011-87727		
						2	76.0 × 1.5 × 3.1	TF		FC	CH	PH			
						O	76.0 × 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	
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	
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 DIESEL	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 DIESEL	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 DIESEL	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 DIESEL	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 DIESEL	DL	Taft 4 Wheel-DriveF50 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
															13011-87320
31032	2FAC DIESEL	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 DIESEL	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 Outside Upper/Lower	Reference
32211	PS DIESEL	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 SF	FC	CH PH	
			BM320,RM100				O	90.0 × 4.0 × 3.7	1F SF	FC	PH PH	
			Tractor HM300,HM301									
32203	PS DIESEL	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 SF	FC	PH PH	
							O	92.0 × 4.0 × 3.9	1F SF	FC	CH PH	
32204	PS DIESEL	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	SF SP	FC	PH PH	13019-1140A(cyl)
			Bus				O	97.0 × 4.0 × 4.3	1F SF	FD	CH PH	
			RL100,AM100,200				O	97.0 × 4.0 × 4.3	1F SF	FC	PH PH	
			Tractor HL300,KJ300									
32258	2F DIESEL	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 SF	ST	NT NT	
32304	2FAC DIESEL	N04C	Dutro		4,009	4	T	104.0 × 2.5 × 3.75	BF	ST	PT NT	S1304-E0020
							2	104.0 × 2.0 × 3.7	TF	ST	NT NT	
							O	104.0 × 4.0 × 4.3	2F	ST	NT NT	
32296	2F DIESEL	N04C/W04D				4	T	104.0 × 2.806 × 3.7	K 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 SF	ST	NT NT	
32277 1cyl/set	2FAC DIESEL	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 SF	ST	CH FE	13011-2270C 13011-2550B 13019-1160A(cyl)
32286 1cyl/set	2FAC DIESEL	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 SF	ST	CH FE	13019-1180A(cyl)
32235	2F DIESEL	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 SF	FD	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
32287 1cyl/set	2F DIESEL	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 SF	ST	NT NT	13019-1190A(cyl)
32236	2F DIESEL	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 SF	FD	CH PH	13011-2440
32273 1cyl/set	2F DIESEL	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				2	104.0 × 2.0 × 4.3	TF ST	FC	PH PH	13011-2540
					5,759	6	O	104.0 × 5.0 × 5.1	2F SF	FD	CH PH	13011-1983
												13011-2420 13011-2440
32201	PS DIESEL	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 1F	FC	CH PH	
			Tractor				O	105.0 × 4.5 × 4.2	1F 1F	FC	PH PH	
32222	PSBC DIESEL	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 SF	FD	CH PH	
			Bus				O	105.0 × 4.0 × 4.3	1F SF	FC	PH PH	
			BX320,AM101									
32206	2F3PS DIESEL	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 SF	FC	CH PH	
			Bus				O	108.0 × 4.0 × 4.85	1F SF	FC	PH PH	
			RD300,RL300,320									
32255	2FAC DIESEL	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 SF	ST	CH FE	
32237	2F DIESEL	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 SF	FD	CH PH	
32261	2FAC DIESEL	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 SF	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	Truck		7,982	6	T	110.0 × 3.0 × 4.5	TF		FC	CH	PH	13011-1230	
	DIESEL	DS60	TA14,14D,TC51				2	110.0 × 3.0 × 4.5	TF		FC	PH	PH	13011-1250	
		DS80	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	SF	FC	CH	PH	13011-1650	
			Bus				O	110.0 × 4.5 × 4.5	1F	SF	FC	PH	PH	13011-1680	
			BD15,15P,35,35P											13011-1830	
			BG13,BG13,BH15												
			BT51,71,100H												
RB10,10P,120,120P															
32239	2F3PS	EH700	Ranger FD174,175,176		6,443	6	T	110.0 × 3.0 × 4.1	BF		ST	CH		13011-1610B	
	DIESEL	H07C	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	SF	ST	NT	NT	13011-2090	
			KR305,325,365,LB595												
			FD171,172,174,175,176												
			Bus												
RD300,301,RJ170,171,172															
RL320															
32247	2FAC	H07C-T	Truck		6,728	6	T	110.0 × 2.81 × 3.9	K	BF	ST	NT	NT	13011-2672	
	DIESEL		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	SF	ST	NT	NT		
32256	2FAC	H07C-T-N	Truck		6,728	6	T	110.0 × 2.81 × 3.9	K	BF	ST	NT	NT		
	DIESEL		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	SF	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	
	DIESEL						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	SF	ST	NT	NT		
32254	2FAC	H07D	Ranger		7,412	6	T	110.0 × 3.0 × 4.1	BF		ST	CH	PH	13011-2651	
	DIESEL		FD,FG,GD				2	110.0 × 2.0 × 4.1	TF		ST	NT	NT	13011-2650	
							O	110.0 × 4.0 × 4.2	2F	SF	ST	NT	NT	13011-2660	
32301	2FAC	H07D-2				6	T	110.0 × 3.0 × 4.35	BF		FD	CH	CH	13011-2651	
	DIESEL						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	
	DIESEL						2	112.0 × 2.0 × 4.1	TF		ST	NT	NT	S1304-E0150(cyl)	
							O	112.0 × 4.0 × 4.1	2F	SF	ST	NT	NT		
32297 1cyl/set	2FAC	J05D-TB	Ranger		5,000	4	T	112.0 × 2.5 × 4.1	BF		ST	NT	NT	13011-E190	
	DIESEL						2	112.0 × 2.0 × 4.1	TF		ST	NT	NT	S1304-E0150(cyl)	
							O	112.0 × 4.0 × 4.1	2F	SF	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			
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		NT		NT				
	O						112.0 × 4.0 × 4.1		2F	SF	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	SF		ST	NT	NT			
32271	2FAC	J05C	Ranger, Dutro		5,307	4	T	114.0 × 2.5 × 4.1	BF			ST	NT	NT	13011-3880A		
	DIESEL		Melpha, Liesse	2	114.0 × 2.0 × 4.1		TF		ST	NT	NT		13011-3940A				
				O	114.0 × 4.0 × 4.1		2F	SF	ST	NT	NT		13019-1010B(cyl)				
																	S1304-E0210
															13011-3221A		
																13019-1370A(cyl)	
32298	2FAC	J05C	Ranger, Dutro		5,307	4	T	114.0 × 2.5 × 4.1	BF			ST	NT	NT	13011-3880A		
	1cyl/set		DIESEL	Melpha, Liesse	2		114.0 × 2.0 × 4.1		TF		ST		NT	NT	13011-3940A		
					O		114.0 × 4.0 × 4.1		2F	SF	ST		NT	NT	13019-1010B(cyl)		
																	S1304-E0210
															13011-3221A		
																13019-1370A(cyl)	
32270	2FAC	J05C-3	Ranger, Dutro		5,307	4	T	114.0 × 3.0 × 4.5	BF			FD	CH	PH	13011-3391B		
	DIESEL		Melpha, Liesse	2	114.0 × 2.0 × 4.1		TF		ST	NT	NT		13019-1380A(cyl)				
				O	114.0 × 4.0 × 4.1		2F	SF	ST	NT	NT						
32269	2FAC	J07C-3	Ranger		6,634	5	T	114.0 × 3.0 × 4.5	BF			ST	NT	NT	13011-3371B		
	DIESEL						2	114.0 × 2.0 × 4.1		TF			ST	NT	NT	13011-3371A	
							O	114.0 × 4.0 × 4.1		2F	SF		ST	NT	NT	13019-1380A(cyl)	
32300	2FAC	J08C-5				6	T	114.0 × 3.0 × 4.5	BF			FD	CH	PH	13011-2960		
	DIESEL						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		
	1cyl/set						DIESEL	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		7,961	6	T	114.0 × 2.5 × 4.1	BF			ST	NT	NT	13011-3570A		
	DIESEL		Ranger	2	114.0 × 2.0 × 4.1		TF		ST	NT	NT		13011-3820A				
			Rainbow	O	114.0 × 4.0 × 4.15		2F	SF	ST	NT	NT		13011-3890B				
																13019-1010B(cyl)	
32268	2FAC	J08C-3	Selega		7,961	6	T	114.0 × 3.0 × 4.5	BF			FD	CH	PH	13011-2960A		
	DIESEL		Ranger	2	114.0 × 2.0 × 4.1		TF		ST	NT	NT		13011-2961A				
			Rainbow	O	114.0 × 4.0 × 4.1		2F	SF	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		
	DIESEL						2	114.0 × 2.0 × 4.1		TF			ST	NT		NT	
							O	114.0 × 4.0 × 4.2		2F	SF		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	
32259	2FAC	S05C			5,307	4	T	114.0 × 2.5 × 4.1	BF			ST	NT	NT	13011-3731A
	DIESEL					2	114.0 × 2.0 × 4.1	TF			ST	NT	NT	13011-78031	
						O	114.0 × 4.0 × 4.15	2F	SF	ST	NT	NT			
32285	2FAC	S05D				4	T	114.0 × 2.5 × 4.1	BF			ST	NT	NT	S1301-14070-B
	DIESEL					2	114.0 × 2.0 × 4.1	TF			ST	NT	NT	S1301-91910-B(cyl)	
						O	114.0 × 4.0 × 4.1	2F	SF	ST	NT	NT			
32215	PS	EB100 DIESEL	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	SF	FD	CH	PH	13011-1780			
			RE100,100P,120,120P,140		O	115.0 × 5.0 × 4.6	1F	SF	FC	PH	PH				
32230	2F	EL100 DIESEL	Truck		7,862	6	T	116.0 × 3.0 × 4.8	BF			FD	CH	PH	13011-1700
	DIESEL		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	SF	FC	CH	PH			
32208	DW	DK10,20 DIESEL (OLD) (NEW) (TURBO)	Truck		10,178	6	T	120.0 × 3.5 × 4.6	BF			FD	CH	PH	3311-1205-05
	DIESEL		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	SF	FC	CH	PH	13011-1280A			
			RC300,300P,320,320P		O	120.0 × 5.0 × 4.6	1F	SF	FD	CH	PH	13011-1290			
			Tractor												
		HE100,HF300,301,HH700													
			720												
32217	2FPS	EB300 DIESEL	Truck		9,838	6	T	120.0 × 3.5 × 4.6	BF			FD	CH	PH	13011-1330
	DIESEL		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	SF	FC	CH	PH	3334-1205-09			
			BG100,HE320,KH120												
			KB112D,304D,394,721												
		ZT300,320													
		Bus													
			RF300,320,400,420												
32231	2F	EB400 DIESEL	Bus		9,838	6	T	120.0 × 3.306 × 4.6	K	BF	FD	CH	PH	13011-1630	
	DIESEL		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	SF	FC	CH	PH			
32282	2FAC	EP100 DIESEL	Super Dolphin		8,821	6	T	120.0 × 3.306 × 4.8	BF			FD	CH	PH	13011-2760
	DIESEL		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	SF	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	Blue Ribbon		10,520	6	T	122.0 × 3.306 × 4.4	K	BF		FD	CH	PH	13011-3110A
	DIESEL	P11B-TI	Super Dolphin				2	122.0 × 2.306 × 4.8	K	TF		FC	CH	PH	13011-3111A
		YF67	Profia				3	122.0 × 2.0 × 4.8		TF	SP	FC	CH	PH	13011-3112A
		YK15					O	122.0 × 4.0 × 4.65	2F	SF		ST	NT	NT	13011-3114A
		YJ70													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
	DIESEL						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	SF		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
	DIESEL						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	SF		ST	CH	FE	
32218	2FPS	ED100	Truck		11,581	6	T	128.0 × 3.5 × 4.8		BF		FD	CH	PH	13011-1470
	DIESEL		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	SF		FC	CH	PH	13011-1670A
			TC302,322,342,362,382,921												3400-1205-09
32219	2FPS	EF100	Truck		13,804	8	T	130.0 × 3.306 × 5.2	K	BF		FD	CH	PH	13011-1180A
	DIESEL	EF100T	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	SF		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	Truck		14,232	8	T	132.0 × 3.3 × 5.2	K	BF		FD	CH	PH	13011-1091A,B
	DIESEL	EF350	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	SF		FC	CH	PH	
			ZM704D,705D,745,764,765												
			Bus												
			RS120,RV761												
32220	2FPS	EG100	Truck		14,886	8	T	135.0 × 3.306 × 5.4	K	BF		FD	CH	PH	13011-1131B
	DIESEL	EF500	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	SF		FC	CH	PH	13011-1460
			ZM500D,540,560,580												13011-2150
			KF585,WP325											13011-2160	
			Bus												
			RV530P,540P,541,550P,561P												
			RS360P												
32251	2FAC	K13C	Truck		12,882	6	T	135.0 × 3.306 × 5.4	K	BF		FD	CH	PH	13011-2410
	DIESEL		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	SF		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
	DIESEL		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	SF		ST	CH	FE	
32306	2F	E13C	S'elega,Profia		12,913	6	T	137.0 × 3.306 × 4.35	K	BF		ST	PV	NT	S1304-E0090
	DIESEL						2	137.0 × 2.814 × 4.9	K	TF	BT	ST	NT	NT	
							3	137.0 × 2.5 × 4.5		BT	SP	ST	NT	NT	
							O	137.0 × 4.0 × 4.4	2F			ST	NT	NT	
32226	2F	EK100	Truck		13,267	6	T	137.0 × 3.306 × 5.4	K	BF		FD	CH	PH	13011-1010
	DIESEL	EK130T					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	SF		FC	CH	PH	13011-1610A(cyl)
			TC303D,343,362,363,383,922											13011-2210A	
			ZC101,121,ZM303,ZR255											13011-2221A	
			WD300												13011-3750B
32292	2F	EK100	Truck		13,267	6	T	137.0 × 3.306 × 5.4	K	BF		FD	CH	PH	13011-1010
	1cyl/set	DIESEL				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	SF		FC	CH	PH	13011-1610A(cyl)
			TC303D,343,362,363,383,922											13011-2210A	
			ZC101,121,ZM303,ZR255											13011-2221A	
			WD300												13011-3750B

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	
32227	2F	EF700	Truck		15,920	8	T	137.0 × 3.306 × 5.4	K	BF		FD	CH	PH	13011-1111
	DIESEL	EF750	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	SF		FC	CH	PH	13011-2170B
															13011-2180
32233	2F	EV700	Truck		19,900	10	T	137.0 × 3.306 × 5.4	K	BF		FD	CH	PH	13011-1740
	1cyl/set DIESEL		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	SF		FC	CH	PH	13011-2200A
															13019-1610A(cyl)
32253	2FAC	K13D	Truck		13,267	6	T	137.0 × 3.306 × 5.4	K	BF		FD	CH	PH	13011-2970
	DIESEL						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	SF		ST	CH	FE	
32293	2FAC	K13D	Truck		13,267	6	T	137.0 × 3.306 × 5.4	K	BF		FD	CH	PH	13011-2970
	1cyl/set DIESEL	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	SF		ST	CH	FE	
32248	2FAC	F17C	FS,FR,RU		17,238	8	T	139.0 × 3.306 × 5.4	K	BF		FD	CH	PH	13011-3150
	DIESEL	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	SF		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
	1cyl/set DIESEL	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	SF		ST	CH	FE	13011-3160
															13019-1700A
32274	2FAC	F17-2				8	T	139.0 × 3.306 × 5.4	K	BF		FD	CH	PH	AA92A-11120
	DIESEL						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	SF		ST	NT	NT	
32252	2FAC	F20C	Truck		19,688	8	T	146.0 × 3.306 × 5.6	K	BF		FD	CH	PH	13011-2792
	DIESEL		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	SF		ST	CH	FE	
32267	2FAC	F20C	Super Dolpin		19,688	8	T	146.0 × 3.306 × 5.6	K	BF		FD	CH	PH	13011-2792A
	1cyl/set DIESEL	V25C	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	SF		ST	CH	FE	13011-3250A
															13019-1710A(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	
32278 1cyl/set	2F DIESEL	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	SF		ST	NT	NT	
32276 1cyl/set	2F DIESEL	F21C YJ08 V26C	Selga		20,781	8	T	150.0 × 3.306 × 5.5	K	BF		FD	CH	PH	13011-3310A
			Super Dolphin				2	150.0 × 3.0 × 5.8		TF	BT	FD	CH	PH	13011-3450A
							3	150.0 × 3.0 × 5.8		TF	SP	FC	CH	PH	13019-1730A(cyl)
							O	150.0 × 4.0 × 4.2	2F	SF		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
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		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
			CIVIC Van		1,335							13011-PA1-004/cyl
			J-VC,SC,SF,SV		1,238							13011-PA5-004/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	Accord 1800,SM,SZ		1,750	4	T	77.0 × 1.5 × 3.3	BF	TF	SP	FC	CH	CH	13011-676-601/cyl
			Prelude 1800,SN				2	77.0 × 1.5 × 3.3				FC	PH	PH	13011-676-602/cyl
			Accord 1600,SV				O	77.0 × 4.0 × 3.25				ST	NT	PH	13011-676-604/cyl
			Quint 1600						3F						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
					1,601										
32360	3FACBC	ES	Accord		1,829	4	T	80.0 × 1.5 × 3.4	BF	TF	3F	FD	CH	CH	13011-PC6-004/cyl
			Prelude		1,598		2	80.0 × 1.5 × 3.4				FC	CH	PH	13011-PC6-013/cyl
							O	80.0 × 4.0 × 3.25				ST	NT	NT	13011-PC7-023/cyl
															13011-PD6-003/cyl
															13011-PH1-003/cyl
32367	3F	EY							3F						13011-PH2-003/cyl
32367	3F	ES,EY-2	Accord,CA1		1,829	4	T	80.0 × 1.2 × 3.2	BF	TF	3F	ST	CH	PH	13011-PD4-003/cyl
			Prelude,AB				2	80.0 × 1.2 × 3.3				FC	PH	PH	13011-PH2-901/cyl
							O	80.0 × 2.8 × 2.8				ST	CH	PH	13011-PH2-902/cyl
															13011-PH2-903/cyl
32391	3F	PH2													
32391	3F	B16,B18	Integra		1,600	4	T	81.0 × 1.0 × 3.05	BF	BT	3F	ST	CH	FE	13011-PR3-003/cyl
							2	81.0 × 1.2 × 3.3				FC	PH	PH	13011-PR3-004/cyl
							O	81.0 × 2.8 × 2.55				ST	CH	PH	13011-PR4-A01/cyl
32368	3F	PR3													
32368	3F	PR4	Accord 2000,CA3		1,958	4	T	81.0 × 1.2 × 2.8	BF	TF	3F	ST	CH	PH	13011-PH3-003/cyl
			Prelude 2000,BA1				2	81.0 × 1.5 × 3.4				FC	PH	PH	13011-PH3-901/cyl
			Accord 1800,CA2		1,834		O	81.0 × 2.8 × 2.9				ST	NT	PH	13011-PH5-003/cyl
32391	3F	B20A													13011-PJ5-601/cyl
															13011-PK1-003/cyl
															13011-PK1-751/cyl
32402	3F	B18A													
32402	3F	RNA	CIVIC			4	T	81.0 × 1.2 × 2.45	BF	BT	3F	ST	CH	FE	13011-RNA-A01
							2	81.0 × 1.2 × 3.3				FC	PH	PH	13011-RNA-A02
							O	81.0 × 2.0 × 2.45				ST	CH	PH	
32411	3F	R18A1													
32411	3F	RZP	Accord		2,000	4	T	81.0 × 1.2 × 2.45	BF	BT	3F	ST	CH	PH	13011-RZP-003
			CR-V				2	81.0 × 1.2 × 3.4				FC	PH	PH	13011-RZP-004
							O	81.0 × 2.0 × 2.5				ST	NT	NT	
32392	3F	PV0													
32392	3F	PV0	Ascot		2,000	4	T	82.0 × 1.2 × 3.05	BF	TF	3F	ST	CH	PH	13011-PV0-003/cyl
			Sabar				2	82.0 × 1.2 × 3.3				FC	PH	PH	13011-PV0-004/cyl
			Inspire				O	82.0 × 2.8 × 2.75				ST	CH	PH	13011-PV0-013/cyl
32370	3F	A20A													13011-PV0-014/cyl
32370	3F	A20A	Accord 2000		2,000	4	T	82.7 × 1.5 × 3.2	BF	TF	3F	ST	CH	PH	13011-PH4-003/cyl
							2	82.7 × 1.5 × 3.4				FC	PH	PH	13011-PH4-601/cyl
							O	82.7 × 4.0 × 3.2				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		1,998	4	T	86.0 × 1.2 × 3.05	BF			ST	CH	PH	13011-PNE-G02	
			CR-V		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			
32421	3F	K24A2	CR-V		2,354	4	T	87.0 × 1.2 × 3.1	BF BT			ST	CH	PH	13011-RBB-006	
					2	87.0 × 1.2 × 3.4	TF SP			FC	PH		PH			
					O	87.0 × 2.5 × 2.45	3F			ST	NT					
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		2,200	4	T	87.0 × 1.2 × 3.15	BF BT			ST	NT	NT	13011-P13-003/cyl	
			Prelude		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 13011-PPA-004	
					2	87.0 × 1.2 × 3.4	TF SP			FC	PH		PH			
					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 13011-PY3-004/cyl 13011-PY3-Y01/cyl 13011-PY3-Y02/cyl	
					2	90.0 × 1.2 × 3.6	TF			FC	CH		PH			
					O	90.0 × 2.8 × 2.85	3F			ST	CH		PH			
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			Material	Surface Treatment		Reference
									①	②	③		Outside	Upper/Lower	

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32586 1cyl/set	2F DIESEL	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 1cyl/set	2F DIESEL	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 1cyl/set	2F DIESEL	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 1cyl/set	2FAC DIESEL	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 DIESEL	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 DIESEL	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	GeminiJT150	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 1cyl/set	2F DIESEL	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 1cyl/set	2FBC DIESEL	4LB1	For Indystrial 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	
32513	3F	G150	Bellet,PR20,40 Florian,Uni Cab Light Elf 1500 PA10,KA20,KR85	1,471	4	T	79.0 × 2.0 × 3.2					9-12181-055/cyl
						2	79.0 × 2.0 × 3.2					9-12181-071/cyl
						O	79.0 × 4.0 × 3.15	3F	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 1cyl/set	DWAC DIESEL	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	

