



Sourcing & Service

FUSO MITSUBISHI DIESEL

Liner Kit | Cylinder Kit



REO TECHNOLOGY CORP.

Version:2016

Important Information

The information provided in this catalog has been carefully compiled, but we may emphasize that it is non-committing. We do not give any warranty for the correctness. Particularly we do not undertake any warranty for changes in the equipment by the manufacturers of vehicles or engines nor for changes in the designation of the parts. Any references to errors in the catalog which you may advise are welcome and will lead to corrections in future issues of the catalog.

Names, descriptions, numbers of vehicles or manufacturers etc. are only stated for reference. All figures, drawings and other data serve for explanatory and for illustration purposes only. Any reprint, imitation and reproduction shall be subject to our prior approval in writing with exact indication of the source.

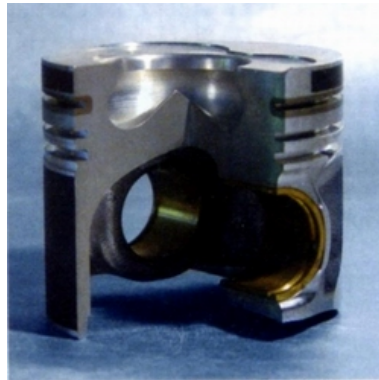
Subject to be changed without notice.

1. Design feature of Pistons



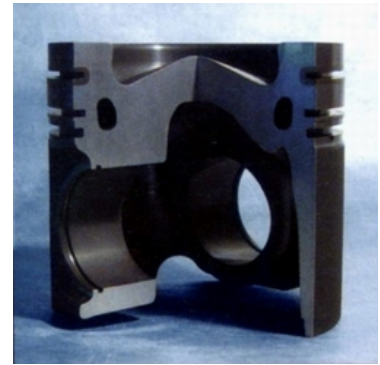
Cast Piston

Distinguish itself with a long operating life and economic viability for gasoline and diesel engines. In this piston, the piston crown, ring zone and skirt make a robust unit. Therefore the possibilities for use range from a small to a large engine



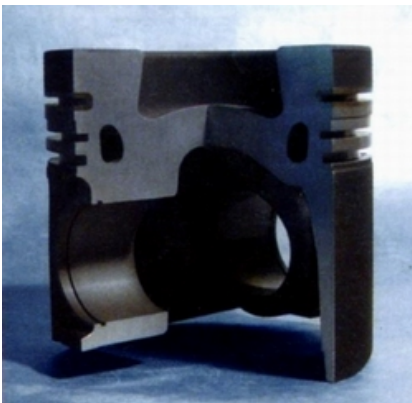
Al-fin Piston

Have a ring carrier made of special cast iron which is cast into piston. This provides protection to the top ring groove from the wear and tear which diesel engines in particular are subjected to. This design allows for an increase in the loads to which the pin boss can be subjected.



Al-fin & cooling gallery piston

The piston is used in situations in which particularly high operating temperatures occur. In order to reduce the high temperatures—which are caused by the increased performance—in the piston crown and in the ring area, intensive cooling is done by circulating oil in the cooling gallery.



Al-fin, cooling gallery & head anodized piston

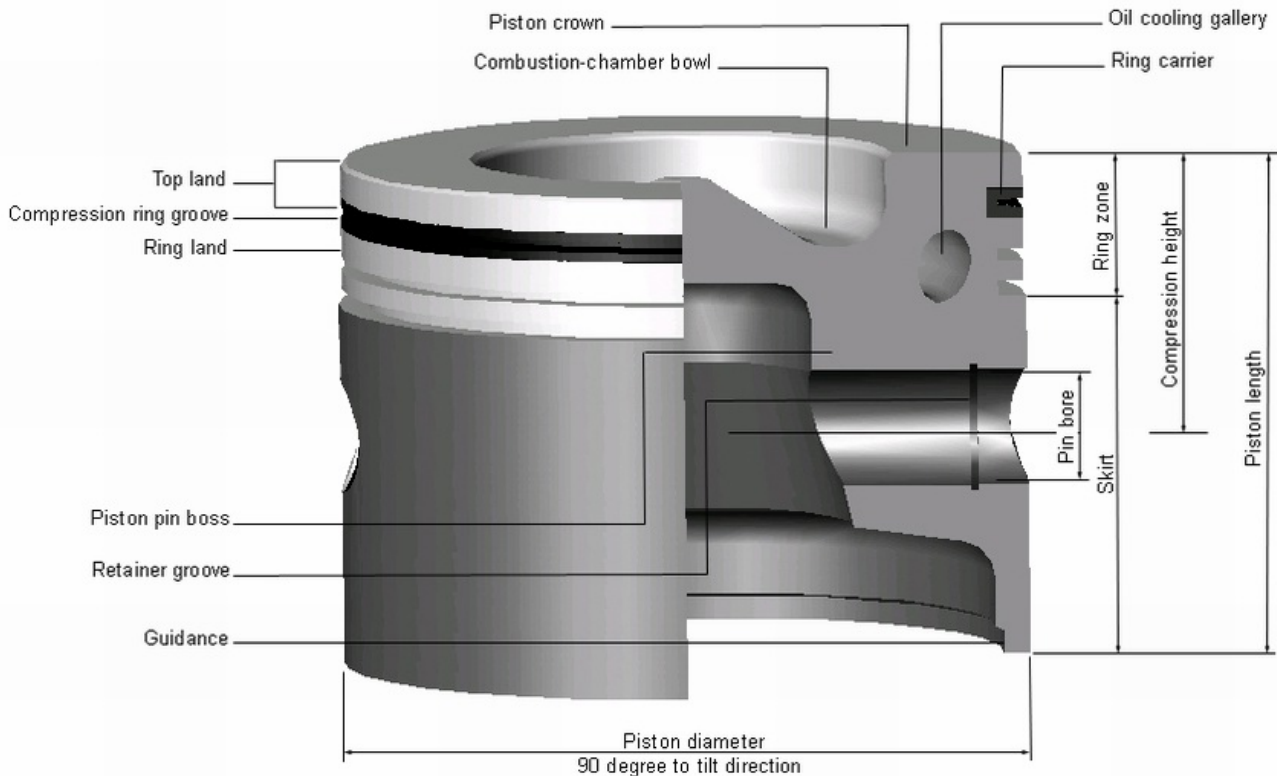
This design is used for highly loaded diesel engines. For additional protection and in order to avoid cracking in the combustion chamber and the crown, the piston has a special hard anodized layer on the piston crown. (Head anodized)



Two pieces piston

Consist of a steel piston head and an aluminum piston skirt which have a moveable connection to each other via the piston pin. Due to great strength and low wear and tear, it is possible to achieve low exhaust emission values for diesel engines that are subjected to particularly high loads.

2. Technical Terms of the piston



Fitting recommendation

Shrink fit

Assembling pistons and pins with shrink fit in the con rod requires the greatest of care. It is particularly important that there is freedom of movement between piston and pin after assembly.

Floating pin

For pistons with floating pins, the enclosed circlips serve to fix the piston in the piston pin bore. The circlips must be mounted with a suitable tool. When this is done it should be ensured that the circlips fit completely into the slot for which they are intended and that the impact is always in the stroke direction of the piston.

Never use old circlips and avoid pressing them together too much, otherwise permanent deformations can result.

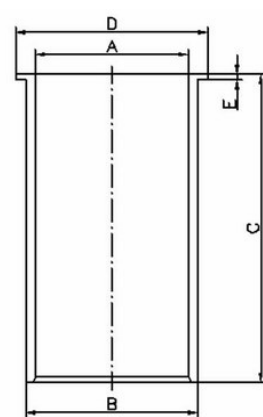
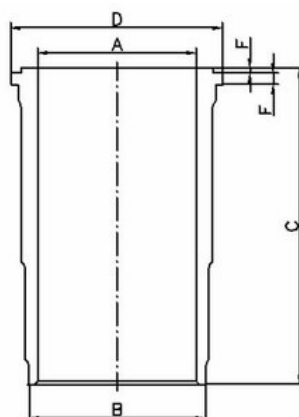
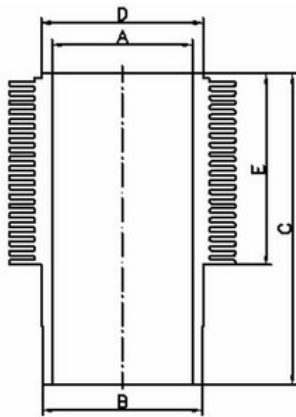
Installation of the piston

When the piston is installed, the installation direction must be observed. The impacts on the individual piston rings are to be distributed evenly across their circumference. The pin locking device is to be installed in such a way that the impact is at the top or the bottom. The cylinder bore or the pistons and the rings must be oiled.

In order to avoid damage when the piston is being fitted in the cylinder bore, a suitable tool is to be used for assembly.

In the case of Diesel engines, the clearance must be measured and the relevant instructions from the engine manufacturer must be followed. The part of the engine (cylinder block, crankshaft, con rod and piston) must be cleaned carefully before assembly to remove machining residues and deposits.

3. Types and technical terms of the cylinder liner



Main dimensions

- A = maximum finished diameter for pre-machined liners(Fully-finished)
- B = Fitting diameter
- C =Total length
- D =Flange diameter
- E =Flange height
- F =Fire protection rim height

Fitting recommendation

Wet cylinder liners



The location bores and particularly the running surfaces in the cylinder block must be cleaned carefully, and they must be undamaged. Corroded surfaces must be reworked (use flange liners and outer diameter oversize liners). As this is done, make sure that the liners move in easily and that they take up the correct position (the projecting length of the liner must be in accordance with the regulations of the engine manufacturer). After the liner has been installed with the seal rings that belong to it (use slip agent), the cylinder diameter is to be checked—particularly in the region of seal rings—so as to determine whether any deformation has been caused by pinched sealing rings. Using the wrong sealing rings (wrong diameter/wrong material) can cause a narrowing of the cylinder, which can lead to engine damage. The cooling system should be pressure tested after the liners have been installed, so as to determine whether there is any leakage before the engine is started.

Semi-finished cylinder liners



The surface which supports the flange must be vertical to the location bore and it must be sufficiently and evenly beveled. If the liner flange is unevenly supported it can tear off. After the installation of the liner, which is only semi-finished in its inside diameter, this cylinder boring is finely bored and then finished by honing until it has the specified dimensions or, in the case of finely bored liner, it is only finished by honing (tolerance accordingly to DIN/ISO H5). The surface of the liner must be flush to the sealing surface of the cylinder block; if necessary, the block surface and the liner must be finished by surface grinding.

Finished cylinder liners



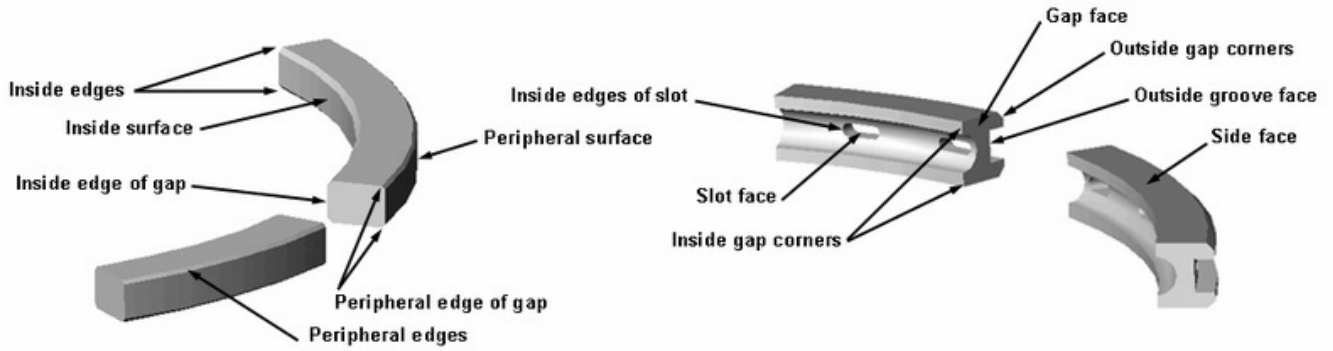
Before the liner is installed, the locating bore in the cylinder block must be cleaned carefully, and must be checked to ensure the accuracy of the dimensions and to determine whether any distortion has occurred. Out-of-center or damaged bores can be reworked for the installation of oversize liners. It is important for this that the locating bore is cylindrical, as this is what determines the geometrical shape of the inside of the pressed-in, thin-walled liner.

Finned cylinders



In accordance with the instructions from the engine manufacturer, cast iron cylinders or light alloy cylinders are used. Light alloy cylinders are separated into several groups due to the small installation clearance in the standard cylinder dimensions.

