



PREMIUM PISTON RING

AUTOMOTIVE



CAPT. ENGINE TECHNOLOGY Inc.



PREMIUM PISTON RINGS

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Hard Chromium Plating (Cr)

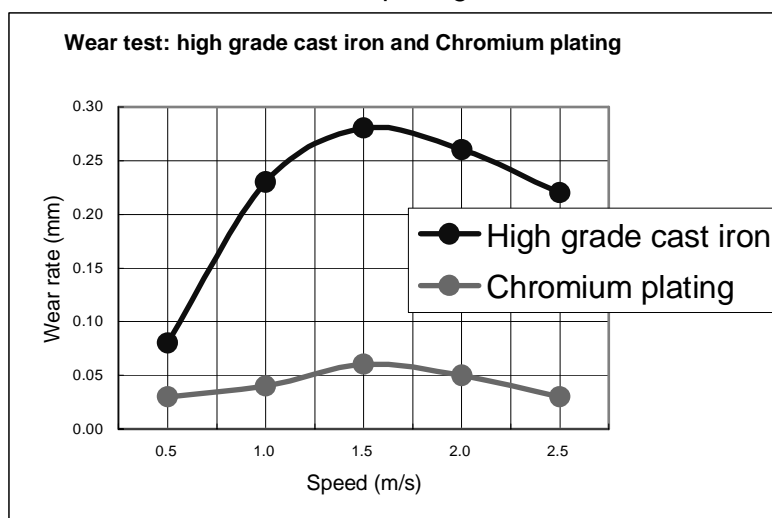
The hard Chromium plating layer has excellent characteristics which combine the original properties of Chromium metal with the advantages of electro-deposits. The main features of hard Chromium plating as follows:

1. Extremely high hardness of HmV 800 to 1100.
2. Highly melting point of approx. 1800
3. Good thermal conductivity and corrosive resistance.
4. Low friction factor and excellent wear resistance, Such features are very effective in preventing piston ring wear.

With the development of this hard Chromium plating, engine performance has been greatly improved, It is applied to piston rings for medium sized engine as well as small sized engines, Plus Chromium plating which has oil retaining properties is used for high pressure compressors.

Wear resistance of hard Chromium plating:

The following table shows the results of friction and wear tests on high grade cast iron and hard chromium plating. Gray cast iron was used for the mating material. As shown, it is evident that wear resistance of hard Chromium plating is about 7 to 8 times higher than cast iron.



Main Structural Materials for Piston Ring

STEEL

R-SP is a steel selected and improved as material suitable for piston rings. It is used to produce compression rings. It is also used for high-performance oil ring [DIESELVENT-M] for diesel engines. R-SS is easy to form, excellent in spring characteristics and highly resistive to permanent set in thermal fatigue. It is widely used for combination oil ring [RVENT] spacer in various engine versions.

HI-R

HI-R is a high elastic material and it shows a modulus of elasticity of 147 to 167 GPa which is close to steel modulus of elasticity 196 GPa. The reason for this is that the configuration of graphite wear resistance which is top ranked among currently available cast iron types. HI-R is suitable for such applications as automobiles, vessels, construction equipments, aircraft which require high modulus of elasticity and break-resistance.

R-S

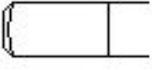
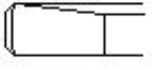
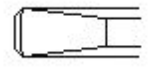
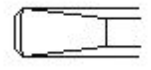
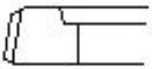
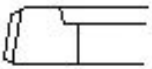
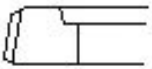
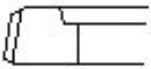
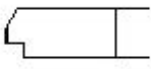
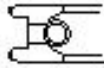
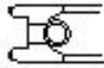
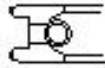
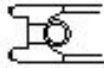
R-R is a tough cast iron provided with excellent physical and mechanical properties by a special refining process without addition of any alloying element. It offers adequate elastic modulus and hardness, is easy to break in and is relatively high in shock resistance.

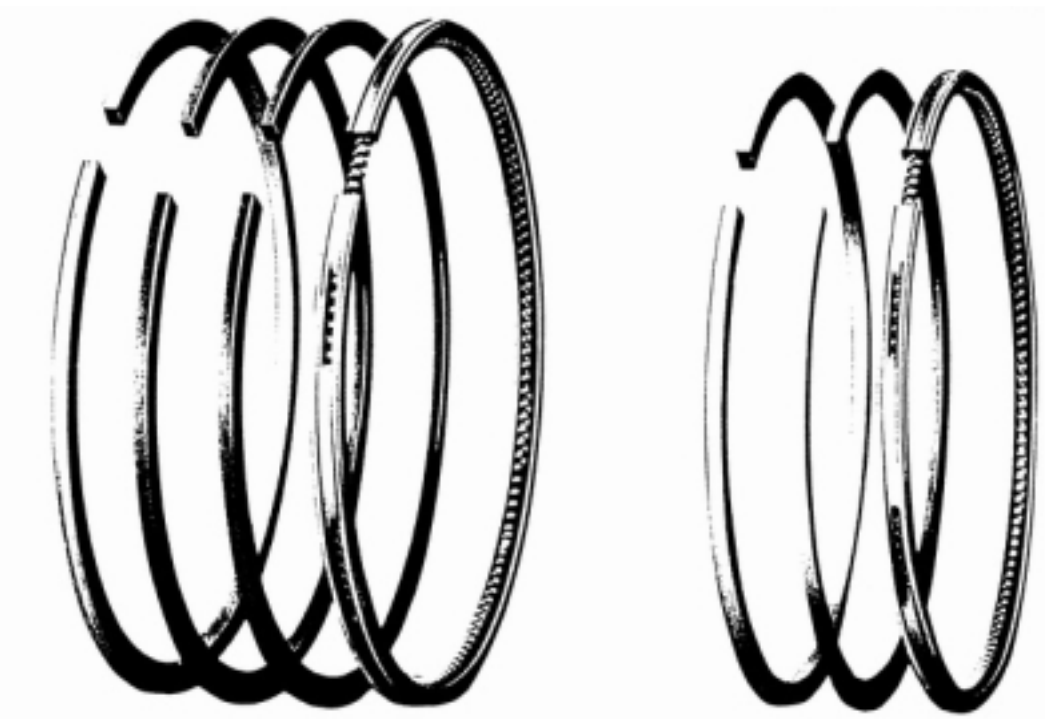
Available Ring Sets

[X Series]

This piston ring features the use of the coil expander installed in the inner surface of the oil ring to enhance conformability to the wall surface of cylinder, ensuring high oil scraping capability. It is extensively used with piston in high performance diesel engines and gasoline engines of passenger cars, buses, trucks and construction vehicles.

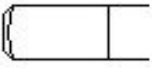
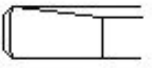
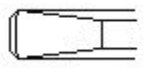
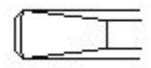
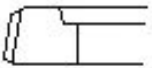
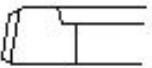
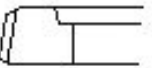
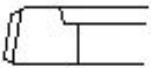
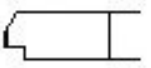
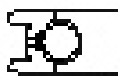
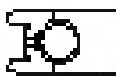
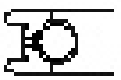
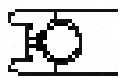
Another advantage is that it is highly effective in reducing oil loss due to a deformed cylinder.

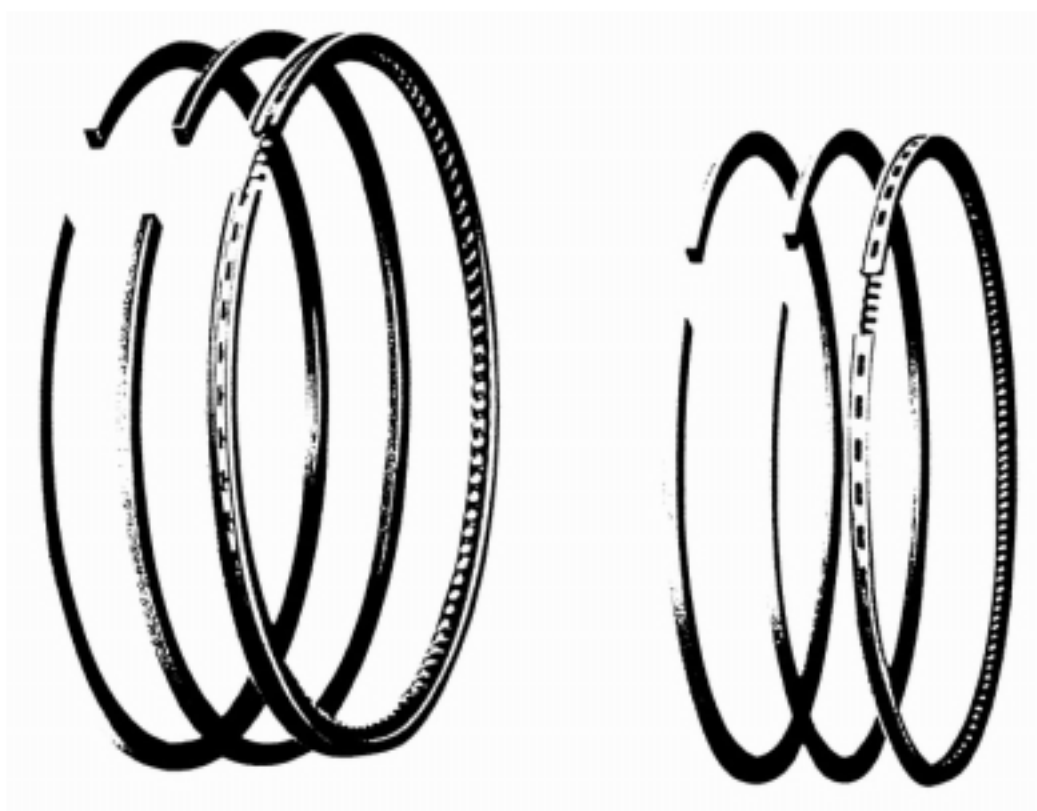
Ring	Cross-section configuration	Cross-section configuration	Cross-section configuration	Cross-section configuration
Top				
2nd				
3rd				
Oil				



[M Series]

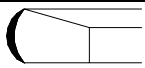

The use of a steel oil ring makes this piston ring set capable of effectively ensuring optimum oil control over a long period with minimum oil consumption, This type is used with diesel engines in passenger cars, buses, trucks and construction vehicles.

Ring	Cross-section configuration	Cross-section configuration	Cross-section configuration	Cross-section configuration
Top				
2nd				
3rd				
Oil				



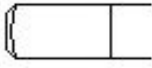

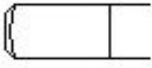






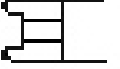
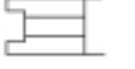
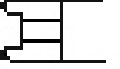
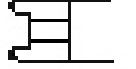

[E Series]

In this piston ring set, the rear plate of the 2nd ring is combined with an expander to achieve a reduction in slap sound. This set is widely used for 2-stroke gasoline engines.

Ring	Cross-section configuration
Top	
2nd	

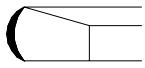
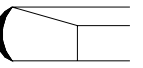
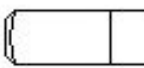
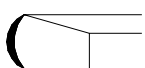

[O Series]

This piston ring set is a combination of a top ring with a surface treated outer surface such as chromium plating, a second ring and a coil un-expandable ring. This is the most-common type widely used with 4-cycle gasoline engines and diesel engines in various vehicles ranging from motorcycles to buses and trucks.

Ring	Cross-section configuration	Cross-section configuration	Cross-section configuration	Cross-section configuration
Top				
2nd				
3rd				
Oil				
Oil				

[N Series]

This is a piston ring set without an oil ring for 2-stroke engines. Either the top ring only, or both rings have their surfaces treated to ensure long surface life.

Ring	Cross-section configuration	Cross-section configuration	Cross-section configuration
Top			
2nd			

Daihatsu Gasoline



Engine Type	CC	Vehicle Model Chassis Type	Cyl. No.	Posi- tion	Dia	Size m/m (DXBXT)	Material	Surface Treatment	Set Type	CAPT. No.	O/E Part No.
L38	356	Fellow Max38 L38S	2	1 2 0	62	62X 2 X2.8 62 x 2 x 2.8 62 X 2 X 2.8	RN		FN	DA62001	13011-87204 -87205 -87501 IST=KEYSTONE
EB	547	Mira	3	1 2 0	62	62X 1.2X 2.3 62X 1.5X2.5 62X2.8X 2.5		Cr4	SV	DA6202	13011-87206 -87222
ED-10	847	Kancil	3	1 2 0	66.6	66.6 X1.2 X 2.6 66.6X 1.5X 2.8 66.6 X 2.8 X 2.5		GN GN	SV	DA66601	13011-87208 -87232
FE,FE051	958	JEEP F40. F40L, F40K JEEP F40G, 640V, F40 P	4	1 2 0	68	68X2X 3 68 X 2X3 68X4X3.1			FV	DA68001	13011-87103 992-4023-1411
FE	660		3	1 2 0	68	68 X1.2X2.6 68X 1.5X 2.8 68 X2.8X 2.5		Cr4	SV	DA68002	13011-87218
EF	660	Kancil Rusa Charade	3	1 2 0	68	68X 1.2X 2.6 68X 1.5X 2.8 68X2.8X2.5			SV	DA68003	13011-87E02
CD	850	G20L	3	1 2 0	70	70 X1.5 X 3.0 70 X1.5X 3.0 70X2.8X2.8		GN GN	SV	DA70001	13011-87712
AB	547	Fellow Max L40. L40V. L45, L50 L55 SSI1	2	1 2 0	71.6	71.6X 1.5X 3 71.6X 1.5X 3 71.6X2.8X 3			FO	DA71601	13011-87701 -87702 -87705 -87709 -87714
ABL40	547		2	1 2 0	71.6	71.6X1.5X 3 71.6X 1.5X 3 71.6 X2.8 X 2.8			FV	DA71602	13011-87701 -87710
K3	1300	Storia MI00S.MI10S	4	1 2 0	72	72 X 1.2 X 2.55 72 X 1.2X2.6 72 X 2 X 2.2			SV	DA72001	13011-97401
CB	993	Charade G I 0 EGI0 CB I 0,CB20,CB50	3	1 2 0	76	76X1.5X 3.2 76 X 1.5 X 3.2 76X2.8X 3.1			FV	DA76001	13011-87704 -87708
CB	993	Charade G 10 EG10 CB 10,CB20,CB50	3	1 2 0	76	76 x 1.5x 3.2 76X1.5x 3.2 76X2.8x 3.1		Cr4	FV	DA76002	13011-87703 -87718
CB(NEW)	993	Charade G 10S,G1 IS HC	3	1	76	76X 1.5X 2.8		GN	SV	DA76003	13011-87727
				2 0		76 X 1.5 X 3 76X2.8x 2.5		GN			
				1		76X 1.5x 2.9			FV	DA76004	
				2 0		76 x 1.5X 3 76 X2.8X 2.5					
HC	1295	Charade G1028,G1128	4	1 2 0	76	76 X1.2X 2.8 76 X1.5X 3.1 76 X3 X2.8			SV	DA76005	13011-87105 -87108 -87104
HD	1589	Feroza	4	1 2 0	76	76 X1.2X2.8 76X1.5X 3.2 76 X 3X 2.5			SV	DA76006	13011-87106 -87107 -87109 -87110 -87111
FB	1861	Delta 2000	4	1 2 0	85	85 X 2 X 3.9 85X 2X 3.9 85X 4X3.9			FO	DA85001	13011-87301

Daihatsu Diesel



Engine Type	CC	Vehicle Model Chassis Type	Cyl. No.	Posi- tion	Dia	Size m/m (DXBXT)	Material	Surface Treatment	Set Type	CAPT. No.	O/E Part No.
CL10	1000	Charade G30	3	1 2 O	76	76 X 2 X 3.2 76 X1.5X 3.1 76X 3 X2.3	RN RN	Cr4 Cr4	FX	DA76010	13011-87717 -87723A 1ST=half KEYSTONE
DF	2270	DV202, DL200, DL22L, D200, DV227, DV22D, SV22, SV22H, SV20H	4	1 2 3 O	85	85 X 2 X 3.5 85 X 2 X 3.5 85 X2 X 3.5 85 X 4 X 2.9		Cr4	FX	DA85010	992-4223-1411 992-4113-1410,1411 992-4113-1412 992-4223-1412
DG	2530	DV26, SV18, SV26 SV32, SV37	4	1 2 3 O O	88	88 X 2 X 3.8 88 X 2 X 3.8 88X 2 X 3.8 88 X 4 X 2.8 88 X 4 X 2.8		Cr4	FX	DA88010	992-5113-1410
DG(NEW)	2530	D300(NEW) V23, 24, 25, 26 Small Bus F50V	4	1 2 O	88	88 x2.5x 3.8 88 x 2 x 3.8 88X 4 X 2.8		Cr4	FX	DA88020	13011-87305 -87306 -87308 -87307
DG	2530		4	1 2 3 O	88	88 X 2 X 3.8 88 X 2 X 3.8 88 X 2 X 3.8 88 X 4 X 2.8		Cr4	FX	DA88030	13011-87304-000
DL	2765		4	1 2 O	92	92 x2.5X 3.8 92 x 2 x 3.8 92 X 4 x 2.7		Ct4	FX	DA92010	13011-87311 -87310 -87313 -87320



Hino Diesel

Engine Type	CC	Vehicle Model Chassis Type	Cyl. No.	Position	Dia	Size m/m (DXBXT)	Material	Surface Treatment	Set Type	CAPT. No.	O/E Part No.
DM100	4313	KM310. 330D, 350 Truckor HM300, HM301 Bus BM320	6	1 2 3 O O	90	90X2.5X 3.7 90X2.5X 3.7 90X2.5x 3.7 90X4X3.7 90X4 X3.7			FO	HN90010	13011-1350A
DQ100	4507	Truck KQ500. 520D, 540. 560, 500K, 540K KL501,521D, 541, 561, 581. 501K, 541K, 561K KM500, 510,520,540	6	1 2 3 O O	92	92X2.5X 3.9 92X2.5X 3.9 92X2.5X 3.9 92X 4 x 3.9 92X4 X 3.9	RN		FO	HN92010	13011 - 1360
EC100	5010	Truck KL300, 321 D. 340. 360, 387A,300K.340K,360K, WB310, KL311, FDI24 Truckor KJ 300. H L300 Bus RLI00. AM100	6	1 2 3 O O	97	97X2.5X4.3 97 X 2.5X 4.3 97 X2.5X 4.3 97 X 4 X 4.3 97 X 4X 4.3	RN RN		FO	HN970010	13011 -1390 -1400
EC100	5010	Truck KL300.321 D. 340,360, ' 387A,300K.340K.360K, WB310. KL311, FDI24 Truckor KJ300, HL300 Bus RL 100, AM 100	6	1 2 3 O O	97	97 X2.5X 4.3 97X2.5X 4.3 97 X2.5X 4.3 97X4X3.1 97 X 4 X4.3	RN RN		FX	HN97020	
W04C-T	4009	Bus'84~ Rainbow RB145	4	1 2 O	104	104 X 2.8 X 4.3 104 X 2.5 X 4.3 104X 5X	RN		FX	HN10410	13011 -2270 -2550 1ST=KEYSTONE
W04D	4009	Ranger KM, FB112	4		104	104 X 2.5 X 4.3 104 X 2 X 4.3 104 X 5 X 3.2	RN	Cr4	FX	HN10420	130I11 -1973
W06D	5759	Bus AC, FC42	6	1 2 O	104	104 X 2.5X 4.3 104 X 2.0 x 4.3 104 x 5.0 X 3.2	RN	Cr4	FX	HN10430	13011 -1983 -2420 -2440
DS70, DS90	7014	Truck TE61. TE1 1. KL320, TE 100, KL300 Truckor TE100D, TE100, 120 Bus RD100, 120. BK11, BT10, BT30, BT31	6	1 2 3 O O	105	105 X 3 X 4.2 105 X 3 X 4.2 105 X 3 X 4.2 105 X 4.5 X 4.2 105 X 4.5 X 4.2			FO	HN10510	13011-1550A -1210
EH100	5871	Truck KL500. 540, 560, 580,520, KR320, WB311,321 Tractor K J500, KU500,KR300, 350. KU580, 590 Bus BX320, AMI01	6	1 2 3 O O	105	105 X 2.5X 4.3 105 X 2.5 X 4.3 105 X 2.5 X 4.3 105 X 4X 4.3 105X4 X4.3	RN RN		FO	HN10520	13011 -1410 -1150
EH100	5871	Truck KL500. 540. 560. 580,520. KR320, WB31 I. 321 Tractor K J500. KU5()0,KR300, 360, KU580, 500 Bus BX320, AMIOI	6	1 2 3 O O	105	105 X 2.5 X 4.3 105X 2.5 X 4.3 105 X2.5 X 4.3 105 X 4 X 3.1 105X 4X 4.3	RN RN		FX	HN10530	
EH500	6211	Truck Ranger 4S FD156AA	6	1 2 3 O	108	108 X 3 X 4.5 108 X 2.5 X4.5 108X 2.5 X 4.5 108 X 5 X3.2	RN RN	Cr4	FX	HN10810	13011 -1860A

Hino Diesel



Engine Type	CC	Vehicle Model Chassis Type	Cyl. No.	Position	Dia	Size m/m (DXBXT)	Material	Surface Treatment	Set Type	CAPT. No.	O/E Part No.
EH300	6211	Truck KL301,321,361, KL501, K J501, KU580 Bus RD300, RL300, 320	6	1	108	108 X 3 X 4.5	RN	Cr2	FX	HN10820	13011 -1032 - 1062
				2		108 X 2.5 X 4.5	RN				
				0		108 X 5 X 3.2					
				0		108 X 4 X 4.5					
				1		108 X 3 X 4.5	RN	Cr4	FX	HN10830	
				2		108 X 2.5 X 4.5	RN				
				0		108 X 5 X 3.7					
				0		108 X 4 X 4.5					
H06C	6485	GK. FD, RU	6	1		108 X 3 X 4.5	RN	Cr4	FX	HN10840	13011 -2080
				2		108 X 2.5 X 4.5					
				3		108 X 2.5 X 4.5					
				0		108 X 5 X 3.2					
				0		108 X 5 X 3.2					
H06C-TA	6485	Ranger F. D	6	1	108	108 X 2.806X 4.5	RN		FX	HN10850	13011-1961
				2		108 X 2.5 X 4.5					
				3	108 X 2.5 X 4.5						
				0		108 X 5 X 3.2					1ST=KEYSTONE
				0		108 X 5 X 3.2					
				1	108	108 X 2.8 X 4.5	RN		FM	HN10860	13011 -3281
				2		108 X 2.5 X 4.5					
				3		108 X 2.5 X 4.5					
				0		108 X 2.5 X 4.5					
				0		108 X 4 X 2.45					1ST=KEYSTONE
				0		108 X 4 X 2.45					
DS50,60,80	7982	Truck ZC34D, 44D Bus BT 10011	6	1	110	110 X 3 X 4.5			FO	HN11010	13011-1230
				2		110X 3 X 4.5					
				3		110 X 3 X 4.5					-1261
				0		110 X 4.5X 4.5					
				0		110 X 4.5X 4.5					-1830
				0		110 X 4.5X 4.5					
				0		110 X 4.5X 4.5					-1680
				0		110 X 4.5X 4.5					
				0		110 X 4.5X 4.5					-1650
				0		110 X 4.5X 4.5					
DS50,60,80	7982	Truck ZC34D, 44D Bus BT 1001 1	6	1	110	110 X 3X 4.3	RN		FX	HN11020	13011-1250
				2		110 X 3 X 4.5					
				3		110X 3 X 4.5					
				0		110 X 4.5X 3.3	RN				
				0		110X4.5X 4.5					
				0		110X4.5X 4.5					
EH700	6443	Truck KL545, KL585, KR365, KL525, KR305, LB595, KL555. KR325, KL565. FD171, 172, 174, 175. 476 Bus RJI70, 171,172, RD300, 301, RL320	6	1	110	110X 3X4.5	RN	Cr4	FX	HN11030	13011-1610 -1620
				2		110 X2.5X 4.5					
				3		110 X2.5X 4.5					
				0		110 X 5 X 3.2	RN				
H07C	6728	Truck P-GDI179BA, P-FFI73BA Bus P-RJ170BA, P-RJ172BA	6	1	110	110 X 3 X 4.5	RN	Cr4	FX	HN11040	13011 -2070 -2090
				2		110 X2.5X 4.5					
				3		110 X2.5X4.5					
				0		110 X 5 x 3.2	RN				
H07C-T	6728	Truck FD, FG, SD, RR,	6	1	110	110X 2.806 X 4.5	RN	Cr4	FM	HN11050	13011 -2672
				2		110X2 X4.5	RN				
				3		110 X2.5X 4.5					
				0		110 X 4X2.45					
				1	110	110X2.806X4.5	RN	Cr4	FM	HN11060	13011 -3510
				2		110 X 2X 4.5	RN				
				3		110 X2.5X 4.5	RN				
				0		110 X4 X 2.45	RN				
				0		110 X4 X 2.45					1ST=KEYSTONE
				0		110 X4 X 2.45					
H07E	6728	Truck P-GI)179BA, P-EF173BA Bus P-RJ 170BA, P-RJ 172BA	6	1	110	110 X3 x 4.5	RN		FX	HN11070	1301i -3010
				2		110X2.5X 4.5					
				3		110 X2.5X 4.5					-3020
				0		110 X2.5X 4.5					
				0		110X5 X3.2	RN				-3030A
				0		110X5 X3.2					
H07D	7412	FD. FC, GD FF, FT, RI	6	1	110	110 X 3 X 4.5	RN	Cr4	FM	HN11080	13011-2650 -2651 -2660
				2		110X 2 X 4.5	RN				
				0		110 X 4 X 2.5					
				0		110 X 4 X 2.5					
J07, J08C	7961	FD	6	1	114	114X 3 X 4.5	RN	Cr4	FM	HN11410	13011-2962
				2		114 X 2 X 4.5	RN				
				0		114 X 4 X 2.45					
				0		114 X 4 X 2.45					



Hino Diesel

Engine Type	CC	Vehicle Model Chassis Type	Cyl. No.	Position	Dia	Size m/m (DXBXT)	Material	Surface Treatment	Set Type	CAPT. No.	O/E Part No.
EB100, 200	9036	Truck KB300D, KB320. 340, 360, KB380, 100, 120, 110, 301, KB312, 321, 341,361,381, KBI t 1, KBI21 Bus RE100, REI00-P, REI20, 140, REI20-P	6	1	115	115 X3.5X 4.7	RN		FO	HN11510	13011 - 1300 -1310 -1690
				2		115X 3 X4.6					
				3		115X3X4.6					
				O		115X5X4.6					
				O		115X 5X4.5					
EB100, 200	9036	Truck KB300D, KB320, 340, 360, KB380, 100, 120, 110, 301, KB312, 321. 341. 361,381. KBI II. KBI2I Bus RE100, RE100-P, REI20, 140, REI20-P	6	1	115	115 X3.5X 4.6	RN		FX	HN11520	
				2		115X 3 X 4.6					
				3		115 X3 X 4.6					
				O		115 X 5 X 3.2					
				O		115X5X4.5					
EL100T	7862	Truck FG 185, LB760	6	1	116	116X 3 X4.8	RN		FX	HN11610	13011-1700
				2		116X2.5x 4.8					
				3		116 X2.5x 4.8	RN				
				O		116 x 5 x 3.2					
DK10T, 20T	10170	Truck TC301.311.121. BG 100 Bus RC300. 320. 300P, 320P, RC320PT Tractor HEI00. HF300, HF301. HH700, HH720	6	1	120	120 X3.5 X 4.6	RN		FO	HN12010	13011-1280 -1200 -1270
				2		120 X3.5 X 4.6					
				3		120 X3.5 X4.6	RN				
				O		120 X 5 X4.6					
				O		120 x 5X4.6	RN				
DK10, 20	10170	Truck TC301,311.121, BG 100 Bus RC300, 320, 300P. 320P, RC320PT Tractor HE100, HF300, HF301. HH700. HH720	6	1	120	120X3.5X 4.6	RN		FX	HN12020	13011-1290
				2		120 X3.5 X 4.6					
				3		120 X3.5 X 4.6					
				O		120X 5 X 3.3					
				O		120 X5X 4.6					
EB300	9838	Truck KBI3D, 122. 303D, 313,314. 322, 342,362, 720,383,392, E320, Zjt100D, KB304D, KH 120, BG 100, KB394, 721, ZT300, 320 Bus R F 400	6	1	120	120 X 3.5 X 4.6	RN		FX	HN12030	13011-1730 -1720 -1330 -1340
				2		120 X3.5X 4.6					
				3		120 X3.5 X 4.6					
				O		120X 6 X3.7					
				O		120X 6 X3.7					
EB400	9838	Bus REI01, REI61. REI21, REI41	6	1	120	120X3.306X4.6	RN	Cr2	FX	HN12040	13011-1640A -1630
				2		120 X 3 X 4.6					
				3		120 X3 X 4.6	RN	Cr1	FX	HN12050	1ST=KEYSTONE
				O		120 X 6 X 3.7					
				1		120 X 3.306X 4.6					
EP100	8821	Super dolphin FN288 11.5ton	6	1	120	120X3.306X4.8	RN	Cr4	FX	HN12060	13011 -1952
				2		120X 2.8X 4.8					
				3		120 X2.5 X 4.8					
				O		120 X 5X 3.2					
EP100			6	1	120	120X 3.3X 4.8	RN	Cr4	FX	HN12070	13011 -2370A
				2		120 X 3 X4.8					
				3		120X2.5X 4.8					
				O		120X 5X2.9	RN				