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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	
32420	2FAC	ES01				4	T	80.0 × 2.0 × 2.7	HK	BF	ST	NT	NT		
	DIESEL					2	80.0 × 1.5 × 2.7		TF	SP	ST	NT	NT		
						O	80.0 × 2.0 × 2.75	2F		ST	NT	NT			
32592 1cyl/set	2F	3KR1 3KR2	For Industrial Machine			3	T	81.0 × 2.0 × 3.4		BF	FC	CH	PH	8-94421-650-0/cyl	
	DIESEL					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			
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		
			Elf Truck			O	82.0 × 4.0 × 3.6	3F		ST	CH	PH	9-12181-616/cyl		
			Foster										8-94206-294/cyl		
			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 DIESEL	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 DIESEL	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 1cyl/set	2F DIESEL	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		
													8-94216-640/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	
32572	3F	G180-2	LUV		1,817	4	T	84.0 × 1.5 × 3.1	BF			ST	CH	FE	8-94244-404-0/cyl
		4ZB-1	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
		4ZB-1-J													8-94141-443-0/cyl
32556	2FACBC DIESEL	4FB-1	Gemini Diesel PFD60		1,817	4	T	84.0 × 2.5 × 3.5	BF			FD	CH	PH	8-94224-221/cyl
		4FC-1	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	
32624 1cyl/set	DW DIESEL	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 1cyl/set	2FAC DIESEL	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 DIESEL	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 DIESEL	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 DIESEL	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 DIESEL	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	
			TLD,23ZP,23ZV,33												
32528	2FT DIESEL	C240	Bus												
			BLD24,KAD51,51ZB,52												
			TLD13,23(V,Z)43,53,63												
32528	2FT DIESEL	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	

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	
62528	2FT	C240	Elf		2,369	4	T	86.0 × 2.0 × 3.5	TF			FC	PH	PH	9-12181-138/cyl
	DIESEL		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							
32601	2FT	C240	Elf		2,369	4	T	86.0 × 2.0 × 3.5	TF			FC	PH	PH	9-12181-138-0/cyl
	DIESEL			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							
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			FC	PH	PH		
			Space Cab		O	86.0 × 3.0 × 3.05	3F	ST	CH	PH					
32538	AC	G201	Truck		1,951	4	T	86.0 × 2.5 × 4.1	BF			FC	CH	PH	9-12181-602/cyl
	DIESEL		TLG12,22,32,42,52,62		2	86.0 × 2.5 × 4.1	TF SP			FC	CH	PH			
			KVG20,20VF		O	86.0 × 5.0 × 4.1	1F	FC	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			FC	PH	PH				
	ELF2.2			O	86.0 × 3.0 × 2.85	3F	ST	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			FC	PH	PH				
	ELF2.2			O	86.0 × 2.5 × 2.75	3F	ST	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			FC	CH	PH				
				O	87.0 × 4.0 × 3.2	3F	ST	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			FD	CH	PH	8-94231-817-0/cyl			
				O	87.0 × 4.0 × 3.05	3F	ST	CH	PH	8-94447-415-0/cyl					
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			FC	PH	PH	8-97259-941-0			
				O	87.5 × 2.5 × 3.05	3F	ST	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			FC	PH	PH	8-94100-355/cyl		
					O	88.0 × 4.5 × 4.6	2F	FC	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
	DIESEL			2	88.0 × 2.0 × 3.5	TF SP			FC	PH	PH				
				O	88.0 × 4.0 × 4.0	2F	FC	PH	PH						
32640 1cyl/set	2F	D201				1	T	88.0 × 2.0 × 3.3	BF			ST	NT	NT	
	DIESEL			2	88.0 × 2.0 × 3.3	TF			FC	PH	PH				
				3	88.0 × 2.0 × 3.3	TF SP			FC	PH	PH				
				O	88.0 × 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	
32650	2FAC	4FD1 DIESEL	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		FC	CH	PH	
							O	88.0 × 4.0 × 4.2	2F			ST	NT	NT	
32573	3F	4ZC-1 4ZC-1J 4ZC-1JExp	ASKA		1,994	4	T	88.0 × 1.5 × 3.5	BF			ST	CH	PH	8-94235-878-0/cyl
							2	88.0 × 1.5 × 3.8	TF			FC	CH	PH	8-94119-545-0/cyl
							O	88.0 × 4.0 × 3.2	3F			FC	CH	PH	8-94409-555-0/cyl
32598	2F	4FG1 DIESEL	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	Chevrolet 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 DIESEL	Truck		3,664	6	T	90.0 × 2.5 × 3.9	TF			FC	PH	PH	9-12181-099/cyl
			TY20,20D,30,40				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 DIESEL	Truck		2,771	4	T	93.0 × 2.0 × 3.9	BF			FC	PH	PH	8-94247-867-0/cyl
			Elf150				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 DIESEL	Truck		2,771	4	T	93.0 × 2.0 × 3.9	BF			FC	PH	PH	8-94247-867-0/cyl
			Elf150				2	93.0 × 2.0 × 4.0	TF	SP		FC	PH	PH	
							O	93.0 × 4.0 × 4.1	2F			FC	PH	PH	
32612 1cyl/set	2FT	4JB1 DIESEL	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	
32647	2FT	4JK1 4JJ1 DIESEL	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	

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		
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			
32636	2FT DIESEL	4JG1	Bighorn,Elf		3,059	4	T	95.4 × 2.0 × 4.0	BF			FC	PH	PH	8-94379-486-0/cyl	
							2	95.4 × 2.0 × 4.0	TF				FC	PH		PH
							O	95.4 × 4.0 × 3.95	2F	ST	NT		NT			
32607	2F DIESEL	4JG2	Bighorn,Elf		3,059	4	T	95.4 × 2.5 × 4.0	BF BT			FC	PH	PH	8-97080-215-0/cyl	
							2	95.4 × 2.0 × 4.0	TF BT				FC	PH		PH
							O	95.4 × 4.0 × 4.45	2F	ST	NT		NT			
32691	2F DIESEL	4JG2-2	Bighorn Elf		3,059	4	T	95.4 × 2.306 × 4.0	K BF			FD	PH	PH	8-94370449-0	
							2	95.4 × 2.0 × 4.0	TF				FC	PH		PH
							O	95.4 × 4.0 × 3.95	2F	ST	NT		NT			
32623	2FT DIESEL	4JH1	D-MAX		3,059	4	T	95.4 × 2.5 × 3.9	BF			FC	PH	PH	8-97941-122-0/cyl	
							2	95.4 × 2.0 × 3.7	TF SP				FC	PH		PH
							O	95.4 × 3.0 × 3.15	2F	ST	NT		NT			
32634	2F DIESEL	4JJ1	D-MAX		3,059	4	T	95.4 × 2.0 × 3.3	HK BF			ST	CH	FE	8-97388-734-0/cyl	
							2	95.4 × 1.5 × 4.0	TF				FC	PH	PH	8-98096-676-0/cyl
							O	95.4 × 3.0 × 3.0	2F	ST	NT		NT			
32652	2FAC DIESEL	4JJ1-2	TRUCK ELF			4	T	95.4 × 2.0 × 3.3	HK BF			ST	CH	FE	8-98053-579-0	
							2	95.4 × 2.0 × 4.2	TF ST				FC	CH		PH
							O	95.4 × 3.0 × 3.0	2F	ST	NT		NT			
32664	2FAC DIESEL	4JJ1TC	Elf D-MAX		3,059	4	T	95.4 × 2.0 × 3.3	HK BF			ST	CH	FE	8-98057-222-0	
							2	95.4 × 1.5 × 3.5	TF BT				ST	NT		NT
							O	95.4 × 3.0 × 3.0	2F	ST	NT		NT			
32680	2FAC DIESEL	4JX1	MU Bighorn Wizard		2,999	4	T	95.4 × 2.438 × 4.0	K BF			FD	CH	PH	8-97184-533-0	
							2	95.4 × 2.0 × 4.0	TF ST				FC	CH		PH
							O	95.4 × 4.0 × 3.95	2F	ST	NT		NT			
32644	2FT DIESEL	D-MAX 3.0			3,059	4	T	95.4 × 2.5 × 3.9	BF			FC	PH	PH	8-97259-941-0	
							2	95.4 × 2.0 × 3.7	TF SP				FC	PH		PH
							O	95.4 × 3.0 × 3.85	2F	ST	NT		NT			
32529	2FTBC DIESEL	4BA-1	Elf Truck TLD24,34,44,54,64		2,775	4	T	98.0 × 3.0 × 3.9	BF			FC	PH	CH	5-12121-001-0/cyl	
							2	98.0 × 2.5 × 3.9	TF SP				FC	PH	PH	5-12121-019/cyl
							O	98.0 × 5.0 × 4.3	2F	FC	CH		PH	5-12181-025/cyl		
		C330	Elf KS		3,318									12181-601/cyl		
														12181-619/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	
62529	2FT DIESEL	4BA-1 C330	Elf Truck TLD24,34,44,54,64 Elf KS		2,775	4	T	98.0 × 3.0 × 3.9	BF			FC	PH	CH	5-12121-001-0/cyl
							2	98.0 × 2.5 × 3.9	TF	SP		FC	PH	PH	5-12121-019/cyl
							O	98.0 × 5.0 × 4.3	2F			FC	CH	PH	5-12181-025/cyl
															12181-601/cyl
															12181-619/cyl 9-12181-801/cyl
32524	2FTBC DIESEL	D500	Forward TR,BY		4,978	6	T	98.0 × 3.0 × 3.9	BF			FC	PH	CH	5-12181-020/cyl
							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	
62524	2FT DIESEL	D500	Forward TR,BY		4,978	6	T	98.0 × 3.0 × 3.9	BF			FC	PH	CH	5-12181-020/cyl
							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 DIESEL	DA120	Truck TX541(D,T),542(D,T) 551(T),552(T),TXD40,50 TS542,543(D),TW542(D)		6,126	6	T	100.0 × 2.5 × 4.0	BF			FC	CH	CH	9-12181-063/cyl
							2	100.0 × 2.5 × 4.0	TF	ST		FC	PH	PH	9-12181-091/cyl
							3	100.0 × 2.5 × 4.0	TF	SP		FC	PH	PH	
							O	100.0 × 4.0 × 4.2	2F			FC	CH	PH	
							O	100.0 × 4.0 × 4.0	1F			FC	PH	PH	
32517	2F DIESEL	DA120A	Bus BA341P,343,351,541 543,551 BB341,351,551 BX352,531,552 For Industrial Machine		6,126	6	T	100.0 × 2.5 × 4.2	BF			FD	CH	PH	1-12181-005/cyl
							2	100.0 × 2.5 × 4.4	TF	ST		FC	PH	PH	1-12181-036/cyl
							3	100.0 × 2.5 × 4.4	TF	SP		FC	PH	PH	1-12181-087/cyl
							O	100.0 × 5.0 × 4.4	2F			FC	CH	PH	1-12181-109/cyl 1-12181-128/cyl
32688 1cyl/set	2F DIESEL	DA120A	Bus BA341P,343,351,541 543,551 BB341,351,551 BX352,531,552 For Industrial Machine		6,126	6	T	100.0 × 2.5 × 4.2	BF			FC	CH	PH	1-12181-005/cyl
							2	100.0 × 2.5 × 4.4	TF	ST		FC	PH	PH	1-12181-036/cyl
							3	100.0 × 2.5 × 4.4	TF	SP		FC	PH	PH	1-12181-087/cyl
							O	100.0 × 5.0 × 4.4	2F			FC	CH	PH	1-12181-109/cyl 1-12181-128/cyl
32505	DW DIESEL	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 DIESEL	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 DIESEL	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	

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	
32507	DW	DA640	Truck		6,373	6	T	102.0 × 2.5 × 4.0	BF			FC	CH	PH	9-12181-028/cyl
	DIESEL		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					
32518	DW	DA640A	Truck		6,373	6	T	102.0 × 2.5 × 4.4	BF			FC	CH	CH	12181-007/cyl
	DIESEL		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
	DIESEL				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
	DIESEL		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 4BD-1	Elf		3,595	4	T	102.0 × 3.0 × 4.4	TF			FD	PH	PH	5-12121-005/cyl
	DIESEL		Journey		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
	DIESEL		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
	DIESEL		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 1cyl/set	2FT	4BC-1	Elf		3,268	4	T	102.0 × 3.0 × 4.4	BF			FC	CH	CH	5-12121-004/cyl
	DIESEL		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												
32639	2FT	4BD2			3,856	4	T	102.0 × 3.0 × 4.0	BF			FD	PH	PH	8-97117-686-0/cyl
	DIESEL				2	102.0 × 2.0 × 3.6	TF			FD	PH	PH			
					O	102.0 × 4.0 × 4.35	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	
32683 1cyl/set	2FT DIESEL	4/6BB1	Forward		5,393	4	T	102.0 × 3.0 × 4.4	TF			FD	PH	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	PH	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												
32542	2FT DIESEL	6BB-1 6BD-1	Forward		5,393	6	T	102.0 × 3.0 × 4.4	TF			FD	PH	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	PH	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												
32602	2FTBC DIESEL	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	PH	PH	
62602	2FT DIESEL	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	PH	PH	
32618	2FTBC DIESEL	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	PH	PH	
32559	2FTBC DIESEL	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	PH	PH	
62559	2FT DIESEL	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	PH	PH	
32597	2FTBC DIESEL	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	PH	PH	
32626	2FT DIESEL	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	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	
32703 1cyl/set	2FT	6BG1-TC DIESEL	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		PH	PH	
32681	2FT	6BG1T DIESEL				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 1cyl/set	2FT	6BG1T DIESEL				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		
32677	2FAC	4HE1 DIESEL	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		
32707	2FAC	4HE1-TC DIESEL	Truck Elf		4,751	4	T	110.0 × 3.0 × 4.0	HK BF		ST	NT	NT	8-97166-992-0	
	2						110.0 × 2.0 × 3.9	TF SP		ST		NT	NT		
	3						110.0 × 1.2 × 3.7	TF		ST		FE	FE		
	O						110.0 × 3.0 × 3.25	2F		ST		NT	NT		
32606	2FAC	6HE1 DIESEL	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 DIESEL	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		
32677	2FAC	4HE1 DIESEL	Elf		4,751	4	T	110.4 × 3.0 × 3.95	HK BF		ST	NT	NT	8-97078-779-0/cyl	
	2						110.4 × 2.5 × 4.7	TF SP		FC		CH	PH		
	O						110.4 × 4.0 × 4.2	2F		ST		NT	NT		
32604	2FAC	4HF1 DIESEL	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 DIESEL	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		
32718	2FAC	4HK1 DIESEL			5,193	4	T	115.0 × 3.0 × 4.3	HK BF		ST	NT	NT	8-98167539-0	
	2						115.0 × 3.0 × 4.8	TF BT		FC		PH	PH		
	O						115.0 × 4.0 × 4.2	2F		ST		NT	NT		
32631	2FAC	4HK1-TC DIESEL 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 DIESEL	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		

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	
32684 1cyl/set	2FAC DIESEL	4HK1-X	Excavator		5,200	4	T	115.0 × 2.941 × 4.15	K	BF		FD	CH	PH	8-98017-166-0/cyl
			Forklift				2	115.0 × 2.0 × 4.3		TF	BT	FD	CH	PH	
			Industrial Diesel				3	115.0 × 2.5 × 4.8		TF	SP	FC	CH	PH	
							O	115.0 × 3.0 × 3.15	2F			ST	NT	NT	
32692 1cyl/set	2FAC DIESEL	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	
32682 1cyl/set	2FAC DIESEL	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
32645	2FAC DIESEL	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 1cyl/set	2FAC DIESEL	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	
32658	2FAC DIESEL	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 DIESEL	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 DIESEL	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 1cyl/set	2FAC DIESEL	6HH1	Forward		8,226	6	T	115.0 × 3.5 × 4.6		BF		FD	CH	PH	8-94390-799-0/cyl
			Journey				2	115.0 × 2.5 × 4.8		TF	SP	FC	CH	PH	
							O	115.0 × 4.0 × 4.2	2F			ST	NT	NT	
32701	2FAC DIESEL	6HH1-2	Forward			6	T	115.0 × 3.5 × 4.6		BF		FD	CH	PH	8-94392-128-1
			Journey				2	115.0 × 2.5 × 4.8		TF	SP	FC	CH	PH	
			Erga				O	115.0 × 3.0 × 3.1	2F			ST	NT	NT	
32712	2F DIESEL	6HK1-TC	Truck		7,790	6	T	115.0 × 2.941 × 4.1	K	BF		ST	NT	NT	8-94391-502-4
			Erga				2	115.0 × 2.0 × 4.1		TF		ST	NT	NT	
							3	115.0 × 2.5 × 4.8		TF	SP	FC	CR	PH	
							O	115.0 × 3.0 × 3.15	2F			ST	NT	NT	
32696	2F DIESEL	6HL1-TC				6	T	115.0 × 2.941 × 4.15	K	BF		FD	CH	PH	8-97601-318-1
							2	115.0 × 2.50 × 4.8		TF	ST	FC	PH	PH	
							O	115.0 × 3.0 × 3.15	2F			ST	NT	NT	
32580	2F DIESEL	6SA-1 6SA-T	Truck		8,413	6	T	115.0 × 3.0 × 4.6		BF		FD	CH	CH	1-12121-070-0/cyl
			Forward 200PS				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

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	
32548 1cyl/set	2FAC DIESEL	10PA-1	Truck		12,464	10	T	115.0 × 3.0 × 4.6	BF			FD	CH	PH	1-12181-060/cyl
		8PA-1	SPK710,SPZ450D,SRG720				2	115.0 × 2.5 × 4.8	TF			FC	CH	PH	1-12181-016/cyl
		12PA-1	R,750				O	115.0 × 6.0 × 5.7	2F			FD	CH	PH	
			SRK701,710,SRM441,450 450D 650,651,701,710 SRZ440,441,450,451,580,650 VRR290,VRZ440 Bus CRA580,650												
32562 1cyl/set	2F DIESEL	10PB-1	Truck,Bus		14,022	10	T	115.0 × 3.0 × 4.6	BF			FD	CH	PH	1-12121-043/cyl
		8PB-1	CSA580,650				2	115.0 × 2.5 × 4.8	TF SP			FD	CH	PH	1-12181-058/cyl
		12PB-1	SSZ441,451,581,641,701				O	115.0 × 4.0 × 5.3	2F			FD	CH	PH	1-12181-061/cyl
			SRM701,SSG701 SSM701,SSZ581 VSR300,VSZ431												1-12181-069/cyl
32582 1cyl/set	2FACBC DIESEL	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	
32584 1cyl/set	2FAC DIESEL	10PC-1A	Truck,Bus		15,014	10	T	119.0 × 4.0 × 4.6	BF			FD	CH	PH	1-12121-062-0/cyl
		10PC-1T					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	
32603 1cyl/set	2FAC DIESEL	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	
32637	2FAC DIESEL	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 DIESEL	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 DIESEL	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,401 600,670,VLR290,VRB290						1F			FC	CH	PH	9-12181-114/cyl
32567	DW DIESEL	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	

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	
32522	DW	D920	Truck		9,203	6	T	125.0 × 3.0 × 5.1	BF		FC	CH	CH	1-12121-021/cyl	
	DIESEL		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			
			BU04D,05D,10D,15D,20,20D												
		E110	10DP,15DP,20DP,35DP												
	Truck			11,044									1-12121-022/cyl		
	TG55E,75E												9-12181-153/cyl		
	TM05E,15E,45,55,85E,95E														
	Bus														
		BU05E,10E,15E,20E,25EP													
32716 1cyl/set	2FAC	6UZ			69,839	6	T	120.0 × 2.5 × 4.2	BF		ST	NT	NT	8-98056464-1	
	DIESEL					2	120.0 × 2.0 × 4.1	TF BT		FD	CH	PH			
						3	120.0 × 3.0 × 4.9	TF SP/BT		FD	CH	PH			
						O	120.0 × 3.0 × 3.9	2F		ST	NT	NT			
32541	DWAC	D920	Tractor		9,203	6	T	125.0 × 3.0 × 5.1	BF		FD	CH	CH	1-12121-013/cyl	
	DIESEL		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	
	DIESEL		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	
	DIESEL					2	125.0 × 2.5 × 5.1	TF		FC	CH	PH			
						O	125.0 × 6.0 × 6.16	2F		ST	CH	FE			
32642 1cyl/set	2FAC	10PE-1					T	127.0 × 3.806 × 4.95	K BF		FD	CH	PH	1-12121-129-1	
	DIESEL					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			
32641	2FAC	6WA1TC	GIGA		12,068	6	T	132.9 × 4.306 × 5.2	K BF		FD	CH	PH	1-12121-117/cyl	
	DIESEL					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	
	DIESEL					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	
	DIESEL		SBM,CXM		13,741		2	135.0 × 2.5 × 5.5	TF SP		FD	CH	PH	1-12121-040/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	
	DIESEL					2	135.0 × 2.5 × 5.5	TF SP		FD	CH	PH			
						O	135.0 × 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			Material	Surface Treatment		Reference
									①	②	③		Outside	Upper/ Lower	
32525	2F	DIESEL	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															
32543	2FAC	DIESEL	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												
			Bus												
			10K,15K,20K,35K												
30KP,35KP,BU4K,10K,20K															
32715	2FAC	DIESEL	6WF1			6	T	142.9 × 2.919 × 5.35	K	BF	ST	NT	NT	1-12121-147-0	
				2	142.9 × 2.5 × 5.25	TF BT			ST	NT	NT				
				3	142.9 × 3.0 × 5.9	TF SP			ST	CH	PH				
				O	142.9 × 4.0 × 4.35	2F	ST	NT	NT						
32526	2FAC	DIESEL	V170	Bus	16,513	8	T	145.0 × 4.0 × 5.9	BF			FD	CH	CH	1-12121-025-0/cyl
			V170-T	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	DIESEL	8MA-1	Truck	16,513	8	T	145.0 × 4.0 × 5.9	BF			FD	CH	CH	1-12121-018/cyl
			8MA-1T	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	DIESEL	6WG1-TC	GIGA,TRACTOR	15,681	6	T	147.0 × 3.806 × 5.5	K	BF	FD	CH	PH	1-12121-143-0	
				14,256	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	DIESEL	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 1cyl/set	2FAC	DIESEL	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						

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
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 Truck BTA67				O	73.0 × 4.0 × 3.2	3F	ST	CH FE	
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	
33806	3F	ZJ-VE	Demio		1,348	4	T	74.0 × 1.2 × 2.4	BF BT	ST	CH FE	ZJY1-11-SCO
			MAZDA2				2	74.0 × 1.2 × 2.9	TF SP	FC	PH PH	
							O	74.0 × 2.5 × 2.5	3F	ST	CH 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	