4. Types and technical terms of the piston ring



Cross-section configurations

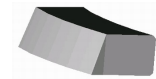
Sealing rings



Barrel-faced ring



Rectangular ring



Taper-faced ring



Half keystone ring



Keystone ring



Napier ring



Scraper ring (Stepped)

Oil control rings



Bevelled edge oil control ring



Coil spring loaded beveled edge oil control ring




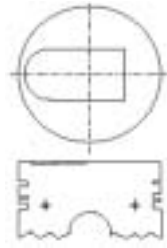
Steel-rail oil control ring (multi piece)

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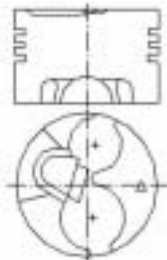
Bore	Engine Code						
70mm	K4C						
73mm	K4D						
76mm	K4E						
78mm	K4F						
84mm	4DQ5						
88mm	S4Q						
91.1mm	4D55/56	5D55T/56T	4D56 N	4D56T N	4D56T Late	4D56T New	4D55T
92mm	4DR5	4DR51					
94mm	S4E	S4S					
95mm	4DR7	4M40	4M40 New	4M40T	4M42-0AT		
98mm	6DS7	6DS7	S4E2	S4F	S4E2T		
98.5mm	4M41/T	4M41/T New					
100mm	4D30	4D31	4D31T	4D31TN			
102mm	S6KT						
104mm	4D32	4D32	4D34	4D34T	4D34T N	4D36	6D34T
	4D34T	4D34T4	4D34T4	6D34 Late			
105mm	6D10	6D11					
108mm	4D33	4D33T					
110mm	4D35/35T	6D14	6D14T	6D14-2AT	6D14-2AT	6D14-3AT	
	6DB1	6DB1 new					
113mm	6D15	6D15	6D15T	6D15-3AT			
118mm	6D16	6D16	6D16T	6D16T	6D16-3AT	6D16T	6D17
	6M60	6D16-3AT	6D16-3AT	6D17T2			
125mm	6D20	6D20					
130mm	6D22	6D22T	6D22T	6D22T-3V	6D22-3AT	6D22-3AT-3V	6D24
	6D24-3V	6D24	6D24T	6D24T III	6D24T	8DC4	8DC7
135mm	6D40	6D40T	8DC8	8DC81	8DC82	8DC82	8DC9
	8DC9T	8DC9T2-3V	8DC9T2	8DC9T-3V	8DC91	8DC91.8DC92A	8DC91T
	8DC91TN-3V	8DC93					
138mm	8DC10						
142mm	8DC11	8DC11	8DC11-3V	8DC11-3V			
146mm	8M20	8M20					
150mm	8M21						

Liner Kit For MITSUBISHI



Engine 4DQ5 4 cyls.2084cc Truck Canter Piston : Non-Alfin . Liner :Semi-finished .	Bore 84mm	5A84F01 MFDKT6700	5L84F01-S 30607-50301	5P84F01 30617-57105	5B84F01	5R84F01 30617-51011 R20250
			<u>Cylinder Liner</u> TL 162.0mm OD 87.0mm	<u>Piston</u> TL 92.3mm CH 45.3mm -1.8mm <u>Piston Pin</u> OD 25.0mm TL 70.0mm		<u>Piston Ring</u> RN 2.5 2.0 RN 4.0 FX


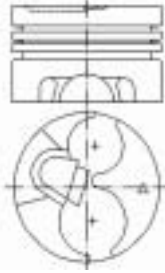
Engine S4Q 4 cyl.,NA,2500cc McCormick CT50U/CT55U/CT65U Tractor.	Bore 88mm			5P88F01 31317-16100		
Piston : Liner :			<u>Cylinder Liner</u> TL OD	<u>Piston</u> TL CH <u>Piston Pin</u> OD TL		<u>Piston Ring</u>


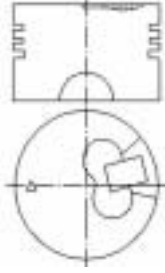
Engine 4D55 4D56 4 cyls,2346cc Galant A167,Galant Sapporo	Bore 91.1mm 91.1mm	5A91F01 MFKT5002100	5L91F01-S/F MD050430	5P91F01-T MD050021	5B91F01 MD050009 P777L	5R91F01 MD050395 R20211
Piston : Non-Alfin,Tin Plated Liner :Semi-finished or Fully-finished.		5A91F02 MFKT1033180		5P91F02-T MD103318		
			<u>Cylinder Liner</u> TL 165.0 OD 94.1	<u>Piston</u> TL 88.7 CH 48.7 -3.4 <u>Piston Pin</u> PD 29.0 PL 75.0		<u>Piston Ring</u> RN 2.5 RN 2.0 4.0 FX


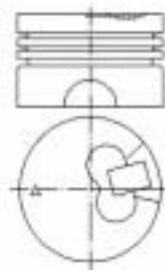
Suffix Code **Piston** A=Alfin D=Head Anodizing M=MoS2 Coating N=Nitrided O=Oil Gallery T=Tin Plating TL=Total Length
CH=Compression Height **Piston Pin** OD=Outer Diameter TL=Total Length **Liner** C=Chrome plating F=F/F IH=Induction Harden
N=Nitrided **P**=Phosphated **S**=S/F **U**=Copper plating **TL**=Total Length **OD**=Outer Diameter **FD**=Flange Diameter **FH**=Flange Height

Liner Kit For MITSUBISHI



<u>Engine</u> 4D55T 4 cyls,2346cc Galant A167,L300,L038P,68P	<u>Bore</u> 91.1mm	5A91F03 MFKT5001100	5L91F01-S MD050430	5P91F03-AT MD050011	5B91F01 MD050009 P777L	5R91F02 MD050390 MD103391 MD168293 R20503
Piston :Al-Fin,Tin Plated. Liner :Semi-finished or Fully-finished.		<u>Cylinder Liner</u>		<u>Piston</u>		<u>Piston Ring</u>
		TL 165.0	OD 94.1	TL 88.7 CH 48.7 -2.6		RN 2.5 H RN 2.0 H 4.0 FX
				<u>Piston Pin</u>		
				PD 29.0 PL 75.0		


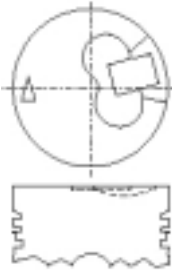



<u>Engine</u> 4D56 New 4 cyls,2346cc Galant A167,L300,L038P,68P	<u>Bore</u> 91.1mm	5A91F05 MFKT3048380	5L91F01-S MD050430	5P91F05-T MD304838	5B91F01 MD050009 P777L	5R91F01 MD050395 R20211
Piston :Tin Plated. Liner :Semi-finished or Fully-finished.		<u>Cylinder Liner</u>		<u>Piston</u>		<u>Piston Ring</u>
		TL 165.0	OD 94.1	TL 88.7 CH 48.7 -2.6		RN 2.5 RN 2.0 4.0 FX
				<u>Piston Pin</u>		
				PD 29.0 PL 75.0		


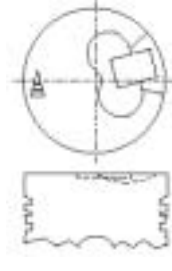



<u>Engine</u> 4D56T New 4 cyls. 2346cc Galant A167,L300,L038P,68P	<u>Bore</u> 91.1mm	5A91F06 MFKT3048530	5L91F01-S MD050430	5P91F06L-AO MD304853	5B91F01 MD050009	5R91F02 MD050390 MD103391 MD168293 R20503
Piston :Al-Fin & Oil Gallery Liner :Semi-finished or Fully-finished.		<u>Cylinder Liner</u>		<u>Piston</u>		<u>Piston Ring</u>
		TL 165.0	OD 94.2	TL 88.7 CH 48.7 -2.6		RN 2.5 H RN 2.0 H 4.0 FX
				<u>Piston Pin</u>		
				PD 29.0 PL 75.0		






Suffix Code **Piston** A=Alfin D=Head Anodizing M=MoS2 Coating N=Nitrided O=Oil Gallery T=Tin Plating TL=Total Length
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N=Nitrided **P**=Phosphated **S**=S/F **U**=Copper plating **TL**=Total Length **OD**=Outer Diameter **FD**=Flange Diameter **FH**=Flange Height

Liner Kit For MITSUBISHI



Engine 4D56T Late 4 cyls. 2346cc Galant A167,L300,L038P,68P Piston :Al-Fin Liner :Semi-finished or Fully-finished.	Bore 91.1mm	5A91F07 MFKT3048500	5L91F01-S MD050430	5P91F07-A MD304850	5B91F01 MD050009	5R91F02 MD050390 MD103391 MD168293 R20503
			<u>Cylinder Liner</u> TL 165.0 OD 94.2 FD FH	<u>Piston</u> TL 88.7 CH 48.7 -1.3 <u>Piston Pin</u> PD 29.0 PL 75.0		<u>Piston Ring</u> RN 2.5 H  RN 2.0 H  4.0 FX 


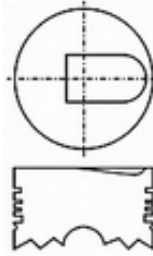
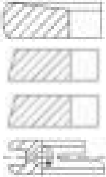
Engine 4D56T New 4 cyls. 2346cc Galant A167,L300,L038P,68P Piston :Al-Fin & Oil Gallery. Liner :Semi-finished or Fully-finished.	Bore 91.1mm	5A91F08 MFKT3048530	5L91F01-S MD050430	5P91F09L-AO MD304853 5P91F09R-AO MD304859	5B91F01 MD050009	5R91F02 MD050390 MD103391 MD168293 R20503
			<u>Cylinder Liner</u> TL 165.0 OD 94.2	<u>Piston</u> TL 88.7 CH 48.7 -2.6 <u>Piston Pin</u> PD 29.0 PL 75.0		<u>Piston Ring</u> RN 2.5 H  RN 2.0 H  4.0 FX 


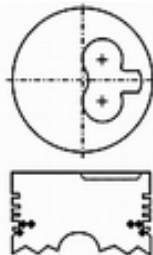
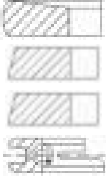
Engine 4D55T 4 cyls. 2346cc Galant A167,L300,L038P,68P Piston :Al-Fin & Oil Gallery. Liner :Semi-finished or Fully-finished.	Bore 91.1mm	5A91F09	5L91F01-S MD050430	5P91F09L-AO ME182601 5P91F09R-AO ME182607	5B91F01 MD050009	5R91F02 MD050390 MD103391 MD168293 R20503
			<u>Cylinder Liner</u> TL 165.0 OD 94.2	<u>Piston</u> TL 88.7 CH 48.7 <u>Piston Pin</u> PD 29.0 PL 75.0		<u>Piston Ring</u> RN 2.5 H  RN 2.0 H  4.0 FX 


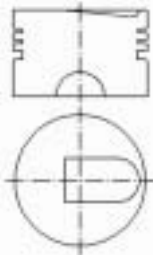
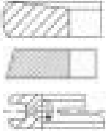
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Liner Kit For MITSUBISHI



<p><u>Engine</u> 4DR5</p> <p><u>Bore</u> 92mm</p> <p>4 cyl.,2659cc Canter T96A,96B,T200C,T200F Jeep J24,J36,J44 Rosa B200,B210</p> <p>Piston : Non-Alfin & Tin Plated. Liner :Semi finished/Fully finished.</p>	<p>5A92F01 MFDKT4101</p> <p>5L92F01-S 31607-02202</p> <p><u>Cylinder Liner</u></p> <p>TL 176.0 OD 95.0</p> 	<p>5P92F01-T 31617-00106</p> <p><u>Piston</u></p> <p>TL 99.5 CH 52.5 -3.0</p> <p><u>Piston Pin</u></p> <p>OD 28.0 TL 77.0</p> 	<p>5B92F01 31619-00700 31619-00792 P651L</p> <p><u>Piston Ring</u></p> <p>RN 2.5 H 2.0 2.0 RN 4.5 FX</p> 	<p>5R92F01 31617-02013 31617-05102 31617-05103 R20009</p>
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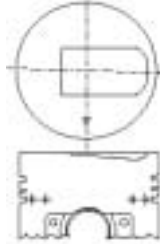
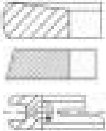
<p><u>Engine</u> 4DR51</p> <p><u>Bore</u> 92mm</p> <p>4 cyl.,2659cc Canter T96A,96B,T200C,T200F Jeep J24,J36,J44 Rosa B200,B210</p> <p>Piston : Non-Alfin & Tin Plated. Liner :Semi finished/Fully finished.</p>	<p>5A92F02 MFKT0204400</p> <p>5L92F01-S 31607-02202</p> <p><u>Cylinder Liner</u></p> <p>TL 176.0 OD 95.0</p> 	<p>5P92F02-T ME002044</p> <p><u>Piston</u></p> <p>TL 99.7 CH 52.7 -2.4</p> <p><u>Piston Pin</u></p> <p>OD 28.0 TL 77.0</p> 	<p>5B92F01 31619-00700 31619-00792 P651L</p> <p><u>Piston Ring</u></p> <p>RN 2.5 H 2.0 2.0 RN 4.5 FX</p> 	<p>5R92F01 31617-02013 31617-05102 31617-05103 R20009</p>
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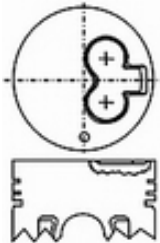
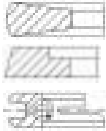
<p><u>Engine</u> S4E</p> <p><u>Bore</u> 94mm</p> <p>8 cyl.,2610 cc</p> <p>Piston : Non-AlFin, Liner : Semi-Finished</p>	<p>5A94F01 MFDKT7300</p> <p>5L94F01-S 34407-00301</p> <p><u>Cylinder Liner</u></p> <p>TL 168.5 OD 98.0</p> 	<p>5P94F01 34417-04101 34417-20101</p> <p><u>Piston</u></p> <p>TL 98.5 CH 51.5 -3.5</p> <p><u>Piston Pin</u></p> <p>OD 28.0 TL 77.0</p> 	<p>5B94F01 31619-00700 31619-00792 P109H</p> <p><u>Piston Ring</u></p> <p>RN 2.5 HK 2.0 4.5 FX</p> 	<p>5R94F01 34417-02012 34417-11011 R20013 R20014</p>
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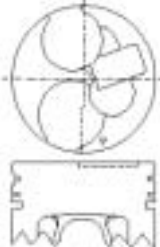
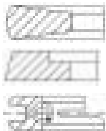
Suffix Code **Piston** A=Alfin D=Head Anodizing M=MoS2 Coating N=Nitrided O=Oil Gallery T=Tin Plating TL=Total Length
CH=Compression Height **Piston Pin** OD=Outer Diameter TL=Total Length **Liner** C=Chrome plating F=F/F IH=Induction Harden
N=Nitrided P=Phosphated S=S/F U=Copper plating TL=Total Length OD=Outer Diameter FD=Flange Diameter FH=Flange Height

Liner Kit For MITSUBISHI



Engine S4S 4 cyl.,3331cc Piston : Non-AlFin Liner : Semi-Finished	Bore 94mm	5A94F02 MHKT3200100	5L94F02-S 32A07-00300	5P94F02 32A17-00100	5B94F02 P6020LG	5R94F01 34417-02012 34417-11011 R20013 R20014
		 Cylinder Liner TL 190.0 OD 98.0		 Piston TL 89.8 CH 55.0 -4.5 Piston Pin OD 30.0 TL 77.0		Piston Ring RN 2.5 HK 2.0 4.5 FX 



Engine 4DR7 4 cyl. 2835cc Piston : Non-Alfin & Tin Plated. Liner : Semi finished.	Bore 95mm	5A95F01 MFKT2186100	5L95F01-S ME002153	5P95F01-T ME021861	5B95F01 ME002153 P658L	5R95F01 ME201522 ME202380 ME202950 ME997256 R20957
		 Cylinder Liner TL 186.0 OD 98.0		 Piston TL 94.6 CH 52.6 -2.2 Piston Pin OD 30.0 TL 78.0		Piston Ring RN 2.306 K 2.0 4.0 FM 


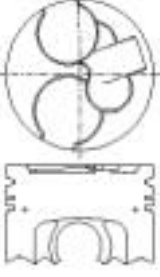
Engine 4M40 4 cyl.2835cc Pajero Piston : Al-Fin Liner : Semi finished.	Bore 95mm	5A95F02 MFKT2017810	5L95F02-S ME168963	5P95F02-A ME201781 ME200680 ME200682	5B95F02 ME201016 P7800L	5R95F02 MD997894 ME202380 R20661 R20975
		 Cylinder Liner TL 186.0 OD 99.0		 Piston TL 91.7 CH 51.7 -1.3 Piston Pin OD 30.0 TL 78.0		Piston Ring GN 2.306 K RN 2.0 GN 4.0 FM 