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Engine Type	CC	Vehicle Model Chassis Type	Cyl. No.	Position	Dia	Size m/m (DXBXT)	Material	Surface Treatment	Set Type	CAPT. No.	O/E Part No.	
EM100	9419	Truck FH288	6	1	124	124X2.806X 5	RN		FX	HN12410	13011-1931 -1921 1ST=KEYSTONE	
				2		124 X2.5 X 5	RN					
				3		124X3X 5						
				O		124X5X3.5	RN					
M10U	9880	Bus HF, HU	6	1	127	127X3.306X 5.2	RN		FX	HN12710	130LI-2870 -2250 1ST=KEYSTONE	
				2		127X 3X 5.2	RN					
				3		127X3 X 5.4						
				O		127X 5X 3.5						
ED100	11581	Truck KB500, TC302,322,342, 362,382,921, KF300D, 320,340,360, 380,390,355,365,385, HH 130, ZHI02.8GI 50D HE335. ZH110D, ZCI20 ZG 150D, ZR300, ZC 150	6	1	128	128 X3.5 X 4.8	RN		FX	HN12810	13011-1470 -1670 -1660 -2240	
				2		128X3.5 X 4.8	RN					
				3		128 X3.5 X 4.8						
				O		128X 6X 3.7						
			Truck HT, HH	6	1	128	128 X3.5 X 4.8	RN		FX	HN12820	13011-1480
		2			128X 3.5 X 4.8							
		3			128X3.5X 4.8							
		O			128 X6X 3.7							
ER200	11581	Bus RC300, 301,302, RC321,381	6	1	128	128 X3.306X4.8	RN		FX	HN12830	13011 -1770	
				2		128 X3 X4.8						
				3		128 X 3X 4.8						
				O		128 X 6 X 3.7						
EF100	13804	Truck TC701D, 721,741.761, 781, KF702D. 722, 742, 762.782.792.765,785, ZMI02D. 30[D. 341. 703D, 743,763, HE345, HH340. HK340, KA340, HF701D. HE340. HE345 Bus RV730P, RV750P	8	1	130	130 X3.306 X 5.2	RN		FX	HN13010	13011-1570 -1580 -1590 1ST=KEYSTONE	
				2		130 X 3.5 X5.4						
				3		130X 3.5 X5.4						
				O		130X 6 X3.8						
			Truck HE340, HE345, HE346	8	1	130	130 x 3.306X 5.2	RN		FX	HN13020	13011 -1180 1ST=KEYSTONE
		2			130 X 3.5 X 5.4							
		3			130 X 3.5 X 5.4							
		O			130 x 6 x 3.8		RN					
EF300,EF350	14232	Truck TC702D, KF703D, ZM704D, KF797, ZM 764, ZM 705 D, KF746, KF704, 706.798. ZM765, KF767. KS341, ZM706, 765,745 Bus RV761, RSI20	8	1	132	132X3.306X5.2	RN		FX	HN13210	13011-1091 -1100 -1101 1ST=KEYSTONE	
				2		132 X 3.5 X 5.4						
				3		132 X 3.5 X 5.4						
				O		132 X 6 X 3.8						
EF500 EG100	15459	Truck ZMS00D, WP325. HE356, ZM560, KF585, ZM540, ZM580, TC921, TC541. 561B, HE350. 355, W8300, HE330	8	1	135	135 X 3.306X 5.4	RN		FX	HN13510	13011-1131 -1141 -1460 -2150 -2160 1ST=KEYSTONE	
				2		135 X 3.5 X 5.4						
	14886	Bus RV541, RV561P. RS360P, RV530P. 540P, 550P	3	135 X 3.5 X 5.4								
			O	135X 6 X 3.8								
EF550	16260	Truck FS, FR, FN. SH, RU	8	1	135	135 X3.306X5.4	RN	Cr4	FX	HN13520	13011 -2700 1ST=KEYSTONE	
				2		135X3.5X 5.4	RN					
				3		135 X 3.5X 5.4						
				O		135X 5 X 3	RN					
K13C	12882	Truck FS, FR, FN	6	1	135	135X3.306X 5.4	RN		FX	HN13530	13011 -3090 1ST=KEYSTONE	
				2		135 X3.5 X 5.4	RN					
				3		135 X 3.5X 5.4	Cr4					
				O		135x 5 x 3	RN					

Hino Diesel



Engine Type	CC	Vehicle Model Chassis Type	Cyl. No.	Position	Dia	Size m/m (DXBXT)	Material	Surface Treatment	Set Type	CAPT. No.	O/E Part No.
EK100 EK200	13267	Truck TC363, KF392. KS391. KS341. KBSOI D, KF301, 391, ZM303. TC922. TC343, 362. WD300, TC383, ZC101, 121 Bus RC721P	6	1 2 3 O	137	137 X 3.306X5.4 137 X3.5 X5.4 137 X3.5X 5.4 137X 6 X 3.8	RN		FX	HN13710	13011-1021 -1010 -1011 1ST=KEYSTONE
EK100	13546	Truck TC303D, KB501D, KF301D. KS321, ZMIO3D	6	1 2 3 O	137	137 X 3.306X5.4 137X 3.5X 5.4 137 X3.5 X 5.4 137X 6 X3.8	RN RN		FX	HN13720	13011-2210 -2222 1ST=KEYSTONE
D3EF750 EF700, 750	15920	Truck HE366, HH341. TC562, ZM500. ZM940	8	1 2 3 O	137	137 X 3.306 X 5.4 137 X 3.5X 5.4 137 X 3.5 X 5.4 137 X 6 X 3.8	RN		FX	HN13730	13011-1121,1122 -1111,-1112 -2180,1121B 1ST=KEYSTONE
EF700T,75 OT	16745	Truck SH, SS, FN, FS. SH	8	1 2 3 O	137	137 X3.306X 5.4 137 X 3.306X 5.4 137 X 3.5 X 5.4 137 X 6 X 3.8	RN RN		FX	HN13740	13011 - 1890 -1891 1ST=KEYSTONE
EF750	15920	Truck Tractor HE.HH, TC	8	1 2 3 O	137	137 X 2.806X 5.4 137 X 3.5 X5.4 137 x 3 x 5.4 137X 5 X 5	RN		FX	HN13750	13011 - 1990 1ST=KEYSTONE
EV700	19900	Truck HE526. WP330, HH541, TC562	10	1 2 3 O	137	137 X3.306X5.4 137 X 3.5 X5.4 137X3.5 X 5.4 137X 6 X 3.8	RN		FX	HN13760	13011 -1741 -1751 -1740 1ST=KEYSTONE
F17D	17238	Truck FS, FR, RU FN, FW, SH	8	1 2 3 O	137	137 X3.306 X 5.4 137X 3.5X 5.4 137 X3.5 X 5.4 137X 5 X	RN RN		FM	HN13770	13011-2990 -2991 1ST=KEYSTONE
F17C	17238	Truck FS, FR, RU FN, FW, S[-I	8	1 2 3 O	139	139 X 3.306 X 5.4 139 X3.5 X 5.5 139 X 3.5 X 5.5 139X 5 X	RN		FX	HN13910	13011,1-2810 -2820
F17E	17238	FS, FR, RU FN, FW. SH		1 2 3 O	139	139 X 3.306X 5.4 139 X 3.5 X 5.5 139X 3.5 X 5.6 139X 5 X 3	RN RN		FM	HN13920	13011 -3150 -3160 1ST=KEYSTONE
V22C	21548	Truck SH, SS	10	1 2 3 O	139	139 X3.306 X 5.4 139 X 3.5 X 5.5 139 X3.5 X 5.5 139X6 X	RN		FX	HN13930	13011-2470 -2471 1ST=KEYSTONE
V22D	21548	Truck SH. FS, FN	10	1 2 3 O	139	139X3.306X 5.4 139 X3.5 X 5.5 139 X 3.5 X 5.6 139X5 X 3	RN RN		FM	HN13940	13011-3180 -3080 1ST=KEYSTONE
EAI00		Bus	10	1 2 3 O	140	140 X3.306X 5 140x 3 X5 140X 3 X 5 140X6X 3	RN RN	Cr4	FX	HN14010	13011-1540 1ST=KEYSTONE
F20C	19688	Truck FS, FR, FO, FN. FW. FY, SH. RU	8	1 2 3 O	146	146X 3.306 X 5.6 146X 3.5X 5.6 146X 3.5 X 5.6 146X 5X 3	RN RN RN	Cr4	FM	HN14610	13011-2792A 1ST=KEYSTONE

Isuzu Gasoline



Engine Type	CC	Vehicle Model Chassis Type	Cyl. No.	Position	Dia	Size m/m (DXBXT)	Material	Surface Treatment	Set Type	CAPT. No.	O/E Part No.
4XC1-H	1471	Gemini	4	1 2 0	77	77 X1.2X 2.8 77 X1.2X 3.5 77 X2.8X 3.1		GN	SV	IS77001	8-94162-769-0 8-94109-650-0/cyl
4XCI	1471	JTI51F	4	1 0	77	77X 1.5X 3 77X2.8X3.1	RN		FV	IS77002	8-94141-947
GI50	1500	Bellet PR20, PR40 Elf 1500	4	1 2 0	79	79X2X3.1 79 X 2 X3.1 79 X 4X3.1			FV	IS79001	9-12181-055 9-12181-071
G161A G161Z G161AB	1584	Florian 1600 Elf Foster PA20V, KA41V, 51V	4	1 2 0	82	82X 2X 3.8 82 X 2X 3.8 82 X 4 X 3.9			FV	IS82001	12181-055 9-12181-141-0 8-94206-294-0 9-94216-639-0
G161	1584	PF50	4	1 2 0	82	82 X1.5X 3.8 82 X1.5X 3.8 82 X 4 X 3.9	RN RN		FV	IS82002	12181-101
G161Z	1584	PF50	4	1 2 0 1 2 0	82 82	82 X1.5X 3.3 82 X1.5X 3.7 82 X 4 x 3.2 82 X1.5X3.3 82 X1.5X 3.7 82 X 4 X 3.2		RF Cr1	SV SV	IS82003 IS82004	8-94244-4034 8-94130-293-0 8-94452-743-1
G161W	1584	117 Coupe	4	1 2 0	82	82 X 2 X 3.8 82 X 2 X 3.8 82 X 4 X 3.8			FO	IS82005	9-12181-616-0
GL201	1991	Truck TLG21VC, TLG30, TLG30V, TLG50 Elf TLGI 1, TLG 11V, TLG2I, TLG60, TLG60D Elfin TKG 1 I, TKG 11W Bus BLG 1 I, BLG20, TLG21 B	4	1 2 3 0	83	83X 2 X 3.4 83X 2 X 3.4 83X 2 X 3.4 83 X 4X 3.4			FV	IS83001	9-12181-061-0
DL201			4	1 2 3 0 0	83	83 X 2 X 3.4 83 X 2 X 3.4 83 X 2 X 3.4 83 X 4 X3.4 83 X 4 X 3.4			FO	IS83002	
G180Z	1817		4	1 2 0	84	84 X1.5X 3.3 84 X1.5X 3.8 84 X 4 X 3.2			SV	IS84001	8-94244-404-0 8-94130-294-0
G180	1818	Florian1800 Bellet1800 117 Coupe PR60, PR95	4	1 2 0	84	84 X 2 X 3.8 84 X 2 X 3.8 84 X 4 X 3.9			FV	IS84002	9-12181-605-0 9-12181-615 8-94216-640-0
4ZB1	1817	WFR11	4	1 2 0	84	84 X1.5X3.6 84 X1.5X 3.6 84 X 4X3.1			SV	IS84003	8-94143-047-1
4ZB1	1817	WFR11	4	1 2 0	84	84 X1.5X 3.1 84 X1.5X 3.5 84 X 4 X3.1	RN	GN GN	SV	IS84004	8-94313-195-0
G190			4	1 2 3 0	85	85 X 3 X 3.5 85 X3 X 3.5 85 X 3 X 3.5 85 X 4 X 3.6			FV	IS85001	1-19163-013-0
G201	1951	Bus BLG22, 22B, 24 Truck TLG12, 22, 32, 42, 52. 62, KVG20, 20VF For Agricultural Machine	4	1 2 0	86	86 X2.5X 4.1 86 X2.5X 4.1 86 X 4 X4.1			FV	IS86001	9-12181-602-0
G200Z	2000	117 Coupe PA96	4	1 2 0	87	87 X 2 X 3.8 87 X 2 X 3.8 87 X 4 X 3.8			FX/	IS87001	8-94216-641-0

Isuzu Gasoline



Engine Type	CC	Vehicle Model Chassis Type	Cyl. No.	Posi- tion	Dia	Size m/m (DXBXT)	Material	Surface Treatment	Set Type	CAPT. No.	O/E Part No.
G200ZN	2000	KB23, 28, 43, 48	4	1	87	87 X1.5X3.3		RF	SV	IS87002	8-94231-817-0 8-94130-295-0
				2		87 X1.5X 3.7					
				0		87 X4 X 3.15					
				1	87	87 X1.5X 3.3		Cr1	SV	IS87003	
				2		87 X1.5X 3.7					
				0		87 X4 X 3.15					
4ZCI	1994	Aska	4	1	88	88 X1.5X 3.6			SV	IS88001	8-94235-878-0
				2		88 X1.5X3.8					
				0		88 X 4X3.1					
4ZD-1EXP	2254	KGB29, 44, 49 TFR16 TFS16	4	1	89.3	89.3X 1.5 X 3.3	RN	GN	SV	IS89301	8-94153-966-0 8-94136-778-0
				2		89.3 X 1.5 X 3.8					
				0		89.3X 4 x 3.1		GN			
				1	89.3	89.3 x 1.5 X 3.3	RN	Cr1	SV	IS89302	
				2		89.3 X 1.5 X 3.8					
				0		89.3X 4 X 3.1					
4ZE1	2600	TFR 17 TFS17	4	1	92.6	92.6 X 1.5X 3.3		GN	SV	IS92601	8-94405-614-0 8-94446-957-1 8-94405-614-2
				2		92.6X1.5X 4					
				0		92.6X 4 X 3.1		GN			
				1	92.6	92.6 X 1.5 X 3.3		Cr1	SV	IS92602	
				2		92.6X1.5X 4					
				0		92.6X 4 X 3.1					
6VD1	3165	BIG HONE UBS25GW	4	1	93.4	93.4 X 1.5 X 3.3		GN	SV	IS93401	8-97307-372-0
				2		93.4x1.5X 4					
				0		93.4 X 3.9 X 3.1		GN			

Engine Type	CC	Vehicle Model Chassis Type	Cyl. No.	Position	Dia	Size m/m (DXBXT)	Material	Surface Treatment	Set Type	CAPT. No.	O/E Part No.
3KA1 ,3KB1	877	For industrial Machine	3	1 2 O	70	70 X 2 X 2.9 70 X1.5X3.1 70X3.5X 2.1	RN		FX	IS70010	8-94131-793-0
3KCI		For industrial Machine	3	1 2 O	74	74 X 2 x 2.9 74 X1.5X 3.1 74X 3X2.1	RN		FX	IS74010	5-12121-031-0
4EC1	1487	Gemini Diesel JT6000	4	1 2 O	76	76X2X3.1 76 X1.5X 3.1 76X 3X2.1	RN RN		FX	IS76010	8-94144-187-0 8-94332-767-1
4EC1	1487	Gemini FF	4	1 2 O	76	76X 2X3.1 76 X1.5X 3 76X3X 2	RN		FM	IS76020	8-94342-490-0
4FE1	1487	Gemini FF	4	1 2 O	76.3	76.3X 2 X 3.3 76.3X2 X 3.3 76.3X 4X 2.5	RN	Cr4	FX	IS76310	8-94169-748-0
4EEI			4	1 2 O	79	79X 2 X3.1 79 X1.5X 3.3 79 X3 X 2.5			FX	IS79010	8-94381-709-0
3AE1			3	1 2 O	80	80 X 2 X 3.5 80 X 2 X 3.5 80X4X 3		Cr4	FX	IS80010	5-12121-011-0
C220	2200	Elf TLDI 1, TLDI ID, TLDI IV, TLD21, TLD31 V, TLD21 W, TLD60 Elfin TKDII,TKDIIV, TKDI IW Truck TLD21VC, TLD30, TLD3OV, TEDS0 Bus BLDI I, BLD22, BLDI IB, BLD21B	4	1 2 3 O O	83	83 X 2 X 3.4 83 X 2 X 3.4 83 X 2 X 3.4 83 X 4X 3.4 83X 4X 3.4			FX	IS83010	9-12181-100 9-12181-057 9-12181-062
C221, C201	2200	Elf TLD22V, TLD22, TLDI2, TLD22W, TLD32, TLD22VF TLD52, TLD62 Bus BLD22	4	1 2 3 O O	83	83 X 2 X 3.4 83 X 2 X 3.4 83 X 2 X 3.4 83 X 5X 2.8 83X 5 X 3.2		Cr3	FX	IS830120	9-12181-122-0 5-12181-015-0 5-12121-014-0 5-12121-013-0
C201P (PT)				1 2 3 O O			83	83 X 2 X 3.4 83X 2 X 3.4 83 X 2 X 3.4 83X 5X 2.8 83 X 5 X 3.2		Cr1	FX
4FB1	1817	Gemini Diesel PFD60 Fargo WFR51	4	1 2 O	84	84 X 2.5 X 3.5 84 X 2 X 3.5 84 X 4 X 2.8	RN	Cr4	FX	IS84010	8-94224-22 I-0 8-94139-973-0
4FC1	1995										
4FB1	1817	Gemini Diesel PFD60 Fargo WFR51	4	1 2 O	84	84X2.5X 3.5 84 x 2 x 3.5 84 X 4 X 2.8	RN	Cr4	FX	IS84020	
4FC1	1995										
C240, C190	2369	Elf TDLI3, 23, 23Z, 43, 53, 63, KVD20, 20VF, TLD23ZV, KAD51 V, PAD30, KAD51ZV, KAD51NV, PAD96, KAD50NV, KAD41V Truck KAD41, 51, KUD20Z, TLD, TLD33, TLD23ZP, 23ZV, KAD52, 42, KBD40, 20, TCD23, KB40, 41, KBD20,	4	1 2 3 O O	86	86 X 2X 3.5 86 X 2 X 3.5 86 X 2 X 3.5 86X 5 X 2.8 86 X 5X 3.5		Cr3	FX	IS86010	12181-138
				1 2 3 O O			86	86X 2 X 3.5 86 X 2 X 3.5 86X 2 X 3.5 86 x 5 x 2.8 86 x 5X 3.5		Cr1	FX

Isuzu Diesel



Engine Type	CC	Vehicle Model Chassis Type	Cyl. No.	Position	Dia	Size m/m (DXBXT)	Material	Surface Treatment	Set Type	CAPT. No.	O/E Part No.
C240 (NEW) C190 (NEW)	2369	Bus BLD24, KAD51ZB, KAD51, KAD52, KVD20	4	1 2 3 O	86	86 X 2 X 3.5 86 X 2 X 3.5 86 X 2 X 3.5 86 x 5 X 2.8		Cr3	FX	IS86030	12181-603 5-12121-007-0 5-12181-027-0 5-12181-028-0
2AB1	1184		2	1 2 3 O	86	86X 2X 3.5 86 X 2 X 3.5 86 X 2 X 3.5 86X5X 3	RN	Cr4	FX	IS86040	5-12181-010-2 5-12121-010-0
C240(NEW , NEW) C190(NEW , NEW)	2369 1951	Elf 150 Elf 250	4	1 2 O	86	86 X2.5X 4 86 X 2 X 3.5 86X 5X 4.2			FX	IS86050	5-12121-021-0 8-94104-949-0
C190	1951	Elf 150	4	1 2 O	86	86 X2.5X 3.9 86 X 2 X 3.5 86X5X 3	RN	Cr4	FX	IS86060	5-12121-022-0
C190G	1951	Florian VAN	4	1 2 3 O	86	86 X 2X 3.5 86X 2 X 3.5 86 X 2 X 3.5 86X5X 3		Cr4	FX	IS86070	5-12121-008-0
C223	2238	Rodeo TFR52 Bighom TFS52 KRD22	4	1 2 O	88	88 X 2 X 3.5 88 X 2 X 3.5 88 X 4 X 2.7			FX	IS88010	8-94253-736-0
C223	2238	117 Coupe Diesel TFS52, KRD22, TFR52	4	1 2 O	88	88 X2.5X 3.9 88X2X 4 88 X4.5X 3	RN	Cr3 Cr3	FX	IS88020	5-12121-017-0 5-12121-024-0
C223T	2238	Truck TFR Faster TFS Hi Pack Van	4	1 2 O	88	88X2.5- 4 88 X 2 X 3.55 88X 4 X 2.4		Cr3	FX	IS88030	8-94158-084-0
4FD1	2189	Rodio'83 Bighom	4	1 2 O	88	88X 2 X 3.5 88X 2X3.6 88 X4 X2.4	RN		FX	IS88040	8-94250-730-0
4FG1	2400	WFR62	4	1 2 O	89.3	89.3X2 X 3.1 89.3X 2 X 3.8 89.3X 4 X 2.7			SX	IS89310	8-94469-634-0
4JA-1 4JB-1	2499 2771	KBD23,28 TFR54, TFS54	4	1 2 O	93	93X2X4 93X2X 4 93 x 4 x 2.6			FX	IS93010	8-94247-867-1
4JG2	3059	TC-IC O-UBS69GW	4	1 2 O	95.5	95.5 X 2.5X 4 95.5 X 2 X 4 95.5X 4X 2.5		GN	FM	IS95510	8-97080-215-0
C330	3318	Elf KS	4	1 2 O	98	98 X 3X 3.9 98 X2.5X 3.9 98X5X 3		Cr3	FX	IS98010	9-12181-801-0
D500	4978	Foward TR, BY	6	1 2 O	98	98 X 3 X 3.9 98 X2.5X 3.9 98X5X 3.2		Cr3	FX	IS98020	512181-020-0 9-12181-608-0
4BA1	2775	Elf Truck TLD64, KSI1, 21, 31, TLD64D,34,oA,54,24, TLD23	4	1 2 O	98	98 X 3X 3.9 98X2.5X 3.9 98X5X 3		Cr3	FX	IS98030	5-12181-025-0 12181-619 12181-601 5-12121-019 5-12121-019
DA120 (old)	6126	Truck TX552,552-T, TX551, 551-T, TX542,542-D, 542-T, TX541,541-D, 541-T, TS543,543-D, TW542,542D, TS540, TXD50, TSD40	6	1 2 3 O O	100	100 X 2.5 X 4 100 X2.5X 4 100 X 2.5 X 4 100 X 4 X 2.9 100X 4 X 4	RN	Cr4	FX	IS10010	9-12181-091-0 9-12181-063
DA220 (old)	4084	For Industrial Machine	4	1 2 3 O O	100	100 X 2.5 X 4 100 X2.5X 4 100 X2.5X 4 IOOX 4 X2.9 100X 4 X 4	RN	Cr4	FX	IS10020	9-12181-093-0

Isuzu Diesel



Engine Type	CC	Vehicle Model Chassis Type	Cyl. No.	Position	Dia	Size m/m (DXBXT)	Material	Surface Treatment	Set Type	CAPT. No.	O/E Part No.	
DA120 (New)	6126	Bus BA341P, 343,351,541, 543,551, BB341, 351,551, BX352, 531,552 For industrial Machine	6	1	100	100 X2.5 X 4.2	RN	Cr2	FX	IS10030	12181-005	
				2		100 X2.5X 4.4					12181-128	
3	100 X2.5 X 4.4	12181-036										
O	100 X 5 X 3.3	12181-087										
				1	100	100 X 2.5 X 4.2	RN	Cr4	FX	IS10040		
			2	100 X2.5 X 4.4								
			3	100 X 2.5 X 4.4								
			O	100 X 5 X 3.3								
DA220 (New)	4084	For Industrial Machine	4	1	100	100 X 2.5 X 4.2	RN	Cr2	FX	IS10050	18181-006	
				2		100 X2.5 X 4.4					12181-038	
3	100 X 2.5 X 4.4	12181-111										
O	100 X 5 X 3.3											
				1	100	100 X 2.5 X 4.2	RN	Cr4	FX	IS10060		
			2	100 X 2.5 X 4.4								
			3	100 X 2.5 X 4.4								
			O	100X 5 X 3.3								
GD150			6	1	100	100 X2.5 X 4.2	RN	Cr4	FX	IS10070		
			2	100 X 2.5X4.4								
			0	100 X 5 X 3.3								
DA640 (Old)	6373	Truck TXD70E, TXD80E Bus BAO1, BA05, BA10, BA10P, BA20, BA20P, BS20, BF21)	6	1	102	102 X 2.5 x 4	RN	Cr4	FX	IS10210	9-12181-092-0	
				2		102X2.5X 4					12181-064-0	
0	102X2.5X 4	12181-048-0										
	102X 4 X 2.9	12181-028-0										
					102	102X 4X 4						
DA640 (New) DA640PP	6373	Truck TXDI3, 23.53.60, SFR320, 420, 460,500. 600, TSD43, TWD23 Bus BA20, 20P, BF30	6	1		102	102X2.5 X 4.2	RN	Cr2	FX	IS10220	12181-033
				2			102X 2.5X 4.4					12181-007
0	102 X2.5 X4.4	12181-074										
	102 X 5X 3.3	12181-1 10										
				1	102	102X 2.5X 4.2	RN	Cr4	FX	IS10230	12181-088	
			2	102 X2.5X4.4								
			0	102 X 2.5 X 4.4								
				102X 5X 3.3								
DA640S	6373	Truck TXDI3, 23, 53, 60, SFR320, 420, 460, 500, 600, TS 043, TW 023 Bus BA20, 20P, BF30	6	1	102	102X 3.5X4.2		Cr2	FX	IS10240	12181-014-1	
				2		102X2.5 X 4.4					12181-014-0	
3	102X 2.5 X4.4	12181-035-0										
0	102 X 5 X 3.3	12121-011/cyl.										
											1 ST=KEYSTONE	
DA640S	6373	Forklift	6	1	102	102X 3.5X 4.2	RN		FX	IS10250	12181-014-1	
			2	102 X 2.5X 4.4		12181-035-0						
			3	102 X 2.5 X 4,4		12121-011/cyl.						
			0	102X5 X		1 ST=KEYSTONE						
4BB1 4BD1	3595 3856	Elf Truck KS11,21, 31, KS121D, KA31	4	1	102	102 X3 x 4.4		Cr3	FX	IS10260	5-12181-024-1	
				2		102X 2.5X 4.4					5-12181-003	
0	102 X 5 X 3.3	5-12121-005-0/cyl.										
6BD1 6BB1	5393	Foward Truck SBR320, 380,430,450. 500,560. 400, 680, YBR360, 310, SBR320D, 380D, 422, 322,482,552, FBR370, JBR, TLD23ZPO	6	1	102	102 X 3 x 4.4		Cr3	FX	IS10270	5-12181-023-2	
				2		102X 2.5X 4.4					5-12121-055-0/cyl.	
0	102X 5 X3.3											
6BD1,MT	5785	JCR360, JCR420, JCR480, JCR500	6	1	102	102X 3.5 X 4.4			FX	IS10270	5-12121-051	
			2	102 X 2.5X 4.4		5-12121-015-0						
			0	102X 5 X 3,3		1 ST=KEYSTONE						
4BC1	3268	TRD46.56 KT15, 25, 35, 45 NKR57 NPR57	4	1	102	102 X 3 X 4.4		Cr3	FX	IS10280	5-12121-004-0	
				2		102X 2.5 X 4.4						
0	102X 5X 3.3											
4BE1	3636	Elf NPR58	4	1	105	105 ~ 3 ~ 4.4		Cr3	FX	IS10510	8-94418-918-0	
			2	105 ~ 2.5 ~ 4.5								
			O	105 ~ 5 ~ 3.4								