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	
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												
33726	3F	UA(NEW)	Craft(E1500)-New		1,484	4	T	75.0 × 2.0 × 3.3	BF		FD	CH	PH	0571-23-170	
			DUE91,DUE95,DUC99			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)		1,296	4	T	77.0 × 1.2 × 3.25	BF		ST	CH	FE	E301-23-130	
			BD1031			2	77.0 × 1.5 × 3.2	TF	SP	FC	CH	PH	E301-23-130A		
		E5	Familia(323,GLC)		1,490	O	77.0 × 4.0 × 3.25	3F		ST	NT	NT			
			BD1051 FORD LASER												
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		1,597	4	T	78.0 × 1.5 × 3.1	BF		ST	CH	PH	B6Y3-11-SCOA	
			Capella			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		1,597	4	T	78.0 × 1.5 × 3.1	BF		ST	CH	PH	B6YO-11-SCOA	
			Capella Cargo Van			2	78.0 × 1.5 × 3.4	TF	SP	FC	PH	PH			
			Familia Wagon			O	78.0 × 4.0 × 2.9	3F		ST	NT	NT			
33755	2F DIESEL	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		1,586	4	T	78.0 × 1.5 × 3.6	TF		FC	CH	PH	0290-23-130	
			Familia 1600,H-SN3AV			2	78.0 × 1.5 × 3.6	TF	SP	FC	PH	PH	0305-23-130		
			SN3A,SN3AV			O	78.0 × 4.0 × 3.55	3F		ST	CH	PH	0484-23-130		
			SN4A,B-SN4A										0494-23-130		
		NA	Luce(929)1800		1,796								3763-23-130		
			Truck												
		VB	BNA61,H-BN61												
			FORD Courier		1,796								D27Z6149 D77Z6108		
33742	3F	NA(NEW)	Capella(626)		1,796	4	T	78.0 × 1.2 × 3.3	BF		ST	CH	FE	8170-23-130	
			CB2N,BA2N,Bongo			2	78.0 × 1.5 × 3.6	TF	SP	FC	PH	PH	8170-23-130A		
			E1600 Pick-Up, Van			O	78.0 × 4.0 × 3.55	3F		ST	CH	PH	8658-23-130		
													H604-23-130		

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	
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	
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 AXELA MAZDA2		1,500	4	T	78.0 × 1.2 × 2.5	BF			ST	CH	FE	ZYY1-11-SCO
							2	78.0 × 1.2 × 3.2	TF SP			FC	PH	PH	ZYY2-11-SCO
							O	78.0 × 2.5 × 2.3	3F			ST	NT	NT	
33728	3F	VC MA	Luce(929) LA2V,LA3V,2VV 3VS,C-LA30S COSMO(121),C-CD2VC		1,769 1,970	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
							O	80.0 × 4.0 × 3.55	3F			ST	CH	PH	3975-23-130
33737	3F	VC(NEW) MA(NEW)	Luce(929L) B1800 Pick-Up,Bongo LA4V,LA4M,LA2V CB2V,CD2V BA2V8H,BA2V9H Cosmo(121L) LA4M,CD3M,CB2M FORD Courier		1,769 1,970 1,970	4	T	80.0 × 1.2 × 3.5	BF			ST	CH	FE	8682-23-130
							2	80.0 × 1.5 × 3.6	TF SP			FC	PH	PH	8682-23-130A
							O	80.0 × 4.0 × 3.35	3F			ST	CH	PH	HE18-23-130
33745	3F	MA-2 VB	Cosmo Luce		1,970	4	T	80.0 × 1.5 × 3.4	BF			FD	CH	PH	HE05-23-130
							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 EVV	EVA12,TVA,EVB,EVX G2000		1,985	4	T	82.0 × 2.0 × 3.6	TF			FC	CH	PH	1352-23-130
							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	

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	
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		
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 DIESEL	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 DIESEL	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 DIESEL	RFX RFT	Capella	2,000	4	T	86.0 × 2.0 × 2.95	HK BF	ST	NT	NT	RF01-23-130	
						2	86.0 × 2.0 × 3.6	TF ST	FC	CH	PH	RFY0-11-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	
33805	2F	L3T	Axela,Atenza	2,500	4	T	87.5 × 1.5 × 3.1	BF	ST	NT	NT	L3Y4-11-SCO	
						2	87.5 × 1.5 × 3.7	TF SP	FC	PH	PH		
						O	87.5 × 2.0 × 2.75	2F	ST	NT			
33723	PS DIESEL	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 DIESEL	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 DIESEL	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		

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	
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				PH	PH	
							3	92.0 × 4.0 × 2.95	3F				CH	PH	
33730	PS DIESEL	XB EXC	Titan E2700		2,701	4	T	92.0 × 2.38 × 3.6	SF			FD	CH	PH	0527-23-206
			EXM,EXC13,EXC43				2	92.0 × 2.38 × 3.6	SF ST				PH	PH	0528-23-206
			3				92.0 × 2.38 × 3.6	SF ST			PH		PH		
			O				92.0 × 4.76 × 3.6	1F			CH		PH		
			O				92.0 × 4.76 × 3.6	1F			PH		PH		
33731	PS DIESEL	ZB EZA XB	Titan E4100		4,052	6	T	92.0 × 2.38 × 3.6	BF			FD	CH	PH	0784-23-206
			EZA,EZB				2	92.0 × 2.38 × 3.6	SF ST				PH	PH	
			3				92.0 × 2.38 × 3.6	SF ST			PH		PH		
			O				92.0 × 4.76 × 3.6	1F			CH		PH		
			O				92.0 × 4.76 × 3.6	1F			PH		PH		
33767	2FAC DIESEL	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				CH	PH	
							O	92.026 × 4.76 × 4.3	2F				CH	PH	
33799	2FAC DIESEL	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				CH	PH	
							O	93.0 × 2.0 × 2.8	2F				NT	NT	
33781	2FAC DIESEL	WL	Bongo		2,500	4	T	93.0 × 2.5 × 3.55	BF BT			ST	NT	NT	WLY1-11-SCO
			Ford				2	93.0 × 2.0 × 3.9	TF BT				CH	PH	
			O				93.0 × 3.0 × 3.9	2F			NT		NT		
33735	2FAC DIESEL	HA	Titan E3000,T3000		2,977	4	T	95.0 × 2.38 × 3.8	BF			FD	CH	PH	1363-23-206
			WEWOF1,WEYOF1				2	95.0 × 2.38 × 3.8	BF ST				CH	PH	SE01-23-130
			Parkway Bus,TA3H				O	95.0 × 4.76 × 4.25	2F				CH	PH	SE01-23-206
33783	2FAC DIESEL	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				CH	PH	
							O	95.0 × 3.0 × 3.4	2F				NT	NT	
33802	2FAC DIESEL	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				NT	NT	
							O	96.0 × 2.0 × 2.8	2F				NT	NT	
33794	2F DIESEL	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				CH	PH	
							O	98.0 × 3.0 × 3.15	2F				NT	NT	
33765	2FAC DIESEL	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			CH		PH		
			O				100.0 × 4.5 × 4.26	2F			CH		FE		
33785	2FAC DIESEL	SL	Trader		3,455	4	T	100.0 × 2.5 × 4.2	HK BF			FD	CH	PH	SL01-23-206A
			Titan				2	100.0 × 2.0 × 4.2	TF ST				CH	PH	
			O				100.0 × 4.5 × 4.26	2F			CH		FE		
33801	2FAC DIESEL	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				CH	PH	SL07-23-206
							O	100.0 × 4.5 × 4.26	2F				CH	FE	K4Y0-11-SCO

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	
33766	2FAC DIESEL	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		CH	PH	
							O	105.505 × 4.5 × 4.5	2F				CH	FE	
33780	2FAC DIESEL	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		CH	PH	
							O	109.0 × 3.0 × 3.76	2F				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	

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	
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			FC	CH	PH		
			L100,A105,A106	O			70.0 × 2.5 × 2.9	3F			ST	CH	PH		
			L013												
			MAZDA Porter Cab,PC4D												
33446 1cyl/set	2F DIESEL	L2C,L3C					T	70.0 × 2.0 × 2.55	BF			ST	NT	NT	MN433712
			2	70.0 × 2.0 × 3.0	TF ST			FC	PH	PH					
			O	70.0 × 3.0 × 3.55	2F			ST	NT	NT					
33897	3F	4G13(NEW)	Lancer,Mirage		1,298	4	T	71.0 × 1.2 × 2.55	BF			ST	NT	NT	MD158908
			Proton Wira	2			71.0 × 1.5 × 3.1	TF			FC	PH	PH		
				O			71.0 × 3.0 × 2.85	3F			ST	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			FC	PH	PH					
			O	71.0 × 4.0 × 3.2	3F			ST	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			FC	PH	PH			
			O	71.0 × 2.8 × 2.5			3F			ST	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			FC	PH	PH		
			A71,71V,H-71V	O			71.0 × 4.0 × 4.0	2F			FC	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			FC	NT	NT		
				O			71.0 × 4.0 × 3.3	3F			ST	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			FC	PH	PH			
			O	71.8 × 4.0 × 3.2			3F			ST	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			FC	PH	PH			
			O	72.2 × 3.0 × 2.85			3F			ST	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			FC	PH	PH		
			A72,72V,B-A72	O	73.0 × 4.0 × 3.25	3F			ST	CH	PH				
			H-A72U												
			Galant 1200,55C,A62												
33856	3F	4G33	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			FC	PH	PH		
		4G33-H	Fork Lift	O			73.0 × 4.0 × 3.25	3F			ST	CH	PH		
			FG10,FG15												
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			FC	PH	PH		
				O			73.0 × 4.0 × 3.25	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	
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 G12-T	A142,A152,A156,A172												MD012035
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	
33462	3F	3,4A92	Lancer			3	T	75.0 × 1.0 × 2.3	BF			ST	NT	NT	1110C488
			Attrage				2	75.0 × 1.2 × 2.7	TF			FC	PH	PH	1110B699
							O	75.0 × 2.0 × 1.85	3F			ST	PV	PH	
33464 1cyl/set	3F	3,4A92	Lancer			3	T	75.0 × 1.0 × 2.3	BF			ST	NT	NT	1110C488
			Attrage				2	75.0 × 1.2 × 2.7	TF			FC	PH	PH	1110B699
							O	75.0 × 2.0 × 1.85	3F			ST	PV	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													

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	
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				PH	PH	
							O	75.5 × 4.0 × 3.2	3F				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				CH	PH	
							O	76.0 × 2.5 × 2.85	3F				NT	NT	
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				PH	PH	
							O	76.0 × 2.8 × 2.6	3F				NT	NT	
33937	3F	4G18-2	Proton Waja			4	T	76.0 × 1.2 × 2.7	BF			ST	NT	NT	MD361982
							2	76.0 × 1.2 × 3.2	TF SP				PH	PH	
							O	76.0 × 2.5 × 2.6	3F				CH	PH	
33938	3F	4G18-3	Proton Waja			4	T	76.0 × 1.2 × 2.75	BF			ST	NT	NT	MD361983
							2	76.0 × 1.2 × 3.2	TF SP				PH	PH	
							O	76.0 × 2.5 × 2.6	3F				NT	NT	
33445 1cyl/set	2FAC DIESEL	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				CH	PH	
							O	76.0 × 4.0 × 4.25	2F				NT	NT	
33444 1cyl/set	2F DIESEL	L2E				4	T	76.0 × 2.0 × 2.75	HK BF			ST	NT	NT	MN433713
							2	76.0 × 2.0 × 3.3	TF ST				PH	PH	
							O	76.0 × 3.0 × 3.55	2F				NT	NT	
33987 1cyl/set	2F DIESEL	L2E,L3E				4	T	76.0 × 2.0 × 3.3	HK BF			FC	CH	PH	MM433152
							2	76.0 × 2.0 × 3.2	TF				PH	PH	
							O	76.0 × 3.0 × 3.55	2F				NT	NT	
33839	3FAC	4G41	Galant,Delica T61,T120,120C,120W,H-T120 Coupe FTO		1,378	4	T	76.5 × 2.0 × 3.5	BF			FC	CH	PH	MD010710
							2	76.5 × 2.0 × 3.5	TF				CH	PH	MD010715
							O	76.5 × 4.0 × 3.7	3F				CH	PH	MD011893
33832	3F	4G32 G32	GalantΣ,Sapporo Lancer,Celeste,Mirage,Delica A53,53C,53V,53H,63,73 112,121,144,153,157,161 174,B-A73,L021,32 Forte,L200,Dodge Colt Plymouth Champ		1,597	4	T	76.9 × 2.0 × 3.5	BF			FC	CH	PH	MD000725
							2	76.9 × 2.0 × 3.5	TF				PH	PH	MD004709
							O	76.9 × 4.0 × 3.65	3F				CH	PH	MD004739
															MD004770
															MD005885
															MD007251
															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				PH	PH	
							O	76.9 × 4.0 × 3.2	3F				NT	NT	
33870	3F	G32-T G32EC-T 4G32-T/C	Cordia,GalantΣ Chariot,Tredia Turbo		1,597	4	T	76.9 × 1.5 × 3.2	BF			ST	CH	PH	MD012765
							2	76.9 × 1.5 × 3.5	TF				PH	PH	MD062387
							O	76.9 × 4.0 × 3.7	3F				CH	PH	MD093337 MD099430

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		
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 DIESEL	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
33985 1cyl/set	2F DIESEL	K4F-DT				4	T	78.0 × 2.5 × 3.4	HK BF BB			FC	CH	PH	MM437295	
							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		2,000	6	T	78.4 × 1.2 × 2.95	BF			ST	NT	NT	MD302644	
			Eterna,Galant,Diamante				TF			FC	CH		PH			
							3F			ST	NT		NT			
33940	3F	6A12-NA	Proton Perdana		2,000	6	T	78.4 × 1.2 × 3.0	BF			ST	CH	FE	MD189104	
			Eterna,Galant,Diamante				TF			FC	PH		PH			
							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		1,686	4	T	79.0 × 1.5 × 3.4	BF			FD	CH	PH	MD003184	
			A55				TF			FD	CH		PH	MD004835		
							3F			ST	CH		FE			
33878	2FAC DIESEL	4D6 4D65	Mirage		1,795	4	T	80.6 × 2.0 × 3.15	HK BF BB			ST	NT	NT	MD071206	
			Colt C14A				TF			FD	CH		PH	MD127022		
							2F			ST	CH		FE			
33879	2FAC DIESEL	4D6 4D65-T	Galant,Mirage,Colt		1,795	4	T	80.6 × 2.0 × 3.15	HK BF BB			ST	NT	NT	MD078209	
							HK TF BB			FD	CH		PH	MD078309		
							2F			ST	CH		FE	MD136692		
33889	2FAC DIESEL	4D65	Colt,Galant		1,795	4	T	80.6 × 2.0 × 3.15	HK BF BB			ST	NT	NT	MD116000	
							HK TF BB			FD	CH		PH			
							2F			ST	CH		FE			
33904	2F DIESEL	4D65	Galant,Mirage,Colt		1,795	4	T	80.6 × 2.0 × 3.15	HK BF BB			ST	NT	NT	MD127017	
							TF			FC	CH		PH	MD071206		
							2F			ST	CH		FE	MD127022		
33885	3F	4G37 G37	Galant		1,755	4	T	80.6 × 1.5 × 3.15	BF			ST	NT	NT	MD106028	
							TF			FC	PH		PH			
							3F			ST	NT		NT			
33954	3FAC	4G37-EC 4G62	E-E12A		1,800	4	T	80.6 × 1.5 × 3.15	BF			ST	NT	NT	MD154012	
							TF			FC	CH		PH			
							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	
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		1,795	4	T	80.6 × 2.0 × 3.5	BF			FD	CH	PH	MD040610
		4G62	Lancer, A162, A175				2	80.6 × 2.0 × 3.65	TF			FC	PH	PH	MD106736
							O	80.6 × 4.0 × 3.2	3F			ST	CH	PH	
33842	3FAC	4G51	GalantΣ1850		1,855	4	T	81.0 × 2.0 × 3.5	BF			FD	CH	PH	MD023060
			A114				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	Mirage, Lancer		1,592	4	T	81.0 × 1.2 × 2.8	BF			ST	CH	PH	MD173206
		4G92, 93-EC	Proton Wira				2	81.0 × 1.2 × 3.6	TF			FC	CH	PH	MD173211
							O	81.0 × 2.8 × 2.65	3F			ST	NT	NT	
33466	3F	4G92-D4	Mirage, Lancer		1,600	4	T	81.0 × 1.2 × 3.0	BF			ST	NT	NT	MD177118
							2	81.0 × 1.2 × 3.5	TF			FC	PH	PH	MD177122
							O	81.0 × 2.8 × 2.55	3F			ST	CH	PH	MD177120
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 DIESEL	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 DIESEL	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 DIESEL	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	

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		
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	
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 DIESEL	4DQ5	Canter		2,084	4	T	84.0 × 2.5 × 3.6	BF			FD	CH	PH	30615-51011	
			Fork Lift,FD15			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		1,995	4	T	84.0 × 2.0 × 3.6	BF			FD	CH	PH	MD021010	
			Celeste,Jeep			2	84.0 × 2.0 × 3.7	TF			FC		PH	PH	MD021035	
			A57,78,115,123,J58			O	84.0 × 4.0 × 3.15	3F			ST		CH	PH	MD021070	
														MD027010		
33866	3F	4G63	GalantΣ		1,997	4	T	85.0 × 2.0 × 3.6	BF			FD	CH	PH	MD040640	
		G63B	Galant Sapporo Van			2	85.0 × 2.0 × 3.7	TF			FC		PH	PH	MD040840	
		G63B-T,C	A163,A164			O	85.0 × 4.0 × 3.15	3F			ST		CH	PH	MD041580	
			Chariot													
			Pajero													
33892	3F	4G63	GalantΣ		1,997	4	T	85.0 × 1.5 × 3.1	BF			ST	NT	NT	MD100467	
		G63B	Galant Sapporo Van			2	85.0 × 1.5 × 3.8	TF			FC		PH	PH	MD105516	
		G63B-T,C	A163,A164			O	85.0 × 4.0 × 3.2	3F			ST		CH	PH		
			Chariot													
			Pajero													
33414	3FAC	4G63EX	E-N33W		1,997	4	T	85.0 × 1.5 × 3.1	BF			ST	NT	NT	MD133485	
			E-CD9A			2	85.0 × 1.5 × 3.7	TF SP			FC		CH	PH		
			Lancer, Eclipse, Chariot RVR			O	85.0 × 3.0 × 2.8	3F			ST		NT	NT		
33919	3F	4G63(NEW)	Galant		1,997	4	T	85.0 × 1.2 × 3.1	BF			ST	CH	PH	MD195810	
			Chariot			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		1,997	4	T	85.0 × 1.2 × 3.1	BF			ST	CH	PH	MD140923	
			Chariot			2	85.0 × 1.5 × 3.8	TF			FC		PH	PH	MD195850	
			RVR			O	85.0 × 3.0 × 2.6	3F			ST		NT	NT		
33980	3F	4G63S				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	

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	
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	
33463	2FAC DIESEL	4N15	Triton Pajero			4	T	86.0 × 2.0 × 2.9	HK	BF		ST	NT	NT	1110C712
							2	86.0 × 1.5 × 2.9	TF			ST	NT	NT	
							O	86.0 × 2.0 × 2.75	2FAC			ST	NT	NT	
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 MD194597
							2	86.5 × 1.5 × 3.8	TF	SP		FC	CH	PH	
							O	86.5 × 2.8 × 2.6	3F			ST	NT	NT	
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 1110C162
							2	88.0 × 1.2 × 3.6	TF	SP		FC	PH	PH	
							O	88.0 × 2.0 × 2.25	3F			ST	CH	PH	
31607	2F DIESEL	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 MD026985
							2	88.0 × 2.0 × 3.8	TF			FC	PH	PH	
							O	88.0 × 4.0 × 3.2	3F			ST	NT	NT	
33986 1cyl/set	2FAC DIESEL	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 DIESEL	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	

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
33454	2FAC	4D56(D4)				4	T	91.1 × 2.5 × 3.3	HK BF	ST	NT NT	1110B977
1cyl/set	DIESEL						2	91.1 × 2.0 × 3.7	HK TF	FD	CH PH	
							O	91.1 × 3.0 × 3.55	2F	ST	NT NT	
33461	2FAC	4D56(D4)-2				4	T	91.1 × 2.5 × 3.3	HK BF	ST	NT NT	1110B977
	DIESEL						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
	DIESEL						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	GalantΣA167		2,346	4	T	91.1 × 2.5 × 3.7	HK BF BB	FD	CH PH	MD050390
	DIESEL	4D55-T	Galant Sapporo				2	91.1 × 2.0 × 3.7	HK TF BB	FD	CH PH	MD103391
		4D56	Turbo				O	91.1 × 4.0 × 4.1	2F	ST	NT NT	
33465	2FAC	4D56-TC-2	GalantΣA167		2,346	4	T	91.1 × 2.5 × 3.2	HK BF	ST	CH FE	MD050390
	DIESEL		Galant Sapporo				2	91.1 × 2.0 × 3.9	HK TF	FC	CH PH	MD103391
			Turbo				O	91.1 × 4.0 × 4.2	2F	ST	NT NT	
33979	2F	4D56 TDI				4	T	91.1 × 2.5 × 3.35	HK BF	ST	NT NT	1110A561
	DIESEL						2	91.1 × 2.0 × 3.8	HK TF	FD	CH PH	
							O	91.1 × 4.0 × 4.2	2F	ST	NT NT	
33920	3FAC	6G72	Sigma		2,972	6	T	91.1 × 1.2 × 3.35	BF	ST	NT NT	MD301803
							2	91.1 × 1.5 × 3.8	TF	FC	CH PH	MD354879
							O	91.1 × 3.0 × 2.85	3F	ST	NT NT	MD158334
												MD301803
33430	3F	6G72 BK				6	T	91.1 × 1.2 × 3.3	BF	ST	CH FE	1110B180
							2	91.1 × 1.5 × 3.8	TF	FC	PH PH	
							O	91.1 × 3.0 × 2.85	3F	ST	CH PH	
33890	3F	6G72-C	Debonaires 12A		2,972	6	T	91.1 × 1.5 × 3.55	BF	ST	NT NT	MD104922
			Sigma				2	91.1 × 1.5 × 3.8	TF	FC	CH PH	MD104923
							O	91.1 × 4.0 × 3.2	3F	ST	NT NT	MD104939
												MD104940
												MD129548
33407	2F	6G72-GDI-3			2,972	6	T	91.1 × 1.2 × 3.3	BF	ST	NT NT	MN187664
	DIESEL						2	91.1 × 1.5 × 3.8	TF	FC	PH PH	
							O	91.1 × 2.0 × 2.85	2F	ST	NT NT	
33408	3F	6G72-S4			2,972	6	T	91.1 × 1.2 × 3.35	BF BT	ST	NT NT	MD374009
							2	91.1 × 1.2 × 3.5	TF SP	FC	PH PH	
							O	91.1 × 2.5 × 2.55	3F	ST	CH PH	
33409	3FAC	6G72-S4(NEW)			2,972	6	T	91.1 × 1.2 × 3.3	BF	ST	NT NT	1110A937
							2	91.1 × 1.5 × 3.8	TF	FC	CH PH	
							O	91.1 × 3.0 × 2.85	3F	ST	CH PH	
33428	3F	6G72,S2,S4				6	T	91.1 × 1.2 × 3.25	BF	ST	CH FE	MD329755
							2	91.1 × 1.5 × 3.8	TF	FC	PH PH	MD165949
							O	91.1 × 3.0 × 2.85	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	
33429	3FAC	6G72-MIVEC				6	T	91.1 × 1.2 × 3.25	BF			ST	CH	FE	MD323843
							2	91.1 × 1.5 × 3.6	TF				CH	PH	
							O	91.1 × 3.0 × 2.85	3F				CH	PH	
33860	3FAC	G54 4G54	Debonaire, GalantΣ	2,555	4	T	91.1 × 2.0 × 3.5	BF			ST	CH	PH	MD025089	
			Galant Sapporo			2	91.1 × 2.0 × 3.8	TF				CH	PH	MD026835	
			Dodge Challenger			O	91.1 × 4.0 × 3.2	3F				NT	NT	MD026960	
			Plymouth Sapporo									MD027140			
			Jeep									MD107813 MD107818			
33929	3FAC	G54-C 4G54	Debonaire, Sapporo	2,555	4	T	91.1 × 1.5 × 3.55	BF			ST	NT	NT	MD101895	
			Dodge Challenger			2	91.1 × 1.5 × 3.8	TF				CH	PH		
						O	91.1 × 4.0 × 3.2	3F				NT	NT		
33872	3FAC	G54-T G54-V G54 G54-C 4G54	Starion	2,555	4	T	91.1 × 1.5 × 3.55	BF			ST	NT	NT	MD061258	
						2	91.1 × 1.5 × 3.8	TF				CH	PH	MD080598	
						O	91.1 × 4.0 × 3.2	3F				NT	NT	MD106752	
33931	3FAC	G54-U 4G54 4G64	Starion	2,555	4	T	91.1 × 1.5 × 3.55	BF			ST	NT	NT	MD076170	
						2	91.1 × 1.5 × 3.8	TF				CH	PH		
						O	91.1 × 4.0 × 3.2	3F				NT	NT		
33836	2F DIESEL	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				PH	PH	31617-02013	
			A2, 98AD			3	92.0 × 2.0 × 3.9	TF				PH	PH	31617-05102	
			98B, 98B2, 200C, 200CP, 200CT			O	92.0 × 4.5 × 4.2	2F				CH	PH	31617-05103	
			200F, 210C, 210CD, 210CT, 210F 220, FE100, 120 Jupiter T200CZ, 200F Jeep J24, 24H, 36, 44, 54 Bus B200, 210												
31609	2F DIESEL	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				PH	PH	31717-12013	
			Fork Lift, FD60			3	92.0 × 2.0 × 3.9	TF				PH	PH		
						O	92.0 × 4.5 × 4.2	2F				CH	PH		
33933	3FAC	6G74	Devonair	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				CH	PH	MD369575	
						O	93.0 × 3.0 × 2.85	3F				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				PH	PH		
						O	93.0 × 3.0 × 2.8	3F				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				PH	PH		
						O	93.0 × 2.5 × 2.6	3F				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	
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
															MN187682
															MN187683
															MN187684
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 DIESEL	S4E S4ES	Fork Lift		2,609	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	
33455 1cyl/set	2F DIESEL	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	
33984 1cyl/set	2FAC DIESEL	S4S			2,609	4	T	94.0 × 2.5 × 3.3	HK	BF		ST	NT	NT	32A17-02010
							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 DIESEL	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 DIESEL	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 DIESEL	4M40-NA	Canter Pajero		2,835	4	T	95.0 × 2.36 × 3.4	K	BF		ST	NT	NT	ME202342
							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 DIESEL	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 DIESEL	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	
33467	2FAC DIESEL	4M40-T1	Triton/L200 L400 Delica,Pajero		2,835	4	T	95.0 × 2.358 × 3.4	K	BF		ST	NT	NT	ME201772
							2	95.0 × 2.0 × 3.7	TF	ST		FD	CH	PH	ME995747
							O	95.0 × 4.0 × 2.4	2FAC			ST	NT	NT	ME995748