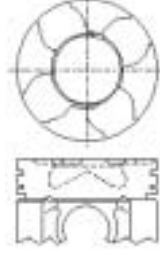
Suffix Code **Piston** A=Alfin D=Head Anodizing M=MoS2 Coating N=Nitrided O=Oil Gallery T=Tin Plating TL=Total Length
CH=Compression Height **Piston Pin** OD=Outer Diameter TL=Total Length **Liner** C=Chrome plating F=F/F IH=Induction Harden
 N=Nitrided P=Phosphated S=S/F U=Copper plating TL=Total Length OD=Outer Diameter FD=Flange Diameter FH=Flange Height

Liner Kit For MITSUBISHI



Engine 4M40 New 4 cyl.2835cc Pajero FB501,FD511 Piston : Al-Fin & Oil Gallery,Head Anodized,Skirt with MoS2 coating Liner :Semi finished.	Bore 95mm	5A95F03 MFKT2006890	5L95F02-S MD168963	5P95F03-ADO ME200689	5B95F02 ME201016 P7800L	5R95F02 MD997894 ME202380 R20661 R20975
			Cylinder Liner TL 186.0 OD 99.0	Piston TL 91.6 CH 51.6 -1.2 Piston Pin OD 30.0 TL 78.0		Piston Ring GN 2.306 K RN 2.0 GN 4.0 FM


Engine 4M40T 4 cyl.2835cc Pajero Piston : Al-Fin,Oil Gallery & Head Anodized. Liner : Semi finished.	Bore 95mm	5A95F04 MFKT2032230	5L95F02-S ME168963	5P95F04-ADO ME203223 ME203224 ME203225	5B95F02 ME201016 P7800L	5R95F03 ME202148 R20585
			Cylinder Liner TL 186.0 OD 99.0	Piston TL 91.6 CH 51.6 -1.0 Piston Pin OD 30.0 TL 77.9		Piston Ring GN 2.306 K RN 2.0 GN 3.0 FM

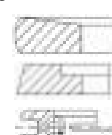
Engine 4M42-0AT 4 cyl. ,2977cc Truck:Canter 3C13 EURO3 Canter FE534,FE73 Piston : Al-Fin,Oil Gallery & MoS2 skirt Liner : Semi finished.	Bore 95mm	5A95F05	5L95F02-S ME168963	5P95F05-AOM ME190903 ME190906	5B95F03 ME203868 P7801L	5R95F03 ME202148 R20585
			Cylinder Liner TL 186.0 OD 99.0	Piston TL 87.0 CH 47.0 -18.1 Piston Pin OD 32.0 TL 80.0		Piston Ring GN 2.306 K RN 2.0 GN 3.0 FM


Suffix Code **Piston** A=Alfin D=Head Anodizing M=MoS2 Coating N=Nitrided O=Oil Gallery T=Tin Plating TL=Total Length
CH=Compression Height**Piston Pin** OD=Outer DiameterTL=Total LengthLiner C=Chrome plating F=F/F IH=Induction Harden
 N=Nitrided P=Phosphated S=S/F U=Copper platingTL=Total LengthOD=Outer DiameterFD=Flange DiameterFH=Flange Height

Liner Kit For MITSUBISHI



Engine 6DS7 6 cyl.,5430cc Truck T653B,653BG,663C,663ZD,FK102 Tractor T653ZR Bus B623B,623E Piston : Non-Alfin,Tin Plated. Liner : Fully-Finished	Bore 98mm	5A98S01 ME024019	5L98S01-F ME021843	5P98S01 ME024402 ME023774 ME024407	5B98S01 ME020448 ME020449 P618L	5R98S01 ME024409 ME023333 ME024409 R20180	


Engine 6DS7 New 6 cyl.,5430cc Truck T653B,653BG,663C,663ZD,FK102 Tractor T653ZR Bus B623B,623E Piston : Non-Alfin,Tin Plated. Liner : Fully-Finished	Bore 98mm	5A98S02 MFDKT5904	5L98S02-F ME029081 ME029187	5P98S01 ME024402 ME023774 ME024407	5B98S01 ME020448 ME020449 P618L	5R98S01 ME024409 ME023333 ME024409 R20180	

Engine S4E-2 4 cyl., 2960cc Piston : Non-AlFin Liner : Semi-Finished	Bore 98mm	5A98F01 MHKT3454100	5L98F01-S 34407-05400	5P98F01 34417-54100	5B98F01	5R98F01 34417-09012 R20961	


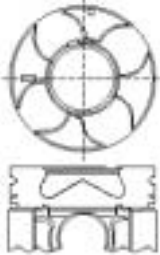
Suffix Code **Piston** A=Alfin D=Head Anodizing M=MoS2 Coating N=Nitrided O=Oil Gallery T=Tin Plating TL=Total Length
CH=Compression Height **Piston Pin** OD=Outer Diameter TL=Total Length **Liner** C=Chrome plating F=F/F IH=Induction Harden
N=Nitrided **P**=Phosphated **S**=S/F **U**=Copper plating **TL**=Total Length **OD**=Outer Diameter **FD**=Flange Diameter **FH**=Flange Height

Liner Kit For MITSUBISHI



<u>Engine</u> S4F	<u>Bore</u> 98mm	5A98F02 MHKT3641100	5L98F01-S 34407-05400	5P98F02-A 36717-41100	5B98F01	5R98F01 34417-09012 R20961
4 cyl., 2955cc Piston : AlFin, Round combustion chamber 50mm Liner : Semi-Finished			<u>Cylinder Liner</u>	<u>Piston</u>		<u>Piston Ring</u> RN 3.0 HK 2.0 5.0 FX
	TL 168.5 OD 101.0		TL 96.5 CH 57.6 -18.2			
			<u>Piston Pin</u> OD 32.0 TL 78.0			


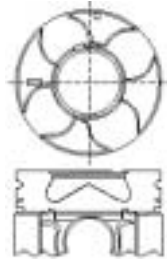
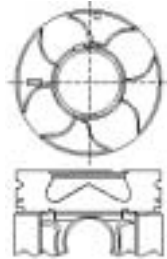
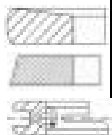
<u>Engine</u> S4E2-T	<u>Bore</u> 98mm			5P98F03 34417-23102		
4 cyl., 2955cc Piston : Liner :			<u>Cylinder Liner</u>	<u>Piston</u>		<u>Piston Ring</u>
			TL OD	TL CH		
				<u>Piston Pin</u> OD TL		


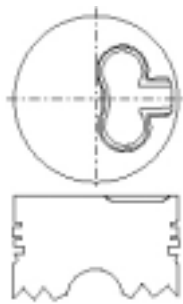
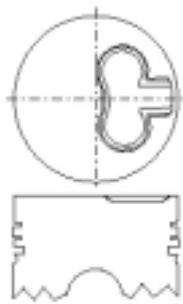
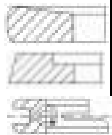
<u>Engine</u> 4M41/T	<u>Bore</u> 98mm	5A985F01	5L985F01-S	5P985F01-AHOM ME191470	5B95F03 ME203868 P7801L	5R985F01 ME203533
4 cyl., 3200cc 1999-2006 Mitsubishi Pajero 3.2 DiD (V68/V78) 2005-present Mitsubishi Triton/L200/Strada 2006-present Mitsubishi Pajero Piston : AlFin, Oil Gallery, Head Anodized & MoS2 skirt Liner : Semi-Finished			<u>Cylinder Liner</u>	<u>Piston</u>		<u>Piston Ring</u> 2.3 1.5 3.0
	TL 180.0 OD 102.5		TL 87.0 CH 47.0 -20.4			
			<u>Piston Pin</u> OD 32.0 TL 80.0			


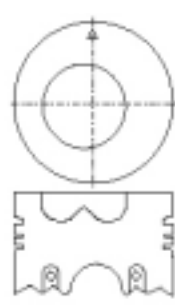
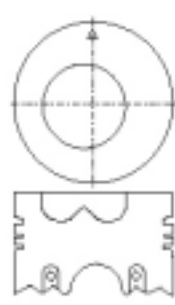
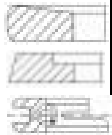
Suffix Code **Piston** A=Alfin D=Head Anodizing M=MoS2 Coating N=Nitrided O=Oil Gallery T=Tin Plating TL=Total Length
CH=Compression Height **Piston Pin** OD=Outer Diameter TL=Total Length **Liner** C=Chrome plating F=F/F IH=Induction Harden
N=Nitrided **P**=Phosphated **S**=S/F **U**=Copper plating **TL**=Total Length **OD**=Outer Diameter **FD**=Flange Diameter **FH**=Flange Height

Liner Kit For MITSUBISHI



<p>Engine Bore</p> <p>4M41/T New 98mm</p> <p>4 cyl., 3200cc 1999-2006 Mitsubishi Pajero 3.2 DiD (V68/V78) 2005-present Mitsubishi Triton/L200/Strada 2006-present Mitsubishi Pajero</p> <p>Piston : AlFin,Oil Gallery,Ceramic coating & MoS2 skirt Liner : Semi-Finished</p>	<p>5A985F02</p> 	<p>5L985F01-S</p> <p><u>Cylinder Liner</u></p> <p>TL 180.0 OD 102.5</p>	<p>5P985F02-AOM</p> <p>ME191471</p> <p><u>Piston</u></p> <p>TL 87.0 CH 47.0 -20.25</p> <p><u>Piston Pin</u></p> <p>OD 32.0 TL 80.0</p> 	<p>5B95F03</p> <p>ME203868 P7801L</p> 	<p>5R985F01</p> <p>ME203533</p> <p><u>Piston Ring</u></p> <p>2.3 1.5 3.0</p> 
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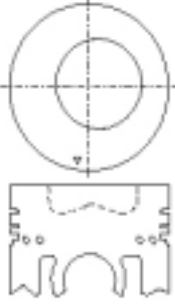
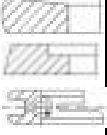
<p>Engine Bore</p> <p>4D30 100mm</p> <p>4 cyls.3298cc Truck Canter ,Bus BE211</p> <p>Piston : Non-Alfin or Alfin Liner :Semi-finished or Fully-finished.</p>	<p>5A00F01</p> <p>ME999303</p> 	<p>5L00F01-S/F</p> <p>ME011513</p> <p><u>Cylinder Liner</u></p> <p>TL 196.5mm OD 104.0mm</p>	<p>5P00F01</p> <p>ME012115</p> <p><u>Piston</u></p> <p>TL 110.3mm CH 60.5mm -2.8mm</p> <p><u>Piston Pin</u></p> <p>OD 34.0mm TL 84.0mm</p> 	<p>5B00F01</p> <p>ME012203 ME012249 ME012257 P6029L</p> 	<p>5R00F01</p> <p>ME012010 ME012070 R20460</p> <p><u>Piston Ring</u></p> <p>RN 3.0H 2.0 5.0 FX</p> 
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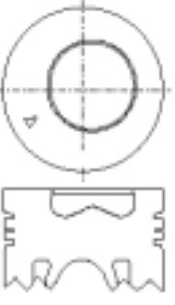
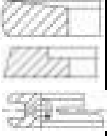
<p>Engine Bore</p> <p>4D31 100mm</p> <p>4 cyls.3298cc Truck FE434 Canter</p> <p>Piston : Alfin ,Round Combustion Chamber 52mm Liner :Semi-finished or Fully-finished.</p>	<p>5A00F02</p> <p>ME999709</p> 	<p>5L00F02-S/F</p> <p>ME011604</p> <p><u>Cylinder Liner</u></p> <p>TL 191.5mm OD 104.0mm</p>	<p>5P00F02-A</p> <p>ME012145 ME012131 ME012160</p> <p><u>Piston</u></p> <p>TL 110.7mm CH 60.7mm -18.0mm</p> <p><u>Piston Pin</u></p> <p>OD 34.0mm TL 84.0mm</p> 	<p>5B00F01</p> <p>ME012203 ME012249 ME012257 P6029L</p> 	<p>5R00F01</p> <p>ME012010 ME012070 R20460</p> <p><u>Piston Ring</u></p> <p>RN 3.0H 2.0 5.0 FX</p> 
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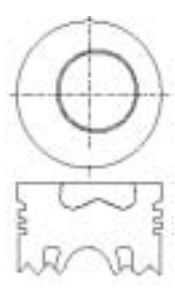
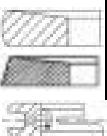
Suffix Code **Piston** A=Alfin D=Head Anodizing M=MoS2 Coating N=Nitrided O=Oil Gallery T=Tin Plating TL=Total Length
CH=Compression Height **Piston Pin** OD=Outer Diameter TL=Total Length **Liner** C=Chrome plating F=F/F IH=Induction Harden
N=Nitrided **P**=Phosphated **S**=S/F **U**=Copper plating **TL**=Total Length **OD**=Outer Diameter **FD**=Flange Diameter **FH**=Flange Height

Liner Kit For MITSUBISHI



<u>Engine</u> 4D31T	<u>Bore</u> 100mm	5A00F03 ME999628	5L00F02-S/F ME011604	5P00F03-A ME012155	5B00F01 ME012234 P627L	5R00F02 ME999717 R20761
4 cyls.3298cc Truck FE434 Canter, Piston : Alfin,Round Combustion Chamber 54mm Liner :Semi-finished or Fully-finished.			<u>Cylinder Liner</u> TL 191.5mm OD 104.0mm	<u>Piston</u> TL 110.7mm CH 60.7mm -18.3mm <u>Piston Pin</u> OD 34.0mm TL 84.0mm		<u>Piston Ring</u> RN 3.0H 2.0 5.0 FX 


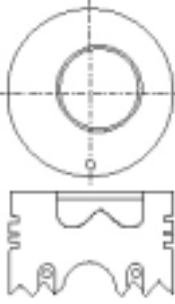
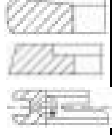
<u>Engine</u> 4D31T New	<u>Bore</u> 100mm	5A00F04 MFDKT6900	5L00F02-S/F ME011604	5P00F04-A ME012858	5B00F01 ME012234 P627L	5R00F03 ME012848 ME997396 ME997398 ME999783 R20441
4 cyls 3298cc Truck FE434 Canter, Piston : Alfin,Round Combustion Chamber 54mm Liner :Semi-finished or Fully-finished.			<u>Cylinder Liner</u> TL 191.5mm OD 104.0mm	<u>Piston</u> TL 110.7mm CH 60.7mm -17.5mm <u>Piston Pin</u> OD 34.0mm TL 84.0mm		<u>Piston Ring</u> RN 3.0H 2.0 4.0 FM 