Engine Type	CC	Vehicle Model Chassis Type	Cyl. No.	Position	Dia	Size m/m (DXBXT)	Material	Surface Treatment	Set Type	CAPT. No.	O/E Part No.
4BG1	4329	Elf	4	1 2 O	105	105 X 3 X 4.4 105 X 2.5 X 4.6 105 X 4X 3.1	RN	Cr4	FX	IS10520	8-94337-453-0
68F1	6130	Foward SDR370, SDR420, SDR422, SDR480, JDR460	6	1 2 O	105	105 X 3 X 4.4 105X 2.5 X 4.4 105X 5X 3.3		Cr3	FX	IS10530	5-12121-006-0
6BG1-7C	6494	Foward Truck	6	1 2 O	105	105 X 3.5 X 4.3 105 X 2.5 X 4.7 105 X 4X 3.1	RN	Cr3	FX	IS10540	1-12121-115-0
6BG1	6500	Foward FRS I 2 FTRI2	6	1 2 O	105	105X 3X 4.5 105 X 2.5X 4.5 105X 4X 3.4	RN	Cr3	FX	IS10550	12121-065-0
6BG1	6494	Foward FRS12	6	1 2 O	105	105 x 3 x 4.4 105X 2.5X 4.6 105X 4 X 3.1	RN	Cr3	FX	IS10560	1-12121-101-1
4HE1	4751	Elf NPR	4	1 2 O	110	110 x3.0X 4.1 110X2.5X4.7 110X4.0X 2.5		GN	SM	IS11010	8-97078-779-0 1 ST= HALF KEYSTONE
6HE1	7127	Foward Truck	6	1 2 O	110	110 X 3 X 4.5 110X2.5X 4.7 110 X 4 X 2.5	RN	Cr4 GN	FM	IS11020	8-94396-840-0
4HF1	4334	Elf NPR	4	1 2 O	112	112X 3 X4.5 112 x2.5X4.7 112 X 4 X 2.5	RN	Cr4 GN	FM	IS11210	8-97028-691-0
4HF1	4334	Foward Truck	4	1 2 O	112	112X 3X 4 112 X2.5X 4.7 112 X 4X 2.5		GN	SM	IS11220	8-97109-462-0 1 ST= HALF KEYSTONE
4HG1	4751	Elf NPR	4	1 2 O	115	115 X3.0X4.1 115X 2.5 X 4.8 115X4.0X 2.5	RN	GN	SM	IS11510	8-97105-867-0 8-97219-054-0 1 ST= HALF KEYSTONE
6HH1	8226		6	1 2 O	115	115 x3.5X 4.5 115X2.5X 4.8 115 x 4 X 2.5			FM	IS11520	8-94390-799-0 8-94390-799-2
8PA1	9971	Truck SKS390, SKW440, SKW520	8	1 2 O	115	115X 3X4.6 115 X2.5X 4.8 115 X 6 X 3.7	RN RN	Cr4	FX	IS11530	1-12181-060-0 1-12181-016-0/cyl
10PA1	12464	Truck SRZ440, 441,45), 451,580, VRR290, SPZ450D, 8RM710, 701, SPKT10. 650, 680, 710, SRG720R. TMK67Z, VRZ'440, 710. SRM441.451,651, Bus CRA580, 650	10	1 2 O	115	115X3 X4.6 115 X2.5X 4.8 115X 6 X3.7	RN RN	Cr4	FX	IS11540	12181-016/cyl.
12PA1	14957	Truck VRZ440, VTR290, VTZ440, VTR300	12	1 2 O	115	115x 3 X4.6 115 X2.5X 4.8 115X4 6 X 3.7	RN RN	Cr4	FX	IS11550	1 2 1 8 1-016/cyl,
8PB1 10PB1 12PB1	11217 14022 16826	Truck SMR, SMK, ('SA, SSZ, VSR, VSZ, VVE, VVZ	8 10 12	1 2 O	115	115 X 3 X 4.6 115 X2.5 x 4.8 115X 4 X3.7	RN RN	Cr4	FX	IS11560	1-12181-061/cyl. 1-12181-069/cyl.
6SA-T	8413	Foward 200PS	6	1 2 O	115	115 X 3X 4.6 115 X2.5X 4.8 115X 4 X2.6	RN RN	Cr4	FX	IS11570	1-12121-070-0 1-12121-075-0 1-12121-113-0
6SD1-X			6	1 2 O	117	117.9x 3.5 X 4.9 117.9X2.5X 4,9 117.9X 5 X 3	RN RN	Cr4	FM	IS11710	1- 1 2121-090-0
10PC1	15014	Truck Bus	10	1 2 O	119	119X 3X4.6 119 x2.5x 4.8 119X 4X3.5	RN	Cr4	FX	IS117910	1- 12121-047-0/cyl.
10PC1-T 10PD1	15014	CXM 10.75ton Hii-Decker	10	1 2 O	119	119X 4X4.6 119 X2.5X 4.8 119 X 4 X 3.5	RN RN RN	Cr4	FX	IS11920	1-12121-062-0/cyl. 1-12121-063-0/cyl

Isuzu Diesel



Engine Type	CC	Vehicle Model Chassis Type	Cyl. No.	Position	Dia	Size m/m (DXBXT)	Material	Surface Treatment	Set Type	CAPT. No.	O/E Part No.
DH100	10179	Truck Bus TD50, T D60. T D70, TD80, TD90, TD 141, TDI6I	6	1 2 3 O O	120	120X 3 X 5 120X 3 X 5 120X 3 X 5 120 X 6 X 3.7 120X 6 X4.8	RN	Cr4	FX	IS12010	12181-050 12181 -068
DH100 (New)	10179	Truck TD50, 62, 72, SLR350P. 400, 450, 520. SLR600, 670, 700, VRB290, VLR290, TD50A-D, SLR360, 401)T, 401 Bus BU04P, 10P, 15P. 20P, 35P, BUI0, 20, {}4, CLM500, BD40	6	1 2 3 O	120	120X 3 X 5 120X 3 X 5 120x 3 X 5 120 X 6 X 3.5	RN	Cr4	FX	IS12020	1- 12181-001-0 9-12181-083-0 9-12181-086-0 9-12181-114-0 12121-016-0/cyl
6SD1TC	9839	Truck CXG23	6	1 2 O	120	120 X 3 X 4.9 120X 2.5 X 4.9 120 X 5 X 3	RN RN	Cr4	FM	IS12030	1-12121-077-0
6SD1TC	9839	Foward(FR R 13) CXG23	6	1 2 O	120	120 X 3.5 X 4.9 120 X 2.5 X 4.9 120x 5 X 3	RN RN	Cr4	FM	IS12040	I - 12121 -094-1
6SD1TC	9839		6	1 2 3 O	120	120 X 4 X 4.9 120 X 3 X 4.5 120 X 3 X 4.9 120X4X 3			FM	IS12050	1-12121-119-2
6QA1	11044	Truck Bus S JR361,	6	1 2 O	125	125 X 3 X 5.1 125 X 2.5 X 5.1 125 X 6 X 3.5	RN	Cr4	FX	IS12510	1-12121-046 1-12121-028
D920	9203	Truck TDI IE, 51, 5IA, 51E, 61, 70, 71, 71E, 75E, 81E, 91E, Bus BU04D,10D, D15D, 20D, 35D. BU04DP, 110DP, 15DP,	6	1 2 3 O	125	125 X 3 X 5.1 125X 3 X 5.2 125 X 3 X 5.2 125 X 6 X 3.8	RN	Cr4	FX	IS12520	9-12181-115-0 12121-021 9-12181-108-0
D920-1	9203	20DP, 35DP	6	1 2 O	125	125 X 3 X 5.1 125 X2.5X 5.1 125 X 6 X 3.8	RN RN	Cr4	FX	IS12530	9-12181-137-0
E110	11044	Truck TM05E, 15E, 55ZED, 65, 65D, 65ZD, 85E, 95E, TG55E, 75E Bus BU05E, 10E, 15E, 20E Tractor TD35E	6	1 2 3 O	125	125 X 3 x 5.1 125 X 3 x 5.2 125 X 3 x 5.2 125 X 6 X 3.8	RN	Cr4	FX	IS12540	9-12181-153-0 12121-022 9-12181-143-0
6WA1-7C	12068	GIGA	6	1 2 3 O	132.9	132.9X4.306 x 132.9X 3 X 5.2 132.9X 3 x 5.5 132.9X 5 X 3.8	RN RN		FX	IS13310	1-12121-117-0 1 ST=KEYSTONE
E120	12023	Truck SPR520, SPG470D, SPG540, 650, 720, 580, TMK48Z, 67Z, 68, 78, SPM450D, 550, 650, 710, SPD440D, 450, 580, 480, 650, SPK650, 710	6	1 2 3 O	135	135 X 4 x 5.3 135 X 2.5 x 5.5 135 X 2.5 X 5.5 135 X 7 X 4.1	RN		FX	IS13510	9-12181-149-0 1-12121-023-0 9-12181-144-0 9-12181-144-1

Isuzu Diesel



Engine Type	CC	Vehicle Model Chassis Type	Cyl. No.	Posi- tion	Dia	Size m/m (DXBXT)	Material	Surface Treatment	Set Type	CAPT. No.	O/E Part No.
E120 (New)	12023	Truck VPR290, VPZ440, TDK46, VPZ490, SPM701,710,SPZ, 451	6	1	135	135 x 4 x 5.5	RN		FX	IS13520	1-12181-022-0
		2		135 X 2.5 X 5.5		1-12181-034-0					
		O		135X 7 X 4.1		1-12181-024-0/cyl 1-12121-015-0/cyl					
6RA1, 2	12023	Truck SHM, CXM	6	1	135	135 X 4 X 5.5	RN		FX	IS13530	1-12121-037
6RB1, 2	13741		2	135 X 2.5 X 5.5		1-12121-040					
			O	135 X 5X 4.2							
6RBX	13741	Truck CXM 10 75ton L320PS	6	1	135	135 X 4 X 5.5	RN RN		FX	IS13540	1-12121-078-2
		2		135 X 2.5 X 5.5							
		O		135 X 5 X 4.2							
8MA1	16513	Truck SWG590, VWZ430, VWR340	8	1	145	145 X 4 X 5.9	RN RN	Cr4	FX	IS13550	1-12121-018-0
		2		145X 3 X 5.9							
		O		145 X 6 X 2.9							

Mitsubishi Gasoline



Engine Type	CC	Vehicle Model Chassis Type	Cyl. No.	Position	Dia	Size m/m (DXBXT)	Material	Surface Treatment	Set Type	CAPT. No.	O/E Part No.
ME21, 24	359	Minica-ME21, 24 LT23, 25.30, 30V, LA21, A10DV	2	1 2 3	62	62X2.5X 2.8 62 X2.5X2.4 62 X2.5X 2.8			FE	MT62001	MD018908 IST=HALF
2G10 2G10-2	359	Minica-2G- 10-2 AIO1,TI31, 131V	2	1 2 3	62	62 X2.5X 2.6 62 X2.5X 2.8 62 X2.5X 2.8	RN		FN	MT62002	MT205535 IST=HALF
2G21	359	Minica-2G, 21 AI03, 102	2	1 2 0	62	62 XI.5X 2.8 62 X1.5X 2.8 62 X2.5X3.2			FV	MT62003	MD016765
2G22	471	Minica-2G, 22	2	1 2 0	65	65XI.5X 2.8 65 X1.5X 2.8 65X2.5X 2.8			FV	MT65001	MD019470
3G82	660	Minica	3	1 2 0	65	65 X1.5X 2.3 65X1.5X 2.9 65 X2.8X 2.5		GN GN	SV	MT65002	MDI20081
3G83	660	Minica E-H22, H22A, V-H22V, V-U41T, 41V, V-U42T	3	1 2 0	65	65X1.2X 2.3 65X1.2X2.9 65X2.8X 2.5			SV	MT69501	MD160195
4G11	1244	Lancer Colt AISIA, A155A, AI71A	4	1 2 0	69.5	69.5X 1.5X3.1 69.5X 1.5X 3.1 69.5X 4 X 3.1			FV	MT69502	MD030350 MD031670
2G23	550	Minica 55 Mini Cab Wide 55	2	1 2 0	70	70X1.5X 3.1 70X1.5X 3.1 70X2.5X2.8			FV	MT70001	MD019610
			2	1 2 0	70	70X1.5X 2.9 70 XI.5X3.1 70X2.5X 2.9			SV	MT70002	MD011965
4G42	1200	Lancer 1200 Colt 1200 A71,7IV, H-71V	4	1 2 0	71	71X 2 X3.3 71 X 2 X 3.3 71X 4 X3.4	RN		FV	MT71001	MD010850
G13-H	1298	Lancer	4	1 2 0	71	71X1.5X 3.1 71 X1.5X 3.1 71 X 4 X3.4			FV	MT71002	MD074687 MD078543
G13-H New	1298	Mirage. Lancer	4	1 2 0	71	71 X1.5X3.1 71X1.5X 3.1 71 X 4 X3.4		Cr4	FV	MT71003	MD074687 MD078543 MD115490
4G13 (New)	1298	Lancer	4	1 2 0	71	71 XI.2X 2.6 71X1.5X 3.1 71 X 3 X2.8			SV	MT71004	MD158908
4G13 (New)	1298	Lancer Mirage	4	1 2 0	71	71X1.2X 2.6 71 XI.5X2.9 71 x2.8x 2.5		GN GN	SV	MT71005	MD335422
4G17		Mirage Colt	4	1 2 0	72.2	72.2 X 1.2 X2.5 72.2 X1.5X 3.1 72.2X 3X2.8		GN	SV	MT72201	MD165325
4G30, 4G33 (Old)	1289	Colt-Galant A51, 51H, 5IV Colt-Lancer A72, 72V, B-A72, H-A72V Colt-Galant A62, 55C	4	1 2 0	73	73X 2X3.3 73X 2X 3.3 73X 4 X3.3			FY	MT73001	MD000770
4G33 (New)	1439	Lancer	4	1 2 0	73	73X1.5X 3.3 73X1.5X 3.3 73 X 4X3.1			FV	MT73002	MD009625 MD034010 MD115500
6G34	1994	Colt-Galant A57C,115A,115H, C-H57C,C-AI 1SA Debonair 31	6	1 2 0	73	73X 2X3.2 73 X2 X 3.2 73X4X3.1			FV	MT73003	MD662060
4G12B	1410	Mirage 12H, 12U, 12T	4	1 2 0	74	74 XI.5X3.3 74X1.5X 3.3 7X 4X 3.3			FV	MT74001	MD030355 MD031700 MD012025 MD012035
4G31	1499	Colt-Galant-A2 A52, 52H, 52V	4	1 2 0	74.5	74.5X 2X 3.3 74.5X 2X 3.3 74.5X4X 3.3	RN		FV	MT74501	MD002770

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Engine Type	CC	Vehicle Model Chassis Type	Cyl. No.	Position	Dia	Size m/m (DXBXT)	Material	Surface Treatment	Set Type	CAPT. No.	O/E Part No.
4G31B	1500	Mirage CI 8A Hyundai 23433-31500	4	1 2 0	74.5	74.5X1.5X 3.1 74.5X 1.5 X 3.3 74.5X4X3.1			SV	MT74502	MD107368
G15B, G15H, G15C	1468	C12A C52A C62A	4	1 2 0	75.5	75.5X 1.5X3.3 75.5X 1.5X3.3 75.5X 4 X3.1			FV	MT75501	MD074725 MD078548 MD104656
4G15 (New)	1468	Lancer, Mirage R-CB2V	4	1	75.5	75.5 X 1.2 X 2.8		Cr1	SV	MT75502	
				2		75.5 x 1.5 X 3.3 75.5X3 X 2.8					
		1	75.5	75.5X1.2X 2.8		GN	SV	MT75504	MD158549 MD180804		
2	75.5X 1.5 X3.3 75.5X3 X2.8										
			4	1	75.5	75.5 X 1.2 X2.8		GN	SV	MT75503	MD333896
			2	75.5X 1.5X3.1 75.5 X 2.8 X 2.5							
2G24	548	MINICA	2	1 2 0	76	76X1.5X 3.2 76 X1.5X3.3 76X2.5X2.9			SV	MT76001	MD018280
4G41	1378	Galant Delica A61, TI20C, 120W, H-TI 20	4	1 2 0	76.5	76.5X2 X 3.5 76.5X 2 X 3.5 76.5X4X 3.7			FV		MD010715 MD011893 MD010710
4G32	1597	Colt-Galant A53, 53C, 53V. 53H. I12A, I12C, B-A112A, I12H, I12V Colt-Lancer A73, 63. B-A73	4	1 2 0	76.9	76.9X 2 X3.5 76.9X2X3.5 76.9X 4X3.1	RN		FV	MT76901	MD004709 MD106744 MD004739 MD008105 MD000725 MD005885 MD004770
4G32-2	1597		4	1 2 0	76.9	76.9X2X2.9 76.9X 2 X 3.4 76.9X 4X3.1		GN GN	SV	MT76902	MD110632
4G32-T	1597	Cordia A161A	4	1 2 0	76.9	76.9X1.5X 3.3 76.9X1.5X 3.4 76.9X 4 X 3.6			SV	MT76903	MD012765 MD062387 MD099430 MD093337
2G25	660	MINICA	2	1 2 0	78	78 x1.5X3.2 78 X1.5X 3.3 78X2.5X 2.9			SV	MT78001	MD083152
4G91	1496	Mirage	4	1 2 0	78.4	78.4X1.2X 3.1 78.4X 1.2X 3.3 78.4 X2.8 X 2.6			SV	MT78401	MD177113
6A12	2000	PROTON PERDANA	6	1 2 0	78.4	78.4 X 1.2 X 3.05 78.4 X 1.2 X 3.3 78.4 X 2.8 X 2.65			SV	MT78402	MDI89104
4G35	1686	Galant-GTO	4	1 2 0	79	79 X 2 X 3.4 79 x 2 X 3.6 79 X4 X 3.4	RN		FV	MT79001	MD004870
JH4	2199	Jeep	4	1 2 0	79.4	79.38X2.375X3.5 79.38X2.375X3.5 79.38X4.74X3.5			FV	MT79401	J809045
4G62	1795	Galant , Lancer A162, A175	4	1 2 0	80.6	80.6X 2 X 3.5 80.6X2 X 3.7 80.6X 4 X 3.1	RN		FV	MT80601	MD040610 MD106736
4G62T	1795	Galant	4	1 2 0	80.6	80.6X 1.5 X 3.3 80.6 X 1.5X 3.7 80.6x 4 x 3.1			SV	MT80602	MD040465
4G37	1755	Galant	4	1 2 0	80.6	80.6 X 1.5 X 3.3 80.6 X 1.5 X 3.6 80.6X4 X 3.4		Cr4	SV	MT80603	MD077113 MD106028
4G37, 4G62	1800	E-E12A	4	1 2 0	80.6	80.6 X 1.5 X 3.3 80.6 X 1.5 X 3.7 80.6X 4X 3.1		GN GN	SV	MT80604	MD154012
4G92	1600	E-CA4A	4	1 2 0	81	81 x1.2X 3.1 81 X1.2X3.5 81 x 2.8 X 2.65		GN	SV	MT81001	MD173211 MD173206

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Engine Type	CC	Vehicle Model Chassis Type	Cyl. No.	Position	Dia	Size m/m (DXBXT)	Material	Surface Treatment	Set Type	CAPT. No.	O/E Part No.
4G51	1855	Galant Z 1850	4	1 2 0	81	81X2X3.5 81 X 2X 3.7 81X4X3.7	RN		FV	MT81002	MD023060
4G61	1595	Mirage	4	1 2 0	82.3	82.3 X1.2 X 3.1 82.3 X 1.5 X 3.8 82.3X 3X 2.9		GN	SV	MT82301	MD133495
4G52	1955	Galant 2000	4	1 2 0	84	84 X2 X 3.6 84 X 2 X 3.7 84 X 4 X 3.75	RN		FV	MT84001	MD021070 MD027010
KE47	2315	Canter	4	1 2 0	85	85 X 2.37 X 3.5 85 X2.37X 3.5 85 x4.73X 3.4			FV	MT85001	MD014866 MD013930
4G63B-T	1997	Galant Shariot Pajero	4	1	85	85 X1.5X 3.3		GN	SV	MT85002	MD105516 MD100467
				2 0		85 X1.5X 3.8 85 X 4 X3.1			SV		
4G63	1997	Galant A Galant Van E-P03V, E-N13W, E-N33W	4	1	85	85 X 2 X 3.6	RN		FV	MT85004	MD040640 MD041580 MD040840
				2 0		85 X 2 X 3.7 85 X 4 X3.1					
4G63	1997	Galant Shariot E-N 13W	4	1	85	85 X1.2X 3.1		GN	SV	MT85005	MD195810
				2 0		85 X1.5X 3.8 85 X2.8X 2.5		GN			
4G63			4	1 2 0	85	85 x1.2X 3.1 85X1.5X3.8 85 X2.8X 2.5			SV	MT85006	MD195805
4G63	1997	E-N33W, E-CD9A	4	1	85	85 X 1.2X 3.1		GN	SV	MT85007	MD195850
				2 0		85 X1.5X 3.8 85 X 3 X 2.5		GN			
4G63EX	1997	E-N33W, E-CD9A	4	1 2 0	85	85 X 1.2X 3.1 85 X1.5X 3.8 85 X 3 X 2.8		GN	SV	MT85008	MD133485
4G64B	2350	Delica wagon E-PO4W	4	1	86.5	86.5 X 1.5 X 3.5			SV	MT86501	MD085346
				2 0		86.5X 1.5 X 3.8 86.5X 4 X 3.4					
4G64K	2350	Delica wagon E-PO4W	4	1	86.5	86.5 x 1.2 x 3.1			SV	MT86502	MD195872
				2 0		86.5 X 1.5 X 3.8 86.5X 3X 2.5					
4G64	2350	Delica wagon E-PO4W	4	1	86.5	86.5X 1.2X 3.1		GN	SV	MT86503	MD192815 MD 194597
				2 0		86.5 X 1.5 X 3.8 86.5 X 2.8 X 2.5		GN			
4G64-S4			4	1 2 0	86.5	86.5 X 1.2 X 3.1 86.5 x 1.5 X 3.8 86.5 X 2.8 X 2.5			SV	MT86504	MD195828
4G53	2384	Canter Jeep FC211 BC211, J16, J38, J56	4	1	88	88 X 2 X 3.8	RN		FV	MT88001	MD025000 MD026985
				2 0		88 X 2 X 4.1 88 X 4 X 3.7					
4G54	2555	Devonair Jeep Devonair	4	1	91.1	91.1X 2 X 3.5	RN	Cr4	FV	MT91101	MD026960 MD025089 MD026835 MD107818 MD027140
				2 0		91.1X 4 X3.45					
4G64T 4G54T	2550	Starion	4	1	91.1	91.1 X 1.5 X 3.6			SV	MT91103	MD061258 MD076170
				2 0		91.1 X 1.5 X 3.8 91.1X 4 X 3.4					
6G72	2972	Devonair S12A	6	1	91.1	91.1 X 1.5 X 3.3			SV	MT91104	MD101895 MD104922 MD104923 MD129548 MD 104939 MD104940
				2 0		91.1 X 1.5 X 3.8 91.1X 4 X3.45					

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Engine Type	CC	Vehicle Model Chassis Type	Cyl. No.	Posi- tion	Dia	Size m/m (DXBXT)	Material	Surface Treatment	Set Type	CAPT. No.	O/E Part No.
6G72			6	1	91.1	91.1 X 1.2 X 3.3		GN	SV	MT91105	MD301803
				2		91.1 X 1.5 X 3.8		GN			
				0		91.1X 3 X 2.8					
6G74	3500	Devonair	6	1	93	93 X1.5X 3.5		GN	SV	MT93001	MD300569
				2		93 X1.5X3.9		GN			
				0		93 X 3 X 2.8		GN			

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Engine Type	CC	Vehicle Model Chassis Type	Cyl. No.	Position	Dia	Size m/m (DXBXT)	Material	Surface Treatment	Set Type	CAPT. No.	O/E Part No.
4DQ3			4	1 2 0	77	77 x 2x 3.3 77X2X 3.3 77 X 4X 2.7			FX	MT77010	30417-61010
4D65 ,4D65T	1795	Mirage, Galant Colt C14A	4	1 2 0	80.6	80.6X2 X 3.1 80.6X 2 X 3.6 80.6X 4 X 2.4	RN	GN	SX	MT80610	MDI27022 MD127017 MD071206 IST=KEYSTONE
				1 2 0	80.6	80.6X 2 X 3.1 80.6X 2 X 3.6 80.6X 4 X 2.4	RN	CrI	SX	MT80620	IST=KEYSTONE
4D65T	1795	Galant Mirage, Galant Colt C14A	4	1 2 0	80.6	80.6X 2 X 3.5 80.6X 2 X 3.5 80.6X 4 X 2.4	RN RN	RF	FM	MT80630	MD136692 MD078209 MD078309 IST=KEYSTONE
				1 2 0	80.6	80.6X 2 X 3.5 80.6X 2 X 3.5 80.6X 4 X 2.4	RN RN	CrI	FM	MT80640	IST=KEYSTONE
4DQ1	1986	Bus MB720 Jupiter 1,720,172,001,722	4	1 2 3 0	82	82 X 2 X 3.6 82 X 2 X 3.6 82 X 2 X 3.6 82 X 4 X 2.8			FX	MT82010	30617-01014
4D68T	1998		4	1 2 0	82.7	82.7 X 2.0 X 3.1 82.7 X 2.0 X 3.5 82.7 X 3.0X 2.0	RN	GN RF GN	SM	MT82710	MD197187 IST,2ND= HALF KEYSTONE
4D68NA	1998	Galant RVR S-CB8V, X-CB8A, X-CB8W, X-F57A	4	1 2 0	82.7	82.7X 2 X 3.5 82.7X 2 X 3.9 82.7 X 3 X 2	RN	RF GN	FM	MT82720	MDI97162 IST=KEYSTONE
4DQ5	2084	Canter	4	1 2 0	84	84 X2.5X 3.6 84 X 2 X 3.6 84 X 4 X 3.3	RN RN		FX	MT84010	30617-51011
4DQ5	2084	Canter	4	1 2 0	84	84 X2.5X 3.6 84 X 2 X 3.6 84 X 4 X 3.3	RN	Cr4	FX	MT84020	30617-61011 IST=KEYSTONE
4DR1	2384	Canter New	4	1 2 3 0	88	88 X2.5X 3.6 88 X 2 X3.8 88 X 2 X 3.8 88 X 4 X 3.9	RN RN	RF	FX	MT88010	30317-11011
4D55	2346	Galant A 167 Galant Sapporo	4	1 2 0	91.1	91.1 X 2.5 X 3.7 91.1 X 2X 3.8 91.1X 4 X 2.7	RN RN	RF	FX	MT91110	MD050395
				1 2 0	91.1	91.1 X 2.5 X 3.7 91.1X 2 X 3.8 91.1X 4 X 2.7	RN RN		FX	MT91120	
4D55-T 4D56	2346	Galant A 167 L300, L038P, 68P	4	1 2 0	91.1	91.1 X 2.5 X 3.7 91.1 x 2 x 3.8 91.1 X 4 X 2.7	RN RN		FX	MT91130	MD050390 MD103391 1ST.2ND= HALF KEYSTONE
4D56T			4	1 2 0	91.1	91.1X2.5X3.75 91.1X2X3.85 91.1X4X2.5			FM	MT91140	MD332527T
4D55-2	2346	Galant R 167	4	1 2 0	91.1	91.1 X 2.5 x 3.7 91,1 X 1.94X 3.7 91,1X 4 X 2.5	RN RN	RF GN	FM	MT91150	MD168293 1 ST= HALF KEYSTONE
4DR52T-1	2659	Canter	4	1 2 0	92	92 x2,306x 3.6 92 x 2 x 3.5 92 x 4 x 2.5	RN RN		FM	MT92010	ME996069 1 ST=KEYSTONE
4DR-5	2659	Canter T96A, 96B, 96A2, 98A, 98B, 98A2, 98B2, 98AD, 200F, 200C, 200CP, 200CT, 210F, 210C, 210CD, 210CT, 220, FE100. I20	4	1 2 3 0	92	92 X2.5X 3.7 92 X 2 X 3.9 92 X 2 x 3.9 92x4.5X 3.2	RN RN		FX	MT92020	31617-02013 31617-05103 31617-05102