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	
33968	2FAC	4M42				4	T	95.0 × 2.358 × 3.4	K	BF		ST	NT	NT	ME190317
	DIESEL						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
	DIESEL		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
	DIESEL		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
	DIESEL		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
	DIESEL		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												
31612	2FAC	6DS7	Fuso Truck		5,430	6	T	98.0 × 3.0 × 4.0	HK	BF		FD	CH	PH	ME023333
	DIESEL		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
	1cyl/set						2	98.0 × 2.0 × 4.2		TF	ST	FC	CH	PH	ME024409
	DIESEL						O	98.0 × 5.0 × 4.8	2F			FC	CH	PH	
33956	2FAC	4M41-TI	Pajero			4	T	98.5 × 2.358 × 3.4	K	BF		ST	NT	NT	ME203533
	DIESEL		Triton				2	98.5 × 1.5 × 3.5		TF	BT	ST	NT	NT	1110A851
		4D65					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
	DIESEL						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
	DIESEL						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	Canter,Rosa		3,298	4	T	100.0 × 3.0 × 4.0	HK	BF		ST	CH	FE	ME012010
	DIESEL		Bus,BE211				2	100.0 × 2.0 × 4.2		TF	ST	FC	CH	PH	ME012070
		4D31	Truck FE104,111,114,121,211				O	100.0 × 5.0 × 4.75	2F			ST	NT	NT	

TP No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape			Material	Surface Treatment		Reference
									①	②	③		Outside	Upper/Lower	
33912	2FAC	4D31T DIESEL	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 DIESEL	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 DIESEL	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 DIESEL	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 DIESEL	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 DIESEL				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 DIESEL	Fuso Truck		5,974	6	T	105.0 × 3.0 × 4.2	HK	BF		FD	CH	PH	ME032190
			T654B,654ZR,FK10-3		6,754		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 MK103H,HM504H												ME032404
33923	2FAC	4D33A DIESEL	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 DIESEL	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 DIESEL				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 DIESEL	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 MK115,115H,MM115,515												ME032458
33448	2FAC	6D14-2 DIESEL				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 DIESEL	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	

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	
31604	2F3PS	6DB	Fuso Truck		8,553	6	T	110.0 × 3.5 × 4.4	BF			FD	CH	PH	30017-71002
	DIESEL		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												
			AR470,480,AM480,B820J												
			MAR410,420,440,480,490												
			6W100D,R470,R480												
MR410,420,430,440															
31605	2F3PS	8DB	Fuso Bus		11,404	8	T	110.0 × 3.5 × 4.4	BF			FD	CH	PH	30017-11000
	DIESEL		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
	DIESEL		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
	DIESEL				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		
33443	2FAC	4M50				4	T	114.0 × 2.806 × 3.9	K BF			ST	NT	NT	ME993913
	DIESEL				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		7,545	6	T	118.0 × 2.806 × 3.9	K BF			ST	NT	NT	ME995535
	DIESEL		Aero Midi		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
	DIESEL				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
	DIESEL				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		7,545	6	T	118.0 × 3.0 × 4.6	BF			FD	CH	PH	ME999540
	DIESEL		FK617A,FK618		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
	DIESEL				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
	DIESEL				2	118.0 × 2.5 × 4.6	TF ST			FD	CH	PH			
					O	118.0 × 4.0 × 4.54	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	
33976	2FAC	DIESEL	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	DIESEL	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 1cyl/set	2FAC	DIESEL				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	
33437	2FAC	DIESEL				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 1cyl/set	2FAC	DIESEL				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	
33451 1cyl/set	2FAC	DIESEL	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	
33852	2FAC	DIESEL	Fuso Truck		10,308	6	T	125.0 × 4.0 × 5.0	HK	BF		FD	CH	PH	30917-01012
			FD217R,FR117,117FD,I317				2	125.0 × 3.0 × 5.0		TF	ST	FC	CH	PH	30917-01013
			NP117,INR117,RP117,K202 Bus MP117,117H,517,517H				O	125.0 × 6.0 × 5.45	2F			FC	CH	PH	
33881	2FAC	DIESEL	Fuso Truck		10,308	6	T	125.0 × 3.3 × 5.4	K	BF		FD	CH	PH	ME052145
			FD217R,FP117,117FD				2	125.0 × 3.0 × 5.3		TF	ST	FC	CH	PH	
			NP117JD,K202 Bus MP117,117H,517,517H				O	125.0 × 6.0 × 5.45	2F			FC	CH	PH	
33868	2FAC	DIESEL	Fuso Truck EP318		11,149	6	T	130.0 × 3.296 × 5.4	K	BF		FD	CH	PH	30917-20010
			FT318,FU318				2	130.0 × 3.0 × 5.3		TF	ST	FC	CH	PH	ME052124
			Bus MP118,MP518				O	130.0 × 6.0 × 5.5	2F			FD	CH	PH	
33958	2FAC	DIESEL	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	DIESEL	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	DIESEL	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	DIESEL	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	

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	
33827	2FAC	8DC-2	Fuso Truck		13,273	8	T	130.0 × 4.0 × 5.0	HK	BF		FD	CH	PH	31217-02010
	DIESEL	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												
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
	DIESEL	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
	DIESEL						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
	DIESEL		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
	DIESEL	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												

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	
33874	2FAC	8DC-81	FT,FJ,FV		14,886	8	T	135.0 × 3.306 × 5.4	K	BF		FD	CH	PH	ME062022
	DIESEL	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
	DIESEL	8DC-9T	Tractor FP215,FV215				2	135.0 × 3.0 × 5.5		TF	ST	FC	CH	PH	ME062230
		8DC91					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
	DIESEL	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
	DIESEL		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 1cyl/set	2FAC	8DC10					T	138.0 × 3.306 × 5.5	K	BF		FD	CH	PH	ME090582
	DIESEL						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
	DIESEL		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	
33978 1cyl/set	2FAC	8DC11	KS,Fuso,Aero Bus		16,752	8	T	142.0 × 3.306 × 5.6	K	BF		FD	CH	PH	30617-5011
	DIESEL		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	
33452 1cyl/set	2FAC	8M20				8	T	146.0 × 3.306 × 5.2	K	BF		FD	CH	PH	ME996163
	DIESEL						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	
33453 1cyl/set	2FAC	8M21				8	T	150.0 × 3.306 × 5.2	K	BF		FD	CH	PH	ME996167
	DIESEL						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	

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	

NISSAN

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	
34217	3F	MA12S	Micra	1,235	4	T	71.0 × 1.5 × 2.3	BF	ST	NT	NT	12033-05B10
						2	71.0 × 1.5 × 3.2	TF	FD	PH	PH	
						O	71.0 × 2.7 × 2.75	3F	ST	NT	NT	
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									
	H-P20S,H-VF10,KF10,KPE10											
	PE10,VF10,VP10,VPC20S											
	Cabster											
	Pulser(100A,120A)											
	Vanette(C20)											
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			

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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		
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	
34081	3F	GA14	AD Van		1,400	4	T	73.6 × 1.5 × 2.75	BF			ST	NT	NT	12033-87A00	
		GA14S	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	AD Van		1,400	4	T	73.6 × 1.5 × 2.75	BF			ST	NT	NT	12033-53Y00	
		GA15S	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													
			PGC121,VHB310,311,VHN													
			10,11													
			VYN10,WHB310,A11,LA10													
			Pulser(140A)													
34038	3F	A15	Sunny		1,487	4	T	76.0 × 1.2 × 3.1	BF			ST	CH	FE	12033-H7680	
		A14(NEW)	Pulser		1,397	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	Sunny(210),AD		1,270	4	T	76.0 × 1.5 × 3.2	BF			FD	CH	PH	12033-01M01	
		E15	Van,B11FWD		1,487	2	76.0 × 1.5 × 3.4	TF SP			FC		PH	PH	12033-01M02	
		E13S	Pulser,AD Van			O	76.0 × 4.0 × 3.2	3F			ST		CH	FE	12033-01M10	
		E15S	Datsun,AD Van											12033-01M12		
		E15-T	Laurel Spirit											12033-17M00		
		E16	SENTRA,rangley											12033-17M10	12033-61A00	
34082	3F	GA16	Sunny		1,600	4	T	76.0 × 1.5 × 3.2	BF			FD	CH	PH	12033-57Y00	
		GA16DE	Pulser			2	76.0 × 1.5 × 3.2	TF			FC		PH	PH	12033-57Y01	
			Premera			O	76.0 × 2.8 × 2.85	3F			ST		CH	PH	12033-84A11	
34079	3FAC	GA16-DS	Blue Bird		1,600	4	T	76.0 × 1.5 × 2.75	BF			ST	NT	NT	12033-94M00	
		6A16	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	

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	
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				PH	PH	
							O	76.0 × 2.5 × 2.75	3F				CH	PH	
34112	3F	VQ20	Cefiro		1,995	6	T	76.0 × 1.2 × 2.75	BF BT			ST	CH	FE	12033-31U00
		VQ20DE	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	Caravan(E20)		1,483	4	T	77.95 × 2.0 × 3.7	BF			FC	CH	PH	12033-01W60
		J16	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, VV20												12033-B3030 12033-B8200
			Bus GHK20,HE20,H-VSE20 KT20,SVE20,VE20,VHT20												
34019	3F	L20	Cedric(200C)		1,998	6	T	77.95 × 2.0 × 3.7	BF			FC	CH	PH	12033-73401
		L20A	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	Cedric(200C)		1,998	6	T	77.95 × 2.0 × 3.7	BF			FC	CH	PH	12033-E3030
		L20A	Gloria			2	77.95 × 2.0 × 3.7	TF			FC		PH	PH	12033-V0300
		LPG	Laurel(200L)			O	77.95 × 4.0 × 3.55	3F			ST		CH	PH	12033-V0310
		L20ET	Skyline(200K) FairladyZ(200Z)												12033-V0400
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												
			AG610,A-S30,CRG810												
			S30,SG30,PS30												

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	
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												
34215	3F	HR12DE	MARCH			3	T	78.0 × 1.2 × 2.5	BF			ST	CH	FE	12033-1HC0C
							2	78.0 × 1.2 × 2.7	TF			FC	PH	PH	
							O	78.0 × 2.0 × 2.25	3F			ST	CH	PH	
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 DIESEL	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 C18E C18S	Bluebird		1,809	4	T	83.0 × 1.5 × 3.1	BF			ST	NT	NT	12033-01E00
			Stanza,Auster				2	83.0 × 1.5 × 3.6	TF SP			FC	PH	PH	12033-01E10
			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

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	
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
34023	3F	L16	Bluebird1300		1,296	4	T	83.0 × 2.0 × 3.1	BF			ST	NT	NT	12033-21000
		L13	510,V510,W510		1,428		2	83.0 × 2.0 × 3.4	TF			FC	PH	PH	12033-23000
		L14	Bluebird1400		1,595		O	83.0 × 4.0 × 3.6	3F			ST	CH	PH	12033-A0600
		Z16	N510,VH510												12033-A3500
			Violet(140J)												12033-A3501
			J710,JK710,VJ710												12033-W0700
			Sunny(140Y)												12033-W7110
			A-PB210,PB210												
			Bluebird1600												
			Violet(160J)												
			Auster												
34035	3F	L24	Cedric(240C),ML430		2,393	6	T	83.0 × 2.0 × 3.1	BF			ST	NT	NT	12033-A8620
		L26	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)												
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 DIESEL	SD22	Cedric Diesel(200C)		1,991	4	T	83.0 × 2.5 × 3.15	HK BF			ST	NT	NT	12033-37500
		SD20	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
			S720,SL720,SG720,SLG720												

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	
34054	2F DIESEL	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
34034	2F DIESEL	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 DIESEL	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 CA20A CA20S	Bluebird YU11		1,973	4	T	84.5 × 1.5 × 3.6	BF			FD	CH	PH	12033-04E00
			Cedric NY30				2	84.5 × 1.5 × 3.9	TF SP			FC	CH	PH	12033-04E10
			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 DIESEL	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 DIESEL	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	

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	
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,												12033-U6002
			H510												12033-W0805
			KH510,KP610,P610,U1800												12033-W0815
			1800 Pick-Up												12033-W1600
34040	2F DIESEL	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 DIESEL	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												
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		1,770		2	85.0 × 2.0 × 3.7	TF			FC	PH	PH	12033-D5810
		Z20B	JF30,PC231,P,PG		1,998		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	

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	
34608	3F	L28 L28F	Cedric(280C)		2,753	6	T	86.0 × 2.0 × 3.1	BF	BT		ST	CH		12033-N4200
			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 L28-T L28E	Laurel(280Z)		2,753	6	T	86.0 × 1.5 × 3.35	BF			ST	NT	NT	12033-P7900
			Leopard				2	86.0 × 2.0 × 3.6	TF	ST		FC	PH	PH	12033-P7910
			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	
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		2,000	4	T	86.0 × 1.2 × 3.1	BF	BT		ST	NT	NT	12033-4M802
			Silvia 180SX				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 DIESEL	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 DIESEL	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 DIESEL	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	

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	
34065	3FAC	VG30	Cedric PY30		2,960	6	T	87.0 × 1.5 × 3.1	BF			ST	CH	PH	12033-02P10
			Fairlady				2	87.0 × 1.5 × 3.8	TF			FC	CH	PH	12033-03P00
			Gloria				O	87.0 × 2.8 × 2.95	3F			ST	CH	PH	12033-03P10
															12033-21P10
34189	3FAC	VG30-2	Caraban		2,960	6	T	87.0 × 1.5 × 3.15	BF			ST	NT	NT	12033-17V00
			PY31,KE24,WHYD21,JPY32,				2	87.0 × 1.5 × 3.7	TF			FC	CH	PH	12033-17V01
			Z32,PY32,CZ32				O	87.0 × 2.8 × 2.9	3F			ST	NT	NT	
34181	3FAC	VG30-DE	Gloria		2,960	6	T	87.0 × 1.5 × 3.1	BF			ST	NT	NT	12033-F6500
			Cedric				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	Datsun Truck		2,187	4	T	87.0 × 1.5 × 3.7	BF			FD	CH	PH	12033-06W10
		Z22S	Cabster UW40				2	87.0 × 1.5 × 4.0	TF SP			FC	CH	PH	12033-06W20
		Z22E					O	87.0 × 4.0 × 3.2	3F			ST	CH	FE	12033-D8500
34017	3F	H20	Cedric (Y130)		1,982	4	T	87.2 × 2.0 × 4.05	BF BT			FC	CH	PH	12033-14601
		H20P	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												
			HC240,655,657,662												
			V140,641,A,642,VC655												
			446,A,641,A,V641												
C80,SC80,DSC80															
Bus															
A-KPSE20,CH240,CHWT40															
GC142,240,GHC142,240,															
GHT40															
GHWT40,657,664,H-GKPE20															
KC142,240															
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	

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	
34114	3F	KA24	Largo MH11,W30		2,388	4	T	89.0 × 1.5 × 3.25	BF			ST	CH	FE	12033-53F01
							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 Altima			4	T	89.0 × 1.2 × 3.3	BF			ST	CH	FE	12033-AE003
							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	
34064	2FAC DIESEL	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 DIESEL	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 DIESEL	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 DIESEL	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 DIESEL	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 Elgrand		3,274	6	T	91.5 × 1.5 × 3.25	BF			ST	CH	FE	12033-0W000
							2	91.5 × 1.5 × 4.0	TF			FC	PH	PH	12033-0W010
							O	91.5 × 2.8 × 2.85	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	
34078	2FAC	TD25 DIESEL AD-4	Dutsun Track		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 DIESEL	Dutsun Track		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 DIESEL				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	
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 DIESEL	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 DIESEL 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	
							O	96.0 × 4.0 × 3.95	2F			ST	NT	NT	
34096	2FAC	TD27-2 DIESEL AD-2	Dutsun Track Caraban		2,700	4	T	96.0 × 2.5 × 3.55	BF			ST	NT	NT	12033-6T010
							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 DIESEL	Terrano,Patrol		2,700	4	T	96.0 × 2.5 × 3.75	HK	BF		ST	NT	NT	12033-OW81A
							2	96.0 × 2.0 × 4.0	TF	ST		FC	CH	PH	
							O	96.0 × 3.0 × 3.9	2F			ST	NT	NT	
34159	2F	TD27-4 DIESEL	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 DIESEL AD27T	Datsun Truck Caraban		2,700	4	T	96.0 × 2.5 × 3.75	HK	BF		ST	NT	NT	12033-37N10
							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 DIESEL AD3	Dutsun Jeep Safari,Civilian		4,169	6	T	96.0 × 2.5 × 3.55	BF			ST	NT	NT	12033-06J10
							2	96.0 × 2.0 × 4.0	TF	ST		FC	CH	PH	
							O	96.0 × 4.0 × 3.95	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	
34102	2FAC	TD42T	Datsun,Jeep		4,169	6	T	96.0 × 2.5 × 3.75	HK	BF	ST	NT	NT	12033-05D01	
	DIESEL						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	
	DIESEL						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	
	DIESEL						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	
	DIESEL						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	
	DIESEL						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	
34609	2FAC	ED30	Truck		2,956	4	T	98.0 × 3.0 × 4.2		BF	FD	CH	PH	97011-02139	
	DIESEL		DEYC240,DYC240, DYWT40,EYT40				2	98.0 × 2.0 × 4.2	TF	ST	FC	CH	PH	12033-J2001	
			HYC240,JVYC240,Y40				3	98.0 × 2.0 × 4.2	TF	SP	FD	CH	PH	12033-J2002	
			YC240,YWT40				O	98.0 × 4.5 × 4.5	2F		FC	CH	PH	12033-J2004 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	
	DIESEL						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	
	DIESEL		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	
	DIESEL		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												

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	
34045	2FAC	FD-6	Truck		5,654	6	T	100.0 × 3.0 × 4.2	BF			FD	CH	PH	12040-Z5005/cyl
	DIESEL	ED-6	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	Truck		5,654	6	T	100.0 × 3.0 × 4.2	BF			FD	CH	PH	12040-Z5001/cyl
	DIESEL	ED-6	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
	DIESEL						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
	DIESEL						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	
34152	2FAC	FD6T(NEW)	Truck		5,654	6	T	100.0 × 3.0 × 4.0	HK	BF		ST	CH	FE	12033-Z5504/cyl
	DIESEL						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	
	DIESEL						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
	DIESEL						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
	DIESEL						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
	DIESEL						2	102.5 × 2.0 × 4.2	TF	ST		FC	CH	PH	
					4,617		O	102.5 × 4.0 × 4.25	2F			ST	CH	FE	
34193 1cyl/set	2FAC	A500FET				6	T	108.0 × 2.5 × 3.65	HK	BF		ST	NT	NT	12040-Z5561/cyl
	DIESEL						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
	DIESEL						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
	DIESEL						2	108.0 × 2.0 × 4.5	TF	ST		FC	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			Material	Surface Treatment		Reference
									①	②	③		Outside	Upper/Lower	
34009 1cyl/set	2FT DIESEL	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												
			4R82, 92, 104		4,941	4									
			4RA82, 94, 104, 110												
			R80, RX102, T80, TC80												
		UD-5	81, TE81												
			5R94, 104, 110		6,177	5									
			5RA94, 104, 110												
		UD-6	5TWDC10, 5TWDC10L												
			6R110, 6RA110, 6TC80		7,413	6									
			6TW1Z, 6TW12												
		UD-V8	6TWC13, 6TWDC14												
			U8RA110		9,882	8									
		UD-V12	WD38		14,825	12									
34171 1cyl/set	2FAC DIESEL	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 1cyl/set	2FAC DIESEL	MD92TCI	Big Thumb		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 DIESEL	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 1cyl/set	2FAC DIESEL	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
34048	2FAC DIESEL	PD6T	Truck		10,308	6	T	125.0 × 4.0 × 5.2	K	BF		FD	CH	PH	12040-90028
			CW41				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