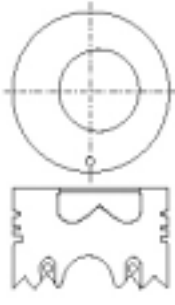
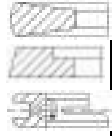
<u>Engine</u> S6KT	<u>Bore</u> 102mm	5A02S01 MHKT3410200	5L02S01-S 34307-00501	5P02S01-A 34317-10200	5B02S01 B3708-35LG	5R02S01 34317-19010 34317-19011 R20955
6 cyl., 6380cc Piston : AlFin,Round combustion chamber 60mm Liner : Semi-Finished			<u>Cylinder Liner</u> TL 195.0 OD 105.0	<u>Piston</u> TL 97.8 CH 57.8 -18.9 <u>Piston Pin</u> OD 34.0 TL 84.0		<u>Piston Ring</u> RN 3.0 HK 2.0 HK 4.0 FX 


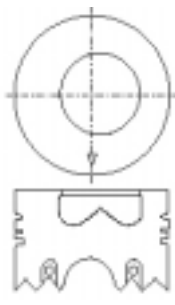

Suffix Code **Piston** A=Alfin D=Head Anodizing M=MoS2 Coating N=Nitrided O=Oil Gallery T=Tin Plating TL=Total Length
CH=Compression Height **Piston Pin** OD=Outer Diameter TL=Total Length **Liner** C=Chrome plating F=F/F IH=Induction Harden
N=Nitrided **P**=Phosphated **S**=S/F **U**=Copper plating **TL**=Total Length **OD**=Outer Diameter **FD**=Flange Diameter **FH**=Flange Height

Liner Kit For MITSUBISHI



Engine 4D32 4 cyls.3567cc Truck FE305,315,435	Bore 104mm	5A04F01 ME997317	5L04F01-S/F ME013336	5P04F01 ME012174	5B04F01 ME012203 ME012249 ME012257 P6029L	5R04F01 ME997318 ME999243 ME999641 R20515
Piston : Non-Alfin or Alfin, Round Combustion Chamber 54mm Liner : Semi-finished or Fully-finished.		 Cylinder Liner TL 197.5mm OD 108.0mm		 Piston TL 110.7mm CH 60.7mm -18.8mm Piston Pin OD 34.0mm TL 84.0mm		Piston Ring RN 3.0H 2.0 4.0 FM 


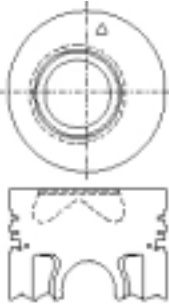
Engine 4D32 4 cyls.3567cc Truck FE305,315,435	Bore 104mm	5A04F02 MFKT1827700	5L04F01-S/F ME013336	5P04F02 ME018277	5B00F01 ME012234 P627L	5R04F02 ME996566 ME997240 R20931
Piston : Non-Alfin or Alfin, Round Combustion Chamber 52mm Liner : Semi-finished or Fully-finished.		 Cylinder Liner TL 197.5mm OD 108.0mm		 Piston TL 112.3mm CH 62.3mm -20.7mm Piston Pin OD 34.0mm TL 84.0mm		Piston Ring RN 2.8K 2.0 4.0 FM 


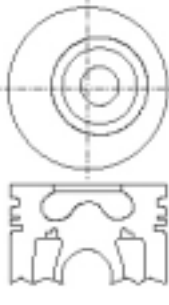
Engine 4D34 4 cyls.3907cc Truck FE439	Bore 104mm	5A04F03 ME997329	5L04F01-S/F ME013366	5P04F03 ME012901 ME012900 ME012928	5B00F01 ME012234 P627L	5R04F02 ME996566 ME997240 R20931
Piston : Alfin, Round Combustion Chamber 54mm Liner : Semi-finished or Fully-finished.		 Cylinder Liner TL 197.5 OD 108.0		 Piston TL 112.2 CH 62.2 -20.4 Piston Pin OD 34.0 TL 84.0		Piston Ring RN 2.806K 2.0 4.0 FM 



Suffix Code **Piston** A=Alfin D=Head Anodizing M=MoS2 Coating N=Nitrided O=Oil Gallery T= Tin Plating TL=Total Length
CH=Compression Height **Piston Pin** OD=Outer Diameter TL=Total Length **Liner** C=Chrome plating F=F/F IH=Induction Harden
 N=Nitrided P=Phosphated S=S/F U=Copper plating TL=Total Length OD=Outer Diameter FD=Flange Diameter FH=Flange Height

Liner Kit For MITSUBISHI



<u>Engine</u> 4D34T	<u>Bore</u> 104mm	5A04F04 ME997689	5L04F01-S/F ME013366	5P04F04 ME014160 ME013325	5B04F02 ME013075 P6032L	5R04F02 ME996566 ME997240 R20931
4 cyls.3907cc Truck BE449,459,FE439			<u>Cylinder Liner</u>	<u>Piston</u>		<u>Piston Ring</u>
Piston : Alfin,Round Combustion Chamber 54mm Liner :Semi-finished or Fully-finished.	TL 197.5 OD 108.0		TL 112.2 CH 62.2 -20.6	RN 2.806K 2.0 4.0 FM		
			<u>Piston Pin</u> OD 36.0 TL 88.0			

<u>Engine</u> 4D34T New	<u>Bore</u> 104mm	5A04F05 MFKT2047000	5L04F01-S/F ME013366	5P04F05-AO ME220470 ME011143	5B04F02 ME013075 P6032L	5R04F02 ME996566 ME997240 R20931
4 cyls.3907cc Truck BE449,459,FE439			<u>Cylinder Liner</u>	<u>Piston</u>		<u>Piston Ring</u>
Piston : Alfin & Oil Gallery,Round Combustion Chamber 59mm Liner :Semi-finished or Fully-finished.	TL 197.5 OD 108.0		TL 112.2 CH 62.2 -22.9	RN 2.806K 2.0 4.0 FM		
			<u>Piston Pin</u> OD 36.0 TL 88.0			

<u>Engine</u> 4D36	<u>Bore</u> 104mm	5A04F06 MFKT1828300	5L04F01-S/F ME013366	5P04F06-ADT ME018283	5B04F02 ME013075 P6032L	5R04F02 ME996566 ME997240 R20931
4 cyls,3567cc			<u>Cylinder Liner</u>	<u>Piston</u>		<u>Piston Ring</u>
Piston : Alfin,Tin Plated & Head Anodized. Liner : Semi-finished or Fully-finished.	TL 197.5 OD 108.0		TL 109.5 CH 59.7	RN 2.806K 2.0 4.0 FM		
			<u>Piston Pin</u> OD 36.0 TL 88.0			




Suffix Code **Piston** A=Alfin D=Head Anodizing M=MoS2 Coating N=Nitrided O=Oil Gallery T=Tin Plating TL=Total Length
CH=Compression Height **Piston Pin** OD=Outer Diameter TL=Total Length **Liner** C=Chrome plating F=F/F IH=Induction Harden
N=Nitrided **P**=Phosphated **S**=S/F **U**=Copper plating **TL**=Total Length **OD**=Outer Diameter **FD**=Flange Diameter **FH**=Flange Height

Liner Kit For MITSUBISHI



<u>Engine</u> 4D34T 4 cyls,3567cc	<u>Bore</u> 104mm		5P04F07 ME120470	
Piston : Liner :		<u>Cylinder Liner</u> TL OD	<u>Piston</u> TL 112.2 CH 62.2 <u>Piston Pin</u> OD 36.0 TL 88.0	<u>Piston Ring</u>

<u>Engine</u> 4D34T4 4 cyls,3567cc	<u>Bore</u> 104mm		5P04F08 ME082602	
Piston : Liner :		<u>Cylinder Liner</u> TL OD	<u>Piston</u> TL 112.2 CH 62.2 <u>Piston Pin</u> OD 36.0 TL 88.0	<u>Piston Ring</u>

<u>Engine</u> 4D34T4 4 cyls,3567cc	<u>Bore</u> 104mm	5L04F01-S/F ME013366	5P04F09 ME220470 ME011143	5B04F02 ME013075 P6032L	5R04F02 ME996566 ME997240 R20931
Piston : Alfin & Oil Gallery. Liner : Semi-finished or Fully-finished.		<u>Cylinder Liner</u> TL 197.5 OD 108.0	<u>Piston</u> TL 112.2 CH 62.2 -11.5 -22.9 <u>Piston Pin</u> OD 36.0 TL 88.0		<u>Piston Ring</u> RN 2.806K 2.0 4.0 FM 

Suffix Code **Piston** A=Alfin D=Head Anodizing M=MoS2 Coating N=Nitrided O=Oil Gallery T=Tin Plating TL=Total Length
CH=Compression Height **Piston Pin** OD=Outer Diameter TL=Total Length **Liner** C=Chrome plating F=F/F IH=Induction Harden
N=Nitrided **P**=Phosphated **S**=S/F **U**=Copper plating **TL**=Total Length **OD**=Outer Diameter **FD**=Flange Diameter **FH**=Flange Height

Liner Kit For MITSUBISHI



<u>Engine</u> 6D34T	<u>Bore</u> 104mm	5A04S01 ME993531	5L04F01-S/F ME013366	5P04S01-AO ME220454	5B04S01 ME012257 P6331L	5R04S01 ME997240 R20931
6 cyls. SK230-5/6			<u>Cylinder Liner</u>	<u>Piston</u>		<u>Piston Ring</u>
Piston : Alfin & Oil Gallery, Round Combustion Chamber 52mm Liner : Semi-finished or Fully-finished.			TL 197.5 OD 108.0	TL 112.2 CH 62.2		RN 2.806 K 2.0 4.0 FM
				<u>Piston Pin</u>		
				OD 36.0 TL 88.0		

<u>Engine</u> 6D34 Late	<u>Bore</u> 104mm			5P04S02 ME082584		
6 cyls.			<u>Cylinder Liner</u>	<u>Piston</u>		<u>Piston Ring</u>
Piston : Liner :			TL OD	TL CH		
				<u>Piston Pin</u>		
				OD TL		


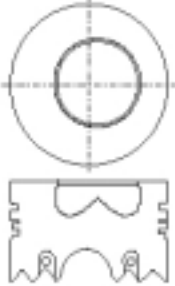
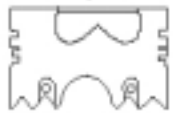
<u>Engine</u> 6D10	<u>Bore</u> 105mm	5A05S01 MFDKT0801	5L05S01-F ME031502	5P05S01 ME032300	5B10S01 ME032014 ME032015 ME033943 P620L	5R05S01 ME032190 ME032326 R20023
6 cyl.,6754cc Truck T654B,T654ZR,FK10-3,KK103 Bus MK103H,MM504H			<u>Cylinder Liner</u>	<u>Piston</u>		<u>Piston Ring</u>
Piston : Non-Alfin Liner : Fully finished.			TL 205.8 OD 119.0 FD 126.0 FH 10.0+1.3	TL 130.7 CH 70.7		RN 3.0 H 2.0 RN 5.0 FX
				<u>Piston Pin</u>		
				OD 38.0 TL 90.0		




Suffix Code Piston A=Alfin D=Head Anodizing M=MoS2 Coating N=Nitrided O=Oil Gallery T= Tin Plating TL=Total Length
CH=Compression Height Piston Pin OD=Outer Diameter TL=Total Length Liner C=Chrome plating F=F/F IH=Induction Harden
N=Nitrided P=Phosphated S=S/F U=Copper plating TL=Total Length OD=Outer Diameter FD=Flange Diameter FH=Flange Height

Liner Kit For MITSUBISHI



Engine	Bore	5A05S02	5L05S02-F	5P05S02	5B10S01	5R05S01
6D11	105mm	MFDKT0901	MD031505	ME032301	ME032014 ME032015 ME033943	ME032190 ME032326 R20023
6 cyl.,6754cc Truck T654B,T654ZR,FK10-3,KK103 Bus MK103H,MM504H						
Piston : Non-Alfin Liner : Fully finished.		<u>Cylinder Liner</u> TL 228.3 OD 119.0 FD 126.0 FH 10.0		<u>Piston</u> TL 130.7 CH 70.7 <u>Piston Pin</u> OD 38.0 TL 90.0		<u>Piston Ring</u> RN 3.0 H 2.0 RN 5.0 FX


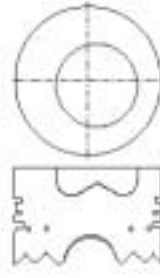
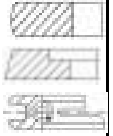
Engine	Bore	5A08F01	5L08F01-S	5P08F01	5B00F01	5R08F01
4D33	108mm	MFKT1289700	ME013333	ME012897	ME012234 P627L	ME996378 ME999871 R20021
4 cyls.4214cc Truck FE437,447						
Piston : Non-alfin or Alfin,Round Combustion Chamber 56mm Liner : Semi-finished			<u>Cylinder Liner</u> TL 197.0mm OD 112.0mm	<u>Piston</u> TL 112.2mm CH 62.2 mm -21.3mm <u>Piston Pin</u> OD 34.0mm TL 84.0mm	 	<u>Piston Ring</u> RN 3.0 2.0 RN 4.0 FX



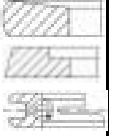
Engine	Bore	5A08F02	5L08F01-S	5P08F02-A	5B00F01	5R08F01
4D33T	108mm	MFKT1689500	ME013333	ME016895	ME012234 P627L	ME996378 ME999871 R20021
4 cyls.,4214cc Truck FE437,447						
Piston : Alfin,Round Combustion Chamber 54mm Liner : Semi-finished			<u>Cylinder Liner</u> TL 197.0mm OD 112.0mm	<u>Piston</u> TL 112.2 CH 62.2 <u>Piston Pin</u> OD 34.0 TL 84.0	 	<u>Piston Ring</u> RN 3.0 2.0 RN 4.0 FX



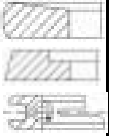
Suffix Code **Piston** A=Alfin D=Head Anodizing M=MoS2 Coating N=Nitrided O=Oil Gallery T=Tin Plating TL=Total Length
CH=Compression Height **Piston Pin** OD=Outer Diameter TL=Total Length **Liner** C=Chrome plating F=F/F IH=Induction Harden
N=Nitrided **P**=Phosphated **S**=S/F **U**=Copper plating **TL**=Total Length **OD**=Outer Diameter **FD**=Flange Diameter **FH**=Flange Height

Liner Kit For MITSUBISHI



Engine	Bore	5A10F01	5L10F01	5P10F01-AO	5B04F02	5R10F01
4D35 4D35T 4 cyls,3907cc Canter FE538,FE638	110mm	MFKT1469300	ME013075	ME014693	ME013075 P6032L	ME996628 R20845
Piston : Alfin & Oil Gallery ,Round Combustion Chamber 56mm Liner : Semi-finished			<u>Cylinder Liner</u> TL 200.0 OD 114.0	<u>Piston</u> TL 109.5 CH 59.7 <u>Piston Pin</u> OD 36.0 TL 88.0		<u>Piston Ring</u> RN 3.0 2.5 4.0 FM 