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Engine Type	CC	Vehicle Model Chassis Type	Cyl. No.	Position	Dia	Size m/m (DXBXT)	Material	Surface Treatment	Set Type	CAPT. No.	O/E Part No.
4DR-5	2659	Canter T96A, 96B, 98A, 98B, 200C. Bus B200, 210	4	1	92	92 X2.5X 3.7	RN		FX	MT92030	ME999073 1 ST= HALF KEYSTONE
				2		92 X 2 X 3.9	RN				
4DR-5	2659	Canter T96A, 96B, T200C, T200F Jeep J24, J36, J44 Rosa B200, B210	4	1	92	92 X2.5X 3.7			FX	MT92040	31617-02012 31617-02013 31617-05102 31617-05103
				2		92 X 2 X 3.9					
6DR-5	3988	Jupiter T44A, 44B, 44C Bus B360, BH212, 215	6	1	92	92 X2.5X 3.7	RN		FX	MT92050	31717-12013 31717-12012 1 ST= HALF KEYSTONE
				2		92 X 2 X 3.9	RN				
S4ES	2609		4	1	94	94 X2.5X 3.9	RN	Cr4	FX	MT94010	34417-02012 1 ST= HALF KEYSTONE
				2		94 X 2 X 3.9					
S4E, S4S	2609		4	1	94	94X2.5X 3.9	RN		FX	MT94020	34417-11011 1 ST= HALF KEYSTONE
				2		94 X 2 X 3.9	RN				
4DR7			4	1	95	95X 2.306X 3.7	RN		FM	MT95010	ME997256 IST=KEYSTONE
				2		95 X 2.300 X 3.7					
6DS1	4678	Truck T620, 650B, 650E 650J, 650ZD Bus MR620	6	1	95	95 x2.5x 4. 1	RN		FX	MT95020	ME021376 ME020382 30617-01006
				2		95 x 2 x4.1					
6DS3	5103	Truck T652B,652E Bus B622B	6	1	95	95 X 3 X 3.9	RN		FX	MT95030	ME023327 ME021855 1 ST= HALF KEYSTONE
				2		95 X 2 X4.1					
4M40	2835	Pajero FB501, FD511	4	1	95	95 X 2.3 X3.35	RN	GN	SM	MT95040	MD997894 M E202380 IST=KEYSTONE
				2		95 X 2 X 4	GN				
4M40NA	2835	Pajero	4	1	95	95X2.306X 3.3	RN	GN	SM	MT95050	ME202950 IST=KEYSTONE
				2		95 X 2 X 3.7					
4M40-TC	2835	Pajero	4	1	95	95 X 2.306 X 3.3	RN	ON	SM	MT95060	ME202148 IST=KEYSTONE
				2		95X2X 4	Cr1				
6DS5	4978	Truck T630B, 651E Bus B620B, 620E, 620BE Tractor T65 IZR	6	1	98	98 X 3 X 4.2	RN		FX	MT98010	ME021856 ME021382 ME020427
				2		98 X 2 X 4.2					
S4E2	2960		4	1	98	98 X 3 X 4	RN	Cr2	FX	MT98020	34417-09012 1 ST= HALF KEYSTONE
				2		98 X 2 X 4.2					
6D85	4978	Truck T630B, 651E Bus B620B, 620E, 620BE	6	1	98	98 X 3 X 4.2			FX	MT98030	ME020427
				2		98 X 2 X 4.2					
6DS7	5430	Truck T653B, 653BG, 663C, 663ZD, FK 102 Tractor T653ZR Bus B623B, 623E	6	1	98	98X 3 X 4	RN		FX	MT98040	ME024409 ME023333 ME021861 1 ST= HALF KEYSTONE
				2		98 X 2 X 4.2					
4D30	3298	Truck Canter Bus BE211	4	1	100	100X 3 X 4	RN	Cr2	FX	MT10010	MEO 12070 ME012010 I ST=K EYSTON E
				2		100 X 2 X 4.2					
4D30	3298	Truck Canter Bus BE211	4	1	100	100X 3 X 4	RN	Cr1	FX	MT10020	I ST=K EYSTON E
				2		100 X 2 X 4.2					
				0		100 X 5 X 3.5					

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Engine Type	CC	Vehicle Model Chassis Type	Cyl. No.	Position	Dia	Size m/m (DXBXT)	Material	Surface Treatment	Set Type	CAPT. No.	O/E Part No.
4D31T	3298	Truck FE434 Canter	4	1	100	100X 3 X 4	RN	Cr2	FM	MT10030	ME997396 ME997398 ME999783 ME012848 1 ST= HALF KEYSTONE
				2		100 X 2 X 4.2					
0	100 X 4 X 2.5										
4D31T	3298	Truck FE434 Canter	4	1	100	100X3X 4	RN	Cr1	FM	MT10040	1 ST= HALF KEYSTONE
				2		100 X 2 X 4.2					
0	100 X 4 X 2.5										
6D31A	4948	Truck FK330	6	1	100	100X 3 X 4	RN	Cr2	FM	MT10050	M E999836 1 ST= HALF KEYSTONE
				2		100 X 2 X 4.2					
0	100 X 4 X 2.5										
6D31A	4948	Truck FK330	6	1	100	100X3 X 4	RN		FM	MT10060	1 ST= HALF KEYSTONE
				2		100X2X4.2					
0	100X4 X2.5										
6D31T	4948	Truck FK330. FE434	6	1	100	100 X3 X 4	RN RN	Cr2	FM	MT10070	ME997458 1 ST= HALF KEYSTONE
				2		100X 2X 4					
0	100X4X2.5										
6D31T	4948	Truck FK330	6	1	100	100 X 3X 4	RN RN	Cr1	FX	MT10080	1 ST= HALF KEYSTONE
				2		100 x 2X 4					
0	100 X 4X 2.5										
6D31T	4948	Truck FK330	6	1	100	100X3 X 4	RN	Cr2	FX	MT10090	ME999717 1 ST= HALF KEYSTONE
				2		100X 2X4.2					
0	100 X5 X3.5										
S6KT			4	1	102	102X 3X4	RN RN	Cr2	FX	MT10210	34317-19010 -19011 1 ST= HALF KEYSTONE
				2		102 X 2X 4.2					
0	102X 4X 2.8										
S6KT			4	1	102	102X 3X 4	RN RN	Cr1	FX	MT10220	1 ST= HALF KEYSTONE
				2		102X 2 X 4					
0	102X 4X 2.8										
4D34	Truck FE439		4	1	104	104 x 3X4.1			FM	MT10410	ME997237
				2		104 X2 X 4.2					
0	104X4X 2.5										
4D34T	Truck BE449,459 FE439		4	1	104	104X2.806X4.1	RN		FM	MT10420	M E997240 IST=KEYSTONE
				2		104X2X4.2					
0	104X 4 X 2.5										
4D34T			4	1	104	104X2.8X 3.6		GN	SM	MT10430	ME996566 1 ST=KEYSTONE
				2		104 X2 X4					
0	104X 4X 2.5										
4D32	3507	Truck FE305.315.435	4	1	104	104X 3X 4.1	RN		FX	MT10440	ME999243 1 ST= HALF KEYSTONE
				2		104X 2X4.2					
				0		104X4X3.2					
				1	104	104X 3X 4.1	RN	Cr1	FX	MT10450	M E999243/cyl, 1 ST= HALF KEYSTONE
				2		104X 2X4.2					
				0		104X4 X3.2					
1	104	104 X 3X 4.1	RN	Cr2,Cr3	FM	MT10460	M E997318 1 ST= HALF KEYSTONE				
2		104 X2X4.2									
0		104X 4X 2.5									
1	104	104X3X4.1	RN	Cr1	FM	MT10470	ME997318/cyl. 1 ST= HALF KEYSTONE				
2		104X2 X 4.2									
0		104X 4X2.5									
1	104	104 x 3 x 4.1	RN	Cr2,Cr3	FX	MT10480	M E99964 I 1 ST= HALF KEYSTONE				
2		104 X 2 X 4.2									
0		104X 4 X 3.2									
1	104	104 X 3 X 4.1	RN	Cr4	FX	MT10490	1 ST= HALF KEYSTONE				
2		104X 2X 4.2									
0		104X 4 X 3.2									
6D34T			6	1	104	104 X2.8X 4.1	RN		FM	MT10491	ME996442 1 ST= HALF KEYSTONE
				2		104X2 X 4.2					
0	104 X4 X 2.5										
6D10, 11	6754	Track T654B, T654ZR, FK 10-3, KK103 Bus MKI03H, MM504H	6	1	105	105 X 3 X 4.2	RN		FX	MT10510	ME032190 ME032326 1 ST= HALF KEYSTONE
				2		105X 2 X 4.4					
				0		105X5X 3.5					

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Engine Type	CC	Vehicle Model Chassis Type	Cyl. No.	Position	Dia	Size m/m (DXBXT)	Material	Surface Treatment	Set Type	CAPT. No.	O/E Part No.
4D33	4214	Truck FE437,447	4	1	108	108X3X 4.3	RN		FX	MT10810	ME999871
				2		108X 2X4.4	RN				
				0		108 X 4X2.9					
				1	108	108X 3X 4.3	RN	Cr2	FM	MT10820	ME996378
2	108X 2 X 4.4										
0	108X4X2.5										
1	108	108X3 X 4.3	RN	Cr1	FM	MT10830	ME996378				
2		108 X2X4,4									
0		108X 4X2.5									
4D35	4561	Canter FE538, FE638	6	1	110	110X3 X4.3	RN		FM	MT11010	ME996628
2	110X2.5X 4.4										
0	110X 4X 3										
DB31	8550	Truck T32, 33, 52, 320, 330, 330T, 3300, 335T, 3350, 335,350, 370, 370D, 380. 385, WI ID, AT33, 330. 330T Bus R470, 480. MR440, 470. 480, 490, MAR440, 470, 480 490. B360, 370,380	6	1	110	110 X4 X 4	RN		FX	MT11020	30017-02002
				2		110 X 4 X 4					
				3		110 X 4X4					
				0		110X 5X 4.2					
				0		110 X5 X 4.2					
				0							
DB34	8550	Truck T340, 390 Bus R470, 480, AR470, 480. MR430. 440,480, 490. MAR440, 470. 480	6	1	110	110 X2.5X4.7			FO	MT11030	30017-31004
				2		110X2.5X 4.7					
				3		110 x2.5x 4.7					
				0		110X4.5X 4.7					
				0		110X4.5X 4.7					
6DB	8550	Truck T416, 486.41OD, 331. 337D Bus B820J, MR520, 410. 470, 450, MAR410, 470	6	1	110	110 X3.5X4.4	RN		FX	MT11040	30017-75003
				2		110 X2.5X4.7					
				3		110 X2.5X 4.7					
				0		110 X 5 X 3.8	RN				
6D14	6557	Track FK115F, 11511, 115J 115K, T656ZR, FK115DR, FM215, FKII5 Bus MK115H, MK115. MM115,515	6	1	110	110 X 3 X 4.3	RN		FX	MT11050	ME032458
				2		110X2.5X 4.4				M E032260	
				0		110 X 5X 3.8				ME032404	
										ME032071	
1 ST= HALF KEYSTONE											
6D14T	6557	Truck FK615, FK415, 515	6	1	110	110X 3X4.3	RN		FX	MT11060	ME997423
				2		110X2.5X 4.2	RN				ME997439
				0		110 X 5 X 3.8	RN				1 ST= HALF KEYSTONE
6D14(New)	6557	Truck FK615	6	1	110	110 X 3 X4.3	RN		FX	MT11070	ME033904
				2		110 X2.5X 4.4					
				0		110 X 5 X 3.8	RN				1 ST= HALF KEYSTONE
6D14	6557	Truck FK615	6	1	110	110X 3 X4.3	RN		FM	MT11080	ME999952
				2		110 x2.5X4.4					
				0		110X 4 X 3					
6D14T	6557	Bus MKII5,115H, MM115,515	6	1	110	110 X2.8X 4.3	RN		FM	MT11090	ME997465
				2		110X2.5X 4.4	RN				
				0		110X 4 X 3					1 ST=KEYSTONE
6D15	6919	Truck FKI16,216, FM316, M116,516	6	1	113	113 X3 X 4.3	RN		FX	MT11310	ME072306
				2		113X2.5x 4.4					ME032403
				0		113X 5X3.8					1 ST= HALF KEYSTONE
6D15T	6919	Truck FK116,216, FM316, M116,516	6	1	113	113 X 2.806X4.3	RN		FM	MT11320	ME999954
				2		113 X2.5X 4.4					ME999929
				0		113X 4 X3.0					ME997466
1 ST=KEYSTONE											
8DV			8	1	115	115 X 3 X 4.3			FX	MT11510	85017-0300
				2		115 X 3 X 4.3					
				3		115X 3 X4.3					
				0		115X 5 X3.4	RN				

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Engine Type	CC	Vehicle Model Chassis Type	Cyl. No.	Position	Dia	Size m/m (DXBXT)	Material	Surface Treatment	Set Type	CAPT. No.	O/E Part No.
6D16	7545	Fighter Truck FK617A, FK618	6	1 2 0	118	118X 3 X4.6 118X2.5X 4.6 118X 4 X 3	RN		FX	MT11810	ME999955 M E999540
6D16	7545	Truck FK617A	6	1 2 0	118	118X 2.806 X 4.6 118X2.5X4.6 118X4 X 3	RN		FX	MT11820	ME047030 1 ST=KEYSTONE
6D16T	7545	Truck Fighter FK617A, FK618	6	1 2 0	118	118 X 2.806 X 118 x2.5X 4.6 118X 4 X 3	RN		FM	MT11830	ME997467 1 ST=KEYSTONE
6D16T			6	1 2 0	118	118X2.8X 3.9 118 X2.5X4.6 118 X 4 X2.95			SM	MT11840	ME99659 I 1 ST=KEYSTONE
S4BB2			1	1 2 0	122	122 X 4 X 4.7 122X 3 X 5 122X 5 X 3	RN	Cr2	FM	MT12210	36317-01040 1 ST= HALF KEYSTONE
6D20, 21	10308	Truck NP117JD, FP117FD, FD217R, K202, FP117, K202 Bus MP117H, MP517, MP117,517	6	1 2 0	125	125X 4 x 5 125 x 3 x 5.3 125x 6 X 4	RN		FX	MT12510	30917-01012 1 ST= HALF KEYSTONE
6D20, 21	10308	Truck NP117JD, FP117FD. FD217R, K202, FPI 17, K202 Bus MP117H, MP517, MP117,517	6	1 2 0	125	125X3.306X5.4 125X3X5.3 125X6X 4	RN RN		FX	MT12520	M052 145 1 ST=KEYSTONE
6D21	10308	Truck MP107	6	1 2 0	125	125 X 3X 5.2 125X 3X5.3 125X 6 X 4	RN RN		FX	MT12530	ME052260
6D22	11149	Truck FP308, MP118, MP518	6	1 2 0	130	130 X3.306 X5.4 130 X 3 X 5.4 130x 6 X 4	RN		FX	MT13010	50917-20010 M E052124 1 ST=KEYSTONE
6D22	11149	Truck FP308. MPII8. MP518	6	1 2 0	130	130 X3.306X 5.4 130 X 3 X 5.3 130X 4X2.8	RN RN RN	Cr4	FX	MT13020	ME052889 1 ST=KEYSTONE
6D22	11149	Truck FP308, MPI18, MP518	6	1 2 0	130	130X3.306X5.4 130 X 3 X 5,3 130 X 4 X 2.5	RN RN	Cr4	FM	MT13030	MEO52893 1 ST=KEYSTONE
8DC4G	11149	Truck T931, T881, T910, FTI02, FV112, Bus BS01, Bg01	8	1 2 0	130	130 X3.306 X 5.4 130X 3X 5.3 130X 6X 4	RN		FX	MT13040	ME062298 1 ST=KEYSTONE
6DC2	9955	Truck T800GD, 810JT, T920J FP101FD, W81, 81D, FP21OR, FP101DR Bus B820J, B800J.800K, 800L, B800N, 905N, 805NA, B805L	6	1 2 0	130	130X 4X 5 130 X 3X5.3 130X 6 X4	RN		FX	MT13050	31117-02OIO MEO62117 31117-70010 1 ST= HALF KEYSTONE

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Engine Type	CC	Vehicle Model Chassis Type	Cyl. No.	Position	Dia	Size m/m (DXBXT)	Material	Surface Treatment	Set Type	CAPT. No.	O/E Part No.
8DC2, 4, 7	13273	Truck T811 P, 901FD, 936D. FT102HD, F102JD. FV102JD. T811BR, 811ZR.FP112M. T902FD, FF102N. 202S. FU112N,212R, FV112JD, FP102DR,FV102HR, W1 12,150, 250,400, HV119KD, FT102,212S, 911N, FU 102N, 119N,FV119JD. FP102DR. 112DR, T901CR FV113HR,NV113JR, K252. FQ112H. FS119S, FU112, 212. FV119, FU119 FU123, FV119, FT119, 112 FQ112, FV112, NV112, FV313 Bus B806K, L, N, B905N, NA. BS05N, NA, MS512N,512NA,MS512	8		130	130X 4 X 5 130 X 3X 5.3 130X 6 X 4	RN		FX	MT13060	ME062117 31217-02010 ME062109 1 ST= HALF KEYSTONE
6D22	11149	Truck FP313. MP118, 518	6	1 2 0	130	130 X 3 X5.2 130X 3X 5.4 130X6X 4	RN	Cr4	FX	MT13070	ME052758
S6B	12880		6	1 2 0	133	132.9X 4.07X 4.9 132.9X 3X 5.4 132.9X 6X4	RN RN	Cr4		MT13310	36217-14010 1 ST= HALF KEYSTONE
8DC6,8	14886		8	1 1 0	135	135X 4 X 5 135 X 3X 5.7 135X6X 4	RN		FX	MT13510	I ST=RECTANGULAR
8DC6, 8	14886	Truck T902FD, 906FD,916FD, FT103HD, FT113HD, FU103JD. FVI03JD. 113JD, T812ZR, T816ZR,T902CR, 930CR, 932DR. FT 102N. FT113N,213S, FU103N,203R. 113N, 213R. FV113JD, FP103FR. T902CR. FV 113, FVI03HR. 113JR, NW113KR FW123M, FT113RP, K400, FV113. FW123,FP113, FT113, FV313,FR113 Bus B907N, NZ, SA, S. MS513,613	8	1 2 0	135	135X4.07X 5 135 X 3 X 5.5 135X6X 4	RN RN		FX	MT13520	ME062086 31217-60012 1 ST= HALF KEYSTONE
10DC6,8	18608	Truck T813AR, FP204DR, NW304JR, FT204R, FT'214R, FV214JR, NW204JR, FV214, FP214DR, FP214 Bus MS504R, MS504	10	1 2 0	135	135 X4.07X 5 135 X 3 X5.5 135X 6 X 4	RN RN		FX	MT13530	M E062113 31917-60012 1 ST= HALF KEYSTONE
12DC		Bus B906R	12	1 2 0	135	135X4.07X 5 135 X 3X 5.5 135X 6X 4	RN RN		FX	MT13540	ME062125 1 ST= HALF KEYSTONE
8DC81	14886	FT, F J, FV	8	1 2 0	135	135 X 3.306X 5.4 135X 3X 5.5 135X 6 x 4	RN RN		FX	MT13550	ME062246 ME062022 1 ST=KEYSTONE
8DC8A	14886	Truck F413(T, U, V, P)	8	1 2 0	135	135X3.306X5.4 135X3X 5.5 135X 4 X 3	RN		FM	MT13560	ME090574 1 ST=KEYSTONE
8DC-9	16031		8	1 2 3 0	135	135 X 3.306X 5.4 135 X 3 X 5.5 135X 3X 5.5 135X6X 4	RN		FX	MT13570	ME065680 ME092392 ME997826 1 ST=KEYSTONE

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Engine Type	CC	Vehicle Model Chassis Type	Cyl. No.	Position	Dia	Size m/m (DXBXT)	Material	Surface Treatment	Set Type	CAPT. No.	O/E Part No.
8DC-9			8	1 2 3 0	135	135X3.306X5.1 135 X 3X 5.4 135 X 3X 5.5 135X 4 X 3	RN		SM	MT13580	ME096194 1 ST=KEYSTONE
8DC9(9T)	16031	Tractor FP215, FV215	8	1 2 3 0	135	135 X3.306X5.4 135 X 3 X 5.5 135 X 3 X 5.5 135X6X 4	RN RN		FX	MT135890	ME062230 ME062018 1 ST=KEYSTONE
8DC9(9T)	16031	Truck FT315, FV315, FU315, FS313, FP315, FWI25 Bus MS615	8	1 2 3 0	135	135X4.07 X 5 135 X 3 X 5.5 135 X 3 X 5.5 135X 6 X 4	RN RN		FX	MT13591	ME062090 1 ST=KEYSTONE
8DC9T	16031	Truck FT315, FV315, FU315, FS313, FP315. FWI25 Bus MS615	8	1 2 3 0	135	135X3.306X5.4 135 X3 X5.5 135 X 3X5.5 135X 4 X 3	RN		FM	MT13592	ME090578 1 ST=KEYSTONE
S6B	12880		6	1 2 0	135	135X4.07X 5 135 X 3 X 5.5 135X 6 X 4	RN RN		FX	MT13593	36217-17010 36217-11010/cyl. 1 ST= HALF KEYSTONE
S6B3	14600		6	1 2 0	135	135X 4X4 5 135 X 3 X 5.5 135x 4 X 3	RN		FM	MT13594	34A17-01010/cyl. 1 ST=KEYSTONE
6DH135			6	1 2 0	135	135 X 4 X5.3 135 X2.5X 5.5 135X 6 X 4	RN RN		FX	MT13595	32317-03002
12DH			12	1 2 0	135	135 X 4X 5.3 135X 2.5 X5.5 135X 6X 4	RN RN		FX	MT13596	32017-03001
8DC10	16752	F416(S, T, U, V, P)	8	1 2 3 0	138	138 X 3.306X 5.5 138 X 3 X 5.6 138 X 3 X 5.6 138X6 X 4	RN		FX	MT13810	M E065717 ME999510 1 ST=KEYSTONE
8DC10	17737	F419(P, U, V)	8	1 2 3 0	138	138X 3.306X 5.5 138 X 3 X 5.6 138 X 3 X 5.6 138X 4 X 3	RN		FM	MT13820	ME090582 ME997030 1 ST=KEYSTONE
				1 2 0 0	140	140 X 4X 5.4 140 X 4 X 5.4 140X 6 X 5.4 140 X 6 X5.4	RN		FX	MT14010	42007-09001/cyl.
8DC11	16752	KS, FUSO KC-FV	8	1 2 3 0	142	142 X 3.306X5.6 142 X 3X 5.8 142X 3 X5.8 142X 5 X4	RN RN		FX	MT14210	ME065607 1 ST=KEYSTONE
8DC11	16752	KS, FUSO KC-FV	8	1 2 3 0	142	142 X 3.306 X 5.6 142 X 3X 5.8 142 X 3 X 5.8 142X 4 X 3	RN		FM	MT14220	ME090586 ME999990 1 ST=KEYSTONE
S6AF SBAF S12AF				1 2 0	142	142.9X4.43X5.9 142.9X2.95X5.7 142.9X6 X 4	RN RN	Cr4	FE	MT14230	32717-07010/cyl. (6cyl. 8cyl. 12cyl.) 1 ST= HALF KEYSTONE
S6A			6	1 2 0	145	145X 4.5 X 5.8 145 X 3 X 5.8 145 X 6 X 4.3	RN	Cr4	FX	MT14510	32517-11010
S8A S12A	21140 33930			1 2 0	145	145 X4.45X 6 145X2.95X 5.8 145 X 6 X 4.1	RN RN	Cr4	FE	MT14520	32517-33010/cyl 32517-34010/cyl. (8cyl. 12cyl.) 1 ST= HALF KEYSTONE
8M20			8	1 2 3 0	146	146 X 3.306 X5.3 146 X3 X5.8 146X 3X 6 146X 4 X 3	RN		SM	MT14610	ME996163 1 ST=KEYSTONE

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Engine Type	CC	Vehicle Model Chassis Type	Cyl. No.	Posi- tion	Dia	Size m/m (DXBXT)	Material	Surface Treatment	Set Type	CAPT. No.	O/E Part No.
8M21			8	1 2 3 0	150	150 x 3.306x 5.3 150 X 3 X 5.9 150X 3 X 6.1 150X 4 X 3	RN		SM	MT15010	ME996167 1 ST=KEYSTONE
S6DE			6	1 2 0	150	150 X 4.5 X 6 150x 3 X 6 150 X 6 X 4.5	RN		FX	MT15020	33417-00010
S6A S12A	18560 33930			1 2 0	150	150 X4.43X 6.2 150 X 2.95 X 6 150 X 6 X 4.2	RN RN	Cr4	FE	MT15030	32517-07010/cyl. (6cyl. 12cyl.) 1 ST= HALF KEYSTONE
S6A			6	1 2 0	150	150 X4.43x 6.2 150 X2.95X 6 150 X 6 X 3.3	RN RN	Cr4	FX	MT15040	32517-17010/cyl, 1 ST,2ND= HALF KEYSTONE

Nissan Gasoline



Engine Type	CC	Vehicle Model Chassis Type	Cyl. No.	Position	Dia	Size m/m (DXBXT)	Material	Surface Treatment	Set Type	CAPT. No.	O/E Part No.
MA10 MA10ET	987	March	4	1 2 0	68	68 X1.5X 2.5 68 X1.5X 3.1 68X2.8X 3			SV	NS68001	12033-01B10
CG10, CG13	1000 1300	March E-HK11, K11	4	1 2 0	71	71X1.5X2.6 71 X 1.5X 3.1 71X2.8X 2.8		GN GN	SV	NS71001	12033-72Y00
GA13DS	1300		4	1 2 0	71	71 X 1.5X 3.1 71 X 1.5X 3.1 71 X2.8X2.8	RN		FV	NS71002	12033-50Y00
A10, A12,A13, F1, JC	1171	Bluebird P41 I Truck 520, 52I, V521, U521, 620, G620, A32 I, VA321,SA321, UA321, KA321, KPA321 Bus GKA321 Sunny I200 B10, KB10, KC20. VB10, B20 Sunny Truck VB10, B120 Cherry PEI0, KPEI0. FI0, KFI0, VPI0, VFI0, B-FI 1. A-KPC20D, H-VFI0, H-PC20S. VPC20S Bluebird 1200 P410, WP410 Truck 320. V320, U320, N320, Truck AD320, A320, SA320, UA320. KA320, VA320	4	1 2 0	71	73X1.984X3 73X1.984X3 73X3.967X3	RN		FV	NS71003	1-2033-H6200 12033-B3040 12033-A6200 12033-H6201
J120	1973	Cedric P130, WP130, VP130	6	1 2 0	73	73X1.984X3 73 X1.984X3 73X 3.967 X 3	RN		FV	NS73001	12033-73004
E10S	1000	Sunny PI30, VPI30, WPI30	4	1 2 0	73	73 X 1.5 X 3 73 X1.5 X 3 73 X 4 X3.1	RN		FV	NS73002	12033-41M02 12033-41M01
GA14S	1400	AD Ban R-VY10, VFY10	4	1 2 0	73.6	73.6 X 1.5 X2.8 73.6 X 1.5 x 3.2 73.6 X 2.8 X 2.8		GN GN	SV	NS73601	12033-87A00
GA15DS	1500	AD Ban R-VY10, VFY10	4	1 2 0	73.6	73.6 X 1.5 X 2.8 73.6 X 15 X 3.2 73.6X 2.8 X 2.8	RN		FV	NS73602	12033-53Y00
G1	1484	Skyline A41,50, 51 Truck 430, 442,640	4	1 2 0	75	75 X2.4 X 3.75 75X 2.4X 3.75 75X 4X 3.5			FO	NS75001	97011-0116P
G7	1998	Skyline 54 Truck 41,43. PA30, VPA30	6	1 2 0	75	75 X 2.4 X 3.75 75X 2.4X 3.75 75X 4 X 3.5			FO	NS75002	97011-0701P
A12A	1171	Sunny YN-KNNI0 Pulsar	4	1 2 0	75	75 X 2 X 3.2 75 X 2 X 3.2 75X4 X3.1	RN		FV	NS75003	12033-H8500