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	
34502	2FAC	DIESEL	Truck,Bus		11,670	6	T	133.0 × 4.0 × 5.2	K	BF		FD	CH	PH	12040-90025
			CB30,RB30,CK30				2	133.0 × 3.5 × 5.4		TF		FC	CH	PH	12040-96028
			CK31,CV31,CD32				O	133.0 × 6.0 × 5.7	2F			FD	CH	PH	12040-96128
			V31,UA30,UA31												12040-96531
34155 1cyl/set	2FAC	DIESEL	Truck,Bus		11,670	6	T	133.0 × 4.0 × 5.2	K	BF		FD	CH	PH	12040-90025
			CB30,RB30,CK30				2	133.0 × 3.5 × 5.4		TF		FC	CH	PH	12040-96028
			CK31,CV31,CD32				O	133.0 × 6.0 × 5.7	2F			FD	CH	PH	12040-96128
			V31,UA30,UA31												12040-96531
34049	2FAC	DIESEL	Truck		11,670	6	T	133.0 × 4.0 × 5.3	HK	BF		FD	CH	PH	12040-96225/cyl
			CD45				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 1cyl/set	2FAC	DIESEL	CK20,TK20,CD40,CV40		12,000	6	T	133.0 × 3.0 × 4.95	HK	BF		ST	NT	NT	12040-96517
			CD45				2	133.0 × 2.5 × 5.4		TF ST		FC	CH	PH	
							O	133.0 × 4.0 × 4.4	2F			ST	NT	NT	
34161 1cyl/set	2FAC	DIESEL	Truck		11,670	6	T	133.0 × 4.0 × 5.3	HK	BF		FD	CH	PH	12040-96228
			CD45				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	DIESEL	Truck		12,000	6	T	133.0 × 2.5 × 4.2	HK	BF		ST	NT	NT	12040-96564
			Bus				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 1cyl/set	2FAC	DIESEL	Truck		12,000	6	T	133.0 × 2.5 × 4.2	HK	BF		ST	NT	NT	12040-96564
			Bus				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	DIESEL	Diesel Truck,Bus		14,313	8	T	135.0 × 4.0 × 5.1		BF		FD	CH	PH	12040-97007/cyl
			CV50,CW51,CW52				2	135.0 × 3.0 × 5.5		TF ST		FC	CH	PH	12040-97008/cyl
			CD52,WD18,WD151				O	135.0 × 6.0 × 5.4	2F			FC	CH	PH	12040-90325
			TWA52,RA50 RA51												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 1cyl/set	2FAC	RD-8 DIESEL	Diesel Truck,Bus		14,313	8	T	135.0 × 4.0 × 5.1	BF		FD	CH	PH	12040-97007/cyl	
	DIESEL		CV50,CW51,CW52			2	135.0 × 3.0 × 5.5	TF ST	FC	CH	PH	12040-97008/cyl			
			CD52,WD18,WD151		O	135.0 × 6.0 × 5.4	2F	FC	CH	PH	12040-90325				
			TWA52,RA50								12040-97025				
			RA51								12040-97026				
											12040-97028				
											12040-97126				
													12040-97226		
34504	2FAC	RD-10 DIESEL	Truck,Bus		17,892	10	T	135.0 × 4.0 × 5.1	BF		FD	CH	PH	12040-90229	
	DIESEL		CK60,CW60,CW61		2	135.0 × 3.0 × 5.5	TF	FC	CH	PH	12040-97127				
			WD23,WG30		O	135.0 × 6.0 × 5.7	2F	FC	CH	PH	12040-97227				
34107	2FAC	RE8 DIESEL	Truck		15,000	8	T	135.0 × 3.0 × 4.95	BF		ST	NT	NT	12040-97079	
	DIESEL		A400 RE	CW53,CD53,CW510		2	135.0 × 3.0 × 5.5	TF ST	FC	CH	PH				
					O	135.0 × 5.0 × 5.0	2F	ST	NT	NT					
34123 1cyl/set	2FAC	RE8-2 DIESEL	Truck		15,000	8	T	135.0 × 3.0 × 4.95	BF		ST	NT	NT	12040-97079	
	DIESEL		CW53,CD53,CW510		2	135.0 × 3.0 × 5.5	TF ST	FC	CH	PH					
					O	135.0 × 5.0 × 5.0	2F	ST	NT	NT					
34184 1cyl/set	2FAC	GE13TD DIESEL	Big Thumb		13,074	6	T	136.0 × 2.5 × 3.7	HK BF		ST	NT	NT	12040-00Z07	
	DIESEL				2	136.0 × 2.0 × 3.8	TF BT	FD	CH	PH					
					O	136.0 × 3.0 × 3.65	2F	ST	NT	NT					
34174 1cyl/set	2FAC	A790 RF8TI DIESEL			16,991	8	T	138.0 × 2.5 × 4.1	HK BF		ST	NT	NT	12040-ND000	
	DIESEL				2	138.0 × 2.0 × 4.1	TF	ST	NT	NT					
					O	138.0 × 4.0 × 4.05	2F	ST	NT	NT					
34073	2FAC	RF8 DIESEL	CD520		16,991	8	T	138.0 × 2.5 × 4.95	BF		ST	NT	NT	12040-97072	
	DIESEL				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 1cyl/set	2FAC	RF8-2 DIESEL	CD520		16,991	8	T	138.0 × 2.5 × 4.95	BF		ST	NT	NT	12040-97072	
	DIESEL				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					
34108	2FAC	RF8T DIESEL			16,991	8	T	138.0 × 3.0 × 4.95	HK BF		ST	NT	NT	12040-97101	
	DIESEL		RFT			2	138.0 × 2.5 × 5.6	TF ST	FC	CH	PH				
					O	138.0 × 4.0 × 4.05	2F	ST	NT	NT					
34204 1cyl/set	2FAC	RF8T-2 DIESEL			16,991	8	T	138.0 × 3.0 × 4.95	HK BF		ST	NT	NT	12040-97101	
	DIESEL				2	138.0 × 2.5 × 5.6	TF ST	FC	CH	PH					
					O	138.0 × 4.0 × 4.05	2F	ST	NT	NT					
34175 1cyl/set	2FAC	A790 RG DIESEL			17,990	8	T	142.0 × 2.5 × 4.1	BF		ST	NT	NT	12040-ND001	
	DIESEL				2	142.0 × 2.0 × 4.1	TF	ST	NT	NT					
					O	142.0 × 4.0 × 4.75	2F	ST	NT	NT					
34109	2FAC	RG8 DIESEL	Truck		17,990	8	T	142.0 × 3.0 × 4.95	BF		ST	NT	NT	12040-97103	
	DIESEL		CW530		2	142.0 × 2.5 × 5.8	TF ST	FC	CH	PH					
					O	142.0 × 4.0 × 4.75	2F	ST	NT	NT					
34156 1cyl/set	2FAC	RG8 DIESEL	Truck		17,990	8	T	142.0 × 3.0 × 4.95	BF		ST	NT	NT	12040-97103	
	DIESEL		CW530		2	142.0 × 2.5 × 5.8	TF ST	FC	CH	PH					
					O	142.0 × 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			Material	Surface Treatment		Reference
									①	②	③		Outside	Upper/ Lower	
34176 1cyl/set	2FAC DIESEL	A790 RH			21,205	8/10	T	150.0 × 2.5 × 4.1	BF			ST	NT	NT	12040-ND003
							2	150.0 × 2.0 × 4.1	TF				NT	NT	
							O	150.0 × 4.0 × 4.75	2F				NT	NT	
34110 1cyl/set	2FAC DIESEL	RH8,10	Tractor		21,205	8/10	T	150.0 × 3.0 × 4.95	BF			ST	NT	NT	12040-97105
							2	150.0 × 2.5 × 5.6	TF ST				FD	CH PH	12040-97106
							O	150.0 × 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 Outside Upper/Lower	Reference
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35223	3F	EN07				4	T	56.0 × 1.2 × 2.3	BF BT	ST	CH FE	12033-KA790
							2	56.0 × 1.2 × 2.5	TF BT	FC	PH PH	
							O	56.0 × 2.0 × 2.25	3F	ST	CH PH	
35224	3F	EN				4	T	56.0 × 1.2 × 2.3	BF BT	ST	CH FE	12033-KA421
							2	56.0 × 1.2 × 2.5	TF BT	FC	PH PH	
							O	56.0 × 2.5 × 2.3	3F	ST	CH PH	
35514	3F	EK23	Subaru Rex 550		544	2	T	76.0 × 1.5 × 3.4	TF	FD	CH PH	48003-5400
			K24,K44				2	76.0 × 1.5 × 3.4	TF	FC	PH PH	
			Subaru Sanba 550 Truck, Van K77,K87				O	76.0 × 2.8 × 2.95	3F	ST	CH FE	
35520	3FAC	E42	Subaru Rex		700	2	T	78.0 × 1.2 × 3.15	BF	FD	CH PH	48003-5600
							2	78.0 × 1.5 × 3.45	TF	FC	CH PH	48003-5610
							O	78.0 × 2.8 × 3.45	3F	ST	CH PH	
35521	3F	EF10	Subaru Domingo		997	3	T	78.0 × 1.2 × 3.1	BF	ST	CH FE	48003-5700
							2	78.0 × 1.5 × 3.4	TF	FC	PH PH	
							O	78.0 × 2.8 × 3.4	3F	ST	CH PH	
35516	3F	EA65	Subaru 1300		1,298	4	T	83.0 × 2.0 × 3.1	BF	ST	NT NT	48003-7000
			A65,AB1,AF1,AM1				2	83.0 × 2.0 × 3.4	TF	FC	PH PH	
							O	83.0 × 4.0 × 3.6	3F	ST	CH PH	
35522	3F	EA65-2	Subaru 1300		1,298	4	T	83.0 × 1.2 × 3.3	BF	ST	CH FE	48003-7101
			A65,AM1				2	83.0 × 1.5 × 3.6	TF	FC	PH PH	
							O	83.0 × 4.0 × 3.45	3F	ST	CH PH	
35509	3F	EA63	Subaru 1400		1,361	4	T	85.0 × 2.0 × 3.1	BF	ST	NT NT	38003-0110
			B-A22				2	85.0 × 2.0 × 3.7	TF	FC	PH PH	
			A22,A32,A62				O	85.0 × 4.0 × 3.2	3F	ST	CH PH	
35510	3F	EA71	Subaru Leone 1600		1,595	4	T	92.0 × 2.0 × 4.1	TF	FC	CH PH	38003-4300
		EA81	Subaru Leone 1800		1,781		2	92.0 × 2.0 × 4.1	TF	FC	PH PH	38003-4320
			AB2,AB3,AM2,3,A33,34,67 AF2,5,B-A26,27,H-A67,AW2				O	92.0 × 4.0 × 3.65	3F	ST	CH FE	
35517	3F	EA81-2	Subaru Leone 1600		1,595	4	T	92.0 × 1.2 × 3.5	BF	ST	CH FE	48003-7100
			Sedan				2	92.0 × 1.5 × 3.9	TF	FC	PH PH	
		EA71-2(NEW)	Subaru Leone 1600 Van Subaru Leone 1800 Sedan		1,781		O	92.0 × 4.0 × 4.05	3F	ST	CH FE	
35226	3F	EJ20	LEGACY		1,994	4	T	92.0 × 1.2 × 3.25	BF BT	ST	CH PH	12033-AB820
							2	92.0 × 1.2 × 3.8	TF SP	FC	PH PH	
							O	92.0 × 2.0 × 2.6	3F	ST	CH PH	
35228	3F	EJ20-2	LEGACY		1,994	4	T	92.0 × 1.2 × 3.25	BF BT	ST	CH PH	12033-AB070
			FORESTER				2	92.0 × 1.2 × 3.8	TF SP	FC	PH PH	12033-AB100
							O	92.0 × 2.5 × 2.75	3F	ST	CH PH	12033-AB160 12033-AB220

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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	

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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	BT	ST	CH	FE	12140-73000/cyl
						2	62.0 × 1.5 × 2.8		TF	SP	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	BT	ST	CH	FE	12140-73000/cyl
			Carry Truck, Van			2	62.0 × 1.5 × 2.8		TF	SP	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	

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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 1cyl/set	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												
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	
							O	73.0 × 2.0 × 2.25	3F			ST	NT	PH	12141-58M50-000
35641	3F	K14B	Ciaz		1,372	4	T	73.0 × 1.0 × 2.3		BF	BT	ST	NT	NT	12140M68P10-000
							2	73.0 × 1.2 × 2.5		TF	SP	FC	PH	PH	
							O	73.0 × 2.0 × 2.0	3F			ST	NT	NT	
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 1cyl/set	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	
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	

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	
35592	3F	E12 G16U				4	T	75.0 × 1.2 × 2.75	BF	BT		ST	NT	NT	12140-61G50/cyl
							2	75.0 × 1.2 × 3.2	TF	SP		FC	PH	PH	
							O	75.0 × 2.5 × 2.7	3F			ST	NT	PH	
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	SX-4			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	12140-54GB0
							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 ① ② ③	Material	Surface Treatment Outside Upper/Lower	Reference
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	
36059	3F	1NR	Vios		1,329	4	T	72.5 × 1.2 × 2.5	BF	ST	PV NT	13011-0Y030
							2	72.5 × 1.0 × 2.3	TF SP	ST	FE FE	
							O	72.5 × 2.0 × 2.25	3F	ST	NT 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	
36057	3F	1NZ-FXE-2	Aqua		1,500	4	T	75.0 × 1.0 × 2.3	BF			ST	NT	NT	13011-21111
							2	75.0 × 1.0 × 2.3	TF			ST	FE	FE	
							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	
35974	3F	2NZ-FE	Vitz Funcargo		1,298	4	T	75.0 × 1.2 × 2.5	BF			ST	NT	NT	13011-21050
							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	
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		1,345	4	T	76.6 × 2.0 × 3.5	TF			FC	CH	PH	13011-23010
			VF				2	76.6 × 2.0 × 3.5	TF			FC	PH	PH	13011-23030
			Toyo-Ace PK32,32B				O	76.6 × 4.0 × 3.65	3F			ST	CH	PH	
			Hi-Ace PH10,10B,10D,10P 10SV,10V												
35854	3F	1A 3A	Corolla 1500		1,452	4	T	77.5 × 1.5 × 3.3	BF			FD	CH	PH	13011-15010
			Corona 1500				2	77.5 × 1.5 × 3.4	TF			FC	PH	PH	13011-15011
			Sprinter 1500AE70				O	77.5 × 2.8 × 2.75	3F			ST	CH	PH	13011-15020
			Tercel 1500 Corsa 1500AL12												13011-15021 13011-15031
35811	3F	2R	Corona PT56,RT40,46V,50		1,490	4	T	78.0 × 2.0 × 3.7	TF			FC	CH	PH	13011-31010
			Hi-Lux ARN10,10D				2	78.0 × 2.5 × 3.6	TF SP			FC	PH	PH	13011-31030
			Toyo-Ace PK41,41P,41V				O	78.0 × 4.0 × 3.65	3F			ST	CH	PH	13011-31040
			Stout PK43,47,47P,47V Bus PH15B												
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		1,794	4	T	79.0 × 1.2 × 2.7	BF			ST	NT	NT	13011-22030
			Corolla				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 13011-22090

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	
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			
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	FC	PH	PH	13011-25020				
			Corolla 1400		O	80.0 × 4.0 × 3.7	3F	ST	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	FC	PH	PH	13011-25042				
			DAIHATSU Charmant		O	80.0 × 4.0 × 3.65	3F	ST	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	FC	PH	PH	13011-45040				
			Mark II 2600		O	80.0 × 4.0 × 3.65	3F	ST	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	ST	FE	FE	13011-37140			
						O	80.5 × 1.5 × 2.05	2F	ST	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	FC	PH	PH	13011-31051				
			Hi-Lux		O	80.5 × 4.0 × 3.65	3F	ST	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	FC	CH	PH	13011-31060				
			Hi-Lux		O	80.5 × 4.0 × 3.65	3F	ST	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	1,486	2	80.5 × 1.5 × 3.65	TF	FC	PH	PH	13011-63011				
		5K	Corona,Corolla		O	80.5 × 4.0 × 3.15	3F	ST	NT	PH	13011-63020				
		Vista							13011-63030						
		Lite-Ace, Van Truck							13011-63031						
									13011-13040						
									13011-13050						
									13011-13080						
36056	2F	2ZR-FXE	Prius	1,797	4	T	80.5 × 1.0 × 2.5	BF BT		ST	PV	FE	13011-37110		
			Prius PHV		2	80.5 × 1.0 × 2.3	TF	ST	FE	FE	13011-37260				
			Prius V		O	80.5 × 1.5 × 2.0	2F	ST	PV	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	
36060	2FAC	HS3ZR	Voxy,Noah		1,986	4	T	80.5 × 1.2 × 2.7	BT			ST	PV	NT	13011-37210
							2	80.5 × 1.0 × 2.5	TF SP			ST	CH	FE	
							O	80.5 × 2.0 × 2.75	2F			ST	PV	FE	
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			FC	PH	PH	13011-13110
							O	80.5 × 4.0 × 2.95	3F			ST	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			FC	PH	PH	13011-16011
		4A-L					O	81.0 × 2.8 × 2.9	3F			ST	NT	NT	13011-16031
		4A-C													13011-16032
35908	3F	4AF	Corolla		1,600	4	T	81.0 × 1.5 × 2.75	TF			ST	PH	PH	13011-16130
							2	81.0 × 1.5 × 3.4				FC	PH	PH	13011-16140
							O	81.0 × 3.0 × 2.85	3F			ST	NT	NT	13011-16150
35913	3F	4AFE	Corolla		1,600	4	T	81.0 × 1.2 × 2.8	BF			ST	CH	PH	13011-16280
							2	81.0 × 1.5 × 3.4	TF			FC	PH	PH	13011-16290
							O	81.0 × 3.0 × 2.85	3F			ST	NT	NT	13011-16300
															13011-16340
35951	3F	4AGEU	Corolla,AT190,AE101		1,600	4	T	81.0 × 1.5 × 2.75	BF			ST	PH	PH	13011-16050
							2	81.0 × 1.5 × 3.4	TF			FC	PH	PH	13011-16090
							O	81.0 × 2.8 × 2.9	3F			ST	NT	NT	13011-16180
35910	3F	4AGE	Corolla Sprinter		1,587	4	T	81.0 × 1.2 × 2.8	BF			ST	CH	PH	13011-16200
							2	81.0 × 1.5 × 3.4	TF			FC	PH	PH	13011-16210
							O	81.0 × 2.8 × 2.9	3F			ST	NT	NT	13011-16190
35976	3F	4AG	Corolla		1,587	4	T	81.0 × 1.2 × 2.8	BF			ST	CH	PH	13011-16350
							2	81.0 × 1.5 × 3.4	TF			FC	PH	PH	
							O	81.0 × 3.0 × 2.85	3F			ST	NT	NT	
35989	3F	N4AG	Corolla		1,600	4	T	81.0 × 1.2 × 3.25	BF BT			ST	CH	FE	13011-16230
							2	81.0 × 1.5 × 3.4	TF			FC	PH	PH	
							O	81.0 × 3.0 × 2.6	3F			ST	CH	PH	
35938	3F	7A-FE	Carina,Corona		1,762	4	T	81.0 × 1.5 × 2.75	BF			ST	PH	PH	13011-16320
			Premio				2	81.0 × 1.5 × 3.4	TF			FC	PH	PH	13011-16330
							O	81.0 × 3.0 × 2.85	3F			ST	NT	NT	
36040	3F	2ZZ-GE	Corolla		1,796	4	T	82.0 × 1.2 × 2.9	BF			ST	NT	NT	13011-88601
							2	82.0 × 1.2 × 3.1	TF			ST	FE	FE	
							O	82.0 × 3.0 × 2.55	3F			ST	CH	PH	
35977	2FAC DIESEL	1CD				4	T	82.2 × 2.0 × 2.9	BF			ST	CH	NT	13011-27030
							2	82.2 × 1.5 × 2.7	TF			ST	NT	NT	
							O	82.2 × 3.0 × 3.55	2F			ST	NT	NT	
35996	2FAC DIESEL	1CDA	Corolla		2,000	4	T	82.2 × 2.0 × 2.7	BF			ST	CH	FE	13011-27040
							2	82.2 × 1.5 × 2.7	TF			ST	FE	FE	
							O	82.2 × 3.0 × 3.55	2F			ST	NT	NT	
35917	3F	4S	Caldina		1,838	4	T	82.5 × 1.5 × 3.1	BF			ST	CH	FE	13011-74110
			Camry				2	82.5 × 1.5 × 3.8	TF			FC	PH	PH	13011-74120
			Vista				O	82.5 × 4.0 × 2.9	3F			ST	CH	PH	13011-74121

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	
35859	3F	5M 5M-E(U)	Crown2800,MS112		2,759	6	T	83.0 × 2.0 × 3.5	BF	FD	CH	PH	13011-43010
			CelicaXX2800,MA56	2			83.0 × 2.0 × 3.9	TF	FC	PH	PH	13011-43030	
				O			83.0 × 4.0 × 3.15	3F	ST	CH	PH		
35860	3F	5M-GEU 5M-GE (ECE)	Celica2800GT		2,759	6	T	83.0 × 1.5 × 3.1	BF	ST	NT	NT	13011-43050
			Crown2800	2			83.0 × 1.5 × 3.6	TF SP	FC	PH	PH	13011-43080	
			Soarer2800GT	O			83.0 × 4.0 × 3.15	3F	ST	CH	PH		
35893	3F	7M	Crown,Soarer		2,954	6	T	83.0 × 1.5 × 3.1	BF	ST	NT	NT	13011-42010
				2			83.0 × 1.5 × 3.6	TF SP	FC	PH	PH	13011-42020	
				O			83.0 × 4.0 × 3.15	3F	ST	CH	PH	13011-42030	
											13011-42040		
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 DIESEL	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		
36005	2FAC DIESEL	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 × 3.45	2F	ST	NT	NT		
35923	2FAC DIESEL	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

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	
35825	3F	2T	Corona1600,A-TT10D,11D		1,588	4	T	85.0 × 2.0 × 3.8	BF			ST	CH	PA	13011-26020
		2T-G	Celica TA22,27,A9TA23,28				2	85.0 × 2.0 × 4.0	TF			FC	PH	PH	13011-26040
		3T	Carina TA19V				O	85.0 × 4.0 × 3.65	3F			ST	CH	PH	13011-26041
		12T	Corolla 1600ST TE21,27,41,47,A-TE31,37 41,47,H-TT106V,TT106V												13011-27020
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
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	
36009	2FAC DIESEL	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
		7R	RT60,61,70,71,76,77,84,94		1,591		2	86.0 × 2.5 × 3.9	TF SP			FC	PH	PH	13011-33020
		8R	RT88V,RX10,20,26,RX16V		1,858		O	86.0 × 4.0 × 3.65	3F			ST	CH	PH	13011-33021
			Corona Mark II RT62H,62K,72H,72K,72S												13011-33022 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,				O	86.0 × 4.0 × 2.9	3F			ST	NT	PH	
			Lite Ace												
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