Engine	Bore	5A10S01	5L10S01-F	5P10S01	5B10S01	5R10S01
6D14 6 cyls. 6557cc Truck FK615	110mm	MFDKT5905	ME031617	ME032626	ME032014 ME032015 ME033943 P620L	ME997423 ME997439 R20026
Piston : Non-Alfin Round Combustion Chamber 57mm Liner :Fully Finished			<u>Cylinder Liner</u> TL 206.0 OD 122.0 FD 131.0 FH 10.0 +1.5	<u>Piston</u> TL 115.8 CH 70.8 <u>Piston Pin</u> OD 38.0 TL 90.0		<u>Piston Ring</u> RN 3.0 HK RN 2.5 RN 5.0 FX 

Engine	Bore	5A10S02	5L10S01-F	5P10S02-AT	5B10S01	5R10S01
6D14T 6 cyl.,6557cc Truck FK615 ,FK415,515	110mm	ME999115	ME031617	ME032742	ME032014 ME032015 ME033943 P620L	ME997423 ME997439 R20026
Piston : Al-fin & Tin Plated ,Round Combustion Chamber 61mm Liner :Fully Finished			<u>Cylinder Liner</u> TL 206.0 OD 122.0 FD 131.0 FH 10.0 +1.5	<u>Piston</u> TL 116.1 CH 71.2 -20.3 <u>Piston Pin</u> OD 38.0 TL 90.0		<u>Piston Ring</u> RN 3.0 HK RN 2.5 RN 5.0 FX 

Suffix Code Piston A=Alfin D=Head Anodizing M=MoS2 Coating N=Nitrided O=Oil Gallery T=Tin Plating TL=Total Length
CH=Compression Height Piston Pin OD=Outer Diameter TL=Total Length Liner C=Chrome plating F=F/F IH=Induction Harden
 N=Nitrided P=Phosphated S=S/F U=Copper plating TL=Total Length OD=Outer Diameter FD=Flange Diameter FH=Flange Height

Liner Kit For MITSUBISHI



Engine 6D14-2AT 6 cyl.,6557cc Truck FK615 ,FK415,515 Piston : Al-fin & Tin Plated , Round Combustion Chamber 57mm Liner :Fully Finished	Bore 110mm	5A10S03 ME999442	5L10S02-F ME071198 ME031618	5P10S03AT ME072022	5B10S01 ME032014 ME032015 ME033943 P620L	5R10S02 ME032458 ME032260 ME032404 ME032071 R20025
			Cylinder Liner TL 211.0 OD 122.0 FD 131.0 FH 10.0 +1.5	Piston TL 116.1 CH 71.1 -21.0 Piston Pin OD 38.0 TL 90.0		Piston Ring RN 3.0 HK RN 2.5 RN 5.0 FX



Engine 6D14-2AT 6 cyl.,6557cc Truck FK615 ,FK415,515 Piston : Al-fin & Tin Plated , Round Combustion Chamber 57mm Liner :Fully Finished	Bore 110mm	5A10S04 ME997080	5L10S02-F ME071198 ME031618	5P10S04AT ME072170 ME072064 ME072172	5B10S02 ME072128 P6326L	5R10S03 ME999952 R20028
			Cylinder Liner TL 211.0 OD 122.0 FD 131.0 FH 10.0 +1.5	Piston TL 116.1 CH 71.1 -20.6 Piston Pin OD 38.0 TL 90.0		Piston Ring RN 3.0 2.5 4.0 FM

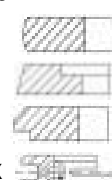
Engine 6D14T-3AT 6 cyl. 6557cc Bus MK115,115H,MM115,515 Piston : Al-fin ,Round Combustion Chamber 58mm Liner :Fully Finished	Bore 110mm	5A10S05 ME997452	5L10S02-F ME071198 ME031618	5P10S05-AT ME072047	5B10S02 ME072128 P6326L	5R10S04 ME997465 R20933
			Cylinder Liner TL 211.0 OD 122.0 FD 131.0 FH 10.0 +1.5	Piston TL 116.1 CH 71.1 -21.5 Piston Pin OD 38.0 TL 90.0		Piston Ring RN 2.8 K RN 2.5 4.0 FM

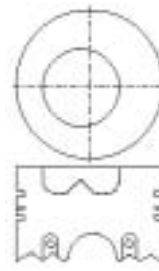
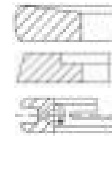
Suffix Code **Piston** A=Alfin D=Head Anodizing M=MoS2 Coating N=Nitrided O=Oil Gallery T=Tin Plating TL=Total Length
CH=Compression Height **Piston Pin** OD=Outer Diameter TL=Total Length **Liner** C=Chrome plating F=F/F IH=Induction Harden
N=Nitrided **P**=Phosphated **S**=S/F **U**=Copper plating **TL**=Total Length **OD**=Outer Diameter **FD**=Flange Diameter **FH**=Flange Height

Liner Kit For MITSUBISHI



Engine 6DB1 Bore 110mm Late Model 6 cyl. ,8550cc Truck T416,486,410D,331,337D Bus B820J,MR520,410,470,450,MAR410,470 Piston : Non-Alfin Liner : Fully finished.	5A10S06 30094-02100	5L10S03-F 30007-62200 Cylinder Liner TL 270.0 OD 125.0 FD 135.0 FH 11.8+1.5	5P10S06 30017-90100 30017-92101 Piston TL 152.5 CH 77.5 -2.6 Piston Pin OD 40.0 TL 95.0	5B10S03 30019-20601 P602L 	5R10S05 30017-75003 30017-71003 R20024 Piston Ring RN 3.5 2.5 2.5 RN 5.0 FX 
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Engine 6DB1 Bore 110mm Old Model 6 cyl. ,8550cc Truck T416,486,410D,331,337D Bus B820J,MR520,410,470,450,MAR410,470 Piston : Non-Alfin Liner : Fully finished.	5A10S07 30094-01100	5L10S03-F 30007-62200 Cylinder Liner TL 270.0 OD 125.0 FD 135.0 FH 11.8+1.5	5P10S07 30017-70102 Piston TL 139.5 CH 77.5 -2.6 Piston Pin OD 40.0 TL 95.0	5B10S03 30019-20601 P602L	5R10S05 30017-75003 30017-71003 R20024 Piston Ring RN 3.5 2.5 2.5 RN 5.0 FX 
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Engine 6D15 Bore 113mm 6 cyl. 6919cc Truck FK116,216,FM316,M116,516, Piston : Non-Alfin or Al-fin , Round Combustion Chamber 57mm Liner :Fully-Finished or Water Jacket Chrome plated	5A13S01 MFDKT6201	5L13S01-CF ME031656 Cylinder Liner TL 206.0 OD 125.0 FD 133.0 FH 10.0+1.5	5P13S01 ME032480 ME032593 Piston TL 115.8 CH 70.8 -21.3 Piston Pin OD 38.0 TL 90.0	5B10S01 ME032014 ME032015 ME033943 P620L 	5R13S01 ME032403 ME072306 R20911 Piston Ring RN 3.0 H 2.5 5.0 FX 
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Suffix Code **Piston** A=Alfin D=Head Anodizing M=MoS2 Coating N=Nitrided O=Oil Gallery T=Tin Plating TL=Total Length
CH=Compression Height **Piston Pin** OD=Outer Diameter TL=Total Length **Liner** C=Chrome plating F=F/F IH=Induction Harden
N=Nitrided **P**=Phosphated **S**=S/F **U**=Copper plating **TL**=Total Length **OD**=Outer Diameter **FD**=Flange Diameter **FH**=Flange Height

Liner Kit For MITSUBISHI



<u>Engine</u> 6D15	<u>Bore</u> 113mm	5A13S02 MFDKT6301	5L13S01-CF ME031656	5P13S02 ME031661 ME072033/35	5B10S01 ME032014 ME032015 ME033943 P620L	5R13S01 ME032403 ME072306 R20911
6 cyl. 6919cc Truck FK116,216,FM316,M116,516,						
Piston : Non-Alfin or Al-fin , Round Combustion Chamber 57mm Liner :Fully-Finished or Water Jacket Chrome plated		<u>Cylinder Liner</u> TL 206.0 OD 125.0 FD 133.0 FH 10.0+1.5		<u>Piston</u> TL 116.2 CH 71.2 -21.0 <u>Piston Pin</u> OD 38.0 TL 90.0		<u>Piston Ring</u> RN 3.0 H 2.5 5.0 FX

<u>Engine</u> 6D15T	<u>Bore</u> 113mm	5A13S03 MFDKT6002	5L13S01-CF ME031656	5P13S03-A ME032870 ME032871	5B10S01 ME032014 ME032015 ME033943 P620L	5R13S01 ME032403 ME072306 R20911
6 cyl. 6919cc Truck FK116,216,FM316,M116,516,						
Piston : Al-fin ,Round Combustion Chamber 59mm Liner :ully-Finished or Water Jacket Chrome plated		<u>Cylinder Liner</u> TL 206.0 OD 125.0 FD 133.0 FH 10.0+1.5		<u>Piston</u> TL 116.1 CH 71.1 -23.0 <u>Piston Pin</u> OD 38.0 TL 90.0		<u>Piston Ring</u> RN 3.0 H 2.5 5.0 FX

<u>Engine</u> 6D15-3AT	<u>Bore</u> 113mm	5A13S04 ME997463	5L13S02-FP ME071090 ME071145 ME047574	5P13S04-A ME072321 ME072055	5B10S02 ME072128 P6326L	5R13S02 ME999954 ME997466 ME999929 ME997456 R20901
6 cyl. 6919cc Truck FK116,216,FM316,M116,516,						
Piston : Al-fin ,Round Combustion Chamber 57mm Liner : Fully finished & phosphated.		<u>Cylinder Liner</u> TL 206.0 OD 117.0 FD 125.0 FH 8.0+1.5		<u>Piston</u> TL 116.2 CH 71.0 -21.4 <u>Piston Pin</u> OD 38.0 TL 92.0		<u>Piston Ring</u> RN 2.806 K 2.5 4.0 FM

Suffix Code **Piston** A=Alfin D=Head Anodizing M=MoS2 Coating N=Nitrided O=Oil Gallery T=Tin Plating TL=Total Length
CH=Compression Height **Piston Pin** OD=Outer Diameter TL=Total Length **Liner** C=Chrome plating F=F/F IH=Induction Harden
N=Nitrided **P**=Phosphated **S**=S/F **U**=Copper plating **TL**=Total Length **OD**=Outer Diameter **FD**=Flange Diameter **FH**=Flange Height

Liner Kit For MITSUBISHI



<u>Engine</u> 6D16 6 cyl. 7545cc Fighter Truck FK617A,FK618 ,	<u>Bore</u> 118mm	5A18S01 MFDKT7400	5L18S01-FP ME071224 ME071225 ME071228	5P18S01-A ME072062	5B18S01 ME035380 ME035381 ME072126 P6321	5R18S01 ME999540 ME999955 R20281
Piston : Al-fin ,Round Combustion Chamber 60mm Liner : Fully finished & phosphated.		<u>Cylinder Liner</u>		<u>Piston</u>		<u>Piston Ring</u>
		TL	204.0	TL	116.1	RN 3.0
		OD	122.0	CH	71.1 -21.8	2.5
		FD	128.0	<u>Piston Pin</u>		4.0 FX
		FH	8.0	OD	38.0	
				TL	92.0	

<u>Engine</u> 6D16 6 cyl. 7545cc Construction Machine	<u>Bore</u> 118mm	5A18S02 ME997338	5L18S01-FP ME071224 ME071225 ME071228	5P18S02-A ME072000	5B18S01 ME035380 ME035381 ME072126 P6321	5R18S01 ME999540 ME999955 R20281
Piston : Al-fin ,Round Combustion Chamber 60mm Liner : Fully finished & phosphated.		<u>Cylinder Liner</u>		<u>Piston</u>		<u>Piston Ring</u>
		TL	204.0	TL	116.1	RN 3.0
		OD	122.0	CH	71.1 -21.8	2.5
		FD	128.0	<u>Piston Pin</u>		4.0 FX
		FH	8.0	OD	38.0	
				TL	92.0	

<u>Engine</u> 6D16T 6 cyl. 7545cc Truck Fighter FK617A,618	<u>Bore</u> 118mm	5A18S03 ME999945	5L18S02-FP ME041102 ME041105	5P18S03-A ME072065	5B10S02 ME072128 P6326L	5R18S02 ME997467 R20213
Piston : Al-fin ,Round Combustion Chamber 62mm Liner : Fully finished & phosphated.		<u>Cylinder Liner</u>		<u>Piston</u>		<u>Piston Ring</u>
		TL	206.0	TL	116.1	RN 2.806
		OD	122.0	CH	71.1 -22.7	K
		FD	128.0	<u>Piston Pin</u>		2.5
		FH	8.0+1.5	OD	38.0	4.0 FM
				TL	92.0	

Suffix Code Piston **A**=Alfin **D**=Head Anodizing **M**=MoS2 Coating **N**=Nitrided **O**=Oil Gallery **T**=Tin Plating **TL**=Total Length
CH=Compression Height Piston Pin **OD**=Outer Diameter **TL**=Total Length Liner **C**=Chrome plating **F**=F/F **IH**=Induction Harden
N=Nitrided **P**=Phosphated **S**=S/F **U**=Copper plating **TL**=Total Length **OD**=Outer Diameter **FD**=Flange Diameter **FH**=Flange Height

Liner Kit For MITSUBISHI



<u>Engine</u> 6D16T	<u>Bore</u> 118mm	5A18S04 ME997446	5L18S02-FP ME041102 ME041105	5P18S04-A ME072067	5B10S02 ME072128 P6326L	5R18S02 ME997467 R20213
6 cyl. 7545cc Crane			<u>Cylinder Liner</u>	<u>Piston</u>		<u>Piston Ring</u>
Piston : Al-fin ,Round Combustion Chamber 62mm Liner : Fully finished & phosphated.			TL 206.0 OD 122.0 FD 128.0 FH 8.0+1.5	TL 116.1 CH 71.1 <u>Piston Pin</u> OD 38.0 TL 92.0		RN 2.806 K 2.5 4.0 FM

<u>Engine</u> 6D16-3AT	<u>Bore</u> 118mm	5A18S05 MFKT7257000	5L18S02-FP ME041102 ME041105	5P18S05-AO ME072570	5B10S02 ME072128 P6326L	5R18S02 ME997467 R20213
6 cyl. 7545cc			<u>Cylinder Liner</u>	<u>Piston</u>		<u>Piston Ring</u>
Piston : Al-fin & Oil gallery, Round Combustion Chamber 56mm Liner : Fully finished & phosphated.			TL 206.0 OD 122.0 FD 128.0 FH 8.0+1.5	TL 116.1 CH 71.1 <u>Piston Pin</u> OD 38.0 TL 92.0		RN 2.806 K 2.5 4.0 FM