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Engine Type	CC	Vehicle Model Chassis Type	Cyl. No.	Position	Dia	Size m/m (DXBXT)	Material	Surface Treatment	Set Type	CAPT. No.	O/E Part No.
A14	1397	Sunny B-KA10, H-VA10, B-A10, B-KTIB211, B-HB211. B-KPF11 Violet H-VHB210,HN10 VHB310, 311,A-11 VHN10,11,HB310 VYT-10,PC,PCG121 WHB310	4	1 2 0	76	76X 2 X 3.2 76 X 2 X 3.4 76 X 4 X 3.4	RN		FV	NS76001	12033-H8900 12033-H7200 12033-H9910 12033-H8660
A14, A15	1397	Sunny Pulsar	4	1 2 0	76	76 x 1.2X3.1 76 X 2 X 3.4 76 X 4 X 3.4			SV	NS76002	12033-H9800 12033-H9810 12033-H7680 12033-H9915 12033-H9918
A15	1397	Sunny Pulsar	4	1 2 0	76	76 X 1.2X 3.1 76X 2 X 3.4 76 X 4 X 3.2			SV	NS76003	12033-H9820
E13, E13S E15, E15S	1270 1487	Pulsar Sunny Pulsar AD Van Sunny AD Van Datsun ADVan Sunny California Laurel Spirit AD Van	4	1 2 0	76	76 X 1.5X 3.2 76 X 1.5X 3.4 76 X 4 X 3.4	RN		FV		12033-01M02 12033-01M01 12033-01M 12 12033-01M 10
E13 E15	1300 1500	Sunny Pulsar	4	1 2 0	76	76 x 1.5x 2.8 76 X 1.5X 3.4 76 X 4 X 3.2			SV	NS76004	12033-01M03
E13 E15	1300 1500	Sunny Pulsar	4	1 2 0	76	76 X1.5X 2.8 76 X 1.5X 3.4 76 X 4 X 3.25		Cr4	SV	NS76005	12033-01M04 12033-17M00 12033-17M10
E15T			4	1 2 0	76	76X 1.5X 2.8 76 X 1.5X 3.4 76 X 4 X3.1			SV	NS76006	12033-61 A01
MC3			4	1 0	76	76 X1.5X 3.1 76 X2.8X 2.5			SV	NS76007	12033-0M600
GA16S	1600	Sunny Pulsar VW10, VAJC23, EBI3. KAJC23	4	1 2 0	76	76 X 1.5X3.2 76 X1.5X3.2 76 X2.8X 2.8	RN		FV	NS76008	12033-57Y00 12033-57Y01 12033-84A11
GA16	1600	Sunny Pulsar VW10, VAJC23. EB13, KAJC23	4	1 2 0	76	76 X 1.5x 2.8 76 x 1.5X 3.4 76 X2.8x 2.8		GN GN	SV	NS76009	12033-94M00 12033-94M01 12033-94M02
VD20DE			6		76	76X1.2X 2.8 76 X 1.2X 3.2 76X2.5X 3.1			SV	NS76009A	12033-31U00
J15, J16	1567	Caravan Datsun Truck N521, G521, UN521, VN521 Bus SVE20, I I-VSE20, VPE20 Truck T20, VV20. HT20, VIIT20 Bus VE20. HE20, KT20, G K E20	4	1 2 0	77.95	77.95X 2 X 3.7 77.95X 2 X 3.7 77.95X 4 X3.4	RN		FV	NS77901	12033-01W60 12033-B3030 12033-01W61 12033-01W62 12033-B8200
L20ET	1998	Skyline	6	1 2 0	77.95	77.95X 2X 3.7 77.95X 2 X 3.7 77.95X 4 X 3.4	RN		FV	NS77902	12033-V0310 12033-V0300 12033-E3030 12033-V0400

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Engine Type	CC	Vehicle Model Chassis Type	Cyl. No.	Position	Dia	Size m/m (DXBXT)	Material	Surface Treatment	Set Type	CAPT. No.	O/E Part No.
L20A	1998		6	1 2 0	77.95	77.95X 2 X 3.6 77.95 X 2.5 X 3.7 77.95X 4 X 3.4	RN		FV	NS77903	12033-73402
L20A	1998	Cedric HI30, VIII 30, VIII 30, K230, W230. V230. K330, L330, tV330 BlueBird C-RGB I0, KG610. G610 Gloria HA30, VHA30 Skyline2000GT GC10, GC110, AGC110. KGC110, KPC110, WPC110, KGC10 Fairlady-Z S30, PS30. SG30, A-S30, AG610, KG610, CRG810	6	1 2 0	77.95	77.95x 1.5X 3.3 77.95X 2 X 3.6 77.95X 4 X 3.4	RN		FV	NS77904	12033-01L00
L20A (New)	1998	Skyline Fairlady	6		77.95	77.95X 1.2X 3.3 77.95X 2 X 3.7 77.95X 4 x 3.4			SV	NS77905	12033-Y7000 12033-Y7010 12033-Y701 I
CA16	1598	Stanza Auster	4	1 2 0	77.95	77.95 X 1.5 X3.3 77.95X 1.5X 3.5 77.95X4 X 3.4	RN		FV	NS77906	12033-D0400 12033-D0120 12033-06E10 12033-06E00
			4	1 2 0	77.95	77.95X 1.5 X 2.8 77.95X 1.5X 3.4 77.95 X2.8 X 2.7			SV	NS77907	12033-55M00
CA16DE			4	1 2 0	77.95	77.95 X 1.5 X 2.8 77.95 X 1.5 X 3.4 77.95 X 2.8 X 2.7		GN GN	SV	NS77908	12033-64M00
VG20	1998	Cedric Fairlady-Z	6	1 2 0	77.95	77.95X 1.5X 2.8 77.95 X 1.5 X 3.4 77.95 X 2.8 X 2.7			SV	NS77909	12033-V5310
RB20E	1998		6	1 2 0	77.95	77.95 X 1.5 X 77.95 X 1.5 x 3.4 77.95 X 2.8 X		Cr4	SV	NS77909A	12033-65L00
J18	1800		4	1 2 0	80.5	80.5 X 1.5 X 3.5 80.5X 2 X 3.7 80.5X 4 X 3.4	RN		FV	NS80501	12033-N7900 12033-24W00
G15	1483	Skyline C10, C10M, C10WT, C10S, WC10M, VC10M, VC10S	4	1 2 0	82	82 x 2 X4.1 82X 2x4.1 82X 4 x 3.9		Cr4	FV	NS82001	12033-28500
S20	1989	Fairlady PS30	6	1 2 0	82	82X 2X4.1 82 X 2 X4.1 82 X 4 X 3.9		Cr4	FV	NS82002	12033-A0201
3R18DI			4	1 0	82.5	82.5 X 1.5 x 3.3 82.5X3 X 2.5			SV	NS82501	12033-64J00
CA18N	1800	FC33, FJ32, KHGC22,	4	1 2 0	82.7	82.7X1.5x 3.1 82.7 X 1.5 X 3.7 82.7X 2.8 X 2.8		GN GN	SV	NS82701	12033-64E10
CA18T			4	1 2 0	83	83 X 1.5X 3.1 83 X1.5X 3.7 83X2.8x 2.8			SV	NS83001	12033-59B00
L13 L14 L16	1300 1400 1600	Bluebird 1300 510, V510, W510 Bluebird 1400 N510, VH510 Violet J710, JK710, V J710 Sunny A-PB210, PB210	4	1 2 0	83	83 X 2 x 3.95 83 X 2 x 3.9 83 X 4 X 3.4	RN		FV	NS83002	12033-A3501 12033-A3500 12033-W0700 12033-A0600 12033-21000 12033-23000

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Engine Type	CC	Vehicle Model Chassis Type	Cyl. No.	Position	Dia	Size m/m (DXBXT)	Material	Surface Treatment	Set Type	CAPT. No.	O/E Part No.
L24 L26	2400 2600	Bluebird	6	1 2 0	83	83 X 2 X 3.95 83 ~ 2 X 3.9 83 X 4 X 3.4	RN		FV	NS83003	12033-E3110 12033-W0810 12033-E3100 12033-A8620
L24	2400	Bluebird	6	1 2 0	83	83 X1.5X 3.1 83 X1.5X 3.6 83 X 4 x 3.45		Cr4	SV	NS83004	12033-51L00
Z16	1595	Violet Auster BC111,J811,SKS110, PA 11, PA 10, GRA, FPA,KL811	4	1, 2 0	83	83 X1.2X 3.6 83 X 2 X 3.9 83 X 4 X 3.4			SV	NS83005	12033-W7002
Z16	1595	Violet Auster	4	1 2 0	83	83 X 2 x 3.95 83 X 2 x 3.9 83 X 4X3.4	RN		FV	NS83006	12033-W7110
L24	2400	Bluebird	6	1 2 0	83	83X1.5X 3.6 83 X1.5X3.6 83 x 4 x 3.4	RN		FV	NS83007	12033-W3100
CA18T	1809	Stanza Auster	4	1 2 0	83	83 x 1.5X 3 83 X1.5X 3.7 83 x2.8X 3.2			SV	NS83008	12033-17F00 12033-18F00 12033-18F10
L24	2400	Bluebird	6	1 2 0	83	83 x1.2X 3.6 83 X 2 X 3.9 83 X4 X3.4			SV	NS83009	12033-U8770
L24	2400	Bluebird	6	1 2 0	83	83 X1.5X 3.6 83 X2 x 3.9 83X 4X 3.4	RN		FV	NS83009A	12033-W2420 12033-W2410 12033-W2400
CA18	1809	Stanza Auster	4	1 2 0	83	83 X1.5~ 3.6 83 X1.5X 3.6 83X 4 X 3.4	RN		FV	NS83009B	12033-01F00 12033-D0210 12033-D0500 12033-01E10 12033-01E00
CA18T			4	1 2 0	83	83 X1.5X 3.1 83 X1.5X 3.7 83 x2.8X 2.8			SV	NS83009C	12033-59B00
CA20	1973	Bluebird M 11, KMGC22, VNY30	4	1 2 0	84.5	84.5 X 1.5 X 3.6 84.5 X 1.5 X 3.9 84.5X 4 X 3.4	RN		FW	NS84501	12033-D2000 12033-D1700 12033-04E10 12033-04E00
CA208	2000	KMGC22, M 11. VNY30	4	1 2 0	84.5	84.5 X 1.5 X 3.1 84.5 X 1.5 X 3.7 84.5 X 2.8 X 2.8		GN	SV	NS84502	12033-61E10
CA20S	1973	KMGC22, VNY30	4	1 2 0	84.5	84.5 X 1.5 X 3.1 84.5 X 1.5 X 3.7 84.5 X 2.8 X 2.8		GN	SV	NS84503	12033-35R00
CA20	1973	Bluebird M 11, KMGC22, VNY30	4	1 2 0	84.5	84.5 X 1.5 X 3.15 84.5 X 1.5 X 3.7 84.5 X 2.8 X 2.8		Cr4	SV	NS84504	12033-13E00
CA20	1973	Bluebird M 11, KMGC22. VNY30	4	1 2 0	84.5	84.5 X 1.5X3.15 84.5X 1.5X 3.9 84.5X 4X3.35		Cr4	SV	NS84505	12033- D4710
Z18	1770	Bluebird	4	1 2 0	85	85 X 2X 4.05 85 X2 X4.05 85X 4 X3.4	RN		FV	NS85001	12033-W 1600 12033-W1510 12033-N9700
G18 L18	1770	Laurel c30, kc30 Skyline PC10. 110, WPC10. VPC10,110 Bluebird KH510, P610, KP010, H510. KH510, AP610 C-PJ810. C-P810	4	1 2 0	85	85X 2X4.2 85X 2 X 4.2 85X 4X 3.4		Cr4	FV	NS85002	12033-W0805 12033-A8701 12033-A8702 12033-A8713
			4	1 2 0	85	85X 2 X 4.2 85 X 2 X4.2 85X 4X 3.4		Cr1	FV	NS85003	

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Engine Type	CC	Vehicle Model Chassis Type	Cyl. No.	Position	Dia	Size m/m (DXBXT)	Material	Surface Treatment	Set Type	CAPT. No.	O/E Part No.
Z18	1770	Auster Stanza KPC231, F30, PC231, FRAI 1, P. PG, WP910,S-KS110	4	1 2 0	85	85 X1.2X 3.6 85X 2 X 4.2 85X 4X 3.4			SV	NS85004	12033-U58t0
Z20F	1952	Bluebird Silvia	4	1 2 0	85	85 X 1.2X 3.6 85 X 1.5X3.9 85 X 4 X 3.4			SV	NS85005	12033-N8500
Z20	1952	Laurel KVC231	4	1 2 0	85	85X 1.5X 3.6 85 X1.5X 3.9 85X 4 X 3.4	RN		FV	NS85006	12033-N8520 12033-N8510
Z20	1952	Laurel KHE24	4	1 2 0	85	85 X 1.5 X 3.15 85 X 1.5X3.7 85 X4X3.1		GN	SV	NS85007	12033-24G00
L20B	1998	Skyline	4	1 2 0	85	85 X2 X 4.05 85 X 2 X4.2 85 X 4 X 3.4	RN		FV	NS85008	12033-W0815 12033-U6000 12033-U6001 12033-U6002
L20B	1998	Skyline	4	1 2 0	85	85 X1.2X 3.6 85X 2 X 4.2 85 X 4 X 3.4			SV	NS85009	12033-04W00
P	3956	Truck 680,681,780,780,780.00 T780. S780 Bus E690	6	1 2 0	85.69	85.69X2.5 X 3.7 85.69X2.5 X 3.7 85.69 X 4.73 X			FV	NS85601	12033-C6000 12033-58003 12033-58004 12033-58005 12033-58008
P40			6	1 2 0	85.69	85.69x2.5X 3 85.69x 2.5X 3.5 85.69x4.73X 3,4	RN	Cr4	FV	NS85602	12033-C6011
RB30E	3000		6	1 2 0	86	86 X 1.5X 3,1 86 X 1.5 X 3 86 X2.8X 3.1		GN GN	SV	NS86001	12033-67S10 12033-B4910
L28E	2753	Leopard Fairady	6	1 2 0	86	86X 2X4.05 86 x 2 X 4.05 86X 4 x 3.4	RN		FV	NS86002	12033-P8360 12033-P8370
L28	2753	Laurel 2800 A-P330, KSC130, KP330, CKNC230, A-SC 130, CNC230	6	1 2 0	86	86 X 2 x4.05 86X 2 X 3.4 86X 4X 3.4	RN		FV	NS86003	12033-N4200 12033-N4210 12033-N4220
				1 2 0					SV		NS86004
L28E	2753	Laurel A-P330, KSC 130. KP330, CKNC230, A-SC130, CNC230 A-P330, KSC130, KP330. CKNC230, A-SCI 30. CNC230	6	1 2 0	86	86 X1.5X 3.6 86 X2 X 4.05 86 X 4X 3.4	RN		FV	NS86005	12033-P7910 12033-P7900
				1 2 0					RN		Cr4
SR20DE	1998	Bluebird HP10, PS13, KBC23. NU13, RNNI4	4	1 2 0	86	86 X 1.5X 3.1 86 X 1.5X 3.7 86X 3 X3.1			SV	NS86007	12033-53T00 -60J22 -60J62 -60J20
NA20S			4	1 2 0	86	86X1.5X 3.1 86 X1.5X 3.7 86 X4 X 3.4			SV	NS86008	12033-85G00
VG30	2960	Cedric Fairlady Gloria	6	1 2 0	87	87 X 1.5X 3.1 87 X1.5~ 3.9 87 X2.8X 3.1			SV	NS87001	12033-03P00 12033-02P10
VG30	2960	Caraban BP430, KEE24, WHYD21,JPY32, Z32, PY32, CZ32	6	1 2 0	87	87X2X3.1 87 X 1.5X3.8 87 X 2.8 X 2.47	RN		FV	NS87002	12033-15G10 12033-V8000 12033- 15V00

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Engine Type	CC	Vehicle Model Chassis Type	Cyl. No.	Position	Dia	Size m/m (DXBXT)	Material	Surface Treatment	Set Type	CAPT. No.	O/E Part No.										
VG30	2960	Caraban PY31, KE24, WHYD21, JPY32, Z32, PY32, CZ32	6	1	87	87 X1.5x 3.1		GN	SV	NS87003	12033-17V00 12033-017V01										
				2		87 X1.5X3.9		GN													
				0		87 X2.8X 3.1															
Z22	2187	Datsun Truck Cabstar U W40	4	1	87	87 X 1.5x 3.6	RN		FV	NS87004	12033-06W20 12033-06W10 12033- D8500										
				2		87 X1.5X3.6															
				0		87 X 4 X 3.4															
			4	1	87	87X1.5x 3.1			SV	NS87005	12033-T8300 12033-T8301										
				2		87X 1.5X 3.9															
				0		87 X 4X 3.1															
H20 H20P	1982	Cedric 130, V130, N230, VN230, AN230 Bus GC240, GC142, CH240, GHC240, GHC 1412, CHWT40, GHT40, A-KPSE20, H-GKPE20, GHWT40, GHT40, A-KPSE20, H-GKPE20, GHWT40, 657,664, KC 142, KC240 Truck HC240, 655,657,662, C142, C240, DC240, VC655, D660, 641, V641,641A, 642, 41,140 Silvia CPS311 Fairlady S P31 1 Bluebird R411 Truck 446, 446a, 641A, V641 President 150, 250 Truck C80, SC80, DSC80 Cedric YI30	4	1	87.2	87.2 X 2 X 4	RN		FV	NS87201	12033-Y4460 12033-14601 12033-R9000 12033-R9023										
				2		87.2 X 2.5X 4															
				0		87.2X 4 X 3.9															
				FJ20		1990						Skyline	4	1	89	89 X1.5X3.7	RN		FV	NS89001	12033-R2000
														2		89 X1.5X 3.9					
														0		89X2.8X 3.4					
				G20		1990						Laurel PC30, 130, KPC30, 130	4	1	89	89 X 2 X4.3		Cr4	FV	NS89002	12033-E6800
														2		89 X 2 X 4.3					
														0		89 X 4 X 3.9					
				NA20P									4	1	89	89 X1.5x 3.1		GN	SV	NS89003	12033-86G00
														2		89 X1.5X 3.9		GN			
														0		89 X2.8X 2.8					
Z24	2400	Datsun Truck	4	1	89	89X 2X3.1		GN	SV	NS89004	12033-13G10 12033-83W00										
				2		89 X1.5X 3.9															
				0		89 X 4 X 3.4															
			4	1	89	89 X 2 X3.1			SV	NS89005											
				2		89 X1.5X 3.9															
				0		89 X 4 X 3.4															
4	1	89	89X 2 X3.1			SV	NS89006	12033-21G00 12033-13A00													
	2		89 X1.5X 3.9																		
	0		89 X 4 X 3.15																		
Z24	2400	Datsun Truck	4	1	89	89 X1.5X3.7	RN		FV	NS89007	12033-30W10 12033-10W00										
				2		89 X 1.5X 3.9															
				0		89 X 4 X 3.4															
KA24	2388	Largo HM 11. W30	4	1	89	89 X 1.5X3.1			SV	NS89008	12033-53F01 12033-70F00										
				2		89 X 1.5X 3.9															
				0		89 X2.8X 3.1															

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Engine Type	CC	Vehicle Model Chassis Type	Cyl. No.	Posi- tion	Dia	Size m/m (DXBXT)	Material	Surface Treatment	Set Type	CAPT. No.	O/E Part No.
KA24DE			4	1 2 0	89	89X1.5X 3.1 89 X1.5X 3.9 89 x2.8X 3.1			SV	NS89009	12033-1E400 -4EI00
VG33E			6	1 2 0	91.5	91.5 X 1.5 X 3.25 91.5 X 1.5X 4 91.5 X 2.8 X 2.8			SV	NS91501	12033-0W000
Y40 Y44E	4414	President HI50 President H250, A-H250, E-H252. H252. C-H251	8	1 2 0	92	92 X 2 X4.18 92 X2.5X 4.4 92 X 4 X4.1	RN		FV	NS92001	12033-F1100 12033-F1110
FJ24	2400	Rally	4	1 2 0	92	92 X1.5X 3.7 92 X 1.2X 3.7 92 X 2.5 x 2.8	RN RN		FV	NS92002	12033-B3400
TB42 TB42E	4169	Safari	6	1 2 0	96	96 X 2 X3.3 96X 2 X 4.2 96 X 4 X 3.4		GN GN	SV	NS96001	12033-03100

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Engine Type	CC	Vehicle Model Chassis Type	Cyl. No.	Position	Dia	Size m/m (DXBXT)	Material	Surface Treatment	Set Type	CAPT. No.	O/E Part No.
CD17	1700	Sunny N12,13	4	1 2 0	80	80 x 1.75X 3.3 80 x2X 3.3 80 X 3X 2.5	RN		FX	NS80010	12033-16A00
CD17	1700		4	1 2 0	80	80 X1.75X3.1 80 X 2 X 3.3 80 X 3 X 2.5		GN	SX	NS80020	12033-16A 10
SD20 SD22	1991 2164	Cedric Q130,Q230,Q330	4	1 2 3 0 0	83	83 x2.5X 3.5 83 X 2 X 3.4 83 x 2X 3.4 83 x4.5x 3 83 x4.5X 3	RN RN	Cr4	FX	NS83010	12033-Y1402 12033-v 13 10 12033-Y 1404 12033-Y1410 12033-Y1401 12033-Y 1400 12033-Y1412 1 ST= HALF KEYSTONE
SD22			4	1 2 3 0 0	83	83X2.5x 3.5 83X2 X 3.4 83 x 2 x 3.4 83 x4.5X 3 83 X4.5x 3		Cr4		NS83020	12033-76202 12033-76203 12033-76204 1 ST= HALF KEYSTONE
SD33	3246	Truck QC80, QSC80, DQSC80, DQSC80A,B	6	1 2 3 0 0 0	83	83X2.5x 3.5 83 x 2X3.4 83 x 2 X 3.4 83 x4.5X 3	RN RN	Cr4	FX	NS83030	12033-J2204 12033-J2202 12033-J2200 12033-61503 12033-61500 1 ST= HALF KEYSTONE
SD33T	3246	Patrol	6	1 2 3 0 0	83	83x2.5x3.5 83x2x3.4 83x2x3.4 83x4.5x3 83x4.5x3.4	RN RN		FX	NS83040	12033-90000 1 ST=KEYSTONE
SD22 (NEW)	2164	Truck Q22,Q40,QC141 QC240,DQC240 HQC142,QC,DQC HQC240 Bus CQC240,GHQC240 658,665	4	1 2 0	83	83X2.5X3.5 83X2X3.4 83X4.5X3	RN RN		FX	NS83050	12033-R8100 12033-R8104 12033-R8110 12033-R8112 12033-R8114
SD33 (NEW)	3246		6	1 2 3 0 0	83	83X2.5X3.54 83X2X3.4 83X2X3. 83X4.5X3 83X4.5X3.4	RN RN	Cr4	FX	NS83060	12033-C6812 1 ST= HALF KEYSTONE
SD33T	3246		6	1 2 0	83	83X2.5X3.5 83X2X3.4 83X4X2.8	RN RN		FX	NS83070	12033-C8702 12033-C8704 1 ST= HALF KEYSTONE
SD15 SD16	1500 1600	Cedric-Diesel	3	1 2 0	83	83 X2.5X3.5 83X 2 X 3.4 83X4.5X 3	RN RN		FX	NS83080	12033-L2212 12033-L2214
LD28	2792	Datsun Truck	6	1 2 0	84.5	84.5X 2 X3.5 84.5X 2 X3.5 84.5X 4 X 2.9	RN		FX	NS84510	12033-V0700
CD20	1952	Datsun Truck VUJC22	4	1 2 0	84.5	84.5X 2X 3.1 84.5X 2 X 3.7 84.5X 3X2.8		GN GN	SM	NS84520	12033-57J00
LD20	1952	Datsun Truck VUJC22	4	1 2 0	85	85 X2 X 3.5 85 X 2 X3.5 85 X 4 X 2.5	RN		FX	NS85010	12033-W1700
RQ1	3000	Datsun Truck	6	1 2 0	85	85 X2X 3.5 85 X 2X3.5 85X 4X 2.5	RN		FX	NS85020	12033-V7200 12033-35E00 12033-W3400
LD20	1952	Datsun Truck VUJC22	4	1 2 0	85	85X 2 X3.5 85 X 2 X3.5 85 X 4X 2.5	RN		FX	NS85030	12033-35E25



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Engine Type	CC	Vehicle Model Chassis Type	Cyl. No.	Position	Dia	Size m/m (DXBXT)	Material	Surface Treatment	Set Type	CAPT. No.	O/E Part No.
LD20T	1952	Datsun Truck VUJC22	4	1 2 0	85	85 X 2 X 3.5 85 X 2 X 3.5 85X 4X 2.5	RN	Cr2	FX	NS85040	12033-W4200
RD-28T	2800	Laurel	6	1 2 0	85	85 X 2X3.1 85 X 2 X 3.5 85X 4X 2.5		GN	SM	NS85050	12033-22J 11
RD-28	2800	Laurel	6	1 2 0	85	85 X 2X3.1 85 X 2 X 3.5 85X 4X 2.5		GN	SM	NS85060	12033-40L11 12033-20V01
SD23 SD25	2494	Datsun Truck	4	1 2 0	89	89 X2.5x 3.7 89 X 2 X 3.7 89X4.5X 3.2	RN RN		FX	NS89010	12033-L2003 12033-L2002 12033-L2000
SD23 SD25	2494	Datsun Truck	4	1 2 0	89	89X2.5X 3.7 89 X 2 X3.7 89 X4.5X 3.2	RN RN		FX	NS89020	12033-L2006
TD23	2494	Datsun Truck	4	1 2 0	89	89 X2.5X 3.7 89 X2.5X 3.7 89 X 4 X3.2	RN RN		FM	NS89030	12033-02N10 12033-02N00
TD25 AD-4	2494	Datsun Truck	4	1 2 0	92.9	92.9 X 2.5 X 4 92.9X2.5 X 4 92.9X 4 X2.5	RN RN	Cr4	FM	NS92910	12033-44G10
TD25T1			4	1 2 0	92.9	92.9 x 2.5 x 3.8 92.9 X 2 X 4 92.9X 3 X 2.5	RN	GN GN	SM	NS92920	12033-3S910 1 ST= HALF KEYSTONE
TD27 AD-2	2700	Datsun Truck Caraban	4	1 2 0	96	96X2.5X 4 96X2X 4 96X4X2.5	RN RN		FM	NS96010	12033-43G10 12033-43G11
TD27T AD27T	2700		4	1 2 0	96	96 X2.5X 3.8 96 x 2X4.0 96 x 4X2.5	RN	GN GN	SM	NS96020	12033-37N 10 1 ST=KEYSTONE
TD27T AD-2T	2700	Datsun Truck Caraban	4	1 2 0	96	96 X2.5X3.8 96X2X 4 96 X 4 X 2.5		GN GN	SM	NS96030	12033-31N11 1 ST= HALF KEYSTONE
TD27 AD-2	2700		4	1 2 0	96	96 X2.5X 4 96X2X4 96 X 3 X2.5	RN RN	GN	FM	NS96040	12033-6T010
TD42 AD-3	4169	Datsun Jeep KD	6	1 2 0	96	96X2.5X 4 96X2X 4 96X4 X 2.5	RN RN		FM	NS96050	12033-06J 10
TD42T AD-3T	4169	Datsun Jeep KD	6	1 2 0	96	96X2.5X 4 96X2X 4 96 X 3X 2.5	RN RN	GN	FM	NS96060	12033-06J15
ED30	2956	Bus CYHT40, CYHWT40, GYC240, GHYC240 Truck YC230, DYC240, HYC240, DEYC240, JVYC240, Y40, EYT40, TWT40, DYWT40	4	1 2 3 0	98	98 X 3X 4.2 98 X 2X4.2 98 X 2 X 4.2 98 X4.5X 3.1	RN		FX	NS98010	12033-J2001 12033-J2002 12033-J2004 1203342008
				1 2 0	98	98 x 3 x 4.2 98 x 2 x 4.2 98X4.5x 3.1	RN		FX	NS98020	12033-J5571 12033-J5572 12033-J5574 12033-J5576
QD32NA AD5	3200	Caraban Datsun Truck	4	1 2 0	99.2	99.2 x 2.5 x 3.8 99.2X 2 X4.1 99.2x 3 X 2.5	RN	GN GN	SM	NS99210	12033-2S610
ED33 (New)	3300	Truck Datsun Truck	4	1 2 0	100	100 X 3 X 4.2 100X 2 X4.2 100 X 4.5 X3.2	RN		FX	NS10010	12033-J6500 12033-J6501 12033-T9000 12033-T9304
ED33 (New)	3300	Datsun Truck	4	1 2 0	100	100X 2 X 4 100 X 2 X 4.2 100 X 4 X 2.5	RN		FM	NS10020	12033-T9306