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
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	
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	2	86.0 × 1.5 × 4.0	TF	FC	CH PH	13011-71020
		3Y	Town Ace YR26		1,998	O	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 YR21									(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	2	86.0 × 1.5 × 4.0	TF	FC	CH PH	
		3Y				O	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 13011-46050
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 DIESEL	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	

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	
35924	2FAC	2C-2 DIESEL	Corolla Master Ace		1,974	4	T	86.0 × 2.0 × 3.15	HK	BF		ST	NT	NT	13011-64190
							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 DIESEL	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 DIESEL	Carina, Estima Emina Tamaraw FX		2,000	4	T	86.0 × 2.0 × 3.15	HK	BF		ST	NT	NT	13011-64212
							2	86.0 × 2.0 × 3.1		TF		ST	NT	NT	13011-64213
							O	86.0 × 3.0 × 3.4		2F		ST	NT	NT	
35966	2FAC	3C-T DIESEL	Town-Ace Lite-Ace		2,200	4	T	86.0 × 2.0 × 3.51	HK	BF		ST	NT	NT	13011-64230
							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 DIESEL	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 DIESEL AD				4	T	86.0 × 2.0 × 2.9		BF		ST	NT	NT	13011-26090
							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 DIESEL	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	
36034	2F	1VD-FTV DIESEL				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	
							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	
							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	
							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

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		
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		
							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		
							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		
							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		
							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		
							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		
36031	3F	3VZ-FE 4VZ-FE	Camry Windom		2,958	6	T	87.5 × 1.5 × 3.3	BF	ST	NT	NT	13011-62040	
							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		
						13011-44073								

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	
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
	DIESEL	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
	DIESEL		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
	DIESEL		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		
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
	DIESEL		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				

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		
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
																13011-28240
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
36055	2F	1AR	Camry		2,493	4	T	90.0 × 1.0 × 2.8	BF			ST	NT	NT	13011-36071/70	
		2AR	XV50				2	90.0 × 1.0 × 2.7	TF SP				ST	FE	FE	13011-36060
							O	90.0 × 2.0 × 2.75	2F				ST	NT	NT	13011-36020/30/50
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)	Truck		3,878	6	T	90.0 × 2.0 × 4.0	BF			FC	CH	PH	13011-60040	
			Bus				2	90.0 × 2.5 × 4.0	TF				FC	PH	PH	
			Land Cruiser				O	90.0 × 4.0 × 3.65	3F				ST	CH	FE	
							O	90.0 × 4.0 × 4.0	1F				FC	PH	PH	
35850	2FAC DIESEL	L	Crown Diesel LS110,		2,188	4	T	90.0 × 2.5 × 3.55	BF			ST	NT	NT	13011-54010	
			110G,117				2	90.0 × 2.0 × 3.9	TF				FC	CH	PH	13011-54020
			Mark II/Cressida LX40				O	90.0 × 4.0 × 4.2	2F				ST	NT	NT	13011-54021
			Hi-Ace Van,Truck													
			Hi-Lux LN40													
			Toyo-Ace LY20,30													
35862	2FAC DIESEL	L(NEW)	Blizzard(Jeep)		2,188	4	T	90.0 × 2.0 × 3.35	HK BF			ST	NT	NT	13011-54030	
			Chaser				2	90.0 × 2.0 × 3.9	TF				FC	CH	PH	13011-54031
			Coaster				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													

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	
35887	3FAC	4Y	For Leaded		2,208	4	T	91.0 × 1.5 × 3.35	BF	TF	3F	ST	NT	NT	13011-73020
							2	91.0 × 1.5 × 4.0					CH	PH	13011-73030
							O	91.0 × 4.0 × 2.9					NT	PH	13011-73031
															(13011-73032) 13011-73040
35932	3FAC	4Y(NEW)	For Leaded		2,208	4	T	91.0 × 1.5 × 3.35	BF	TF	3F	ST	NT	NT	13011-73032
							2	91.0 × 1.5 × 4.0					CH	PH	
							O	91.0 × 4.0 × 2.9					NT	PH	
35856	2FACBC DIESEL	2H	Dyna Diesel		3,980	6	T	91.0 × 2.54 × 4.0	HK BF BB	TF	2F	FD	CH	PH	13011-96601
			Land Cruiser				2	91.0 × 2.5 × 4.0					CH	PH	13011-68010
			Fork Lift				O	91.0 × 4.0 × 3.5					CH	PH	13011-68020
35886	2FAC DIESEL	12H-T	Dyna Cruiser HJ61V		3,980	6	T	91.0 × 2.5 × 3.55	HK BF	TF	2F	ST	NT	NT	13011-68030
			Bus Diesel				2	91.0 × 2.5 × 4.0					CH	PH	
			Coaster				O	91.0 × 4.0 × 3.5					CH	PH	
36050	2FAC DIESEL	1GD	Hulix Revo		2,754	4	T	92.0 × 2.0 × 2.85	HK BF	TF	2F	ST	PV	NT	13011-0E010
							2	92.0 × 1.5 × 2.85					NT	NT	
							O	92.0 × 3.0 × 2.95					NT	NT	
35986	2FAC DIESEL	2KD	Hi-lux			4	T	92.0 × 2.0 × 2.9	BF BT	TF	2F	ST	NT	NT	13011-30030
							2	92.0 × 1.5 × 2.85					NT	NT	13011-30031
							O	92.0 × 3.0 × 3.15					NT	NT	
36049	2FAC DIESEL	2KDFTV				4	T	92.0 × 2.0 × 2.9	HK BF	TF	2F	ST	NT	NT	13011-0L070
							2	92.0 × 1.5 × 2.85					NT	NT	
							O	92.0 × 3.0 × 2.95					NT	NT	
35852	3FACBC	22R	Coaster		2,400	4	T	92.0 × 2.0 × 4.2	BF	TF	3F	FC	CH	PH	13011-35010
		22R-A	Celica				2	92.0 × 2.5 × 4.2					CH	PH	13011-35020
		22R-B					O	92.0 × 4.0 × 3.15					CH	PH	13011-35030
35881	3FAC	22R-2	Coaster RB20		2,400	4	T	92.0 × 1.5 × 3.3	BF	TF SP	3F	ST	CH	FE	13011-35040
		22R-E	Land Cruiser				2	92.0 × 1.5 × 4.0					CH	PH	13011-35050
							O	92.0 × 4.0 × 3.2					CH	PH	13011-35052
															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 DIESEL	2L	Chaser		2,446	4	T	92.0 × 2.0 × 3.35	HK BF	TF	2F	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					NT	NT	13011-54061
			Dyna												13011-54100

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	
35899	2F DIESEL	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		TF		ST	CH	FE	
			Corona, Mark II				O	92.0 × 4.0 × 4.25	2F			ST	NT	NT	
			Dyna												
36061	3F	5VZ	Hi-Lux Surf, Granvia		3,378	4	T	93.5 × 1.5 × 3.3		BF		ST	NT	NT	13011-62130
			Land Cruiser Prado				2	93.5 × 1.5 × 3.8		TF		FC	PH	PH	
							O	93.5 × 4.0 × 2.7	3F			ST	NT	NT	
35959	3F	5VZ-FE	Land Cruiser		3,378	6	T	93.5 × 1.5 × 3.55		BF		ST	NT	NT	13011-62100
			Hi-Ace				2	93.5 × 1.5 × 4.0		TF		FC	PH	PH	13011-62110
							O	93.5 × 4.0 × 2.9	3F			ST	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				FC	PH	PH	
			FJ55				O	94.0 × 4.0 × 3.65	3F			ST	CH	PH	
			Land Cruiser FJ40, 45, 55, 60												
36054	3F	2UZ	Land Cruiser		4,663	8	T	94.0 × 1.2 × 3.1		BF		ST	NT	NT	13011-50162
							2	94.0 × 1.2 × 3.9		TF SP		FC	PH	PH	
							O	94.0 × 3.0 × 2.5	3F			ST	NT	NT	
36028	3F	2UZ-FE	Land Cruiser		4,663	8	T	94.0 × 1.5 × 3.2		BF		ST	NT	NT	13011-50141
							2	94.0 × 1.5 × 4.0		TF SP		FC	PH	PH	
							O	94.0 × 4.0 × 2.7	3F			ST	NT	NT	
35882	3FAC	3F	Land Cruiser		4,000	6	T	94.0 × 1.5 × 3.5		BF		ST	CH	FE	13011-61060
							2	94.0 × 1.5 × 4.0		TF		FC	CH	PH	13011-61061
							O	94.0 × 4.0 × 3.25	3F			ST	NT	PH	
35914	3FAC	3F(NEW)	Land Cruiser		4,000	6	T	94.0 × 2.0 × 3.35		BF		ST	NT	NT	13011-61062
							2	94.0 × 2.0 × 4.0		TF		FC	CH	PH	
							O	94.0 × 4.0 × 3.5	3F			ST	NT	PH	
36053	3F	3UR	Land Cruiser		5,663	8	T	94.0 × 1.2 × 3.1		BF		ST	NT	NT	13011-0S011
			Lexus IS-F				2	94.0 × 1.2 × 3.4		TF SP		FC	PH	PH	
			Lexus LS460				O	94.0 × 2 × 2.7	3F			ST	NT	NT	
35968	3F	1GR-FE	Crown			6	T	94.0 × 1.2 × 3.25		BF		ST	CH	FE	13011-31100
			Mark II				2	94.0 × 1.2 × 3.4		TF SP		FC	PH	PH	
							O	94.0 × 2.0 × 2.7	3F			ST	NT	NT	
35898	2FAC DIESEL	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		TF		FC	CH	PH	13011-17011
							O	94.0 × 4.0 × 4.33	2F			ST	NT	NT	13011-17020 13011-17030
35970	2FAC DIESEL	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 DIESEL	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	

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	
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	
36062	3FAC	R1GR	Hi-Lux Surf,FJ Cruiser Land Cruiser Prado,Fortunner Tundra,Hi-Lux		3,955	4	T	94.0 × 1.2 × 2.9	BF			ST	NT	NT	13011-31210
							2	94.0 × 1.2 × 2.9	TF	SP		ST	FE	FE	
							O	94.0 × 2.0 × 2.7	3F			ST	NT	NT	
35952	3FAC	2,3RZ	Hi-Ace,Hi-Lux,Granbia		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 DIESEL	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 DIESEL	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 DIESEL	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 DIESEL	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 DIESEL	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	
35971	2FAC DIESEL	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	

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	
35892	2FAC	DIESEL	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	DIESEL	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	DIESEL	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 1cyl/set	2FAC	DIESEL	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	DIESEL	2B	Land Cruiser BJ41,44 Coaster Diesel BB10,11	3,168	4	T	98.0 × 2.54 × 4.1	HK	BF	BB	FD	CH	PH	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	DIESEL	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	DIESEL	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 1cyl/set	2FAC	DIESEL	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	DIESEL	3Z	Fork Lift	3,469	4	T	98.0 × 2.0 × 3.55	HK	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	DIESEL	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	
35855	2FAC	DIESEL	3B	Dyna Coaster Land Cruiser BJ60 DAIHATSU Delta HINO Ranger HV48	3,431	4	T	102.0 × 2.54 × 3.75	HK	BF		ST	NT	NT	13011-58010
							2	102.0 × 2.5 × 4.3		TF		FC	CH	PH	
							O	102.0 × 4.5 × 4.85	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	
35909	2FAC	3BK DIESEL	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 DIESEL	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 DIESEL	Toyo-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 DIESEL	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 DIESEL	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) DIESEL	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 DIESEL	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) DIESEL	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) DIESEL	Truck		6,494	6	T	105.0 × 3.1 × 4.0	K	BF	BB	FD	CH	PH	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 DIESEL	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 DIESEL	Mega Cruiser		4,100	4	T	108.0 × 3.0 × 4.1		BF		ST	NT	NT	13011-58110
			Toyo-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		Reference
											Outside	Upper/Lower	

DAEWOO

41008	3F 1cyl/set	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	
41020	3F	S-TEC2	Aveo,Sonic,Aveo5,Cruze		1,206	4	T	69.7 × 1.2 × 2.45	BF BT	ST	CH	FE	93744884 24545481
							2	69.7 × 1.2 × 2.8	TF	FC	PH	PH	
							O	69.7 × 2.0 × 2.45	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/ GENTRA			4	T	76.5 × 1.5 × 3.1	BF	ST	CH	FE	93742961
							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 S1220014
			Lanos				2	79.0 × 1.5 × 3.2	TF	FC	PH	PH	
							O	79.0 × 3.0 × 3.05	3F	ST	CH	PH	
41019	3F	E-TEC 2	Lacetti,Lanos,Espero		1,600	4	T	79.0 × 1.2 × 2.7	BF	ST	NT	NT	55581399 93744928
			Nexia,Tacuma				2	79.0 × 1.2 × 3.2	TF SP	FC	PH	PH	
							O	79.0 × 2.0 × 2.95	3F	ST	NT	NT	
41018	3F	T18SED	Excelle 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	

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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	

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	
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	
42051	3F	G4EA	ALPHA 1.3	1,341	4	T	71.5 × 1.2 × 2.6	BF BT	ST	CH	FE	23040-22301
						2	71.5 × 1.2 × 3.0	TF SP	FC	PH	PH	
						O	71.5 × 2.0 × 2.5	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		4	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			4	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			1,400	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	
42060	2F	G4FD	i40			4	T	77.0 × 1.2 × 2.5	BF	BT		ST	PV	FE	23040-2B600
							2	77.0 × 1.2 × 3.1	TF	SP		FC	PH	PH	
							O	77.0 × 2.0 × 2.75	2F			ST	NT	NT	
42058	3F	G4FG	Creta			4	T	77.0 × 1.2 × 2.7	BF			ST	NT	NT	23040-2B800
							2	77.0 × 1.2 × 3.1	TF	SP		FC	PH	PH	
							O	77.0 × 2.0 × 2.55	3F			ST	CH	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	
42057	3F	2K0,Nu Nu,1.8L	Elantra 11 Elantra MD		1,797	4	T	81.0 × 1.0 × 2.7	BF	BT		ST	PV	FE	23040-2E000
							2	81.0 × 1.2 × 3.3	TF	SP		FC	FE	FE	
							O	81.0 × 2.0 × 2.25	3F			ST	PV	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	
							O	82.0 × 2.5 × 3.15	3F			ST	NT	PH	
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 DIESEL	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 DIESEL	D4EA	SANTA FE		1,991	4	T	83.0 × 1.94 × 3.1	K	BF		FD	CH	PH	23040-27920 23040-27950
							2	83.0 × 2.0 × 3.8		TF		FC	CH	PH	
							O	83.0 × 3.0 × 3.25	2F			ST	NT	NT	
42052	2F DIESEL	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	

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	
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
			IX35				2	86.0 × 1.2 × 3.6	TF	SP		FC	PH	PH	
			TUCSON				O	86.0 × 2.0 × 2.55	3F			ST	CH	PH	
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	
42065	3F	G4JS	Sonata/Santa		2,350		T	86.5 × 1.2 × 3.1	BF	BT		ST	CH	FE	23040-38200
							2	86.5 × 1.5 × 3.8	TF	SP		FC	PH	PH	
							O	86.5 × 2.7 × 2.5	3F			ST	CH	PH	
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 DIESEL	D4EB				4	T	87.0 × 2.419 × 3.1	K	BF	BT	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 DIESEL	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	23040-4A920
							O	91.0 × 3.0 × 3.04	2F			ST	NT	NT	
42001	2FAC DIESEL	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 DIESEL	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	
42056	2FAC DIESEL	D4BF-2	Galloper			4	T	91.1 × 2.5 × 3.2	HK	BF		ST	CH	FE	23040-42850
			Grace Turbo				2	91.1 × 2.0 × 3.9	HK	TF		FC	CH	PH	
			Starex Turbo				O	91.1 × 4.0 × 4.2	2F			ST	NT	NT	
42041	2FAC DIESEL	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	

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	
42000	2FAC	DIESEL	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				O	91.1 × 4.0 × 4.1	2F			ST	NT	NT	
			1.25Ton												
42066	3F	LAMBDA II 3.8	Grandeur,Genesis		3,778	6	T	96.0 × 1.2 × 3.1	BF BT			ST	CH	FE	23040-3C200
							2	96.0 × 1.2 × 3.7	TF SP			FC	PH	PH	
							O	96.0 × 2.0 × 2.5	3F			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	
							O	100.0 × 5.0 × 4.7	2F			ST	CH	FE	23040-41060
42061	2FAC	D4GA				4	T	103.0 × 2.808 × 3.7	K BF			ST	NT	NT	23040-48000
							2	103.0 × 2.0 × 4.0	TF ST			FD	CH	PH	
							O	103.0 × 4.0 × 3.65	2F			ST	NT	NT	
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	
42054	2F	D4DD				4	T	104.0 × 3.0 × 3.7	K BF			ST	NT	NT	23040-45500
							2	104.0 × 2.0 × 4.0	TF ST			FC	CH	PH	
							O	104.0 × 3.0 × 3.3	2F			ST	NT	NT	
42062	2FAC	D6DA				6	T	109.0 × 2.76 × 4.5	K BF			FD	CH	PH	KOB1-11-SCO
							2	109.0 × 2.5 × 4.5	TF ST			FD	CH	PH	
							O	109.0 × 4.0 × 4.35	2F			ST	NT	NT	
42029	2FAC	D6CB	HYUNDAI Bus & Truck			6	T	130.0 × 3.306 × 5.4	K BF			FD	CH	PH	23430-84410
							2	130.0 × 3.0 × 5.3	TF			FC	CH	PH	
							O	130.0 × 4.0 × 4.35	2F			ST	NT	NT	
42028	2FAC	D6CA	HYUNDAI Bus & Truck			6	T	133.0 × 3.306 × 5.3	K BF			FD	CH	PH	23430-84000
							2	133.0 × 3.0 × 5.3	TF			FC	CH	PH	
							O	133.0 × 4.0 × 4.4	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	

KIA

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		
43030 1cyl/set	3F	1Y0	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 DIESEL	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		

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	
43027	2F DIESEL	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	
43024	2F DIESEL	NB1(NEW)	New Besta			4	T	86.0 × 2.0 × 3.5	HK	BF	BB	FD	CH	PH	K7Y0-11-SCO
							2	86.0 × 2.0 × 3.6		TF	ST	FC	PH	PH	
							O	86.0 × 4.0 × 3.85	2F			ST	NT	NT	
43013	2FAC DIESEL	R2			2,184	4	T	86.0 × 2.0 × 2.95		BF		ST	NT	NT	K7Y1-11-SCO
							2	86.0 × 2.0 × 3.5		TF	ST	FC	CH	PH	
							O	86.0 × 3.0 × 3.1	2F			ST	NT	NT	
43001	2F DIESEL	SF	K2400,Bongo		2,400	4	T	92.0 × 2.38 × 3.8		BF		FD	CH	PH	K7Z0-11-SCO
							2	92.0 × 2.38 × 3.8		TF		FC	PH	PH	
							O	92.0 × 4.0 × 4.179	2F			ST	CH	FE	
43003	2F DIESEL	SS SUTC	K2700 Besta		2,700	4	T	92.0 × 2.806 × 3.9	K	BF		FD	CH	PH	K480-23-206 K4Z0-11-SCO
							2	92.0 × 2.4 × 3.8		TF		FC	PH	PH	
							O	92.0 × 4.0 × 4.25	2F			ST	CH	FE	
43006	2FAC DIESEL	ZB	K-4100 BOXER COMBI AM815			6	T	92.0 × 2.375 × 3.5		BF		FD	CH	PH	V101-23-206 0527-23-206
							2	92.0 × 2.375 × 3.6		TF	ST	FC	CH	PH	
							O	92.0 × 4.75 × 4.3	2F			FC	CH	PH	
43007	2FAC DIESEL	RFA	Hi-Besta		2,700	4	T	93.0 × 2.0 × 3.15		BF		ST	NT	NT	VNY1-11-SCO
							2	93.0 × 2.0 × 3.7		TF		FC	CH	PH	
							O	93.0 × 3.0 × 3.4	2F			ST	NT	NT	
43009	2FAC DIESEL	JS	K-2700 PREGIO			4	T	94.5 × 2.0 × 3.3		BF		ST	NT	NT	K6Z1-11-SCO 23040-4Z900
							2	94.5 × 2.0 × 4.0		TF	ST	FC	CH	PH	
							O	94.5 × 3.0 × 3.4	2F			ST	NT	NT	
43004	2FAC DIESEL	HA1	K-3000 SUPER TITAN			4	T	95.0 × 2.375 × 3.8		BF		FD	CH	PH	KOYO-11-SCO
							2	95.0 × 2.375 × 3.8		TF		FD	CH	PH	
							O	95.0 × 4.0 × 4.25	2F			ST	CH	FE	
43014	2FAC DIESEL	J3				4	T	97.1 × 2.0 × 3.5	HK	BF		FD	CH	PH	K5Z1-11-SCO
							2	97.1 × 2.0 × 3.9		TF	ST	FC	CH	PH	
							O	97.1 × 3.0 × 3.25	2F			ST	NT	NT	
43010	2FAC DIESEL	JT				4	T	98.0 × 2.0 × 3.55		BF	BT	ST	NT	NT	K7Z1-11-SCO
							2	98.0 × 2.0 × 3.9		TF	ST	FC	CH	PH	
							O	98.0 × 3.0 × 3.15	2F			ST	NT	NT	
43011	2FAC DIESEL	K3600				4	T	100.0 × 2.0 × 3.55		BF		ST	NT	NT	K4Y1-11-SCO
							2	100.0 × 2.0 × 4.2		TF	ST	FC	CH	PH	
							O	100.0 × 3.0 × 3.3	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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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	

AUDI

50084 1cyl/set	3F	CYPA				T	82.5 × 1.2 × 3.0	BF BT	ST	NT	NT	
						2	82.5 × 1.2 × 3.15	TF SP	FC	PH	PH	
						O	82.5 × 2.0 × 2.25	3F	ST	CH	PH	

CHERY

50106	3F	QQ6			4	T	72.0 × 1.2 × 2.75	BF BT	ST	NT	NT	
						2	72.0 × 1.2 × 3.0	TF SP	FC	PH	PH	
						O	72.0 × 2.5 × 2.9	3F	ST	CH	PH	
50105	3F	A11			4	T	80.0 × 1.2 × 3.25	BF BT	ST	CH	FE	
						2	80.0 × 1.5 × 3.3	TF SP	FC	PH	PH	
						O	80.0 × 3.0 × 2.95	3F	ST	CH	PH	
50104	3F	SPERANZA A516			4	T	81.0 × 1.2 × 3.25	BF BT	ST	CH	FE	
						2	81.0 × 1.5 × 3.35	TF SP	FC	PH	PH	
						O	81.0 × 2.5 × 2.9	3F	ST	CH	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	