<u>Engine</u> 6D16-T	<u>Bore</u> 118mm	5A18S06 MFKT3001990	5L18S02-FP ME041102 ME041105	5P18S06-AO ME300199		5R18S02 ME997467 R20213
6 cyl. 7545cc			<u>Cylinder Liner</u>	<u>Piston</u>		<u>Piston Ring</u>
Piston : Al-fin & Oil gallery, Round Combustion Chamber 57mm Liner : Fully finished & phosphated.			TL 206.0 OD 122.0 FD 128.0 FH 8.0+1.5	TL 116.1 CH 71.1 <u>Piston Pin</u> OD 42.0 TL 92.0		RN 2.806 K 2.5 4.0 FM

Suffix Code **Piston** A=Alfin D=Head Anodizing M=MoS2 Coating N=Nitrided O=Oil Gallery T=Tin Plating TL=Total Length
CH=Compression Height **Piston Pin** OD=Outer Diameter TL=Total Length **Liner** C=Chrome plating F=F/F IH=Induction Harden
N=Nitrided **P**=Phosphated **S**=S/F **U**=Copper plating **TL**=Total Length **OD**=Outer Diameter **FD**=Flange Diameter **FH**=Flange Height

Liner Kit For MITSUBISHI



<u>Engine</u> 6D17 6 cyl. 7545cc	<u>Bore</u> 118mm	5A18S07 ME997643	5L18S01-FP ME071224 ME071225 ME071228	5P18S07-A ME072394	5B10S02 ME072128 P6326L	5R18S01 ME999540 ME999955 R20281	
Piston : Al-fin ,Round Combustion Chamber 59mm Liner : Fully finished & phosphated.		<u>Cylinder Liner</u>		<u>Piston</u>		<u>Piston Ring</u>	
		TL	204.0	TL		111.2	RN 3.0
		OD	122.0	CH		66.1	2.5
		FD	128.0	<u>Piston Pin</u>			4.0 FX
		FH	8.0	OD		38.0	
				TL	92.0		

<u>Engine</u> 6M60 6 cyl. 7500cc Truck:FM260,FM330	<u>Bore</u> 118mm	5A18S08 MFKT3194310	5L18S02 ME071940	5P18S08-O ME131943	5B10S02	5R18S01
Piston : Oil Gallery Round Combustion Chamber 53mm Liner :		<u>Cylinder Liner</u>		<u>Piston</u>		<u>Piston Ring</u>
		TL	209.0	TL	116.1	
		OD		CH	71.1	
		FD		<u>Piston Pin</u>		
		FH		OD	42.0	
				TL	93.0	

<u>Engine</u> 6D16-3AT 6 cyl. 7545cc	<u>Bore</u> 118mm			5P18S09 ME072570		
Piston : Liner :		<u>Cylinder Liner</u>		<u>Piston</u>		<u>Piston Ring</u>
		TL		TL		
		OD		CH		
		FD		<u>Piston Pin</u>		
		FH		OD		
				TL		

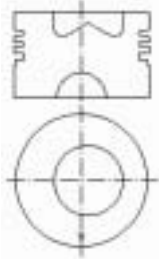
Suffix Code Piston **A**=Alfin **D**=Head Anodizing **M**=MoS2 Coating **N**=Nitrided **O**=Oil Gallery **T**=Tin Plating **TL**=Total Length
CH=Compression Height Piston Pin **OD**=Outer Diameter **TL**=Total Length Liner **C**=Chrome plating **F**=F/F **IH**=Induction Harden
N=Nitrided **P**=Phosphated **S**=S/F **U**=Copper plating **TL**=Total Length **OD**=Outer Diameter **FD**=Flange Diameter **FH**=Flange Height

Liner Kit For MITSUBISHI



<u>Engine</u> 6D16-3AT 6 cyl. 7545cc	<u>Bore</u> 118mm		5P18S10 ME072602	
Piston : Liner :		<u>Cylinder Liner</u> TL OD FD FH	<u>Piston</u> TL CH <u>Piston Pin</u> OD TL	<u>Piston Ring</u>

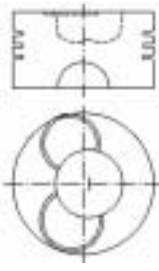

<u>Engine</u> 6D17T2 6 cyl. 7545cc	<u>Bore</u> 118mm		5P18S11 ME072546	
Piston : Liner :		<u>Cylinder Liner</u> TL OD FD FH	<u>Piston</u> TL 111.1 CH 66.1 <u>Piston Pin</u> OD 38.0 TL 92.0	<u>Piston Ring</u>


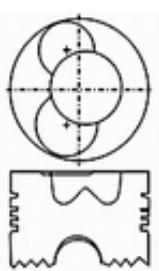
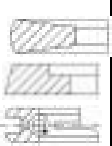
<u>Engine</u> 6D20 6 cyl. 10308cc	<u>Bore</u> 125mm	5A25S01 MFDKT4501	5L25S01-FP ME051554 30907-10500 ME051157	5P25S01-A 30917-10103 30917-10101	5B25S01 ME052159 30319-00600 ME052660 30319-00690 P609L	5R25S01 30917-01012 R20029
Piston : Al-fin , Round Combustion Chamber 75mm Liner : Fully Finished			<u>Cylinder Liner</u> TL 261.3 OD 143.0 FD 153.0 FH 11.5-1.3	<u>Piston</u> TL 158.2 CH 83.2 - 22.7 <u>Piston Pin</u> OD 50.0 TL 101.0		<u>Piston Ring</u> RN 4.0 H 3.0 6.0 FX


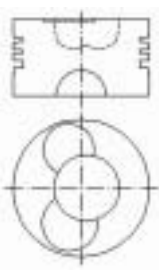
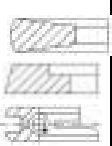
Suffix Code Piston **A**=Alfin **D**=Head Anodizing **M**=MoS2 Coating **N**=Nitrided **O**=Oil Gallery **T**=Tin Plating **TL**=Total Length
CH=Compression Height Piston Pin **OD**=Outer Diameter **TL**=Total Length Liner **C**=Chrome plating **F**=F/F **IH**=Induction Harden
N=Nitrided **P**=Phosphated **S**=S/F **U**=Copper plating **TL**=Total Length **OD**=Outer Diameter **FD**=Flange Diameter **FH**=Flange Height

Liner Kit For MITSUBISHI



Engine 6D20 6 cyl. 10308cc Truck NP117JD,FP117FD,FD217R, K202,FP117,K202 Bus MP117H,MP517,MP117,517 Piston : Al-fin , Round Combustion Chamber 75mm Liner : Fully Finished	Bore 125mm	5A25S02 ME999317	5L25S01-FP ME051554 30907-10500 ME051157 <u>Cylinder Liner</u> TL 261.3 OD 143.0 FD 153.0 FH 11.5-1.3	5P25S02-A ME052264 <u>Piston</u> TL 158.0 CH 82.9 -22.90 <u>Piston Pin</u> OD 50.0 TL 101.0	5B25S01 ME052159 30319-00600 ME052660 30319-00690 P609L 	5R25S02 ME052145 R20033 <u>Piston Ring</u> RN 3.306 K 3.0 RN 6.0 FX 
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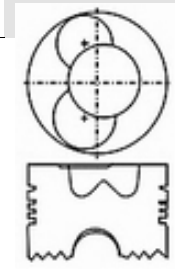
Engine 6D22 6 cyl. 11149cc Truck FP308,MP518 Piston : Al-fin ,Round Combustion Chamber 69mm Liner :Fully Finished	Bore 130mm	5A30S01 MFDKT4302	5L30S01-F ME051217  <u>Cylinder Liner</u> TL 261.8 OD 147.0 FD 156.0 FH 11.5+1.8	5P30S01-A ME052447 <u>Piston</u> TL 158.0 CH 82.9 -26.1 <u>Piston Pin</u> OD 50.0 TL 106.0	5B25S01 ME052159 30319-00600 ME052660 30319-00690 P609L 	5R30S01 ME052124 30917-20010 R20035 <u>Piston Ring</u> RN 3.306 K 3.0 6.0 FX 
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Engine 6D22T 6 cyl. 11149cc Truck FP308,MP518 Piston : Al-fin ,Round Combustion Chamber 82mm Liner :Fully Finished	Bore 130mm	5A30S02 ME999594	5L30S01-F ME051217  <u>Cylinder Liner</u> TL 261.8 OD 147.0 FD 156.0 FH 11.5+1.8	5P30S02-A ME052540 ME052664 <u>Piston</u> TL 158.2 CH 83.1 -23.3 <u>Piston Pin</u> OD 50.0 TL 106.0	5B25S01 ME052159 30319-00600 ME052660 30319-00690 P609L 	5R30S01 ME052124 30917-20010 R20035 <u>Piston Ring</u> RN 3.306 K 3.0 6.0 FX 
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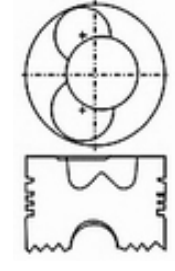
Suffix Code **Piston** A=Alfin D=Head Anodizing M=MoS2 Coating N=Nitrided O=Oil Gallery T= Tin Plating TL=Total Length
CH=Compression Height **Piston Pin** OD=Outer Diameter TL=Total Length **Liner** C=Chrome plating F=F/F IH=Induction Harden
 N=Nitrided P=Phosphated S=S/F U=Copper plating TL=Total Length OD=Outer Diameter FD=Flange Diameter FH=Flange Height

Liner Kit For MITSUBISHI



Engine 6D22T 6 cyl. 11149cc Truck FP308,MP518 Piston : Al-fin ,Round Combustion Chamber 82mm Liner :Fully Finished	Bore 130mm	5A30S03 MFKT5273000	5L30S01-F ME051217	5P30S03-A ME052730	5B25S01 ME052159 30319-00600 ME052660 30319-00690 P609L	5R30S01 ME052124 30917-20010 R20035
			Cylinder Liner TL 261.8 OD 147.0 FD 156.0 FH 11.5+1.8	Piston TL 158.2 CH 83.1 -23.3 Piston Pin OD 50.0 TL 106.0		Piston Ring RN 3.306 K 3.0 6.0 FX


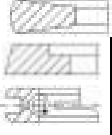
Engine 6D22T-3V 6 cyl. 11149cc Truck FP308,MP518 Piston : Al-fin ,Round Combustion Chamber 80mm Liner :Fully Finished	Bore 130mm	5A30S04 MFKT5013200	5L30S01-F ME051217	5P30S04-A ME150132	5B25S01 ME052159 30319-00600 ME052660 30319-00690 P609L	5R30S01 ME052124 30917-20010 R20035
			Cylinder Liner TL 261.8 OD 147.0 FD 156.0 FH 11.5+1.8	Piston TL 158.2 CH 83.1 Piston Pin OD 50.0 TL 106.0		Piston Ring RN 3.306 K 3.0 6.0 FX


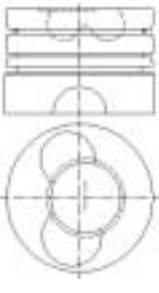
Engine 6D22T-3AT 6 cyl. 11149cc Truck FP308,MP518 Piston : Al-fin & Oil Gallery , Round Combustion Chamber 79mm Liner :Fully Finished	Bore 130mm	5A30S05 ME997031	5L30S01-F ME051217	5P30S05-AO ME052792	5B25S01 ME052159 30319-00600 ME052660 30319-00690 P609L	5R30S02 ME052889 ME052893 R20081 R20763
			Cylinder Liner TL 261.8 OD 147.0 FD 156.0 FH 11.5+1.8	Piston TL 158.2 CH 83.1 -23.5 Piston Pin OD 50.0 TL 106.0		Piston Ring RN 3.306 K RN 3.0 RN 4.0 FX



Suffix Code | **Piston** A=Alfin D=Head Anodizing M=MoS2 Coating N=Nitrided O=Oil Gallery T=Tin Plating TL=Total Length
CH=Compression Height **Piston Pin** OD=Outer Diameter TL=Total Length **Liner** C=Chrome plating F=F/F IH=Induction Harden
 N=Nitrided P=Phosphated S=S/F U=Copper plating TL=Total Length OD=Outer Diameter FD=Flange Diameter FH=Flange Height

Liner Kit For MITSUBISHI



Engine 6D22T-3AT-3' Bore 130mm 6 cyl. 11149cc Truck FP308,MP518 Piston : Al-fin & Oil Gallery , Round Combustion Chamber 79mm Liner :Fully Finished	5A30S06 MFKT5281800	5L30S01-F ME051217	5P30S06-AO ME052818	5B25S01 ME052159 30319-00600 ME052660 30319-00690 P609L	5R30S02 ME052889 ME052893 R20081 R20763
		Cylinder Liner TL 261.8 OD 147.0 FD 156.0 FH 11.5+1.8	Piston TL 158.2 CH 83.1 Piston Pin OD 50.0 TL 106.0	Piston Ring RN 3.306 K RN 3.0 RN 4.0 FX	


Engine 6D24 Bore 130mm 6 cyl. 11945cc Dump: FP517FD Cargo:FP517H,FP517J,FP517L,FP517N Piston : Al-fin & Oil Gallery Round Combustion Chamber 69mm Liner : Fully Finished	5A30S07 ME996153	5L30S01-F ME051217	5P30S07-AO ME151409	5B30S02 P610LGTA	5R30S03 ME151190 SDM31-094
		Cylinder Liner TL 261.8 OD 147.0 FD 156.0 FH 11.5+1.8	Piston TL 153.2 CH 78.2 -26.2 Piston Pin OD 50.0 TL 106.0		Piston Ring SR 3.306 K HB 3.0 SR 4.0





Engine 6D24-3V Bore 130.0mm 6 cyl. 11945cc Dump: FP517FD Cargo:FP517H,FP517J,FP517L,FP517N Piston : Al-fin & Oil Gallery Round Combustion Chamber 69mm Liner :Fully Finished	5A30S08 ME996153	5L30S01-F ME051217	5P30S08-AO ME151416	5B30S02 P610LGTA	5R30S03 ME151190 SDM31-094
		Cylinder Liner TL 261.7 OD 147.0 FD 156.0 FH 11.5+1.8	Piston TL 153.2 CH 78.1 Piston Pin OD 50.0 TL 106.0		Piston Ring SR 3.306 K HB 3.0 SR 4.0