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Engine Type	CC	Vehicle Model Chassis Type	Cyl. No.	Posi- tion	Dia	Size m/m (DXBXT)	Material	Surface Treatment	Set Type	CAPT. No.	O/E Part No.
FD33T	3298	Datsun Truck	4	1	100	100 x 3 x 4.2	RN	Cr2	FX	NS10030	12033-T9302
				2		100 x 2 x 4.2					12033-T9308
				0		100 x 4.5 x 3.2					1 ST= HALF KEYSTONE
				1	100	100 X 3 X 4.2	RN	Cr1	FX	NS10040	
				2		100 X 2 X 4.2					
				0		100 X 4.5 X 3.2					1 ST= HALF KEYSTONE
ED35	3500	Datsun Truck	4	1	103	102.5X3X4.3	RN	Cr4	FM	NS10310	12033-56T10
				2		102.5X2X4.2					
				0		102.5X4X2.5					
FD35	3465	Condore	4	1	103	102.5x2x3.9	RN		FM	NS10320	12033-01T10
				2		102.5x2x4.2					
				0		102.5x4x2.5					
FD35T	3465	Condore	4	1	103	102.5X3X4.2	RN	Cr2	FM	NS10330	12033-01T60
				2		102.5X2X4.2					
				0		102.5X4X2.5					1 ST= HALF KEYSTONE
				1	103	102.5X3X4.2	RN	Cr1	FM	NS10340	
				2		102.5X2X4.2					
				0		102.5X4X2.5					1 ST= HALF KEYSTONE
FD3	4214	Aerasu	4	1	108	108x3X4.3	RN		FM	NS10350	12033-0T000
				2		108X2X4.5					
				0		108X4X2.5					12033-0T010



Toyota Gasoline

Engine Type	CC	Vehicle Model Chassis Type	Cyl. No.	Position	Dia	Size m/m (DXBXT)	Material	Surface Treatment	Set Type	CAPT. No.	O/E Part No.
IE-L	1000	Starlet	4	1	70.5	1.5x2.7		GN	SV	TO70501	13011-10070
				2		1.5x2.9		GN			-10080
2K	993	Publica	4	1	72	2X3.4			FV	TO72001	13011-12030,31
				2		2X3.4					-12010
				0		4X3.4					
2E,3E	1300	Corolla R-EE106V	4	1	73	1.5X2.8			SV	TO73001	13011-11040
				2		1.5X3.1					-11041
				0		3X2.8					-11060,-11061 -11090,-11080
4E-FE	1331	Corolla	4	1	74	1.2x2.7			SV	TO74001	13011-11122
				2		1.2x3.1					
				0		3x2.6					
5E	1300	Starlet	4	1	74	1.2X2.8			SV	TO74002	13011-11140
				2		1.2X3.1					13011-11160
				0		3X2.6					
1G-G	1988	Soarer Crown MarkII	6	1	75	1.2X3.3		GN	SV	TO75001	13011-70070
				2		1.5X3.3		GN			-70040
				0		4X3.1					-70061
4K(New)	1290	Corolla Sprinter Starlet	4	1	75	1.5X3.2	RN		FV	TO75002	13011-13010
				2		1.5X3.4					-13060
				0		4X3.6					
4K-C	1290	Publica 1000,KE10 Starlet 1200 Sprinter 1200 Corolla 1200	4	1	75	2X3.1			FV	TO75003	13011-13030
				2		2X3.4					
				0		4X3.1					
IG	1988	Soarer Crown Chaser MarkII Cresta	6	1	75	1.5x3.2	RN		FV	TO75004	13011-70010
				2		1.5X3.4					-70030
				0		4X3					
IG-Geu			6	1	75	1.2x3.25			SV	TO75005	13011-88300
				2		1.5x3.3					
				0		2.8x2.8					
K 3K	1077 1166	Corolla 1200 Corolla Publica ST	4	1	75	2x3.6			FV	TO75006	13011-
				2		2x3.6					-24020,23
				0		4x3.6					-24030,-22011
M,2M	1988	Crown 2000 MS41,MS50,MS52 ,MS56,MS46	6	1	75	2x3.6	RN		FV	TO75007	13011-41015
				2		2x3.6					-41040
				0		4x3.6					
2A	1295	Tercel Corsa	4	1	76	2x3.6			FV	TO76001	13011-14010
				2		2x3.6					-14011, -14020
				0		4x3.1					-14021
3P,4P	1345	Hi-Ace PH10,PH10-B, PK-10D,PH-10V ,PH10P,PH10SV Corona Van Toyoace PK32,PK32-B	4	1	76.6	2X3.5			FV	TO76601	13011-23030
				2		2X3.5					-23010
				0		4X3.5					
R	1453	Crown RS20,RA21 Corona PT20 Masterline RS26,RS26P,RS26V Dyna RK85,RK95	4	1	77	2.5X3.4			FV	TO77001	13011-39020
				2		2.5X3.4					
				0		4X3.4					
				0		4X3.4					
1A,3A	1452	Stout RK45,RK35 Toyoace RK40	4	1	77.5	1.5X3.2	RN		FV	TO77501	13011-15010
				2		1.5X3.2					-15011, -15020
				0		2.8X2.75					-15021
1A,3A	1452		4	1	77.5	1.5X3.1		RF	SV	TO77502	13011-15031
				2		1.5X3.4					
				0		2.8X2.8					
				1		1.5X3.1					
				2	77.5	1.5X3.4					
				0		2.8X2.8					
				0		1.5X3.1					
				2	77.5	1.5X3.4					
				0		2.8X2.8					
				0		1.5X3.1					
				2	77.5	1.5X3.4					
				0		2.8X2.8					
				0		1.5X3.1					



Toyota Gasoline

Engine Type	CC	Vehicle Model Chassis Type	Cyl. No.	Position	Dia	Size m/m (DXBXT)	Material	Surface Treatment	Set Type	CAPT. No.	O/E Part No.	
2R	1490	Corona RT40,RT50,PT56,RT46V Bus RH15B Stout RK43,RK47,RK47P,RK47V Toyoace PK41,PK41P,PK41V Hi-Lux RN10,R10D	4	1 2 0	78	2X3.7 2.5X3.7 4X3.6			FV	TO78001	13011-31030 -31040	
5A-F	1498	Corolla	4	1 2 0	78.7	1.5x2.8 1.5x3.4 3x3			SV	TO78701	13011-15050	
5A-F	1498	Corolla	4	1 2 0	78.7	1.2x2.8 1.5x3.4 3x2.8			SV	TO78702	13011-15100	
8A-FE			4	1 2 0	78.7	1.2X2.7 1.5X3 3X2.65		GN GN	SV	TO78703	13011-15130	
1ZZ	1800	Corolla	4	1 2 0	79	1.2x2.7 1.2x3.2 3x2.7			SV	TO79001	13011-22040	
4M	2563	Crown 2600 MS65,75,83,85,95	6	1 2 0	80	2X3.8 2X3.8 4X3.7	RN		FV	TO80001	13011-45021 -45040 -46030	
T	1407	Corolla 1400 Carina 1400 Celica	4	1 2 0	80	2x3.7 2x3.7 4x3.4	RN		FV	TO80002	13011-25041 -25020	
T-U	1407	Corolla Starlet	4	1 2 0	80	1.5X3.7 2X3.7 4X3.6		Cr4	FV	TO80003	13011-25042	
12R	1587	Corona Hi-Lux,Hi-Van Corona-Van Toyoace	4	1	80.5	2x3.9 2x3.9 4x3.8		Cr4	FV	TO80501	13011-31091 -31070,-31061 -31060	
				2 0								RN
1SL,1S-U	1832	Corona Corolla	4	1 2 0	80.5	1.5x3.3 1.5x3.7 4x3.1			SV	TO80503	13011-63010 -63011,-63020 -63030,-63030,31	
5K	1486	Camry Carina	4	1	80.5	1.5x3.3 1.5x3.65 4x3.1		GN	SV	TO80504	13011-13040 -13050, -13090	
				2 0								GN
7K	1486	Camry Carina	4	1	80.5	1.5x3.3 1.5x3.65 4x2.8		GN	SV	TO80505	13011-13100	
				2 0								GN
4A	1587	Corolla Sprinter	4	1 2 0	81	1.5x3.3 1.5x3.6 2.8x2.8			SV	TO81001	13011-16010 13011-16011	
4A	1587	Corolla AT190,AE101	4	1 2 0	81	1.5x3.3 1.5x3.6 2.8x2.8		GN GN	SV	TO81002	13011-16030 -16032, -16031	
4AF	1600	Corolla AT190,AE101	4	1	81	1.5x2.8 1.5x3.4 3x3		GN	SV	TO81003	13011-16140 -16120 -16070	
				2 0								GN
				1								81
2 0	GN											
4AG	1587		4	1	81	1.5x3.3 1.5x3.6 2.8x3		GN	SV	TO81006	13011-16190	
				2 0								GN
4AG	1600	Corolla AT190,AE101	4	1 2 0	81	1.5x3.3 1.5x3.6 2.8x2.8		RF	SV	TO81007	13011-16050	



Toyota Gasoline

Engine Type	CC	Vehicle Model Chassis Type	Cyl. No.	Posi- tion	Dia	Size m/m (DXBXT)	Material	Surface Treatment	Set Type	CAPT. No.	O/E Part No.
4AGEU	1600	Corolla AT190,AE101	4	1 2 0	81	1.5x3.3 1.5x3.6 2.8x2.8		GN	SV	TO81008	13011-16090
4AGZ	1587		4	1 2 0	81	1.2X3.1 1.5X3.6 2.8X2.8		GN	SV	TO81009	13011-16200 -16210
7AF	1800	Corolla	4	1 2 0	81	1.2x2.8 1.5x3.4 3x2.7			SV	TO81009A	13011-16300
7AF	1800	Corolla	4	1 2 0	81	1.2x2.8 1.5x3.4 3x2.7		GN GN	SV	TO81009B	13011-16320 13011-16330
7AF2	1800	Corolla	4	1 2 0	81	1.2x2.8 1.5x3.4 3x2.65			SV	TO81009C	13011-16340
4S	1838		4	1 2 0	82.5	1.5X3.1 1.5X3.8 4X2.8			SV	TO82501	13011-74120 -74121
2U	790	Mini-Ace UP100,100V	2	1 2 0	83	2X3.8 2X3.8 4X3.9		Cr4	FV	TO83001	13011-11010 -11021
5M	2759	Crown 2800 MS112 Celica 2800 MA56	6	1 2 0	83	2X3.8 2X3.8 4X3.45		Cr4	FV	TO83002	13011-43030 -43010
5MEU	2759	Celica XX 2800 MA56	6	1 2 0	83	2X3.1 2X3.8 4X2.8		GN GN	SV	TO83003	13011-43030 -43031
5MGE	2759	Crown Soarer Celica	6	1 2 0	83	1.5X3.5 1.5X3.7 4X3.1	RN		FV	TO83004	13011-43050 -43080
7MGE 7M-GTE	2954	Soarer	6	1 2 0	83	1.5x3.3 1.5x3.7 4x2.8	RN	GN	SV	TO83005	13011-42010 -42011
21R	1972	Corona 2000	4	1 2 0	84	2x3.9 2x3.9 4x3.1		Cr4	FV	TO84001	13011-37010
21R-C	1971	Corona 2000 RT133 Mark II Celica RA45 Camry RA56 Chaser RX41	4	1 2 0	84	1.5X3.6 2X3.8 4X3.45			SV	TO84002	13011-37030 -37050 -37060
21R-C	1072	Mark II /Cressida	4	1 2 0 1 2 0	84 84	1.5X3.1 1.5X3.8 4X3.1 1.5X3.1 1.5X3.8 4X3.1		GN GN Cr1 Cr1	SV	TO84003 TO84004	13011-37070 -37071
2S	2000	Camry SV11	4	1 2 0 1 2 0	84 84	1.5X3.6 1.5X3.8 4X3.25 1.5X3.6 1.5X3.8 4X3.25		GN Cr1 Cr1	SV	TO84005 TO84006	13011-74010 -74020 -74030
2T,3T	1588	Corona A-TT10D,11D	4	1 2 0	85	2x4 2x4 4x3.75			FV	TO85001	13011-26020 -26040, -26041 -27020
2TU,3TU	1588	Carina Camry Celica	4	1 2 0	85	1.5x3.8 1.5x3.8 4x3.1	RN	Cr4	FV	TO85002	13011-28020 ,30,31,70,71, 13011-28010 13011-28011
1Y 2Y,3Y	1600 2000	Hi-Lux Town Ace	4	1 2 0 1 2 0	86 86	1.5x3.3 1.5x3.9 4x3.15 1.5x3.3 1.5x3.9 4x3.15		GN GN Cr1 Cr1	SV	TO86001 TO86002	13011-71010 -71020,-71040 -71030,71033

Toyota Gasoline



Engine Type	CC	Vehicle Model Chassis Type	Cyl. No.	Posi- tion	Dia	Size m/m (DXBXT)	Material	Surface Treatment	Set Type	CAPT. No.	O/E Part No.
1RZ	1998	Hi-Ace RZH102V	4	1	86	1.75X3.3		GN	SV	TO86003	13011-75010 -75020
				2		1.5X3.6		GN			
				0	86	4X3.1		Cr1		TO86004	
				1		1.75X3.3		Cr1			
2JE-FE	2400		6	1	86	1.5X3.3		GN	SV	TO86005	13011-46050
				2		1.5X3.8		GN			
				0		4X2.8					
				1		1.5X3.3					
2JZ	3000	Crown Aristo Supra	6	1	86	1.5X3.3			SV	TO86006	13011-46040
				2		1.5X3.8					
3S-F, 3S-FE	1998	Corona SV35,32,ST182,ST185	4	0	86	4X2.85			SV	TO86007	13011-74091 -74072 -74070
				1		1.5X3.3					
3SG			4	2	86	1.5X3.7			SV	TO86008	13011-88363
				0		1.2X3.3					
6R 7R 8R	1707 1591 1858	Corona RT61,71,77, 84,94,RX10,20,26, RX16V,RT88V,RT60,70,76 Corona Mark II RT62K,72K,72H,72S,62H	4	0	86	4X3.4			FV	TO86009	13011-33030 -33022,-33021 -33020,-33010
				1		2X3.9					
IJZ	2500	Mark II	6	2	86	2.5X3.9			SV	TO86009A	13011-46030
				0		1.5X3.3					
5S	2200	Camry	4	1	87	1.5X3.6			SV	TO87001	13011-74290 -74260 -74261
				2		1.5X3.55		GN			
5S-FE			4	0	87	4X2.65			SV	TO87002	13011-74370
				1		1.2X2.85		GN			
1MZ	2994	Abaron	6	2	87.5	1.2X3.4	RN	GN	SV	TO87501	13011-20020
				0		1.2X2.8					
1UZ	4000	Celcio Lexus	8	1	87.5	1.2X3.2		GN	SV	TO87502	13011-50110
				2		1.2X3.4		GN			
1UZ-FE	4000	Celcio	8	0	87.5	3X2.7		GN	SV	TO87503	13011-50040
				1		1.5X3.3		GN			
2MZ	2500	Windom	6	2	87.5	1.5X3.8		GN	SV	TO87504	13011-20050
				1		1.2X2.9					
3VZ	2958	Hi-Lux VCV10	6	0	87.5	1.2X3.3			SV	TO87505	13011-65020
				1		1.5X3.3		GN			
3VZ	2958	Hi-Lux VCV10	6	2	87.5	1.5X3.7		GN	SV	TO87506	13011-65021 -62060
				0		1.5X3.8		GN			
3R	1877	Crown RS30,31,40,41,46G	4	0	88	4X2.8			FV	TO88001	13011-49010 -40010
				1		2.5X4.1					
5R	1994	Crown Stout RS50,RS50B, RK171,RK171V-B	4	2	88	2.5X4.1	RN		FV	TO88002	13011- -44060,-44010 -44030,40 -44042,-44043
				0		5X4.1					
16R 18R	1800 1968	Corona-Mark II	4	1	88.5	2X4.2			FV	TO88501	13011-34030 ,20,21,22 -38010,20,40,60 -34012,13 ,-34050
				2		2.5X4.2					
F	3878	Truck FA80,FA80D	6	0	90	4X3.85			FV	TO90001	13011-60011 -69021
				1		3X3.7					
				2		3X3.7					
				0		4X4.1					
				0		4X3.7					
				0		4X3.7					



Toyota Gasoline

Engine Type	CC	Vehicle Model Chassis Type	Cyl. No.	Posi- tion	Dia	Size m/m (DXBXT)	Material	Surface Treatment	Set Type	CAPT. No.	O/E Part No.
F(New)	3878	Truck FA80,FA80D, FA90,FC80,FA90D,FA100, FA110,FJ40,2FQ10,FJ43	6	1 2 0 0	90	2X4 2.5X4 4X4 4X4			FV	TO90002	13011-60040
4Y	2200	For Leaded	4	1 2 0	91	1.5X3.3 1.5X4 4X3.1		GN	SV	TO91001	13011-73030 -73020 -73031,73032
				1 2 0	91	1.5X3.3 1.5X4 4X3.1		Cr1		TO91002	-73040
22R	2366	Coaster	4	1 2 0	92	2.0x4.2 2.5x4.2 4x3.1		Cr4	FV	TO92001	13011-35030 13011-35020 13011-35010
22R-2	2400	Cressida	4	1 2 0	92	1.5X3.3 1.5X4 4X3.1		GN	SV	TO92002	13011-35040 -35050,35052 -35060,35061 -35070,35071
				1 2 0	92	1.5X3.3 1.5X4 4X3.1		Cr1	SV	TO92003	
5VZ	3378	Hi-Lux	6	1 2 0	93.5	1.5x3.3 1.5x4 4x2.85		GN	SV	TO93501	13011-62110 -62120
				1 2 0	94	2X4.2 2.5X4.2 4X3.9		Cr1	FV	TO94001	13011-61010
3F	4000	Land Cruiser	6	1 2 0	94	1.5X3.6 1.5X4 4X3.4		GN	SV	TO94002	13011-61060 -61061
				1 2 0	94	1.5X3.6 1.5X4 4X3.4		Cr1		TO94003	
				1 2 0	94	2x3.35 2x4 4x3.4		Cr1	SV	TO94004	13011-61062
2RE-FE	2438	Hi-Ace RZH101G	4	1 2 0	95	1.5X3.5 1.5X3.6 4X2.95		GN	SV	TO95001	13011-75040
				1 2 0	95	1.75X3.5 1.5X3.8 4X3.15	RN	GN	SV	TO95002	13011-75030
2TZ-FE	2400		4	1 2 0	95	1.75X3.65 1.5X3.8 4X3.1		GN	SV	TO95003	13011-76050
3RZ-FE	2693	Hi-Lucex Granbia Dyna	4	1 2 0	95	1.75x3.5 1.5x3.6 4x2.95		GN	SV	TO95004	13011-75060
				1 2 0	100	1.75x3.8 2x3.8 4x3.15		GN	SV	TO10001	13011-66021
1FZ	4476	Landcruiser FZJ80G	6	1 2 0	100	1.75x3.6 2x3.8 4x3.15		GN	SV	TO10002	13011-66020
				1 2 0	100	1.75x3.6 2x3.8 4x3.15		GN			

Toyota Diesel



Engine Type	CC	Vehicle Model Chassis Type	Cyl. No.	Position	Dia	Size m/m (DXBXT)	Material	Surface Treatment	Set Type	CAPT. No.	O/E Part No.
IN-T	1500	Starlet	4	1 2 0	74	74 X1.5X 2.7 74 x 1.5x 3.2 74X 3 X2.8		GN	SV	TO74010	13011-55010 -55011 1 ST= HALF KEYSTONE
1C, 1CL	1839	Corona Carina Carola Sprinter	4	1 2 0	83	83X 2 X 3.7 83 X 2X 3.7 83 X 4 X2.7	RN	Cr4	FX	TO83010	13011-64020.10 -64040 -64070 -64080 1 ST= HALF KEYSTONE
1C	1839	Corona Carina Carola	4	1 2 0	83	83X2X3.1 83 X 2 X 3.6 83 X 3 X 2.8		GN GN	SV	TO83020	1301 I -64130 -64220 1 ST= HALF KEYSTONE
2C	1974	Carolla Master Ace CE100,CT141,CV30 CHR11G	4	1 2 0	86	86 X1.75X3.1 86 X 2 X 3.5 86X 3 X 2		GN	SM	TO86010	13011-64170 1 ST= HALF KEYSTONE
2C	1974	Carola Mater Ace CE100,CT141,CV30 CHR11G	4	1 2 0	86	86 X 2 X 3.3 86 X 2 X 3.9 86 X 4 X 2.5	RN	GN	SX	TO86020	13011-64060 -64110 -64150 1 ST= HALF KEYSTONE
2C(New)	1974	Carolla Master Ace CE 100, CT141. CV30, CHRI 1G	4	1 2 0	86	86X 2 X 3.3 86 X 2 X 3.5 86X3X 2		GN	S M	TO86030	1301 I -64190 1 ST= HALF KEYSTONE
2C	2000	Carina Famaraw FX	4	1 2 0	86	86 X 2X 3.3 86 X 2 X 3.4 86 X 3 X 2	RN	GN GN	SM	TO86040	13011-64202 1 ST= HALF KEYSTONE
1DZ, 3C-T	2184	Estima. Lucina Emina CXR 1 IG	4	1 2 0	86	86 X 2x3.1 86 X 2 X 3.6 86 X 4 X 2.5		GN GN	SM	TO86050	13011 -78201 1 ST= HALF KEYSTONE
2VZ-FE			6	1 2 0	87.5	87.5 X 1.5 X 3.3 87.5 X 1.5 X 3.8 87.5X 3 X 2.8		GN	SV	TO87510	13011-62040
J 2J	2336 2481	Dyna JK170B, JK171B. JK170DH, JK175, JKI71DH, JK170. JKI76V	4	1 2 3 0 0	88	88 X2.5X 3.8 88 X2.5x 3.8 88 X2.5X 3.8 88 X 4 X 3.8 88 X 4 X 3.8		Cr4	FO	TO88010	1301 I -46021
2J(New)	2481	Dyna	4	1 2 3 0	88	88 X2.5X 3.8 88 X2.5X 3.8 88 X2.5X 3.8 88 X4~ 4	RN		FX	TO88020	1301 I -48021 -48013 1 ST=KEYSTONE
				1 2 0	88	88 X2.5X 3.8 88 X2.5X 3.8 88 X 4 X 2.9	RN		FX	TO88030	13011-48023 -48022 -48030 1 ST= HALF KEYSTONE
H	3576	Dyna H-Mobit	6	1 2 3 0 0	88	88 X2.5X 3.8 88 X2.5x 3.8 88 X2.5X 3.8 88 X 4 X 3.8 88 X 4 X 3.8		Cr4	FO	TO88040	13011-47020
H(New)	3576	Dyna	6	1 2 3 0	88	88 X2.5X 3.8 88 X2.5X 3.8 88 X2.5X 3.8 88 X 4 X 2.9	RN		FX	TO88050	13011 -47021 1 ST= HALF KEYSTONE
H(New, New)	3576	Dyna	6	1 2 0	88	88 X2.5X 3.8 88 X 2.5 X3.8 88 X 4 X 2.9	RN	Cr4	FX	TO88060	13011-47023 -47022 1 ST= HALF KEYSTONE
20R	2189	Coaster	4	1 2 0 0	88.5	88.5X 2 X 4.2 88.5 X 2.5 X 4.2 88.5 X 4X4 88.5 X 4 X 4		Cr4	FX	TO88510	13011-38030

Toyota Diesel



Engine Type	CC	Vehicle Model Chassis Type	Cyl. No.	Position	Dia	Size m/m (DXBXT)	Material	Surface Treatment	Set Type	CAPT. No.	O/E Part No.
L	2188	Crown Chaser Mark II Hi-Ace Wagon Brizzard Coaster Toyoace Hi-Luxe Quick Delivery	4	1 2 0	90	90 X2.5X 3.8 90 X 2X 3.9 90 X 4 X 3	RN	Cr4	FX	TO90010	13011-54021 -54020 -54010
L(New)	2188	Crown Chaser Mark II Hi-Ace Wagon Brizzard Coaster Toyoace Hi-Luxe Quick Delivery	4	1 2 0	90	90 X 2 X3.8 90 X 2 X3.9 90 X 4 X 3	RN	Cr4	FX	TO90020	1301 I -54040 -5404 I -54042 -54030,31,32 1 ST= HALF KEYSTONE
2L	2400	Toyoace. Hi-Luxe Brizzard LS 130V, LX80, LJ 71G LX90, LX 130	4	1 2 0	90	90 X 2 X 3.4 90 X 2 X 3.9 90 X4X 3	RN		FX	TO90030	13011-54080 1 ST= HALF KEYSTONE
2H	3980	Land Cruiser Coaster	6	1 2 0	91	91 X2.52X 4 91 X2.52X 4 91 X 4 X 3.1	RN		FX	TO91010	13011-96601 -68010 -68020 1 ST= HALF KEYSTONE
12H-T	3980	Bus Coaster	6	1 2 0	91	91 X2.5X 3.5 91 X2.5X 4 91 X 4X 3.1		GN	SX	TO91020	13011 -68030 1 ST= HALF KEYSTONE
DR100 DQ100	4507	Truck	6	1 2 3 0 0	92	92 X 2.5x 3.9 92 X2.5x 3.9 92 X2.5X 3.9 92 X 4 X 3.9 92 X 4 X 3.9	RN		FO	TO92010	13011-66010
2L-T ,2L-TE	2446	Crown Chaser Corona Mark II	4	1 2 0	92	92 X 2 X 3.6 92X 2X 4 92 X 4X3.3			SX	TO92020	13011 -54090 -54060 -54050 -54061,54062 -54100 1 ST= HALF KEYSTONE
1H,1HZ	3576	Land Cruiser HZ181V, HDJ81V	6	1 2 0	94	94 X 2 X 3.6 94 X 2 X 4 94 X 4 X2.7			SX	TO94010	13011-17010,17011 -17020,17030 1 ST= HALF KEYSTONE
1PZ	3500	Land Cruiser ('90 -'94)	5	1 2 0	94	94 x 2 x 3.6 94 X2 x 4 94 x 4 x2.5		GN GN	SM	TO94020	13011 -18010 -18030 1 ST= HALF KEYSTONE
B	2977	Dyna Bu10,12,15,20,30	4	1 2 3 0	95	95 X2.5x 4.2 95X2.5x 4.2 95 X2.5x 4.2 95X4.5X 3.3		Cr4	FX	TO95010	13011 -56010
B(New)	2977	Dyna	4	1 2 3 0	95	95 x2.5x 3.9 95 x2.5x 4.3 95 x 2.5 x 4.3 95X4.5 x 3.3	RN		FX	TO95020	13011 -56011 1 ST= HALF KEYSTONE
B(New, New)	2977	Dyna Toyoace	4	1 2 0	95	95 X2.5X 4.1 95 X 2.5 X 4.3 95X4.5 X 3.4	RN	Cr4	FX	TO95030	13011-56021,56022 -56013 -50012 1 ST= HALF KEYSTONE
10B,11B B(NEW, NEW)	2977		4	1 2 0	95	95 X2.5X 3.6 95 X 2 X 4.2 95 X 4 X	RN		FX	TO95040	13011-56040 1 ST= HALF KEYSTONE