BMW/MINI

50060 1cyl/set	3F	COOPER 77				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	

DOOSAN

44007	2F DIESEL	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 DIESEL	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	
44011	2FAC DIESEL	DV15 TIS			8	T	128.0 × 3.306 × 5.1	K BF	FD	CH	PH	65.02503-8256
						2	128.0 × 3.0 × 5.2	TF SP	FC	CH	PH	
						O	128.0 × 4.0 × 3.8	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	

GM/CHEVROLET

50096	3F	B12	N200(CHINA) N300			4	T	69.8 × 1.2 × 2.5	BF	ST	NT	NT	
							2	69.8 × 1.2 × 2.9	TF	FC	PH	PH	
							O	69.8 × 2.0 × 2.7	3F	ST	CH	PH	
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 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 1cyl/set	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	
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	
50039	2F	MAREA 82 5CYL				5	T	82.0 × 1.5 × 3.25					5894842
							2	82.0 × 1.5 × 3.5					
							O	82.0 × 3.0 × 3.45					
50040	2F	MAREA 83 5CYL				5	T	83.0 × 1.2 × 3.25					5894858
							2	83.0 × 1.5 × 3.4					
							O	83.0 × 3.0 × 3.45					
50067 1cyl/set	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	
50097 1cyl/set	2F DIESEL	4P10 95.8				4	T	95.8 × 2.306 × 3.9	K BF	FD	CH	PH	MK667801/F1CFA401A
							2	95.8 × 2.0 × 3.9	TF	FD	PH	PH	
							O	95.8 × 2.5 × 3.2	2F	ST	NT	NT	

FORD

50069 1cyl/set	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	
50029 1cyl/set	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	

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 1cyl/set	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 1cyl/set	3F	FOCUS 1.8					T	83.0 × 1.2 × 2.75	BF			ST	CH	FE	
							2	83.0 × 1.2 × 3.3	TF	SP		FC	PH	PH	
							O	83.0 × 2.5 × 2.65	3F			ST	CH	PH	
50068 1cyl/set	2F	DURATORQ 2.2L DIESEL 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 1cyl/set	2F	TRANSIT DIESEL					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	
50053 1cyl/set	2F	PUMA DIESEL					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	
50047 1cyl/set	2F	TRANSIT DIESEL					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	

GAZ

50090 1cyl/set	2F	406 DIESEL	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	
50091 1cyl/set	2F	421 DIESEL	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	

GEELY

50103 1cyl/set	3F	EMGRAND EC7 4G15				4	T	77.8 × 1.2 × 2.75	BF	BT		ST	NT	NT	
							2	77.8 × 1.2 × 3.25	TF	SP		FC	PH	PH	
							O	77.8 × 3.0 × 2.95	3F			ST	CH	PH	

LADA

50008 1cyl/set	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 1cyl/set	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 1cyl/set	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	
50098 1cyl/set	2F	21126				4	T	82.0 × 1.2 × 2.9	BF			ST	NT	NT	21126-1000100-10
							2	82.0 × 1.5 × 3.4	TF			FC	PH	PH	
							O	82.0 × 2.0 × 2.7	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	
50095	2F	VAZ-21900				4	T	82.0 × 1.5 × 3.25	BF			ST	CH	FE	21083-1000100-00
							2	82.0 × 2.0 × 3.5	TF SP			FC	PH	PH	21083-1004029-00
							O	82.0 × 3.95 × 4.0	2F			FC	CH	PH	
50094	2F	ZMZ-40906				4	T	95.5 × 1.75 × 3.7	BF			ST	CH	FE	405.1000100-561
							2	95.5 × 2.0 × 3.75	TF			FC	PH	PH	40524.1000100-10
							O	95.5 × 3.5 × 4.0	2F			ST	CH	PH	

MAN

50110	2F	D2866/40/42	MAN TRUCK				T	128.0 × 3.306 × 5.1	K	BF		FD	CH	PH	NE No.8931200000
1cyl/set	DIESEL	D2848	BUS				2	128.0 × 3.0 × 5.2		TF SP		FC	PH	PH	
							O	128.0 × 5.0 × 4.7	2F			FC	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	
50048 1cyl/set	2F DIESEL	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	
50117 1cyl/set	2F DIESEL	OM611	2,148	T	88.0 × 2.5 × 3.7	BF BT	FD	CH	PH	M# A48910
				2	88.0 × 2.0 × 3.7	TF BT	FC	PH	PH	
				O	88.0 × 3.0 × 4.0	2F	ST	NT	NT	
50092 1cyl/set	2F DIESEL	OM501LA	Actros 6	T	130.0 × 2.917 × 4.7	K BF BT	ST	NT	NT	005 26 NO
				2	130.0 × 3.0 × 5.4	TF SB	FC	PH	PH	
				O	130.0 × 4.0 × 4.4	2F	ST	NT	NT	

OPEL

50083 1cyl/set	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			
50113	3F	Z12XEP	Astra / Agila / Corsa	3	T	73.4 × 1.2 × 2.5	BF	ST	NT	NT	SM# 793556-00-1 M# 01218N0
				2	73.4 × 1.2 × 3.2	TF SP	FC	PH	PH		
				O	73.4 × 2.0 × 2.55	3F	ST	CH	PH		
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		

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	
50080 1cyl/set	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			
50087	3F	Z16XE	ASTRA 1.6		1,598	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			
50119	3F	A16XER			1,600	4	T	79.0 × 1.2 × 2.5	BF		ST	NT	NT	93190365	
							2	79.0 × 1.2 × 3.2	TF SP	FC	PH	PH			
							O	79.0 × 2.0 × 2.85	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	08-321500-00
				2	80.0 × 2.0 × 3.3	TF	FC	PH	PH	08-321507-00
				O	80.0 × 3.0 × 3.6	2F	ST	NT	NT	08-321510-00
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	08-152000-00
				2	83.0 × 2.0 × 3.4	TF	FC	PH	PH	08-152003-00
				O	83.0 × 3.0 × 3.6	2F	ST	NT	NT	08-152007-00 08-152011-00
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	3F	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		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	

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	

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 1cyl/set	2FAC DIESEL	M 733 AT				T	76.0 × 2.0 × 2.75	BF	ST	CH	FE	
						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	GOE# 0810420000
						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	
50107 1cyl/set	2F DIESEL	MIDR/D2066 06.20.45 MIPR,MDS,MIPS	RENAULT TRUCKS MAN			T	120.0 × 3.306 × 5.0	K BF	FD	CH	PH	M # 209 22 V0 5010295586
						2	120.0 × 3.0 × 4.9	BF BT	FC	CH	PH	
						O	120.0 × 4.0 × 4.5	2F	ST	NT	NT	
50109 1cyl/set	2FAC DIESEL	MIDR 135mm 06.35.41	RENAULT TRUCKS AE380/385ti/420ti CBH380/385 CBH320/340/350			T	135.0 × 3.816 × 5.45	K BF	FD	CH	PH	5001014518 M # 209 53 N0
						2	135.0 × 3.0 × 5.5	TF	FC	CH	PH	
						O	135.0 × 4.0 × 4.55	2F	ST	CH	FE	

SKODA

50114	3F	CBZA 1.2L CBZB 1.2L	Audi 1.2L, Seat 1.2L Volkswagen 1.2L	4	T	71.0 × 1.2 × 2.5	BF	ST	NT	NT	SM# 795012-00-4 KS# 800114111000 M# 028RS001300N0
					2	71.0 × 1.2 × 3.0	TF	FC	CH	PH	
					O	71.0 × 2.0 × 2.35	3F	ST	NT	PH	
50066	2F	SKODA 81	SKODA Octavia AVU,BFQ,AQY,APK,AEG,AZH,AZJ VW Caddy, Passat, Golf, Polo Audi, Quattro, BSF	4	T	81.0 × 1.0 × 2.7	BF	ST	NT	NT	06B198151A
					2	81.0 × 1.2 × 3.3	TF SP	FC	PH	PH	
					O	81.0 × 2.0 × 2.0	2F	ST	NT	NT	

SSANGYONG

50079	2F DIESEL	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	602 SOHC/DOHC NEW KORANDO ISTANA	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	

VW

50055	2F DIESEL	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	

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	
50074 1cyl/set	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	
50108 1cyl/set	2F	GOLF 1.6L Diesel AUDI/VOLVO/VW DIESEL	GOLF 1.6L Diesel Passat 1.6 D Santana 1.6 D, T3 1.6 D		1,600		T	76.5 × 1.75 × 3.1	BF			FD	CH	PH	M # 029 55 N3
							2	76.5 × 2.0 × 3.1	TF	BB		FC	PH	PH	069 198 151
							O	76.5 × 3.0 × 3.45	2F			ST	NT	NT	271 356
50118	3F	CFNA			1,600	4	T	76.5 × 1.2 × 2.9	BF			ST	NT	NT	03C198151A
							2	76.5 × 1.2 × 3.0	TF	SP		FC	PH	PH	
							O	76.5 × 2.0 × 2.5	3F			ST	NT	NT	
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 1cyl/set	2F	VW 79.5	(ENG) AMF,ATL,BAY, 1X,1Y,1Z,AAZ,ABL,AEY, AEF,AGD,AGP,		1,422 1,896	3 4	T	79.5 × 1.75 × 2.8	BF			FD	CH	PH	NE# 8950480000
							2	79.5 × 2.0 × 3.3	TF			FC	PH	PH	
							O	79.5 × 3.0 × 3.55	2F			ST	NT	NT	
50111 1cyl/set	2F	VENTO 1.9 D DIESEL	PASSAT 1.9D POLO 1.9D			4	T	79.5 × 1.75 × 3.25	BF			ST	CH	FE	G #08-990105-00
							2	79.5 × 2.0 × 3.3	TF			FC	PH	PH	
							O	79.5 × 3.0 × 3.6	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 1cyl/set	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 1cyl/set	3F	VW BORA				1	T	81.0 × 1.0 × 2.7	BF			ST	NT	NT	NE# 895085000
							2	81.0 × 1.2 × 3.3	TF	SP		FC	PH	PH	
							O	81.0 × 2.0 × 2.75	3F			ST	NT	NT	
50099 1cyl/set	3F	SANTANA VW 1600/1800	GOLF I GOLF II TRANSPORTER T3			4	T	81.0 × 1.5 × 3.4	BF			FD	CH	PH	RRK83016A-20
							2	81.0 × 1.75 × 3.5	TF	SP		FC	PH	PH	
							O	81.0 × 3.0 × 2.95	3F			ST	CH	PH	
50100 1cyl/set	2F	VENTO DIESEL	TRANSPORTER T4			4	T	81.0 × 1.75 × 3.25	BF			FD	CH	PH	-
							2	81.0 × 2.0 × 3.25	TF			FC	PH	PH	
							O	81.0 × 3.0 × 3.6	2F			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 1cyl/set	2F	VW 2.8L-1	FOR 4CYL/ENG FOR 6CYL/ENG			4 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	
50101 1cyl/set	3F	LT35	TRANSPORTER T5			4	T	82.5 × 1.2 × 3.15	BF	BT		ST	NT	NT	NE No.8950522500
							2	82.5 × 1.5 × 3.45	TF	BT		FC	PH	PH	
							O	82.5 × 2.0 × 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
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COMPRESSOR

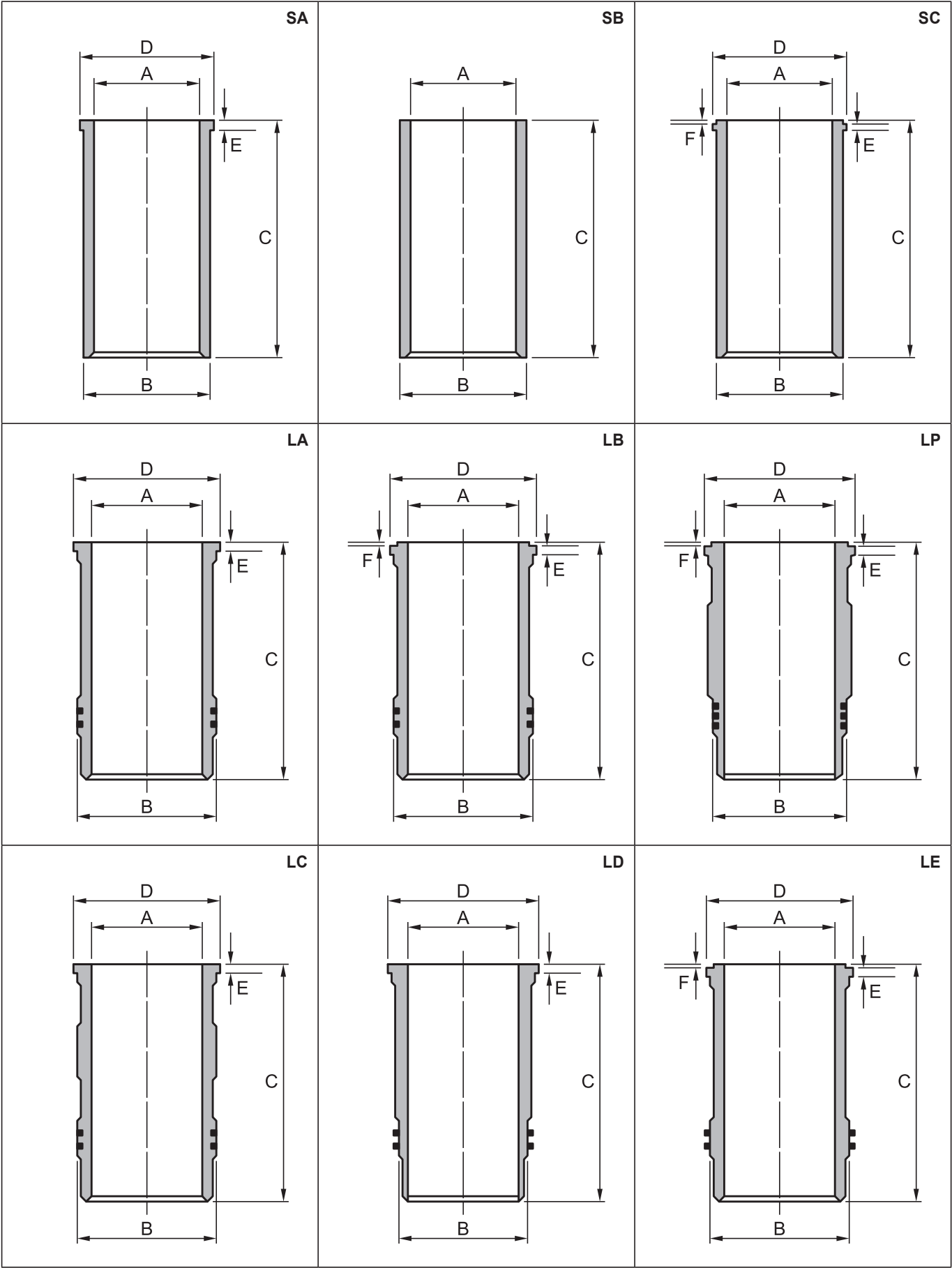
80001 1cyl/set	3F	A/C 70				1	T	70.0 × 3.0 × 3.0	TF	FC	PH PH	
							2	70.0 × 3.0 × 3.0	TF	FC	PH PH	
							O	70.0 × 4.0 × 2.9	3F	ST	CH PH	
80013 1cyl/set	2F	6BG1				1	T	70.0 × 1.5 × 3.0	BF BT	FC	CH PH	
							2	70.0 × 1.5 × 3.0	TF SP	FC	CH PH	
							O	70.0 × 3.0 × 2.0		ST	NT NT	
							O	70.0 × 3.0 × 2.0	2F	ST	NT NT	
80002 1cyl/set	1F	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 1cyl/set	1F	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 1cyl/set	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 1cyl/set	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 1cyl/set	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 1cyl/set	1F	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 1cyl/set	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 1cyl/set	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 1cyl/set	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	

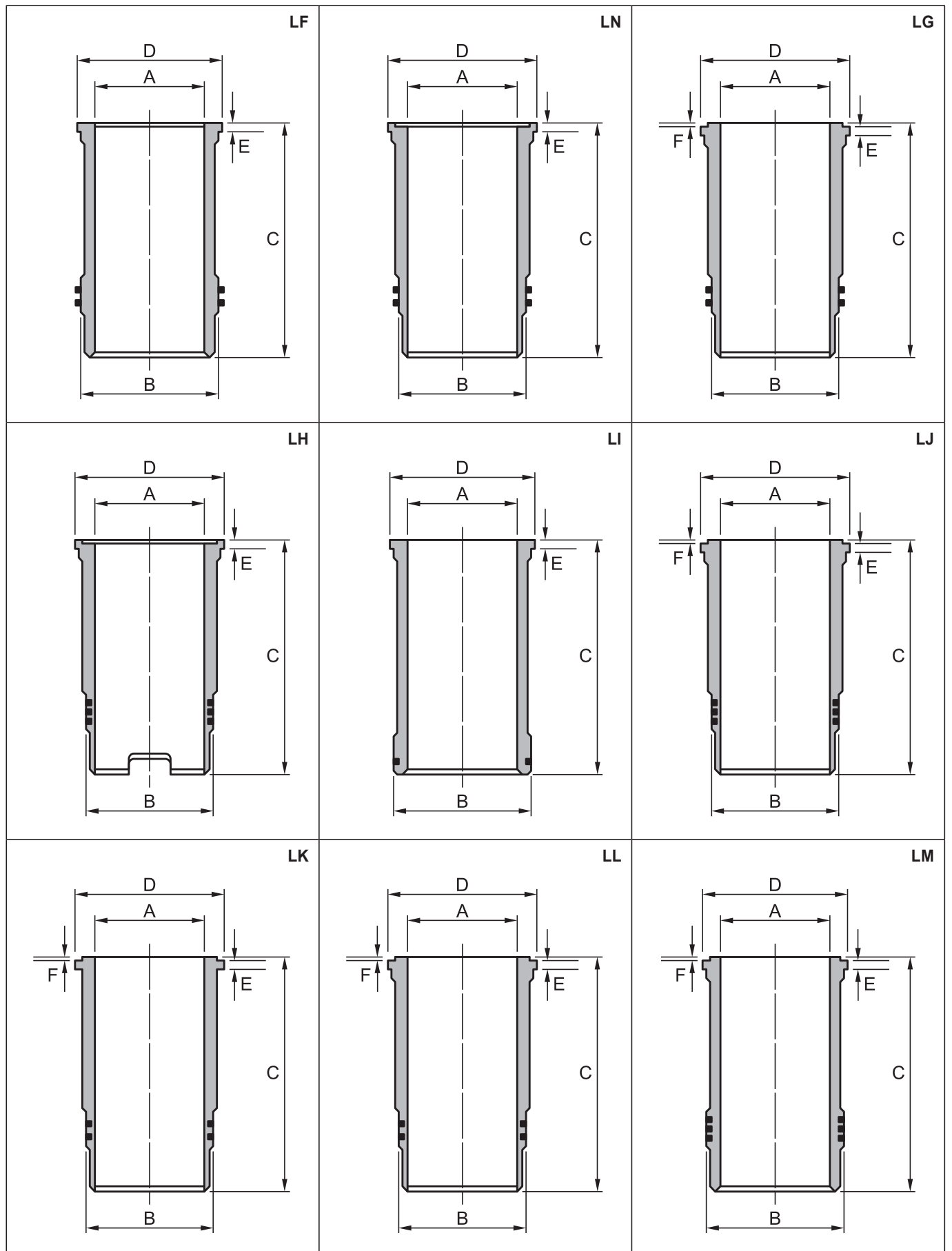
TF No.	Type	Engine Model	Vehicle Chassis	Model	CC	No. Cyl.	Position	Size (mm) d1 × h1 × a1	Shape			Material	Surface Treatment		Reference
									①	②	③		Outside	Upper/Lower	
80014 1cyl/set	2F	FE6T				1	T	85.0 × 2.0 × 3.7	BF	BT		FC	CH	PH	
							2	85.0 × 2.0 × 3.7	TF	SP		FC	CH	PH	
							O	85.0 × 4.0 × 2.4	1F			ST	NT	NT	
							O	85.0 × 4.0 × 2.4	2F			ST	NT	NT	
80011 1cyl/set	1F	88 A/C				1	T	88.0 × 2.5 × 3.7	TF	SP		FC	PH	PH	
							2	88.0 × 2.5 × 3.7	TF	SP		FC	PH	PH	
							O	88.0 × 4.0 × 3.6	1F			FC	PH	PH	
80017 1cyl/set	2F	FAW				1	T	90.0 × 2.5 × 3.7	TF	SP		FC	PH	PH	
							2	90.0 × 2.5 × 3.7	TF	SP		FC	PH	PH	
							O	90.0 × 5.0 × 3.2	2F			ST	NT	NT	
80018 1cyl/set	2F	OM400/420	MB OM400/420/440 MAN D28			1	T	90.0 × 2.5 × 3.7	TF			FC	PH	PH	G # 08-176300-00
							2	90.0 × 2.5 × 3.9	TF	SP		FC	PH	PH	
							3	90.0 × 2.5 × 3.9	TF	SP		FC	PH	PH	
							O	90.0 × 4.0 × 4.1	2F			FC	PH	PH	
80006 1cyl/set	3F	RF8				1	T	95.0 × 2.5 × 4.2	BF			FC	CH	PH	
							2	95.0 × 2.5 × 4.2	TF	SP		FC	PH	PH	
							3	95.0 × 2.5 × 4.2	TF	SP		FC	PH	PH	
							O	95.0 × 4.0 × 3.2	3F			ST	NT	NT	
80052 1cyl/set	1F	Surely 115				1	T	115.0 × 3.0 × 4.8	BF			FC	CH	PH	
							2	115.0 × 3.0 × 4.8	TF	SP		FC	PH	PH	
							O	115.0 × 4.0 × 4.7	1F			FC	PH	PH	
80019 1cyl/set	1F	MYCOM 8B/62B				1	T	130.0 × 4.0 × 5.2	BF			FC	CH	PH	
							2	130.0 × 4.0 × 5.2	TF	SP		FC	PH	PH	
							O	130.0 × 4.0 × 5.2	1F			FC	CH	PH	
							O	130.0 × 6.0 × 5.2	1F			FC	CH	PH	
80051 1cyl/set	1F	Surely 132				1	T	135.0 × 3.0 × 5.4	BF			FC	CH	PH	
							2	135.0 × 3.0 × 5.4	TF	SP		FC	PH	PH	
							O	135.0 × 4.5 × 5.4	1F			FC	CH	PH	
							O	135.0 × 4.5 × 5.4	1F			FC	CH	PH	

[illegible]

CYLINDER LINERS

Liner Type Diagrams





TF No.	PARTS No.	Engine Model	Reference	CC	SEMI/ CR	1Box. Cyl.	No. Cyl.	Type	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)
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
0271F	K03-107253	N04C-TL	S1146-71762 11462-E0170			4	4	SA	104	107	200	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
0267F	K03-117242	J08E-3 J08E-TL	11461-E0100-C 11462-E0080			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
0275F	K03-117246	YJ75 S05D	11467-2941A/2961A 11461-78090/78110			4	4	SA	114	117	186.5	122	8
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