Suffix Code **Piston** A=Alfin D=Head Anodizing M=MoS2 Coating N=Nitrided O=Oil Gallery T= Tin Plating TL=Total Length
CH=Compression Height **Piston Pin** OD=Outer Diameter TL=Total Length **Liner** C=Chrome plating F=F/F IH=Induction Harden
 N=Nitrided P=Phosphated S=S/F U=Copper plating TL=Total Length OD=Outer Diameter FD=Flange Diameter FH=Flange Height

Liner Kit For MITSUBISHI



<u>Engine</u> 6D24 6 cyl. 11945cc	<u>Bore</u> 130.0mm	5A30S09 MFKT5064200	5L30S01-F ME051217	5P30S09-AO ME150642	5B30S02 P610LGTA	
Piston : Al-fin & Oil Gallery Round Combustion Chamber 67mm Liner :Fully Finished		<u>Cylinder Liner</u>		<u>Piston</u>		<u>Piston Ring</u>
		TL	261.7	TL	153.2	
		OD	147.0	CH	78.1	
		FD	156.0	<u>Piston Pin</u>		
		FH	11.5+1.8	OD	50.0	
				TL	106.0	



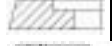

<u>Engine</u> 6D24T 6 cyl. 11945cc Dump: FP517FD Cargo:FP517H,FP517J,FP517L,FP517N	<u>Bore</u> 130.0mm	5A30S10 ME996470	5L30S01-F ME051217	5P30S10-AO ME158096	5B30S02 P610LGTA	5R30S03 ME151190 SDM31-094
Piston : Al-fin & Oil Gallery Round Combustion Chamber 69mm Liner :Fully Finished		<u>Cylinder Liner</u>		<u>Piston</u>		<u>Piston Ring</u>
		TL	261.7	TL	153.2	SR 3.306 K 
		OD	147.0	CH	78.1	HB 3.0 
		FD	156.0	<u>Piston Pin</u>		SR 4.0 
		FH	11.5+1.8	OD	50.0	
				TL	106.0	




<u>Engine</u> 6D24T (III) 6 cyl. 11945cc Dump: FP517FD Cargo:FP517H,FP517J,FP517L,FP517N	<u>Bore</u> 130.0mm	5A30S11 MFKT5308100	5L30S01-F ME051217	5P30S11-AO ME153081	5B30S02 P610LGTA	5R30S03 ME151190 SDM31-094
Piston : Al-fin & Oil Gallery Round Combustion Chamber 65mm Liner :Fully Finished		<u>Cylinder Liner</u>		<u>Piston</u>		<u>Piston Ring</u>
		TL	261.7	TL	125.1	SR 3.306 K 
		OD	147.0	CH	78.1	HB 3.0 
		FD	156.0	<u>Piston Pin</u>		SR 4.0 
		FH	11.5+1.8	OD	50.0	
				TL	106.0	



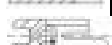
Suffix Code **Piston** A=Alfin D=Head Anodizing M=MoS2 Coating N=Nitrided O=Oil Gallery T=Tin Plating TL=Total Length
CH=Compression Height **Piston Pin** OD=Outer Diameter TL=Total Length **Liner** C=Chrome plating F=F/F IH=Induction Harden
 N=Nitrided P=Phosphated S=S/F U=Copper plating TL=Total Length OD=Outer Diameter FD=Flange Diameter FH=Flange Height

Liner Kit For MITSUBISHI



Engine 6D24T Bore 130.0mm 6 cyl. 11945cc Dump: FP517FD Cargo:FP517H,FP517J,FP517L,FP517N Piston : Al-fin & Oil Gallery Round Combustion Chamber 66mm Liner :Fully Finished	5A30S12 MFKT5265200	5L30S01-F ME051217	5P30S12-AO ME152652 ME152654	5B30S02 P610LGTA	5R30S03 ME151190 SDM31-094
	 Cylinder Liner TL 261.7 OD 147.0 FD 156.0 FH 11.5+1.8		Piston TL 153.2 CH 78.1 Piston Pin OD 50.0 TL 106.0		Piston Ring SR 3.306 K  HB 3.0  SR 4.0 

Engine 8DC4 Bore 130.0mm 8 cyl.,13273cc Truck T811P,901FD,NV112,FV313 Bus B806L.K.N,B905N,NA,B805N,NA,MS512N,512NA,MS512 Piston : Al-fin . Round Combustion Chamber 72mm Liner :Fully Finished/Water Jacket Chromed.	5A30E01 ME999145	5L30E01-F ME062526 31207-72603/4	5P30E01-A ME062273	5R30E01 31219-70600 P607LX4	5R30E01 ME062298 R20036
	Cylinder Liner TL 229.3 OD 147.0 FD 157.0 FH 11.8+1.3		Piston TL 145.5 CH 80.5 Piston Pin OD 45.0 TL 108		Piston Ring RN 3.306 K  3.0  6.0 FX 

Engine 8DC7 Bore 130.0mm 8 cyl.,13273cc Truck T811P,901FD,NV112,FV313 Bus B806L.K.N,B905N,NA,B805N,NA,MS512N,512NA,MS512 Piston : Al-fin . Round Combustion Chamber 73mm Liner :Fully Finished/Water Jacket Chromed.	5A30E02 ME999147	5L30E01-F ME062526 31207-72603/4	5P30E02A ME062280	5R30E01 31219-70600 P607LX4	5R30E01 ME062298 R20036
	Cylinder Liner TL 229.3 OD 147.0 FD 157.0 FH 11.8+1.3		Piston TL 143.0 CH 78.0 Piston Pin OD 45.0 TL 108		Piston Ring RN 3.306 K  3.0  6.0 FX 

Suffix Code | **Piston** A=Alfin D=Head Anodizing M=MoS2 Coating N=Nitrided O=Oil Gallery T= Tin Plating TL=Total Length
CH=Compression Height **Piston Pin** OD=Outer Diameter TL=Total Length **Liner** C=Chrome plating F=F/F IH=Induction Harden
N=Nitrided **P**=Phosphated **S**=S/F **U**=Copper plating **TL**=Total Length **OD**=Outer Diameter **FD**=Flange Diameter **FH**=Flange Height

Liner Kit For MITSUBISHI



<u>Engine</u> 6D40	<u>Bore</u> 135mm	5A35S01 ME997307	5L35S01 ME120028	5P35S01-AO ME120533	5B35S01	5R35S01 ME120536 SDM31-056ZZ
6 cyl. 12023cc The Great Truck						
Piston : 1st & 2nd groove Al-fin & Oil Gallery ,Round Combustion Chamber 90mm Liner : Fully finished & Phosphated.						
		<u>Cylinder Liner</u>		<u>Piston</u>		
						<u>Piston Ring</u>
		TL 261.0		TL 157.00		RN 3.306
		OD 140.0		CH 82.50		K
		FD 149.0		-20.00		3.0
		FH 9.0+1.3		<u>Piston Pin</u>		4.0 FM
				OD 55.0		
				TL 109.0		

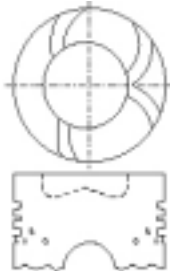
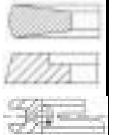
<u>Engine</u> 6D40	<u>Bore</u> 135mm	5A35S02 MFKT2119900	5L35S01 ME120028	5P35S02-AO ME121199	5B35S01	5R35S01 ME120536 SDM31-056ZZ
6 cyl. 12023cc The Great Truck						
Piston : 1st & 2nd groove Al-fin & Oil Gallery ,Round Combustion Chamber 72mm Liner : Fully finished & Phosphated.						
		<u>Cylinder Liner</u>		<u>Piston</u>		
						<u>Piston Ring</u>
		TL 261.0		TL 157.50		RN 3.306
		OD 140.0		CH 82.6		K
		FD 149.0		<u>Piston Pin</u>		3.0
		FH 9.0+1.3		OD 55.0		4.0 FM
				TL 109.0		

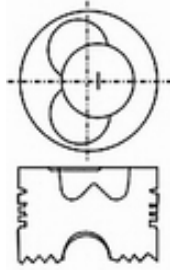
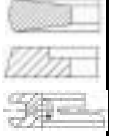
<u>Engine</u> 8DC8	<u>Bore</u> 135mm	5A35E01 ME999148	5L35E01-CF ME061036 ME062597~9 31207-72104	5P35E01-A ME090165	5B30E01 31219-70600 P607LX4	5R35E01 ME062086 31217-60012 R20970
8 cyl.,14886cc						
Piston : Al-Fin, Round Combustion Chamber 75mm Liner : Phosphated,water jacket Chromed.						
		<u>Cylinder Liner</u>		<u>Piston</u>		
						<u>Piston Ring</u>
		TL 229.7		TL 143.0		RN 4.07 H
		OD 154.0		CH 78.0		3.0
		FD 163.0		-13.0		6.0 FX
		FH 11.8+1.7		<u>Piston Pin</u>		
				OD 45.0		
				TL 108		

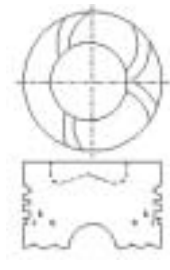
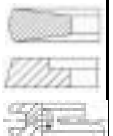
Suffix Code Piston **A**=Alfin **D**=Head Anodizing **M**=MoS2 Coating **N**=Nitrided **O**=Oil Gallery **T**=Tin Plating **TL**=Total Length
CH=Compression Height Piston Pin **OD**=Outer Diameter **TL**=Total Length Liner **C**=Chrome plating **F**=F/F **IH**=Induction Harden
N=Nitrided **P**=Phosphated **S**=S/F **U**=Copper plating **TL**=Total Length **OD**=Outer Diameter **FD**=Flange Diameter **FH**=Flange Height

Liner Kit For MITSUBISHI



<u>Engine</u> 8DC81	<u>Bore</u> 135mm	5A35E02 MFDKT4601	5L35E01-CF ME061036 ME062597~9 31207-72104	5P35E02-A ME062422	5B30E01 31219-70600 P607LX4	5R35E02 ME062022 ME062246 ME065684 R20042
8 cyl.,14886cc FT,FJ,FV			<u>Cylinder Liner</u>	<u>Piston</u>		<u>Piston Ring</u> RN 3.306 K 3.0 RN 6.0 FX 
Piston : Al-Fin, Round Combustion Chamber 73mm Liner : Phosphated,water jacket Chromed.			TL 229.7 OD 154.0 FD 163.0 FH 11.8+1.7	TL 143.0 CH 78.0 -23.4 <u>Piston Pin</u> OD 45.0 TL 108		

<u>Engine</u> 8DC82	<u>Bore</u> 135mm	5A35E03 MFDKT6330	5L35E01-CF ME061036 ME062597~9 31207-72104	5P35E03-A ME062589	5B30E01 31219-70600 P607LX4	5R35E02 ME062022 ME062246 ME065684 R20042
8 cyl.,14886cc FT,FJ,FV			<u>Cylinder Liner</u>	<u>Piston</u>		<u>Piston Ring</u> RN 3.306 K 3.0 RN 6.0 FX 
Piston : Al-Fin, Round Combustion Chamber 71mm Liner : Phosphated,water jacket Chromed.			TL 229.7 OD 154.0 FD 163.0 FH 11.8+1.7	<u>Piston Pin</u> OD 45.0 TL 108		

<u>Engine</u> 8DC82	<u>Bore</u> 135mm	5A35E04 ME997013	5L35E01-CF ME061036 ME062597~9 31207-72104	5P35E04-A ME090719 ME090717	5B30E01 31219-70600 P607LX4	5R35E03 ME090574 R20791
8 cyl.,14886cc FT,FJ,FV			<u>Cylinder Liner</u>	<u>Piston</u>		<u>Piston Ring</u> RN 3.306 K 3.0 4.0 FM 
Piston : Al-Fin, Round Combustion Chamber 71mm Liner : Phosphated,water jacket Chromed.			TL 229.7 OD 154.0 FD 163.0 FH 11.8+1.7	<u>Piston Pin</u> OD 45.0 TL 108		

Suffix Code Piston **A**=Alfin **D**=Head Anodizing **M**=MoS2 Coating **N**=Nitrided **O**=Oil Gallery **T**=Tin Plating **TL**=Total Length
CH=Compression Height Piston Pin **OD**=Outer Diameter **TL**=Total Length Liner **C**=Chrome plating **F**=F/F **IH**=Induction Harden
N=Nitrided **P**=Phosphated **S**=S/F **U**=Copper plating **TL**=Total Length **OD**=Outer Diameter **FD**=Flange Diameter **FH**=Flange Height

Liner Kit For MITSUBISHI



Engine 8DC9 8 cyl.,16031cc Tractor FP215,FV215 Piston : Al-Fin, Round Combustion Chamber 75mm Liner : Fully finished,water jacket Chromed.	Bore 135mm	5A35E05 MFDKT5604	5L35E02-CF ME062602~4	5P35E05-A ME062408	5B35E01 ME062310 PP617LX4	5R35E04 ME062018 ME062230 R20043
			<u>Cylinder Liner</u>	<u>Piston</u>		<u>Piston</u>
			TL 259.7	TL 153.0		RN 3.306
			OD 154.0	CH 88.0		K
			FD 163.0	-26.0		3.0
			FH 11.8+1.7	<u>Piston Pin</u>		3.0
				OD 50.0	RN 6.0 FX	
				TL 112.0		

Engine 8DC9T 8 cyl.,16031cc Tractor FP215,FV215 Piston : Al-Fin, Round Combustion Chamber 77mm Liner : Fully finished,water jacket Chromed.	Bore 135mm	5A35E06 ME999435	5L35E02-CF ME062602~4	5P35E06-A ME062684 ME065579	5B35E01 ME062310 PP617LX4	5R35E04 ME062018 ME062230 R20043
			<u>Cylinder Liner</u>	<u>Piston</u>		<u>Piston</u>
			TL 259.7	TL 153.0		RN 3.306
			OD 154.0	CH 88.0		K
			FD 163.0			3.0
			FH 11.8+1.7	<u>Piston Pin</u>		3.0
				OD 50.0	RN 6.0 FX	
				TL 112.0		

Engine 8DC9T2-3V 8 cyl.,16031cc Piston : Al-Fin, Round Combustion Chamber 61mm Liner : Fully finished,water jacket Chromed.	Bore 135mm	5A35E07 MFKT9352600	5L35E02-CF ME062602~4	5P35E07-A ME093526	5B35E01 ME062310 PP617LX4	5R35E04 ME062018 ME062230 R20043
			<u>Cylinder Liner</u>	<u>Piston</u>		<u>Piston</u>
			TL 259.7	TL 150.0		RN 3.306
			OD 154.0	CH 88.0		K
			FD 163.0			3.0
			FH 11.8+1.7	<u>Piston Pin</u>		3.0
				OD 50.0	RN 6.0 FX	
				TL 112.0		