Toyota Diesel

Engine Type	CC	Vehicle Model Chassis Type	Cyl. No.	Position	Dia	Size m/m (DXBXT)	Material	Surface Treatment	Set Type	CAPT. No.	O/E Part No.
11B	2977	Dyna Toyoace	4	1	95	95X2.5X 3.6		GN	SM	TO95050	13011 -56041
				2		95X2.0X 4.2		GN			
				0		95 X4.0X 3.4					1 ST= HALF KEYSTONE
11B	2977	Dyna Toyoace	4	1	95	95 X2.5X 3.8	RN	GN	SX	TO95060	13011 -56030
				2		95 X2.5X4.3					
				0		95 X4.5X 3.4					
1Z	2977	Dyna	4	1	96	96 X 2 X 3.6			SX	TO96010	13011 -78300
				2		96 X 2 X4.3					
				0		96 X 4 X 3					
3L	2779	Toyoace Hi-Luxe Hi-Acc Van LY51	4	1	96	96 X 2 X3.3			SX	TO96020	13011-54120
				2		96X 2 X4.2					
				0		96 X 4 x 2.7					1 ST= HALF KEYSTONE
1KZ-T ,1XZ-TE	2982	Hi-Acc Land Cruiser Hi-lux Surf	4	1	96	96 X 1.94 X 3.3			SM	TO96030	13011-67030
				2		96X 2 X 3.4					
				0		96 X 3 X 2					1 ST= HALF KEYSTONE
2B	3186	Land Cruiser	4	1	98	98 X 2.526 X 4.1	RN	Cr4	FX	TO98010	13011 -57010
				2		98X2.5X 4.3					
				0		98X4.5X 3.4					1 ST= HALF KEYSTONE
2Z 13Z			1	1	98	98 X2 X3.6		GN	SM	TO98020	13011-78701-71 -78760-71
				2		98 X2 X 3.55					
				0		98 X 4 X 2.5		GN			
5L	3000	Hi-Ace	4	1	99.5	99.5X 2X 3.6		GN	SM	TO99510	13011-54130
				2		99.5 x 1.5 x 3.7					
				0		99.5X4.4X 4		GN			
D	5890	DA 100, DA 100D, DC80C	6	1	100	100 X3 X 4			FO	TO10010	13011-79011 -76010
				2		100 X3 X 4					
				3		100 X 3 X 4					
				0		100X 4 X 4					
				0		100 X 4 X 4					
1D	5890		6	1	100	100 X 3 X 4		Cr4	FO	TO10020	13011-76012
				2		100 X 3X 4					
				3		100 X 3 X 4					
				0		100X 4 X 4					
				0		100 X4 X 4					
3B	3431	Land Cruiser Dyna Coaster	4	1	102	102 X2.55X4.3	RN	Cr4	FX	TO10210	13011 -58010
				2		102 X 2.5 X 4.3					
				0		102 X 4.5 X3.4					1 ST= HALF KEYSTONE
13B	3400	Dyna Coastcr	4	1	102	102 X2.5X 4.1	RN		FX	TO10220	13011-58030
				2		102 X 2.5 X 4.3					
				0		102 X 4.5 X 2.8					
13BT	3431	Toyoace BUS Dyna BUS	4	1	102	102 x 2.5X 4.1	RN		FX	TO10230	
				2		102X 2.5 x 4.3					
				0		102 X 4.5 x 2.8	RN				
3BK	3431	Dyna Coaster Land Cruiser B,I60 DAIHATSU Delta HINO Ranger HV48	4	1	102	102 X2.54X 4.1	RN	Cr4	FX	TO10240	13011-58011
				2		102 X 2.5 X 4.3					
				0		102 X 4.5 X 2.6	RN				1ST=K EYSTON E
13B(New) 14B	3400 3700	Dyna Coaster	4	1	102	102 x2.5x 4.1	RN	GN	SX	TO10250	13011-58050
				2		102 x 2 x 4.3					
				3		102X 4 x 4					1 ST= HALF KEYSTONE
				1		102 x2.5x 4.1	RN		FX	TO10260	
				2	102	102 x 2 X4.3					
				3		102 X 4 x 4	RN				1 ST= HALF KEYSTONE
14BT	3660	Dyna Coaster	4	1	102	102 X3 X 3.8		GN	SM	TO10270	13011 -58060
				2		102 X 2 X 4.3					
				0		102 X 4 X 2.35		GN			1 ST= HALF KEYSTONE
14B	3660	Dyna Coaster	4	1	102	102 X 2.5 x 3.8		GN	SM	TO10280	13011 -58070
				2		102 X 2 x 4.3					
				0		102 X 4 X2.35		GN			1 ST= HALF KEYSTONE
1W			4	1	104	104 X2.5X 4.3	RN	Cr4	FX	TO10410	13011 -78010
				2		104X 2 X 4.3					
				0		104 X 5 X 3.2					



Toyota Diesel

Engine Type	CC	Vehicle Model Chassis Type	Cyl. No.	Posi- tion	Dia	Size m/m (DXBXT)	Material	Surface Treatment	Set Type	CAPT. No.	O/E Part No.
2D	6494	DA90, DB90, DA90D, DB92, DA95, DB 102, DA110, DR11, DA115D, DB100C	6	1	105	105 X 3 X 4.2	RN	Cr4	FX	TO10510	13011-77022
				2		105 X 3X 4.2					-77023
				3		105 X 3 X4.2					-77010
				0		105 X 5 X 3.2					-77020
			0								-77021
2D	6494	DA90, DB90, DA90D, DB92, DA95, DB 102, DA110, DR11, DA115D, DB100C	6	1	105	105 X 3 X 4.2		Cr4	FX	TO10520	13011-77024
				2		105 X 3 X 4.2					
				3		105 X 3 X 4.2					
				0		105 X 5 X 3.4					
2D	6494	Truck	6	1	105	105X 3 X 4	RN	Cr4	FX	TO10530	13011-77040
				2		105 X 2.5 X4.5					-77041
				3		105 X 2.5 X 4.5					-77050
				0		105 X 5 X 3.5					1 ST= HALF KEYSTONE

Mazda Gasoline



Engine Type	CC	Vehicle Model Chassis Type	Cyl. No.	Position	Dia	Size m/m (DXBXT)	Material	Surface Treatment	Set Type	CAPT. No.	O/E Part No.
	800	Familia 800	4	1 2 0	58	58 X1.5X 2.7 58 X 1.5X 2.7 58 X 4 X 2.2	RN		FE	MZ58001	0187-23-999
UA	987	Familia 1000	2	1 2 3	61	61 X 2 X2.8 61 X 2 X 2.8 61X 2 X 2.5	RN		FE	MZ61001	0419-23-110A 1 ST= HALF KEYSTONE
PB	987	Familia 1000 SPB. SPA. BPAV, BPAVO, PPBKV Truck FPA, FPAV, EPAH. H-FPA, H-FPAV	4	1 2 0	68	68 X 2X 3 68X2X 3 68 X 4 X2.425	RN		FV	MZ68001	0249-23-170A 0249-23-206 0259-23-170A 0259-23-206
B1	987	Truck	4	1 2 0	68	68 X1.2X 2.6 68 X1.5X 2.9 68 X 3 X 2.8		GN GN	SV	MZ68002	B1Y1-11-SCOA
E1	1100	Familia Truck	4	1 2 0	70	70 X1.5X2.8 70 X 2 X3.1 70 X 4 X 3.2		RF	SV	MZ70001	E 103-23-130C
E1	1100	Familia Truck	4	1 2 0	70	70 X1.2X3.15 70 X 1.5X 3.1 70 X 4 X3.2			SV	MZ70002	E101-23-130A
E1	1100		4	1 2 0	70	70 X 1.2X 3.15 70 X 1.5X 3.1 70 x 4X3.2			SV	MZ70003	E101-23-130
TA	1100	D1100	4	1 2 0	70	70 X2.5X 3.1 70 X2.5X 3.1 70 X 4 X3.1			FO	MZ70004	0106-11-999
PA	985	Familia-Coupe	4	1 2 0	70	70 X 2 X 3.1 70X2X3.1 70 X 4 X 2.5	RN		FE	MZ70005	0221-23-999 0271-23-206
TB	1139	Familia 1000 STA, BTA65, BTAV, BTA55	4	1 2 0	70	70 X 2X3.1 70 X 2 X3.1 70 x 4 X 2.5	RN		FV	MZ70006	0268-23-170A
TB	985		4	1 2 0	70	70 X 2 X 3.1 70 X 2 X3.1 70 X 4 X	RN		FE	MZ70007	0268-23-206
PC TB	985 1139	Prest 1200 Familia 1000, 1200 STA, BTA65, BTAV. BTA55, SPC, SPCV, FA3PS, A-FA3PS	4	1 2 0	70	70 X 2 X3.1 70X 2 X3.1 70 X 4 X 2.5	RN		FV	MZ70008	0317-23-175 0317-23-130
PC	985	Familia	4	1 2 0	70	70 X 1.5X 3.1 70 X 1.5X 3.1 70 X 4 X3.1	RN		FV	MZ70009	8698-23-130
B3	1300	BG3S	4	1 2 0 1 2 0	71 71	71X 1.2 X2.6 71X1.5X 2.9 71 X3 X2.8 71 x 1.2x 2.6 71 x 1.5x2.9 71 x 3 X2.8		GN GN Cr1	SV	MZ71001 MZ71002	B3Y1-11-SCOA B3Y0-11-SCOA
TC(New)	1272	Familia	4	1 2 0 1 2 0	73 73	73 X 1.5X 3.1 73 X 1.5X 3.1 73 X4X3.1 73 X 1.5X 3.1 73 x 1.5x 3.1 73X4x3.1	RN RN	Cr4 Cr1	FV	MZ73001 MZ73002	8034-23-130A
TC	1272	Familia 1300 STB,STBU,STC FA3TS,FA2T55,65 BS7C HSTBU,HSTCV, HFA2T55,65 Truck BAT67	4	1 2 0	73	73X2X3.1 73X2X3.1 73 X 4 X2.5	RN		FV	MZ73003	



Mazda Gasoline

Engine Type	CC	Vehicle Model Chassis Type	Cyl. No.	Position	Dia	Size m/m (DXBXT)	Material	Surface Treatment	Set Type	CAPT. No.	O/E Part No.
JF			6	1 2 0	74	74 X 1.5x 3.1 74 X 1.5X 3.4 74 X 4 X3.1			SV	MZ74001	0324-23-130 0324-23-175
UA	1484	Truck	4	1 2 0	75	75 x2.5X3.3 75 x2.5X 3.3 75X 4 X 2.8			FV	MZ75001	0603-23-170 0603-23-999
DUC,UA (New)	1484	New Craft	4	1 2 0	75	75 X2 X3.3 75 X 2 X 3.3 75 X4x3.1	RN		FV	MZ75002	0571-23-170 0571-23-180
Z5D	1489	Protégé	4	1 2 0	75.3	75.3X 1 X 2.8 75.3 X 1.2 X 3.2 75.3 X 2.5 x 2.5			SV	MZ75301	Z5Z0-11-SC0
E3	1296		4	1 2 0	77	77 X 1.2 X 3.35 77 X 1.5X 3.2 77 X 4 X 3.2		Cr4	SV	MZ77001	E301-23-130A
E3	1296		4	1 2 0	77	77 X 1.5X 3.1 77 X 2 X 3.3 77 x 4 X 3.2		GN	SV	MZ77002	E320-23-130A
E3, E5	1490	Familia RF5V	4	1 2 0	77	77 X 1.2 X 3.35 77 X1.5X 3.2 77 X 4 X 3.2		Cr4	SV	MZ77003	E301-23-130
E5	1500	Familia RF5V	4	1 2 0	77	77 X1.2X3.1 77 X 1.5X 3.2 77 X 4 X 3.2		RF	SV	MZ77004	E512-23-130
E5	1500	Familia RF5V	4	1 2 0	77	77 X1.2X3.1 77X 1.5X3.2 77 X 4 X3.2		Cr1	SV	MZ77005	
UC	1415	Familia(323,GLC)	4	1 2 0	77	77 X 1.5x 3.2 77 X1.5 x 3.2 77 X 4 X 3.2	RN	Cr4	FV	MZ77006	8509-23-130A
				1 2 0			77	RN	Cr1	FV	MZ77007
E5	1490	Familia RF5V	4	1 2 0	77	77 X1.5X3.1 77 X 2X3.3 77 X 4X3.2		RF	SV	MZ77008	E302-23-130A
				1 2 0			77		Cr1	SV	MZ77009
NA(New)	1796	Luce 1800	4	1 2 0	78	78 x 1.2x 3.35 78 x 1.5 x3.6 78 X 4 X 3.7		Cr4	SV	MZ78001	8170-23-130A 8658-23-130
				1 2 0			78		Cr1		MZ78002
NA, VB	1796	Luce 1800	4	1 2 0	78	78 X 1.5X 3.6 78 X 1.5 X 3.6 78 X 4 X 3.6	RN		FV	MZ78003	0494-23-130 0290-23-130,131 0305-23-130 0484-23-130
B6	1600	Capela BG6R,NA6CE,GV6V	4	1 2 0	78	78 x 1.5 X 3.1 78 x 1.5 X 3.4 78 x 4 X3.1		GN	SV	MZ78004	B6Y0- 11-SCO
				1 2 0			78			SV	MZ78005
VB	1769	Familia 1600 SN3A,SN4A,SN3AV B-SN4A,H-SN3AV Capela SNA,B-SNA Truck BNA61,H-BN61	4	1 2 0	78	78 X 1.5 x 3.6 78 X1.5 x 3.6 78 x 4 x 3.6	RN		FV	MZ78006	3763-23-130 0222-23-206 0222-23-130
NA	1586	Luce	4	1 2 0	78	78 X 1.5 x 3.35 78 X 2 x 3.6 78X 4 X 3.2		Cr4	SV	MZ78007	H617-23-130

Mazda Gasoline



Engine Type	CC	Vehicle Model Chassis Type	Cyl. No.	Position	Dia	Size m/m (DXBXT)	Material	Surface Treatment	Set Type	CAPT. No.	O/E Part No.
B62A	1600	Capela BG6R,NA6CE,GV6V	4	1 1 0	78	78 X 1.5X 3.1 78X1.5 x 3.4 78 X 3 x 3.1		Cr1	SV	MZ78008	B6Y3-11-SCO
MA(New) VC(New)	2000	Cosmo 2000 LA2VS, 2VV, 3VS, C-LA30S, 2VV	4	1	80	80 x 1.2 x 3.65 80 X1.5X 3.6 80 X 4 X 3.7		Cr4	SV	MZ80001	8682-23-130A HE18-23-130
				2 0					SV	MZ80002	8682-23-130
VC,MA	2000	Luce LA2VS, 2VV, 3VS, C-LA30S, 2VV Cosmo C-CD2VC	4	1 2 0	80	80 x 2 x 3.6 80X 2 X3.7 80 X 4 x 3.6	RN		FV	MZ80003	3975-23-130 0453-23-130
MA	1970	Cosmo Luce	4	1 2 0	80	80 X1.5X3.35 80 X 2 x 3.7 80 x 4 x3.2		Cr4	SV	MZ80004	HE05-23-130
F6	1587	Capela	4	1	81	81 X1.5X 3.3 81 X1.5X 3.6 81 x 4 x3.2		RF	SV	MZ81001	F601-23-130
				2 0					SV	MZ81002	
EVB, VA	1985	G2000	4	1 2 0	82	82 x 2 x 3.6 82 x 2 x 3.6 82 x 4.5 x 3.6	RN		FV	MZ82001	0552-23-180 0552-23-190 1352-23-130
VA	1985	Truck LE2000, EVAI2, 12D, 12P.32S,EVB 12. 12D, 43S, 13S Three-wheeled Vehicles TVAI2, 32S, 82, 82A, AEVA, AEVA, B, TVADA, TVADB	4	1 2 0	82	82 x2.5x 3.6 82 x2.5x 3.6 82 x4.5x 3.6			FV	MZ82002	0164-11-999
BP	1800	Familia BG8Z. BGSP	4	1 2 0	83	83 X1.5X 3.3 83 X1.5X 3.6 83x 3X3.1		Cr1	SV	MZ83001	
323(BPD)	1800	Lantis	4	1 2 0	83	83 X1.5X 3.3 83 X1.5X 3.6 83x3 x3.1		GN	SV	MZ83002	BPY4-11-SCO BPY4-11-SDO
FPD,FSD	1800	Familia	4	1 2 0	83	83 X 1.2x 3.1 83 X1.5X 3.6 83x 3x3.1			SV	MZ83003	FSY2-11-SCO
F8	1799	Bongo, Truck Capera Cargo SS88U, GV8W	4	1	86	86 X1.5X 3.3 86 X1.5X 3.8 86 x 4 X3.5		RF	SV	MZ86001	F801-23-130 F2Y-1-11-SCO
				2 0					SV	MZ86002	
FE	2000	Bongo GVER, HCEP, HBEY, SREOW, SREAV Truck	4	1	86	86X1.5X 3.3 86 X1.5X 3.8 86 X 4 X 3.4		GN	SV	MZ86003	F2Y1-11-SCO F2Y2-11-SCO
				2 0					SV	MZ86004	
EXA	2522		4	1 2 3 0 0	88.9	88.9X2.383X3.5 88.9X2.383X3.5 88.9X2.383X3.5 88.9X4.763X3.5 88.9X4.763X3.5	RN RN RN RN RN		FO	MZ88901	0559-23-206
JE	3000	Center	6	1 2 0	90	90 X 1.5X3.3 90 X 1.5X3.8 90X4 X3.4		GN	SV	MZ90001	JEY1- 11-SCO
G6			4	1 ..) 0	92	92 X1.5X 3.3 92 X1.5X 4.1 92 X 4 X3.4			SV	MZ92001	G601-11-SCOA



Mazda Diesel

Engine Type	CC	Vehicle Model Chassis Type	Cyl. No.	Posi- tion	Dia	Size m/m (DXBXT)	Material	Surface Treatment	Set Type	CAPT. No.	O/E Part No.
PN	1720	Familia Diesel 1720 BG7P	4	1	78	78 x 2 X 3.8		GN	SM	MZ78010	PN11-11-SCO PNY2-11-SCOA
				2		78 X 1.5X 3.2		GN			
RF	2184	Capera ,Bongo Truck SSF8V GVFB. GVFW	4	1	86	86 X 2 X 3.5	RN	Cr2	FX	MZ86010	RF01-23-130A
				2		86 X 2 X 3.6					
RFX	2000	Capera	4	1	86	86X2 X 3.5			FX	MX86020	
				2		86 X 2 X 3.6					
R2	2184	Bongo SR29V	4	1	86	86X2X3.5	RN	Cr2	FX	MZ86040	RFY0-11-SCOD 1 ST=KEYSTONE R201-23-130A
				2		86X2X3.6					
R2	2184	Bongo SR29V	4	0	86	86X4X3.9	RN		FX	MZ86050	
				1		86X2X3.5					
R2	2184	Bongo SR29V	4	2	86	86X2X3.6	RN		SX	MZ86060	R2B6-11-SCO
				0		86X3X2.1					
R2	2184	Bongo SR29V	4	1	86	86X2X3.1	RN	Cr1	SX	MZ86070	
				2		86X2X3.7					
R2	2184	Bongo SR29V	4	0	86	86X3X2.1	RN		SX	MZ86070	
				1		86X2X3.1					
XA	2522	Truck-E2500 EXA32S,33S,35S 44S,74S,EXB43S Bus AEKA,AEXB AEXA	4	1	88.9	88.9X2.383X3.5	RN		FO	MZ88910	0636-23-206 0636-23-207
				2		88.9X2.383X3.5					
EXA	2522	E2500	4	3	88.9	88.9X2.383X3.5	RN	Cr2	FO	MZ88920	0559-23-206 0559-23-207
				0		88.9X4.763X3.5					
YA	3883	E3500	6	1	88.9	88.9X2.383X3.5	RN		FO	MZ88930	0727-23-206 0727-23-210 0727-23-207
				2		88.9X2.383X3.5					
EYA	3783	E3500	6	3	88.9	88.9X2.383X3.5	RN		FO	MZ88940	0728-23-206 0728-23-209
				0		88.9X4.763X3.5					
S2 XA	2209 2522	Bongo, Diesel Luce(929L) LA48, BA258, BA259	4	1	88.9	88.9X2.393X 3.5	RN	Cr2	FX	MZ88950	1456-23-206
				2		88.9X2.393X3.5					
EXC XB	2071	Titan E2700	4	0	92	88.9X4.763X 2.9	RN		FX	MZ88960	
				1		88.9x2.393x3.5					
EXC XB	2071	Titan E2700	4	2	92	88.9X4.763X2.9	RN	Cr2	FO	MZ92010	0528-23-206 0527-23-206
				3		92X2.383X3.6					
EXC XB	2071	Titan E2700	4	0	92	92X2.383X3.6	RN		FO	MZ92020	
				1		92X4.763X3.6					
EXC XB	2071	Titan E2700	4	2	92	92X2.383X3.6	RN	Cr1	FO	MZ92020	
				3		92X2.383X3.6					
EXC XB	2071	Titan E2700	4	0	92	92X2.383X3.6	RN		FO	MZ92020	
				1		92X4.763X3.6					
EXC XB	2071	Titan E2700	4	0	92	92X4.763X3.6	RN		FO	MZ92020	
				1		92X4.763X3.6					

Mazda Diesel



Engine Type	CC	Vehicle Model Chassis Type	Cyl. No.	Position	Dia	Size m/m (DXBXT)	Material	Surface Treatment	Set Type	CAPT. No.	O/E Part No.		
EZA VB	4052	Titan E4100 EZA, EZB	6	1	92	92X2.383X3.6	RN	Cr2	FO	MZ92030	0785-23-206		
				2		92X2.383X3.6	RN						
				3		92X2.383X3.6	RN						
				0		92X4.763X3.6	RN						
				0		92X4.763X3.6	RN						
				1		92X2.383X3.6	RN					Cr1	FO
2	92X2.383X3.6	RN											
3	92X2.383X3.6	RN											
0	92X4.763X3.6	RN											
0	92X4.763X3.6	RN											
0	92X4.763X3.6	RN											
ZB	41 00	Titan	6	1	92	92X2.38X2.6	RN		FX	MZ92050	V101-23-206		
2	92X2.38X2.6												
0	92X4.76X2.9												
K4	2000	Titan Truck	4	1	92	92x 2.832 x 3.8	RN		FX	MZ92060	K480-23-206 1 ST=KEYSTONE		
2	92x 2.4 x 3.8												
0	92X4X 2.6												
WL			4	1	93	93X2.5X4			FX	MZ93010	WLY1-11-SCO		
2	93 X2X 4												
0	93X3X2.7												
HA	3000	Titan D3000 WE, WOFI	4	1	95	95X2.38X3.6	RN	Cr2	FX	MZ95010	1363-23-206		
				2		95X2.38X3.6							
				0		95X4.76X2.9							
				1	95	95X2.38X3.6	RN	Cr1	FX	MZ95020			
2	95X2.38X3.6												
0	95X4.76X2.9												
HA	2977	Titan D3000 E3000 W	4	1	95.025	95.025X2.38X3.5	RN	Cr2	FX	MZ95210	SE01-23-206		
				2		95.025X2.38X 3.5							
				0		95.025X4.763X2.							
				1	95.025	95.025X2.38X3.5	RN	Cr1	FX	MZ95220			
2	95.025X2.38X3.5												
0	95.025X4.763X2.												
SL	3455	Titan, Truck	4	1	100	100X2.5X4.2	RN		FX	MZ10010	SL01-23-206A 1 ST= HALF KEYSTONE		
2	100X2X4.2												
0	100X4.5X3.2												
SL	3455	Titan, Truck	4	1	100	100X2.5X4.2	RN	Cr4	FX	MZ10020	SLO7-23-206A		
2	100X2X4.3												
0	100X4.5X2.9												
SL	3455	Titan, Truck Timn, Dump	4	1	100	100X2.5 X 4.2	RN	Cr2	FX	MZ10030	SL50-11-SCO		
2	100 X 2X4.2												
0	100 X 4.5X2.9												
TF	4000	Titan	4	1	105.5	105.5X2.5X4.5	RN	Cr2	FX	MZ10510	TF01-11-SCO 1 ST= HALF KEYSTONE		
				2		105.5X2X4.6							
				0		105.5X4.5X4.75							
				1	105.5	105.5X2.5 X 4.5	RN	Cr1	FX	MZ10520			
2	105.5X2X4.6												
0	105.5X4.5 X 4.75												
TM			4	1	109	109X3X3.8			GN	SM	MZ10910	TMYO-11-SCO	
				2		109X 2X4.5							
				0		109X3 X 2							
								GN					

Suzuki Gasoline



Engine Type	CC	Vehicle Model Chassis Type	Cyl. No.	Position	Dia	Size m/m (DXBXT)	Material	Surface Treatment	Set Type	CAPT. No.	O/E Part No.
LCSO	539		3	1 2	60	60 X2.04X 2.5 60X2.04X 2.5	RN RN		FE	SZ60001	12140-5880/cyl. 1ST,2ND=HALF KEYSTONE
LJ50 ST10	539	Carry Cervo Fronte ST10, AL10	3	1 2	61	61 X 1.18X 2.6 61 X 1.98X 2.5			SN	SZ61001	12140-67011/cyl. 12140-63871 12140-72810 1ST,2ND=HALF KEYSTONE
ST20			3	1 2	61	61 X 1.18x 2.6 61 X 1.98X 2.5			FE	SZ61002	12140-67011/cyl. ISIFERUA COATING 1ST,2ND=HALF KEYSTONE
L30,L40	360		2	1 2 3	61	61 X 2 X 2.5 61 X 2 X 2.5 61 X 2 X2.5	RN RN RN		FE	SZ61003	12140-61010 1214063850 1 ST= HALF KEYSTONE
L61	360		2	1 2 3	61	61 x2.5x 2.5 61 x 2X2.2 61 X2 x 2.2			FE	SZ61004	12140-68810/cyl. 2ND= HALF KEYSTONE
F8A	800	Alut Fronte USO	4	1 2 0	62	62 x1.5X 2.8 62 x1.5X 2.8 62 x2.8x 2.8	RN		FV	SZ62001	12140-73000 12140-73010/cyl.
				1 2 0	62	62 x1.5X 2.6 62 X1.5X 2.8 62 X2.8x 2.8		GN	SV	SZ62002	12140-73011
F8A(NEW)	797	Y7A		1 2 0	62	62 X1.2X 2.3 62 X1.2X 2.5 62X2.8X2.8		GN	SV	SZ62003	12140-85050/cyl.
F6A	657	Alut YA1 AA6PA, DJ51T DL.SIV	3	1 2 0	65	65 X1.2X 2.3 65 X1.2X2.7 65 x2.5x 2.5		Cr4	SV	SZ65001	12140-50E50/cyl.
		Alut Van YA1 AA6PA, DJ51T DL51V		1 2 0	65	65 X1.2X 2.3 65 X1.5X 2.7 65 X2.5X 2.5		GN GN	SV	SZ65002	12140-51E50/cyl,
Y7AT7			4	1 2 0	65	65X1.2X 2.3 65 X1.5X 2.7 65 x2.5x 2.5		GN GN	SV	SZ65003	12140-73D00
F10A	970	SJ410. Alut Y80, Y84	4	1 2 0	65.5	65.5 X 1.5 X 2.7 65.5 x 1.5 x 2.7 65.5 x 2.8 x 2.8		Cr4	FV	SZ65501	12140-75111/cyl. 12140-75110
F10A	970	SS410	4	1 2 0	65.5	65.5 x 1.5 x 2.7 65.5 x 1.5 x 2.7 65.5 x 2.8 x 2.8	RN		FY	SZ65502	12140-75101/cyl.
F10A	970	Y80	4	1 2 0	65.5	65.5 X 1.5 X 2.6 65.5 X1.5 X 2.7 65.5 X 2.8 X 2.8	RN	GN	SV	SZ65503	12140-75112/cyl. 12140-75113/cyl.
L60	550		2	1 2	68	68 X1.2x 2.6 68X2X2.5			SN	SZ68001	12140-67820/cyl. 1ST. 2ND= HALF KEYSTONE
F8B	800	Y64 SS80	3	1 2 0	68.5	68.5X1.5 X 2.7 68.5X1.5X 2.8 68.5 x 2.8 X 2.9	RN		FV	SZ68501	12140-78411/cyl.
F8B	800		3	1 2 0	68.5	68.5X1.5 X2.7 68.5 X1.5 X2.8 68.5X2.8 X 2.9		GN	SV	SZ68502	12140-78412/cyl.
G10	1000		4	1 2 0	72	72X1.2X2.8 72 X1.5X 3.2 72 X2.8X 2.8		GN GN	SV	SZ72001	12140-72F00 (12140-72F00/cyl.)
G13	993	Y3FT Caltus 1000	4	1 2 0	74	74 x 1.2x 2.8 74 X 1.5X 3.2 74 X2.8X 2.9		Cr4	SV	SZ74001	12140-82161/cyl.