TP No.	PARTS No.	Engine Model	Reference	CC	SEMI/ CR	1Box. Cyl.	No. Cyl.	Type	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)
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
0212F	K03-137048	EF700,750	11467-1081C/1091B/1480B/1900	16,745		2	8	LG	137	153	247.8	165	12.1
0273F	K03-137170	E13C-TL	11462-E0030 11463-E0030 11464-E0030	12,913		6	6	SC	137	142	251	149.6	5
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

TF No.	PARTS No.	Engine Model	Reference	CC	SEMI/ CR	1Box. Cyl.	No. Cyl.	Type	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)
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
0345F	K03-117215	6SD1MTC	111261-2140 111261-2150 111261-2160 111261-2170			6	6	SC	117.9	123	239.2	129.7	6
0346F	K03-117214	6SD1MTCX	111261-2280 111261-2290 111261-2300 111261-2310		GT	6	6	SC	117.9	123	239.2	129.7	6
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 1-11261-363-1	12,068		6	6	SA	132.9	137	265.5	143.7	6
0357F	K03-137169	6RA1 6RB1	1-11261-204-0 1-11261-208-0 1-11261-133-0	13,741		6	6	SA	135	141	264	146.7	6
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 8-98014-043-0 8-97600-240-2 8-97600-241-2			4	4	SA	115	118	183	123.7	6

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

TF No.	PARTS 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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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 ME001337	2,659	SEMI	4	4	SB	91	95	176		
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		
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

MITSUBISHI

TP No.	PARTS No.	Engine Model	Reference	CC	SEMI/ CR	1Box. Cyl.	No. Cyl.	Type	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)
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
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	LP	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

TP No.	PARTS 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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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
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

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

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
0727S	K03-097176	5L	11461-54120	2,985	SEMI	4	4	SB	98.7	103.5	190		
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

MERCEDES

0804F	K03-137168	OM501LA	003 WN 38 01			6	6	LG	130	150.01	258	164.1	10.12
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TF No.	PARTS No.	Engine Model	Reference	CC	SEMI/ CR	1Box. Cyl.	No. Cyl.	Type	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)
DOOSAN													
0801F	K03-107242	DB58				6	6	SA	102	106	204	111.8	4
0805F	K03-117232	D1146	65.01201-0050			6	6	SC	111	115	234	120	5
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

HYUNDAI

0809S	K03-107255	D4GA	21131-52910		SEMI	4	4	SB	102	107	207.65		
0807S	K03-107250	D4DD	21131-45900		SEMI	4	4	SB	103	109	198		
0806F	K03-107249	D6DA	0K87T-10311			6	6	SC	109	114	203	118	6
0808F	K03-117248	D6BR	21131-93010			6	6	SC	118	122	206	128	8

[illegible]

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0222-23-130	UB,VB	33714	42
0222-23-206	UB,VB	33714	42
0249-23-170A	PB	33715	40
0249-23-206	PB	33715	40
0259-23-170A	PB	33715	40
0259-23-206	PB	33715	40
0268-23-170	PC	33711	40
0268-23-170A	PC	33711	40
0268-23-206	PC	33711	40
0271-23-206	PC	33711	40
0290-23-130	VB,NA	33719	41
0305-23-130	VB,NA	33719	41
0317-23-130	PC	33711	40
0317-23-175	PC	33711	40
0324-23-130	TC	33717	40
0324-23-175	TC	33717	40
03C198151A	CFNA	50118	117
04130-47010	3NR	36032	86
0453-23-130	VC	33728	42
0453-23-130B	VC	33728	42
0484-23-130	VB,NA	33719	41
0494-23-130	VB,NA	33719	41
0527-23-206	XB	33730	44
0527-23-206	ZB	43006	110
0528-23-206	XB	33730	44
0552-23-180	VA	33725	42
0552-23-190	VA	33725	42
0559-23-206	XA	33721	43
0559-23-207	XA	33721	43
0571-23-170	UA(NEW)	33726	41
0571-23-180	UA(NEW)	33726	41
0603-23-170A	UA	33724	41
0603-23-999	UA	33724	41
06-113500-00	PUMA	50053	113
0636-23-206	XA	33721	43
0636-23-207	XA	33721	43
0636-23-210	XA	33721	43
069 198 151	GOLF 1.6L Diesel	50108	117
06B198151A	SKODA 81	50066	116
0727-23-206	YA	33723	43
0727-23-207	YA	33723	43

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0728-23-206	YA	33723	43
0728-23-207	YA	33723	43
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08-152000-00	XUD9	50056	115
08-152003-00	XUD9	50056	115
08-152007-00	XUD9	50056	115
08-152011-00	XUD9	50056	115
08-321500-00	XUD7	50054	115
08-321507-00	XUD7	50054	115
08-321510-00	XUD7	50054	115
0K2Y3-11-SCO	CARENS	43020	109
0K3Y0-11-SCO	B3	43012	109
0K3Y2-11-SCO	B3	43012	109
0K3Y3-11-SCO	SPECTRA 1.6	43025	109
0K9YV-11-SCO	2.5EGI	43019	109
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	37
1-12121-022/cyl	D920	32522	37
1-12121-023/cyl	E120	32525	38
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/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
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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

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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
1-12121-115-0/cyl	6BG1-TC	32703	34
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1-12121-127/cyl	6WA1TC	32641	37
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
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1-12121-148-1/cyl	6TD1	32717	39
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	36
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
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1-12181-058/cyl	10PB-1	32562	36
1-12181-060/cyl	10PA-1	32548	36
1-12181-061/cyl	10PB-1	32562	36
1-12181-068/cyl	DH100	32508	36
1-12181-069/cyl	10PB-1	32562	36
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1-12181-111-0/cyl	DA220A	32540	31
1-12181-128/cyl	DA120A	32517	31
1-12181-128/cyl	DA120A	32688	31
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1110A497	6G75	33993	57
1110A561	4D56 TDI	33979	54
1110A822	4B12	33992	53
1110A851	4M41-TI	33956	57
1110A937	6G72-S4(NEW)	33409	54
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1110B099	4G94-S4	33966	51
1110B100	4G94-S4	33966	51
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1110B587	6G74-FFV 93	33412	56
1110B654	4M41-PSU	33423	57
1110B685	3G83	33460	46
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1110B699	3,4A92	33464	48
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1110B806	6G75	33993	57
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12033-0W010	VG33	34132	72
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12033-0W814	ZD30T	34137	74
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12033-17F00	CA18ET	34066	67
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12033-21P10	VG30	34065	71
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13011-16320	7A-FE	35938	90
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13011-16350	4AG	35976	90
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13011-17010	1HZ	35898	99
13011-17011	1HZ	35898	99
13011-17020	1HZ	35898	99
13011-17030	1HZ	35898	99
13011-17040	1HD-FTE	35970	99
13011-1710	EL100	32230	15
13011-1720	EB300	32217	15
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13011-18030	1PZ	35949	99
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13011-1931	EM100	32283	16
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13011-2160	EG100	32220	17
13011-2170B	EF700	32227	18
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13011-22011	3K	35815	87
13011-22030	1,3,4ZZ	35950	88
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13011-22090	1,3,4ZZ	35950	88
13011-22100	1,3,4ZZ	35950	88
13011-2210A	EK100	32226	17
13011-2210A	EK100	32292	17
13011-22111	1,3,4ZZ	35950	88
13011-22140	TZZ-FE	36021	89
13011-22200	1,3,4ZZ	35950	88
13011-2221A	EK100	32226	17
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13011-22220	1,3,4ZZ	35950	88
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13011-26020	2T	35825	92
13011-26040	2T	35825	92
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13011-28101	2AZ-FE	35967	97
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13011-3111A	P11C	32264	16
13011-3112A	P11C	32264	16
13011-31130	2GR-FE	36002	100
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13011-31150	2GR-FE	36002	100
13011-31170	3GR-D4	35998	95
13011-31180	3GR-FE	36020	95
13011-31210	R1GR	36062	100
13011-3150	F17C	32248	18
13011-3150	F17C	32279	18
13011-3160	F17C	32248	18
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13011-35070	22R-2	35881	98
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13011-37050	21R	35853	91
13011-37060	21R	35853	91
13011-37070	21R-2	35880	91
13011-37071	21R-2	35880	91
13011-37090	1,2,3ZR	36036	89
13011-37110	2ZR-FXE	36056	89
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13011-37160	1,2,3ZR	36036	89
13011-37210	HS3ZR	36060	90
13011-37260	2ZR-FXE	36056	89
13011-3731A	S05C	32259	15
13011-3750B	EK100	32226	17
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13011-3800A	P11C	32264	16
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13011-40030A	1KR-FE	31056	8
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13011-43010	5M	35859	91
13011-43030	5M	35859	91
13011-43050	5M-GEU	35860	91
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13011-44011	5R	35810	95
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13011-44043	5R	35905	95
13011-44060	5R	35810	95
13011-44060	5R	35905	95
13011-44061	5R	35810	95
13011-44061	5R	35905	95
13011-44062	5R	35810	95
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13011-44063	5R	35810	95
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13011-46050	2JZ-GE	35946	93
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13011-47021	H	35848	96
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13011-48013	J	35837	96
13011-48021	J	35837	96
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13011-48023	2J(NEW)	35838	96
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13011-50040	1UZ-FE	35947	95
13011-50060	1UZ-FE-2	35948	95
13011-50110	1UZ	36027	95
13011-50141	2UZ-FE	36028	99
13011-50162	2UZ	36054	99
13011-51030	1VD-FTV	36034	94
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13011-52010	4V	35842	91
13011-54010	L	35850	97
13011-54020	L	35850	97
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13011-54030	L(NEW)	35862	97
13011-54031	L(NEW)	35862	97
13011-54032	L(NEW)	35862	97
13011-54040	L(NEW)	35862	97
13011-54041	L(NEW)	35862	97
13011-54042	L(NEW)	35862	97
13011-54050	2L	35867	98
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13011-54061	2L	35867	98
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13011-56013	B(NEW)	35840	100
13011-56021	B(NEW)	35840	100
13011-56022	B(NEW)	35840	100
13011-56030	11B	35889	100
13011-56040	11B,B	35901	100
13011-56050	11B-2	35971	100
13011-567-325/cyl	N360	32333	20
13011-57010	2B	35851	101
13011-58010	3B	35855	101
13011-58011	3BK	35909	102
13011-58030	13B	35890	102
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13011-58060	14B-T	35903	102
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13011-60011	F	35806	97
13011-60040	F(NEW)	35835	97
13011-601-000/cyl	N360	32333	20
13011-61010	2F	35836	99
13011-61060	3F	35882	99
13011-61061	3F	35882	99
13011-61062	3F(NEW)	35914	99
13011-62040	3VZ-FE	36031	95
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13011-62110	5VZ-FE	35959	99
13011-62120	5VZ-FE	35959	99
13011-62130	5VZ	36061	99
13011-63010	1S-U	35861	89
13011-63011	1S-U	35861	89
13011-63020	1S-U	35861	89
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13011-64020	1C	35865	91
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13011-64130	1C-A	35900	91
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13011-64170	2C-A	35911	93
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13011-642-003/cyl	EB5	32346	20
13011-642-004/cyl	EB5	32346	20
13011-64210	2C-T-2	35965	94
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13011-64220	1C-A	35900	91
13011-64220	1C-A	36005	91
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13011-642-305/cyl	EB5	32346	20
13011-65021	3VZ-FE	35934	95
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13011-657-670/cyl	ED	32351	21
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13011-66020	1FZ-2	36015	101
13011-66021	1FZ	35941	101
13011-67030	1KZ	35937	101
13011-671-000/cyl	ED	32351	21
13011-671-004/cyl	ED	32351	21
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13011-676-005/cyl	EK	32357	22
13011-676-601/cyl	EK	32357	22
13011-676-602/cyl	EK	32357	22
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13011-689-015/cyl	EK	32357	22
13011-69021	F	35806	97
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13011-70010	1G	35858	87
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13011-71020	1Y	35869	93
13011-71030	1Y	35869	93
13011-71031	1Y	35869	93
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13011-71040	1Y	35869	93
13011-73020	4Y	35887	98
13011-73030	4Y	35887	98
13011-73031	4Y	35887	98
13011-73032	4Y(NEW)	35932	98
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13011-73071	Y-P	36000	94
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13011-74020	2S	35866	91
13011-74030	2S	35866	91
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13011-74110	4S	35917	90
13011-74120	4S	35917	90
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13011-74150	5S-FE	35988	94
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NEW PACKAGING for CYLINDER LINERS

OLD



NEW



OLD



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 لقد قمنا بتعديل التصميم الخارجي لتغليف منتج الاسطوانة , كما وعدنا في الرقم المعروض على الملصق الخارجي للأسطوانة.

TPR نے اپنے سیلنڈر لائنر کی پیکنگ کا ڈیزائن تبدیل کرنے کے ساتھ لیبل پر پارٹ نمبر کا انداز بھی تبدیل کر دیا ہے۔

TPR CO.,LTD.

<http://www.tpr.co.jp>

NEW PACKAGING for CYLINDER LINERS

OLD



NEW

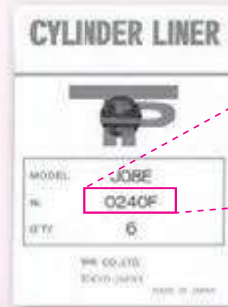


OLD



K03-117191

NEW



O240F

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

TPR变更了气缸套的包装箱设计以及标签上的编号。请注意!

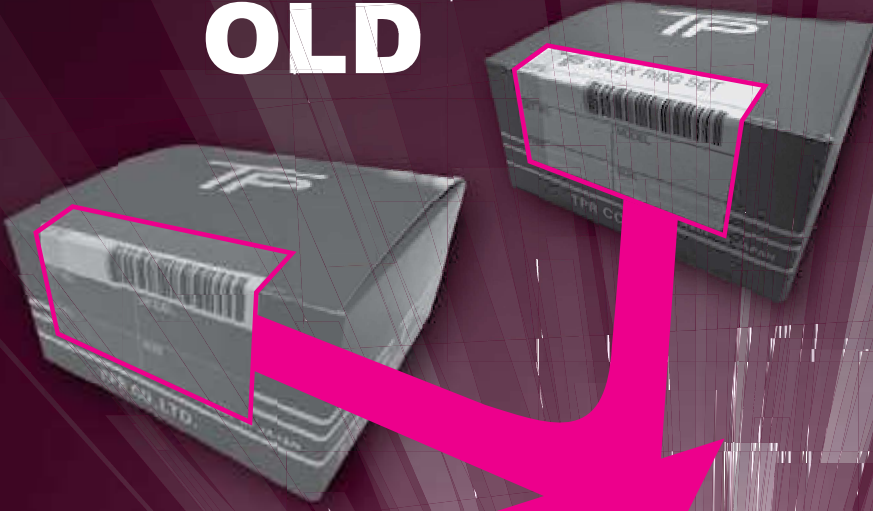
La fabrica TPR ha cambiado el diseño de la caja y la presentación del código para las camisas en la etiqueta.

TPR CO.,LTD.

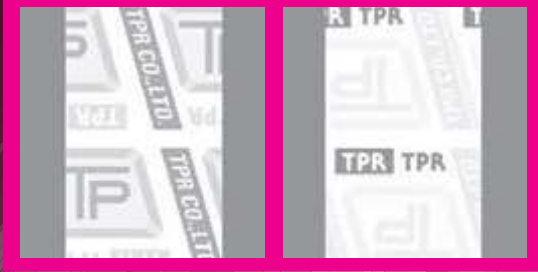
<http://www.tpr.co.jp>

NEW LABEL OF TP RING

OLD



NEW!



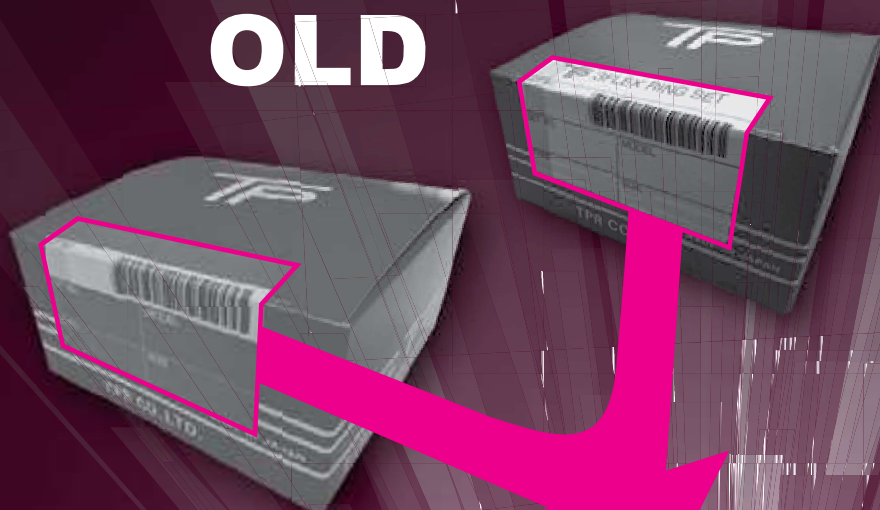
New design will be available soon, and old design also might be seen in shops with new one for the time being.

سنقوم بتجديد ختم التسمية على علبة TP وذلك وفقا أحدث إصدارات التكنولوجيا كما هو موضح ادناه سيتم الاعلان عن التصميم الجديد للملصق قريبا يرجى الانتباه انه سيكون مركب مع التصميم الاول في الوقت الراهن

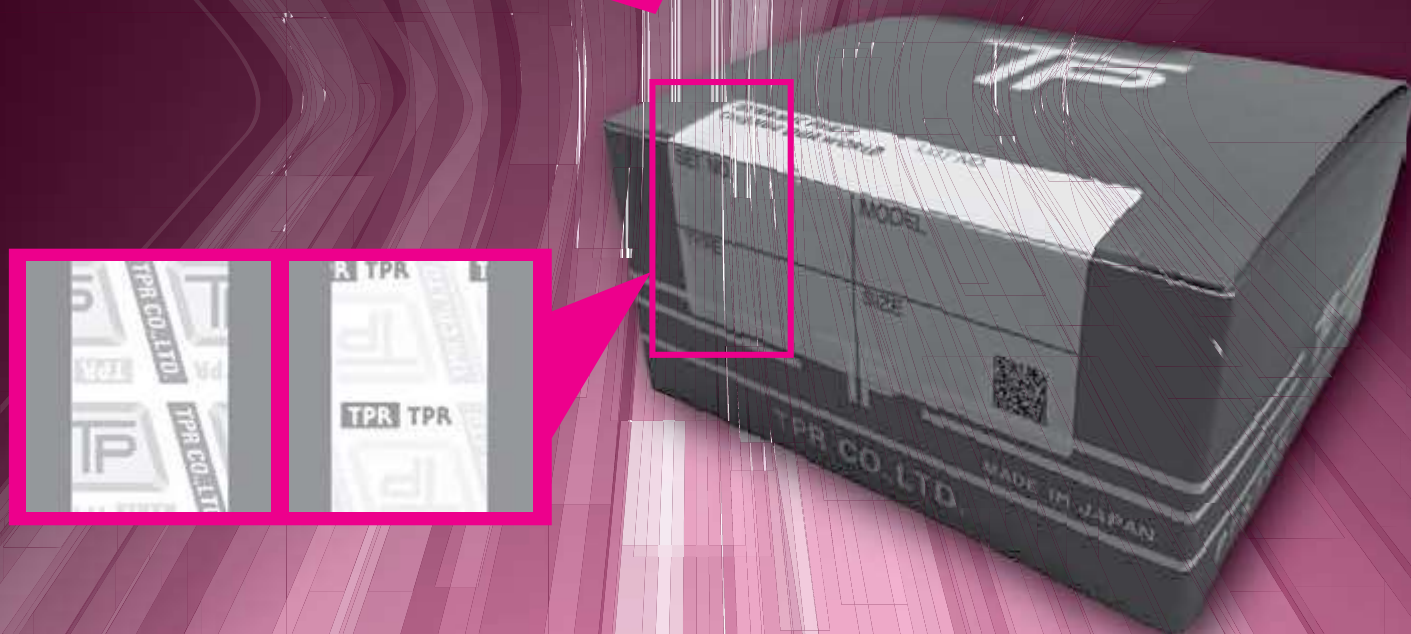
TP کے ڈبے پر پرانا اسٹیکر لیبل جدید ٹیکنالوجی کے حامل اسٹیکر لیبل سے تبدیل کیا جا رہا ہے۔
نیا ڈیزائن جلد ہی متعارف کروایا جائے گا۔
اس بات کا خیال رہے کہ فی الحال پرانا لیبل بھی نئے لیبل کے ساتھ آتا رہے گا۔

NEW LABEL OF TP RING

OLD



NEW!



New design will be available soon, and old design also might be seen in shops with new one for the time being.

我们将变更TP包装盒上的密封标签,新的式样即将推出。
在更换期间,新旧式样会同时存在,敬请谅解。

Las etiquetas en las cajas de TP cambiarán como se muestra arriba.
El nuevo diseño será disponible pronto mientras que los antiguos diseños podrían ser encontrados en los almacenes hasta que se agoten las existencias.

TP ENGINE TROUBLE TRACER

USE RELIABLE PARTS
TO AVOID UNEXPECTED ENGINE PROBLEMS

											● direct cause △ indirect cause									
	Parts	Problem	Inappropriate Use							Inadequate Maintenance						Others				
			Intake dust	Foreign matter in the fuel	Inferior fuel	Unsuitable oil	Over loading	Over revving	Over heating	High load low engine speed	Engine oil			Intake		Cooling water	Past its life span	Parts		
											Deterioration	Foreign matter in the fuel	Insufficient quantity	Dust contamination	Cleaner clogging	Insufficient quantity		Anomaly	Misassembly	Wrong part assembled
Oil leaking into combustion chamber		Scuffing			△	●	△	●						△		●	△			
		Anomalous wear	●	●	△	●	△			●	●	●	●	●						
		Excessive closed gap	△	△	△						△	△								●
		Breakage	△	△	△			●	△			△		△	△		△		△	△
		Deformation					△		△								●	△	△	
		Ring sticking		△	△	●		●	●	●	△	△	△							△
		Carbon deposition on top land		△	●	●			△		△	△	△							
		Piston scuffing					●		●		△					●	●			△
		worn ring groove	●	●	△	●		●									●			
		Deformation					△		●							△		●	●	
		Wear	●	●	△	●	△		△	△	●	●	△	●	●	△				
		Cavitation erosion					△		△											
Oil failing	 Valve	Wear	●			●		△			●	●		△				△	△	
	 Valve Guide	Wear	●			●		△			●	●		△				△	△	
	 Valve Seal	Wear	●		△	●		△			●	●		●	●			△		
Oil leaking	 Turbo Charger	Worn shaft	●			●			△			●	△	●	●					
		Seeling degradation	●			●			△			●	△	●	●					



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