Suffix Code **Piston** A=Alfin D=Head Anodizing M=MoS2 Coating N=Nitrided O=Oil Gallery T=Tin Plating TL=Total Length
CH=Compression Height **Piston Pin** OD=Outer Diameter TL=Total Length **Liner** C=Chrome plating F=F/F IH=Induction Harden
N=Nitrided **P**=Phosphated **S**=S/F **U**=Copper plating **TL**=Total Length **OD**=Outer Diameter **FD**=Flange Diameter **FH**=Flange Height

Liner Kit For MITSUBISHI



Engine	Bore	5A35E08	5L35E02-CF	5P35E08-A	5B35E01	5R35E04
8DC9T2	135mm	MFKT9771400	ME062602~4	ME091311	ME062310 PP617LX4	ME062018 ME062230 R20043
8 cyl.,16031cc						
Piston : Al-Fin, Round Combustion Chamber 79mm Liner : Fully finished,water jacket Chromed.			<u>Cylinder Liner</u>	<u>Piston</u>		<u>Piston</u> Ring RN 3.306 K 3.0 3.0 RN 6.0 FX
			TL 259.7	TL 153.0		
			OD 154.0	CH 88.0		
			FD 163.0	<u>Piston Pin</u>		
			FH 11.8+1.7	OD 50.0		
				TL 112.0		

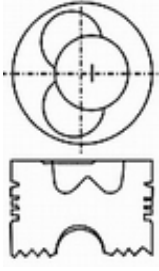
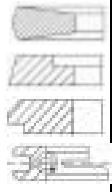
Engine	Bore	5A35E09	5L35E02-CF	5P35E09-A	5B35E01	5R35E04
8DC9T-3V	135mm	ME997720	ME062602~4	ME090167	ME062310 PP617LX4	ME062018 ME062230 R20043
8 cyl.,16031cc						
Piston : Al-Fin, Round Combustion Chamber 79mm Liner : Fully finished,water jacket Chromed.			<u>Cylinder Liner</u>	<u>Piston</u>		<u>Piston</u> Ring RN 3.306 K 3.0 3.0 RN 6.0 FX
			TL 259.7	TL 153.0		
			OD 154.0	CH 88.0		
			FD 163.0	<u>Piston Pin</u>		
			FH 11.8+1.7	OD 50.0		
				TL 112.0		

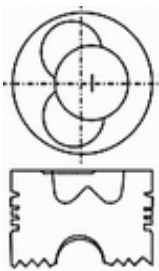
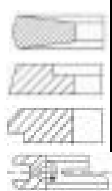
Engine	Bore	5A35E10	5L35E02-CF	5P35E10-A	5B35E01	5R35E04
8DC91	135mm	ME999507	ME062602~4	ME062336	ME062310 PP617LX4	ME062018 ME062230 R20043
8 cyl.,16031cc FP215,FV215	Tractor					
Piston : Al-Fin, Round Combustion Chamber 73mm Liner : Fully finished,water jacket Chromed.			<u>Cylinder Liner</u>	<u>Piston</u>		<u>Piston</u> Ring RN 3.306 K 3.0 3.0 RN 6.0 FX
			TL 259.7	TL 153.0		
			OD 154.0	CH 88.0		
			FD 163.0	-24.4		
			FH 11.8+1.7	OD 50.0		
				TL 112.0		


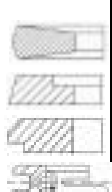
Suffix Code **Piston** A=Alfin D=Head Anodizing M=MoS2 Coating N=Nitrided O=Oil Gallery T=Tin Plating TL=Total Length
CH=Compression Height **Piston Pin** **OD**=Outer Diameter **TL**=Total Length **Liner** **C**=Chrome plating **F**=F/F **IH**=Induction Harden
N=Nitrided **P**=Phosphated **S**=S/F **U**=Copper plating **TL**=Total Length **OD**=Outer Diameter **FD**=Flange Diameter **FH**=Flange Height

Liner Kit For MITSUBISHI



<u>Engine</u> 8DC91T 8DC92A 8 cyl.,16031cc Truck:FT315,FV315,FU315,FS313,FP315,FW125 Bus:MS615 Piston : Al-Fin, Round Combustion Chamber 73mm Liner : Fully finished,water jacket Chromed.	<u>Bore</u> 135mm	5A35E11 ME997303	5L35E02-CF ME062602~4 <u>Cylinder Liner</u> TL 259.7 OD 154.0 FD 163.0 FH 11.8+1.7	5P35E11-A ME091048 <u>Piston</u> TL 153.2 CH 88.2 -24.3 <u>Piston Pin</u> OD 50.0 TL 112.0	5B35E01 ME062310 PP617LX4 	5R35E05 ME090578 R20044 <u>Piston Ring</u> RN 3.306 K 3.0 3.0 RN 4.0 FM 
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<u>Engine</u> 8DC91T 8 cyl.,16031cc Truck:FT315,FV315,FU315,FS313,FP315,FW125 Bus:MS615 Piston : Al-Fin, Round Combustion Chamber 77mm Liner : Fully finished,water jacket Chromed.	<u>Bore</u> 135mm	5A35E12 ME997134	5L35E02-CF ME062602~4 <u>Cylinder Liner</u> TL 259.7 OD 154.0 FD 163.0 FH 11.8+1.7	5P35E12-A ME091419 <u>Piston</u> TL 153.1 CH 88.2 -24.8 <u>Piston Pin</u> OD 50.0 TL 112.0	5B35E01 ME062310 PP617LX4 	5R35E05 ME090578 R20044 <u>Piston Ring</u> RN 3.306 K 3.0 3.0 RN 4.0 FM 
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<u>Engine</u> 8DC91TN-3V 8 cyl.,16031cc Truck:FT315,FV315,FU315,FS313,FP315,FW125 Bus:MS615 Piston : Al-Fin, Round Combustion Chamber 73mm Liner : Fully finished,water jacket Chromed.	<u>Bore</u> 135mm	5A35E13 ME997720	5L35E02-CF ME062602~4 <u>Cylinder Liner</u> TL 259.7 OD 154.0 FD 163.0 FH 11.8+1.7	5P35E13-A ME092922 <u>Piston</u> TL 153.1 CH 88.1 <u>Piston Pin</u> OD 50.0 TL 112.0	5B35E01 ME062310 PP617LX4 	5R35E05 ME090578 R20044 <u>Piston Ring</u> RN 3.306 K 3.0 3.0 RN 4.0 FM 
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Suffix Code Piston A=Alfin D=Head Anodizing M=MoS2 Coating N=Nitrided O=Oil Gallery T=Tin Plating TL=Total Length
CH=Compression Height Piston Pin OD=Outer Diameter TL=Total Length Liner C=Chrome plating F=F/F IH=Induction Harden
N=Nitrided P=Phosphated S=S/F U=Copper plating TL=Total Length OD=Outer Diameter FD=Flange Diameter FH=Flange Height

Liner Kit For MITSUBISHI



<u>Engine</u> 8DC93	<u>Bore</u> 135mm	5A35E14 ME996209	5L35E02-CF ME062602~4	5P35E14-A ME093424	5B35E01 ME062310 PP617LX4	5R35E05 ME090578 R20044
8 cyl.,16031cc Truck:FT315,FV315,FU315,FS313,FP315,FW125 Bus:MS615						
Piston : Al-Fin, Round Combustion Chamber 61mm Liner : Fully finished,water jacket Chromed.		<u>Cylinder Liner</u>		<u>Piston</u>		<u>Piston Ring</u>
		TL	259.7	TL	153.1	RN 3.306 K
		OD	154.0	CH	88.1	3.0
		FD	163.0	<u>Piston Pin</u>		3.0
		FH	11.8+1.7	OD	50.0	RN 4.0 FM
				TL	112.0	


<u>Engine</u> 8DC10	<u>Bore</u> 138mm	5A38E01 ME997029	5L38E01-CF ME062783	5P38E01-A ME091049	5B38E01 ME062310 PP617LX4	5R38E01 ME090582 ME997030 R20311
8 cyl.						
Piston : Alfin Round Combustion Chamber 74mm Liner :Fully-finished & water jacket Chromed.		<u>Cylinder Liner</u>		<u>Piston</u>		<u>Piston Ring</u>
		TL	259.7	TL	153.1	RN 3.306 K
		OD	154.0	CH	88.1	3.0
		FD	163.0	<u>Piston Pin</u>		3.0
		FH	11.8+1.7	OD	50.0	4.0 FM
				TL	112.0	


<u>Engine</u> 8DC11	<u>Bore</u> 142mm	5A42E01 ME997305	5L42E01-CF ME060439 ME060440 ME060441	5P42E01-A ME091050	5B38E01 ME062310 PP617LX4	5R42E01 ME090586 ME999990 R20047
8 cyl.,16752cc KS,FUSO,KC-FV						
Piston : Al-Fin, Round Combustion Chamber 75mm Liner : Phosphated,water jacket Chromed.		<u>Cylinder Liner</u>		<u>Piston</u>		<u>Piston Ring</u>
		TL	257.7	TL	153.1	RN 3.306 K
		OD	154.0	CH	88.1 -1.6	3.0
		FD	163.0		-25.3	3.0
		FH	201.3+1.7	<u>Piston Pin</u>		4.0 FM
			7	OD	50.0	
				TL	112.0	


Suffix Code Piston **A**=Alfin **D**=Head Anodizing **M**=MoS2 Coating **N**=Nitrided **O**=Oil Gallery **T**=Tin Plating **TL**=Total Length
CH=Compression Height Piston Pin **OD**=Outer Diameter **TL**=Total Length Liner **C**=Chrome plating **F**=F/F **IH**=Induction Harden
N=Nitrided **P**=Phosphated **S**=S/F **U**=Copper plating **TL**=Total Length **OD**=Outer Diameter **FD**=Flange Diameter **FH**=Flange Height

Liner Kit For MITSUBISHI



<u>Engine</u> 8DC11 8 cyl.,16752cc KS,FUSO,KC-FV Piston : Al-Fin, Round Combustion Chamber 63mm Liner : Phosphated,water jacket Chromed.	<u>Bore</u> 142mm	5A42E02 ME996210	5L42E01-CF ME060439 ME060440 ME060441	5P42E02-A ME093426	5B38E01 ME062310 PP617LX4	5R42E01 ME090586 ME999990 R20047
			<u>Cylinder Liner</u> TL 257.7 OD 154.0 FD 163.0 FH 201.3+1.7	<u>Piston</u> TL 153.1 CH 88.1		<u>Piston Ring</u> RN 3.306 K 3.0 3.0 4.0 FM
				<u>Piston Pin</u> OD 50.0 TL 112.0		

<u>Engine</u> 8DC11-3V 8 cyl.,16752cc KS,FUSO,KC-FV Piston : Al-Fin, Round Combustion Chamber 63mm Liner : Phosphated,water jacket Chromed.	<u>Bore</u> 142mm	5A42E03 MHKT9342700	5L42E01-CF ME060439 ME060440 ME060441	5P42E03-A ME093427	5B38E01 ME062310 PP617LX4	5R42E01 ME090586 ME999990 R20047
			<u>Cylinder Liner</u> TL 257.7 OD 154.0 FD 163.0 FH 201.3+1.7	<u>Piston</u> TL 153.1 CH 88.1		<u>Piston Ring</u> RN 3.306 K 3.0 3.0 4.0 FM
				<u>Piston Pin</u> OD 50.0 TL 112.0		

<u>Engine</u> 8DC11-3V 8 cyl.,16752cc KS,FUSO,KC-FV Piston : Al-Fin, Round Combustion Chamber 75mm Liner : Phosphated,water jacket Chromed.	<u>Bore</u> 142mm	5A42E04 ME999989	5L42E01-CF ME060439 ME060440 ME060441	5P42E04-A ME090165	5B38E01 ME062310 PP617LX4	5R42E01 ME090586 ME999990 R20047
			<u>Cylinder Liner</u> TL 257.7 OD 154.0 FD 163.0 FH 201.3+1.7	<u>Piston</u> TL 153.1 CH 88.1		<u>Piston Ring</u> RN 3.306 K 3.0 3.0 4.0 FM
				<u>Piston Pin</u> OD 50.0 TL 112.0		

Suffix Code Piston A=Alfin D=Head Anodizing M=MoS2 Coating N=Nitrided O=Oil Gallery T=Tin Plating TL=Total Length
CH=Compression Height Piston Pin OD=Outer Diameter TL=Total Length Liner C=Chrome plating F=F/F IH=Induction Harden
N=Nitrided P=Phosphated S=S/F U=Copper plating TL=Total Length OD=Outer Diameter FD=Flange Diameter FH=Flange Height

Liner Kit For MITSUBISHI



Engine	Bore	5A46E01	5L46E01	5P46E01-A	5B46E01	5R46E01
8M20	146mm	ME997879	ME161018	ME160286		ME996163 R20855
8 cyl.,20080cc Tadano Crane:OC-160M-2-00003 Truck:FV511						
Piston : Al-Fin, Round Combustion Chamber 77mm Liner : Fully finished,water jacket Chromed.		<u>Cylinder Liner</u>		<u>Piston</u>		<u>Piston Ring</u>
		TL		TL	147.7	RN 3.306
		OD		CH	82.7	K
		FD		<u>Piston Pin</u>		3.0
		FH		OD	50.0	3.0
				TL	112.0	RN 4.0 SM

Engine	Bore	5A46E02	5L46E01	5P46E02-A	5B46E01	5R46E02
8M20	146mm		ME161018	ME163189		
8 cyl.,20080cc Tadano Crane:OC-160M-2-00003 Truck:FV511,FV411						
Piston : Al-Fin, Liner : Fully finished,water jacket Chromed.		<u>Cylinder Liner</u>		<u>Piston</u>		<u>Piston Ring</u>
		TL		TL	147.6	
		OD		CH	82.6	
		FD		<u>Piston Pin</u>		
		FH		OD	55.0	
				TL		

Engine	Bore	5A50E01	5L50E01	5P50E01-A	5B46E01	5R50E01
8M21	150mm			ME161300		
8 cyl., cc						
Piston : Al-Fin, Liner : Fully finished,water jacket Chromed.		<u>Cylinder Liner</u>		<u>Piston</u>		<u>Piston Ring</u>
		TL		TL	147.7	
		OD		CH	82.7	
		FD		<u>Piston Pin</u>		
		FH		OD	50.0	
				TL		

Suffix Code **Piston** A=Alfin D=Head Anodizing M=MoS2 Coating N=Nitrided O=Oil Gallery T=Tin Plating TL=Total Length
CH=Compression Height **Piston Pin** OD=Outer Diameter TL=Total Length **Liner** C=Chrome plating F=F/F IH=Induction Harden
N=Nitrided **P**=Phosphated **S**=S/F **U**=Copper plating **TL**=Total Length **OD**=Outer Diameter **FD**=Flange Diameter **FH**=Flange Height



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