Suzuki Gasoline



Engine Type	CC	Vehicle Model Chassis Type	Cyl. No.	Posi- tion	Dia	Size m/m (DXBXT)	Material	Surface Treatment	Set Type	CAPT. No.	O/E Part No.
G13A, G13B	1300	Y2A SJ413	4	1	74	74 X1.2X 2.8		GN	SV	SZ74002	12140-82051/cyl. 12140-82050/cyl.
				2		74 X 1.5X 3.2					
				0		74 X2.8~ 2.9					
		4	1	74X 1.2X2.8	RF	SV	SZ74003				
		2	74 X1.5 X3.2								
		0	74 X2.8X2.9								
		Y2A	4	1	74	74 X 1.2X 2.8		Cr1	SV	SZ74004	
				2		74 x 1.5x 3.2					
				0		74 x2.8X2.9					
G15A, G15B	1600	Y01-E	4	1	75	75 x 1.2X2.8		GN	SV	SZ75001	12140-60A50/cyl,
				2		75 X 1.5x 3.2					
				0		75 X2.8X 2.8					
			4	1	75X1.2X 2.8	Cr1	SV	SZ75002			
		2	75 X 1.5X 3.2								
		0	75 X2.8X 2.8								
G15A, G16A	1600	Y0E-E	4	1	75	75 X 1.2X 2.8			SV	SZ75003	12140-61A00/cyl.
				2		75 x 1.5X 3.2					
				0		75X2.8X 2.8		GN			
G16B	1600	YB1	4	1	75	75X1.2X 2.8			SV	SZ75004	12140-61G00/cyl.
				2		75 X1.2X3.2					
				0		75 X2.5x 2.8		GN			
G16U			4	1	75	75 X 1.2x 2.8		GN	SV	SZ75005	12140-61G50
				2		75 X 1.2X 3.2					
				0		75 X2.5x 2.8		GN			

Honda Gasoline



Engine Type	CC	Vehicle Model Chassis Type	Cyl. No.	Position	Dia	Size m/m (DXBXT)	Material	Surface Treatment	Set Type	CAPT. No.	O/E Part No.		
N360 TN360	360	N360, TN360	2	1	62.5	62.5X1.5 X 2.8			FV	HD62501	13011-567-325/cyl. 13011-601-000/cyl.		
				2		62.5X1.5 X2.8							
				0		62.5X2.5 X2.8							
ER	1200	City Turbo	4	1	66	66 x 1.2 x 2.6			SV	HD66001	13011-PD1-004/cyl.		
				2		66 X1.2 X2.9							
				0		66 x 2.8 x 2.8							
ER	1000	City E-AA, L-VF	4	1	66	66 x 1 x2.6			SV	HD66002	13011-PC0-004/cyl.		
				2		66 X1.2X 2.9							
				0		66 x 2.8 x 2.8							
FA	360	Life VA, PA Z360	2	1	67	67 X 1.5 X 2.8			FV	HD67001	13011-611-004/cyl.		
				2		67 X 1.5 X 2.8							
				0		67 X 2.8 X 2.8							
EB-1	1200	Civic SB1	4	1	70	70 X 1.5 X 3	RN	Cr4	FV	HD70001	13011-634-305/cyl. 13011-634-004/cyl.		
				2		70 X 1.5 X 3.3							
				0		70 X 2.8 X 2.9							
		Ncw Civic	4	1	2	70	70 X 1.5 X 3	RN	Cr4	FV	HD70002	13011-PB0-004/cyl. 13011-634-631/cyl.	
							0						70 X 1.5 X 3.3
							0						70 X 4 X3.1
EB-5	1400	145 Coupe	4	1	72	72 X 1.5 X 3.4	RN	Cr4	FV	HD72001	13011-642-305/cyl. 13011-642-004/cyl.		
				2		72 X 1.5 X 3.4							
				0		72 X 2.8 X 2.8							
EJ, EN	1300	Civic Ballade	4	1	72	72 X 1.5 X 3.1	RN		FV	HD72002	13011-PA0-004/cyl.		
				2		72 X 1.5 X 3.4							
				0		72 X 4 X3.1							
EJ, EN	1300	Civic Civic Van J-VC Ballade	4	1	72	72 X 1.5 X 3.1	RN	Cr4	FV	HD72003	13011-PA1-004/cyl. 13011-PA5-004/cyl. 13011-695-004/cyl. 13011-673-000/cyl.		
				2		72 X 1.5X 3.4							
				0		72 X 4 X 3.1							
		Ballade	4	1	2	72	72 X 1 X 2.8		Cr1	SV	HD72004	13011-PA5-034/cyl. 13011-PA5-024/cyl. 13011-PA5-014/cyl.	
							0						72X 1.2 X 3.1
							0						72 X 2.8 X 2.8
EH	550	TN Acty(4WD)	2	1	72	72 X 1.2 X 2.8			SV	HD72005	13011-PE9-004/cyl.		
				2		72 X 1.2 X3.1							
				0		72 X 4 X3.1							
EH	550	TN Acty	2	1	72	72 X1 X 2.8			SV	HD72006	13011-679-024/cyl.		
				2		72 X1.2 X3.1							
				0		72 X4 X 3.1							
EH	550	TN Acty	2	1	72	72 X 1.5 X3.1	RN		FV	HD72007	13011-679-621/cyl.		
				2		72 X1.5 X 3.4							
				0		72 X 4 X3.1							
EH	550	TN-Acty Acty Van	2	1	72	72 X 1.5 x 3.4			FV	HD72008	13011-679-014/cyl. 13011-679-004/cyl.		
				2		72 X 1.5 X 3.4							
				0		72 X 4 X 3.1							
EC	1500	Civic H-VB	4	1	74	74 X 1.5 X 2.9	RN		FV	HD74001	13011-657-315/cyl. 13011-657-305/cyl. 13011-657-604/cyl.		
				2		74 X 1.5 X 3.2							
				0		74 X 2.8 X 3.4							
EM ED	1500	Civic E-WD, E-SG, E-SH Ballade Accord B-SJ	4	1	74	74 X 1.5 X 2.9	RN		FV	HD74002	13011-PA6-004/cyl. 13011-657-405/cyl. 13011-671-014/cyl. 13011-657-671/cyl. 13011-657-674/cyl.		
				2		74 X 1.5X 3.2							
				0		74 X 4 X 3.4							
EF	1600	Civic	4	1	74	74 X 1.2 X 2.8			SV	HD74003	13011-PA6-014/cyl.		
				2		74 X 1.2 X 3.2							
				0		74 X 2.8 X 2.8							
EM	1500		4	1	74	74 X 1.5 X 3.4			FV	HD74004	13011-590-010/cyl.		
				2		74 X 1.5 X 3.4							
				0		74 X 2.8 X 3.4							
EM	1500	Civic Ballade	4	1	74	74 X 1.5 X 3.2			FE	HD74005	13011-568-010/cyl.		
				2		74 X 1.5 X 3.2							
				0		74 X 2.5 X 3.2							
PE6	1300	Civic 1300	4	1	74	74X 1.2 X 2.8			SV	HD74006	13011-PE0-663/cyl. 13011-PE0-662/cyl.		
				0		74 X 2.8 X 2.8							
EF	1300	Civic	4	1	74	74 X 1.2 X 2.8			SV	HD74007	13011-PE1-004/cyl.		
				2		74 X 1.2 X 3.2							
				0		74 X 2.8 X 2.8							

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Engine Type	CC	Vehicle Model Chassis Type	Cyl. No.	Position	Dia	Size m/m (DXBXT)	Material	Surface Treatment	Set Type	CAPT. No.	O/E Part No.
EV	1300	Civic 1300	4	1 2 0	74	74 X 1.5 X 2.8 74 X 1.5 X 3.2 74 X 4 X 3.5		RF	SV	HD74008	13011-PE3-004/cyl.
PH8	1500	Civic	4	1 2 0	75	75 X 1 X 2.8 75 X 1.2 X 3.2 75 X 2.8 X 2.8			SV	HD75001	13011-PMS-A02/cyl.
PMO	1500	Civic	4	1 2 0	75	75 X 1.2 X 2.8 75 X 1.5 X 3.2 75 X 4 X 3.1		GN GN	SV	HD75002	13011-PM0-B02/cyl.
P04	1500	Civic	4	1 2 0	75	75 X 1.2 X 2.8 75 X 1.5 X 3.2 75 X 2.8 X 2.8			SV	HD75003	13011-PO4-G02/cyl.
PM3, PM4	1500	Civic	4	1 2 0	75	75 X 1.2 X 2.8 75 X 1.5 X 3.2 75 X 2.8 X 2.8			SV	HD75004	13011-PM3-004/cyl. 13011-PM1-004/cyl. 13011-PM5-A02/cyl.
P08	1500	Civic	4	1 2 0	75	75 X 1 X 2.6 75 X 1.2 X 3 75 X 2.8 X 2.5			SV	HD75005	13011-POS-004/cyl.
P28	1500	Civic	4	1 2 0	75	75 X 1.2 X 2.8 75 X 1.5 X 3.2 75 X 2.8 X 2.5		Cr4	SV	HD75006	13011-P28-A02/cyl.
D16A	1500	Civic	4	1 2 0	75	75 X 1.2 X 2.8 75 X 1.5 X 3.2 75 X 2.8 X 2.5		GN GN	SV	HD75007	13011-PM6-G02/cyl.
EK	1600	Quint E-SU Accord E-SV	4	1 2 0	77	77 X 1.5 X 3.0 77 X 1.5 X 3.3 77 X 4 X 3.2	RN	Cr4	FV	HD77001	13011-676-604/cyl. 13011-PB2-005/cyl. 13011-676-602/cyl. 13011-676-642/cyl.
EK EP	1800	Accord E-SZ, E-SM Prelude	4	1 2 0	77	77 X 1.5 X 3.1 77 X 1.5 X 3.3 77 X 4 X 3.2		RF	SV	HD77002	13011-689-005/cyl. 13011-689-015/cyl. 13011-689-003/cyl. 13011-PC3-602/cyl.
ES	1800	Prelude	4	1 2 0	80	80 X 1.5 X 3.2 80 X 1.5 X 3.4 80 X 4 X 3.4	RN		FV	HD80001	13011-PC6-004/cyl.
PH2	1800	Accord 1800	4	1 2 0	80	80 X 1.2 X 3.1 80 X 1.2 X 3.3 80 X 2.8 X 3.1			SV	HD80002	13011-PH2-901 .902/cyl.
PC7	1800	Accord 1800	4	1 2 0	80	80 X 1.5 X 3.1 80 X 1.5 X 3.4 80 X 4 X 3.4		RF	SV	HD80003	13011-PC7-004/cyl.
				1 2 0	80	80 X 1.5 X 3.1 80 X 1.5 X 3.4 80 X 4 X 3.4		Cr1	SV	HD80004	
ES EY	1829	Accord Prelude	4	1 2 0	80	80 X 1.5 X 3.2 80 X 1.5 X 3.4 80 X 4 X 3	RN		FV	HD80005	13011-PD6-004/cyl.
PJ5	2000	Prelude 2000	4	1 2 0	81	81 X 1.2 X 3.1 81 X 1.5 X 3.2 81 X 2.8 X 3.1	RN	GN GN	SV	HD81001	13011-PJ5-602/cyl.
PK1, PH3	1800	Accord Prelude	4	1 2 0	81	81 X 1.2 X 3.1 81 X 1.5 X 3.4 81 X 2.8 X 3.1			SV	HD81002	13011-PK1-004/cyl. 13011-PK1-003/cyl.
	1800	Accord Prelude	4	1 2 0	81	81 X 1.2 X 3.1 81 X 1.5 X 3.2 81 X 2.8 X 3.1	RN	GN GN	SV	HD81003	13011-PK1-752/cyl. 13011-PK1-751/cyl.
PR3	1600	Integra	4	1 2 0	81	81 X 1 X 3.1 81 X 1.2 X 3.3 81 X 2.8 X 2.55			SV	HD81004	13011-PR3-004/cyl. 13011-PR4-A02/cyl.
PR4	1800	Integra	4	1 2 0	81	81 X 1 X 3.1 81 X 1.2 X 3.3 81 X 2.8 X 2.5		GN GN	SV	HD81005	13011-PR4-Y02/cyl.
P1 P, PV3	2000	Ascot Sabar Rafarga. Inspire	4	1 2 0	82	82 X 1.2 X 3.1 82 X 1.2 X 3.3 82 X 2.8 X 2.8			SV	HD82001	13011-PV0-004/cyl. 13011-PV0-014/cyl.

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Engine Type	CC	Vehicle Model Chassis Type	Cyl. No.	Position	Dia	Size m/m (DXBXT)	Material	Surface Treatment	Set Type	CAPT. No.	O/E Part No.
A20A	2000	Prelude 2000	4	1	82.7	82.7 X 1.5 x 3.1	RN	GN	SV	HD82701	13011-PH4-651/cyl. 13011-PH4-602/cyl (o/s 0.3mm) 13011-PH4-651 (o/s 0.3mm)
				2		82.7 X 1.5 X 3.2		GN			
				0		82.7X 4 X 3.4					
	2000	Prelude 2000	4	1	82.7	82.7 x 1.5 X 3.1	RN	GN	SV	HD82703	13011-PH4-602/cyl. (STD.0.10-040o/s)
				2		82.7 X 1.5 X 3.2		GN			
				0		82.7 X 4 X 3.4					
1800	Accord	4	1	82.7	82.7 X 1.5 X 3.1		Cr1	SV	HD82704	13011-PH4-004/cyl.	
2	82.7 X 1.5 X 3.5										
0	82.7 X 4 X 3.4										
C25A	2000	Legend	4	1	84	84 X 1.2 X 3.1			SV	HD84001	13011-PH7-004/cyl.
2	84 X 1.2x 3.7										
0	84 X 4 X 3.4										
P3F	2200		4	1	84	84 X 1.2X 3.1		GN	SV	HD84002	13011-P3F-003
2	84 x 1.2 x 3.4										
0	84 x 2.8 X 2.5										
F20A	2200	Accord Ascot	4	1	85	85 X 1.2X 3.1		GN	SV	HD85001	13011-PT0-B02/cyl.
2	85 X 1.2X 3.4										
0	85 X2.8x 2.8										
PT0	2200	Accord Ascot	4	1	85	85 X 1.2X 3.1			SV	HD85002	13011-PT0-004/cy l.
2	85 X 1.2x 3.4										
0	85 X 2.8X2.8										
P1R, D0A	2500 2200	Sabar Accord Prelude	4	1	85	85 X 1.2X3.1		GN	SV	HD85003	13011-PT0-B04/cyl.
	2	85 X 1.2X 3.4									
0	85 x2.8X 2.8										
PT1	2200	Accord Ascot	4	1	85	85 x 1.2X 3.1			S V	HD85004	13011-PT1-004/cyl. 13011-PT1-G02/cyl.
2	85 X 1.2x 3.4										
0	85 x2.8X 2.8										
F22B	2200	Accord Ascot	4	1	85	85 x 1.2X 3.1			SV	HD85005	13011-PT2-004/cyl.
2	85 X 1.2x 3.4										
0	85 x2.8X 2.8										
PT4	2200	Accord Ascot	4	1	85	85 x 1.2X 3.1		GN	SV	HD85006	13011-PT4-X04/cyl. 13011-PT4-X02/cyl.
				2		85 X 1.2x 3.4					
0	85 x2.8X 2.8										
C27A	2500	Legend	4	1	87	87 X 1.2X 3.1			SV	HD87001	13011-PL2-004/cyl. 13011-PL2-003/cyl
2	87 X 1.2X 3.7										
0	87X 4 X 3.4										
P13, P14 POF, PON P5M, P5D	2200	Accord prelude	4	1	87	87 x1.2x 3.1	RN	GN	SV	HD87002	13011-PI3-003/cyl.
2	87 X 1.2 X 3.2										
0	87 X 2.8 X 2.65										
C30A	2900	Legend sabar	6	1	90	90 X 1.2x 3.3			SV	HD90001	13011-PY3-004/cyl.
2	90 X 1.2X 3.7										
0	90 X2.8X 3.1										
C32A	3200	NSX	6	1	90	90 X 1.2X 3.3		GN	SV	HD90002	13011-PY3-Y02/cyl.
2	90 X 1.2X3.7										
0	90 X 2.8x 3.1										

Engine Type	CC	Vehicle Model Chassis Type	Cyl. No.	Position	Dia	Size m/m (DXBXT)	Material	Surface Treatment	Set Type	CAPT. No.	O/E Part No.
2D92	1300	Bulldozer D20	2	1 2 0	92	92X2.868X4 92X 3 X 4 92X6X3.1	RN		FX	KM92010	6140-31-2020 1ST=KEYSTONE
4D92	2610	Bulldozer	4	1 2 0	92	92X2.868X4 92X3 X 4 92 X 6X3.1	RN		FX	KM92020	6141-31-2020 6140-31-2040/cyl. 1ST=KEYSTONE
4D94	2940	Bulldozer	4	1 2 0	94	94X2.9X3.8 94X2.5X4.1 94 X5X3.1	RN		FX	KM924010	6142-32-2020 6142-32-2030/cyl.
4D95	3260	Bulldozer	4	1 2 0	95	95X2X 4 95X2X 4 95 X4 X2.5			FM	KM95010	6204-31-2200/cyl.
SA1D95		Bulldozer		1 2 0	95	95 X2 X4 95 X 2X 4 95 X 4 X 2.5			FM	KM95020	6204-31-2201/cyl. 6204-31-2202 (4cyl. 6cyl.)
S4D95	3260	Bulldozer	4	1 2 0	95	95 X2.2X 4 95 X 2 X 4 95 X 4 X 2.5			FM	KM95030	6202-32-2200/cyl. 1ST=KEYSTONE
SA1D95		Bulldozer		1 2 0	95	95 X2.5X 3.7 95 X2.2X 4 95 X 4 X 2.5	RN		FM	KM95040	6207-31- 2400/cyl. (4cyl. 6cyl.) 1ST,2ND=KEYSTONE
S6D95	4890	Bulldozer	6	1 2 0	95	95 X2.5X 3.7 95 x 2 X 4 95 X 4 X 2.5	RN		FM	KM95050	6207-31-2200/cyl. 1ST=KEYSTONE
4D95	4890	Bulldozer	4	1 2 0	95	95 X2.2X 4 95 X2.2X 4 95 X 4 X 2.5			FM	KM95060	6202-32-2300/cyl. 1 ST= HALF KEYSTONE
1D95L		Bulldozer		1 2 0	95	95 X2.2X4 95 X 2 X 4 95 X 4 X 2.5			FM	KM95070	6202-32-2202/cyl. (4cyl. 6cyl.) 1 ST= HALF KEYSTONE
4D105	4330	Bulldozer	4	1 2 0	105	105 X 3 X 4.5 105 x 2.5 x 4.5 105 X 5 x 3.6			FX	KM10510	6130-32-2202 6130-32-2302/cyl. 6130-31-2202 6130-32-2301/cyl.
S4D105	4330	Bulldozer	4	1 2 0	105	105 X 3 X4.25 105 X 2.5 X 4.5 105X 5 X 3.6	RN		FX	KM10520	6131-31-2201 6131-31-2301/cyl. 6130-31-2201 6130-31- 2301/cyl. 6131-32-2201 6131-32-2301/cyl. 6131-32-2302/cyl. 1 ST=KEYSTONE
4D105	4330	Bulldozer	4	1 2 0	105	105 X 3 X 4.5 105 X 2.5 X 4.5 105 X 5 X 3.6			FX	KM10530	6130-31-2200 1ST=KEYSTONE
6D105	6490	Bulldozer	6	1 2 0	105	105X3X4.2 105X 2.5X4.5 105 X 5X 3.6	RN		FX	KM10540	6136-31-2010 6136-31-2030/cyl.
S6D105	6490	Bulldozer	6	1 2 0	105	105 X 3 X 4.3 105 X2.5 X 4.5 105X 5X3.6	RN		FX	KM10550	6137-31-2202 6137-31-2032/cyl. 1 ST=KEYSTONE
S6D105	6490	Bulldozer	6	1 2 0	105	105 X 3 X 4.3 105 X 2.5 X 4.5 105X 5 X 3	RN		FM	KM10560	6137-31-2040/cyl. 1 ST=KEYSTONE
S6D105	6490	Bulldozer	6	1 2 0	105	105 X 3 X 4.3 105 X 2.5 X 4.5 105 X 5 X 3.6	RN		FX	KM10570	6137-31-2030/cyl. 1 ST=KEYSTONE
SA6D110 6D110	7130	Bulldozer	6	1 2 0	110	110 X 3 x 4.6 110 X2.5X4.6 110 X 5 X 3.6	RN		FX	KM11010	6138-31-2020 6138-31-2200/cyl. 1 ST=KEYSTONE
S6D110	7130	Bulldozer	6	1 2 0	110	110X 3 X4.4 110 X 2.5X 4.6 110X 5X 3	RN		FM	KM11020	6138-32-2200 1 ST=KEYSTONE

Engine Type	CC	Vehicle Model Chassis Type	Cyl. No.	Position	Dia	Size m/m (DXBXT)	Material	Surface Treatment	Set Type	CAPT. No.	O/E Part No.
4D115	5810	Bulldozer	4	1 2 3 0	115	115X 3 X4 115X 3 X4 115 X 3 X4 115X 5 X4			FO	KM11510	6100-30-2201
6D115	8720	Bulldozer	6	1 2 3 0	115	115X 3 X4 115X 3 X4 115 X 3 X4 115X 5 X4	RN		FO	KM11520	6101-30-2202
4D120	7240	Bulldozer	4	1 2 3 0 0	120	120 X 4 X 4.2 120X 4 X4.2 120 X 4 X 4.2 120 X 5.5 X 4.2 120 X 5.5 X 4.2			FO	KM12010	6110-30-2200 6110-30-2040/cyl.
S4D120 4D120	7240	Bulldozer	4	1 2 0	120	120 X3.5 X 4.8 120 X 2.5 X 5 120X 5.5 X 3.9	RN		FX	KM12020	6110-30-2303 6110-30-2403/cyl. 6110-30-2302 6110-30-2402/cyl. 6113-30-2301 6113-30-2401/cyl.
6D125	11040	Bulldozer	6	1 2 0	125	125 X2.4X 5 125 X 2.4 X 5 125 X 3 X 3.3	RN RN RN		FX	KM12510	6150-31-2030/cyl,
1D125	11040	Bulldozer		1 2 0	125	125 X 2.4 X 5 125 X2.4X 5 125 X 4 X 3.4	RN RN		FX	KM12520	6150-31-2032/cyl. (4cyl. 6cyl.) 1ST=KEYSTONE
1D125		Bulldozer		1 2 0	125	125 X2.4X 5 125X2.4X 5 125 X 4 X 3.4	RN RN		FX	KM12530	6150-31-2033/cyl. (4cyl. 6cyl.) 1ST=KEYSTONE
1D125		Bulldozer		1 2 0	125	125 X2.4X 5 125X 2 X 5 125 X 3 X 3.3	RN RN RN		FX	KM12540	6150-31-2030/cyl. (4cyl. 6cyl.) 1ST=KEYSTONE
6D125	11040	Bulldozer	6	1 2 0	125	125 X2.4X 5 125 X 2 X 5.1 125 X 3 X 3.3	RN RN RN		FX	KM12550	6151-31-2031/cyl. 1ST=KEYSTONE
S4D130 4D130	8490	Bulldozer	4	1 2 0	130	130 X3.5X 5 130 X 2.5 X 5.4 130 X5.5X 4.3	RN		FX	KM13010	6114-30-2303 6114-30-2403/cyl.
NRT06	12170	Bulldozer	6	1 2 3 0	130.18	130.18X3.78X4.87 130.18X3.61X4.82 130.18X3.61X4.82 130.18X6.056X3.9	RN RN		FE	KM13110	6685-31-2020 6085-31-2030/cyl. 1st,2nd=KEYSTONE
NH220	12170	Bulldozer	6	1 2 3 0	130.18	130.18X3.78X4.87 130.18X3.61X4.82 130.18X3.61X4.82 130.18X6.056X3.9	RN RN RN RN		FO	KM13120	6620-31-2020 6620-31-2030/cyl. 1st,2nd=KEYSTONE
NT-855		Bulldozer	6	1 2 3 0	139.7	139.7 X 139.7X2.878X5.18 139.7X2.878X5.18 139.7 X4.75 X 3.96	RN RN RN		FX	KM13910	6710-31-2023 6710-31-2033/cyl. 1ST=KEYSTONE
6D140	15200	Bulldozer	6	1 2 0	140	140 X2.4X 5.4 140X2.4X5.4 140 X 4 X 2.5	RN RN		FM	KM14010	6211-31-2031 6211-31-2032/cyl. 1ST=KEYSTONE
6M140	15200		6	1 2 0	140	140X2.4X5.4 140X2.4X 5.4 140X4X 3	RN RN		FM	KM14020	6212-31-2040 1ST=KEYSTONE
S4D155	12840	Bulldozer	4	1 2 0	155	155 X3.68X6.06 155 X3.548X6.06 155X4.737X3.95	RN RN		FX	KM15510	6125-31-2030 1ST=KEYSTONE
4D155	12840	Bulldozer	4	1 2 0	155	155 X4X6.4 155X3.5X6.2 155 X6 X 4.6	RN RN		FX	KM15520	6127-31-2020 1ST=KEYSTONE
4D155	12840	Bulldozer	4	1 2 0 0	155	155X4X 6.4 155X3.5 X6.2 155 X 6 X4.6 155 X5X 6.2	RN RN		FX	KM15530	6125-31-2022 1ST=KEYSTONE

Komatsu



Engine Type	CC	Vehicle Model Chassis Type	Cyl. No.	Posi- tion	Dia	Size m/m (DXBXT)	Material	Surface Treatment	Set Type	CAPT. No.	O/E Part No.
6D155	19260	Bulldozer	6	1 2 0 0	155	155 X 4 X 6.4 155 X3.5X 6.2 155 X 6X 4.6 155 X5 X6.2	RN RN		FX	KM15540	6128-31-2023 6128-31-2033/cyl. 6128-31-2022 6128-31-2032/cyl. 1ST=KEYSTONE
6D155	19260	Bulldozer	6	1 2 0	155	155 X 4 X 6.4 155 X3.5X 6.2 155 X 6X 4.6	RN RN		FX	KM15550	6128-31-2020 6128-31-2030/cyl. 1ST=KEYSTONE
S6D155 SA6D155	19260	Bulldozer	6	1 2 0	155	155x3.68X6.06 155X3.548X6.06 155X4.737X3.95	RN RN		FX	KM15560	6128-31-2060 6128-31-2070/cyl. 1ST=KEYSTONE



Kia Gasoline

Engine Type	CC	Vehicle Model Chassis Type	Cyl. No.	Position	Dia	Size m/m (DXBXT)	Material	Surface Treatment	Set Type	CAPT. No.	O/E Part No.
B1	1000	'86 PRIDE 1,000 POP	4	1 2 0	68	68 X 1.2X 2.5 68 X 1.5X 2.8 68 X 3X 2.8	RN		FV	KA68001	KK1Y8-11-SCO
B3	1300	'86 PRIDE.,1,300 DM. FS. CD	4	1 2 0	71	71 X 1.2x 2.6 71X1.5x 2.0 71 x 3 X 2.8			SV	KA71001	K1Y0-11-SCO K1Y1-11SCO
B3(IRAN)	1300	'86 PRIDE, 1,300 G M. FESTIVA	4	1 2 0	71	71X 12 x 2.5 71 X 1.5X 3.1 71 X 3 X 2.8		GN GN	SV	KA71002	K1YH- I1-SCO
AVELLA			4	1 2 0	78	78 X 1.5X 3.3 78 X 1.5x 3.4 78 X 3 X 3.1	RN		FV	KA78001	K2YA-11-SCO K2Y2-11-SCO
KV20			4	1 2 0	78	78 X 1.5 X 3.25 78 X 1.5X 3.4 78 X 4 X 3.4			SV	KA78002	K9Y1-11-SCO

Kia Diesel

Engine Type	CC	Vehicle Model Chassis Type	Cyl. No.	Position	Dia	Size m/m (DXBXT)	Material	Surface Treatment	Set Type	CAPT. No.	O/E Part No.
NB1(NEW)	2400	NEW BESTA	4	1 2 0	86	86 X 2 X 3.5 86 X 2 X 3.5 86 X 4X	RN		FM	KA86010	K7Y0-11-SCO
SF	2700	K-2400 POWER BONGO WIDE BONGO	4	1 2 0	92	92 X 2.4X 3.8 92 X 2.4X 3.8 92 X 4 X 4.35	RN		FX	KA92010	K756-23-206 K7Z0-11-SCO
S8/SUTC	2700	K-2700 1.4TON HI TOPIC	4	1 2 0	92	92 X 2.85X 3.8 92 X 2.4 X 3.6 92X 4X	RN		FX	KA92020	K4Z0-11-SCO K480-23-206 1 ST=KEYSTONE
RFA	2700	HI-BESTA 2.7	4	1 2 0	93	93 X 2 X 3.3 93 X 2 X 3.7 93 X 3 X		GN	SM	KA93010	VNY1-11-SCO
JS	3600	K-2700, PREGIO	4	1 2 0	94.5	94.5X 2 X 3.25 94.5 X 2 X 4 94.5x 3 x 3.5		Cr1 Cr1 GN	SM	KA94501	K6Z1-11-SCO
SH3.6L		TRADE FRONTIER2.5	4	1 2 0	100	100 X 2 X 3.75 100 X 2 X 4.2 100 X 3 X			SM	KA10001	K4Y1-11-SCO



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