

PERKINS



ENGINE: 4.203.2 Diesel

BORE: 3.602"	4 Cyl	Diesel	Notes: Flanged Cast Liner, 35° Valves, 4 Ring Piston, Re-Entrant Bowl, Industrial Sump
APPLICATION: Forklifts: Allis Chalmers (JG70073, JG70074, JG80031) Caterpillar (JG70020, JG70092, JG70162)			
Forklifts: Clark (JG31037, JG70074, JG70099, JG70100, JG70143)			
Forklifts: Hyster (JG70040, JG70076, JG70112, JG70113, JG80023) Yale (JG31037, JG31042, JG70037)			
Industrial Engines: 4.203.2 (JG30052) Skid Loaders: L779, L783, L785 New Holland (JG70043, JG70156)			

	QTY	ITEM #	DESCRIPTION	LETTERED ITEMS INCLUDED IN KIT				
	1	974121	In-Frame Kit					I
	1	975121	Out-of-Frame Kit				O	
	1	976121	Major Kit			M		
	1	977121	Premium Kit (Valve Train Kit Included)		P			
	4	171163	Sleeve & Piston Assembly (Topped Piston / Finished Liner)	P	M	O	I	
	4	171164	Piston Kit (Topped w/Pin & Rings) (1)					
	4	171232	Piston Assembly (Topped) (2)					
	4	171129	STD Cylinder Liner (Finished/Slip Fit) (3)					
	4	171211	STD Cylinder Liner (Semi-Finished/Press Fit) (4)					
	4	171429	.005 Liner Shim					
	4	171279	Piston Ring Set (3-3/32 1-3/16)					
	4	271231	STD Rod Bearing	P	M	O	I	
	4	271232	.010 Rod Bearing					
	4	271233	.020 Rod Bearing					
	4	271234	.030 Rod Bearing					
	4	271235	.040 Rod Bearing					
	4	271236	.050 Rod Bearing					
	4	271237	.060 Rod Bearing					
	1	271181	STD Main Bearing Set, wo/Thrust Washers	P	M	O	I	
	1	271182	.010 Main Bearing Set, wo/Thrust Washers					
	1	271183	.020 Main Bearing Set, wo/Thrust Washers					
	1	271184	.030 Main Bearing Set, wo/Thrust Washers					
	1	271185	.040 Main Bearing Set, wo/Thrust Washers					
	1	271186	.050 Main Bearing Set, wo/Thrust Washers					
	1	271187	.060 Main Bearing Set, wo/Thrust Washers					
	1	271111	STD Thrust Washer Set (Centered Lug)	P	M	O	I	
	1	271131	.005 Thrust Washer Set (Centered Lug)					
	1	271132	.007 Thrust Washer Set (Centered Lug)					
	1	271133	.010 Thrust Washer Set (Centered Lug)					
	1	371246	Head Gasket Set "Head Gasket - 371242"	P	M	O	I	
	1	371153	Valve Cover Gasket "Bolt Seal - 371247"					
	4	371158	Intake Valve Seal "Not Included In Gasket Sets Or Kits"					
	4	371173	Nozzle Dust Seal "Not Included In Gasket Sets Or Kits"					
	1	371237	Lower Gasket Set wo/Seals	P	M	O		
	1	371235	Fuel Line Seal Kit (23 Seals & Washers) "Not In Gkt Sets"	P	M	O		
	1	371238	Pan Gasket Set (Industrial Pan Not Bolted To Timing Cover)				I	
	1	371233	Front Crank Seal	P	M	O		
	1	371145	Rear Crank Seal (Viton Lip Type)	P	M	O		
	4	271175	Pin Bushing	P	M			
	1	271189	Cam Bearing	P	M			
	8	771153	Connecting Rod Bolt	P	M			
	8	771152	Connecting Rod Nut	P	M			
	1	771227	Head Stud/Bolt & Nut Kit					

(1)Untopped Piston Kit - 171444 (2)Untopped Piston Assembly - 171443 (3)Oversize Finished Liners: .010 - 171356 / .030 - 171357

(4)Oversize Semi-Finished Liners: .010 - 171139 / .030 - 171212 / .050 - 171112 / .100 - 171213

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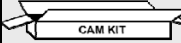
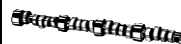
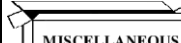
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	QTY	ITEM #	DESCRIPTION	LETTERED ITEMS INCLUDED IN KIT			
	1	979511	Camshaft Kit				C
	1	979123	Valve Train Kit (35° Valves)			V	
	1	571136	Camshaft				C
	1	571137	Camshaft Thrust Plate				
	8	571125	Tappet, wo/Adjusting Screw				C
	8	571138	Adjusting Screw (5)				
	4	471124	Exhaust Valve (1.320 Hd Dia / 4.505 OAL / 35°)			V	
	4	471184	Intake Valve, Chrome Stem (1.535 Hd Dia / 4.505 OAL / 35°)			V	
	4	471127	Exhaust Valve Guide (2.440" OAL)			V	
	4	471152	Intake Valve Guide (2.220" OAL)			V	
	8	471138	Outer Valve Spring			V	
	4	471139	Inner Valve Spring, Intake Only			V	
	4	471179	Exhaust Spring Seat, Single Spring				
	4	471185	Intake Spring Seat, Dual Spring				
	8	471167	Spring Retainer				
	16	471168	Keeper (Half)			V	
	4	471182	Exhaust Seat (1.203 x 1.681 x .312)				
	4	401197	Intake Seat (1.406 x 1.875 x .219)				
	4	471173	LH Rocker Arm				
	4	471174	RH Rocker Arm				
	1	471175	Rocker Arm Shaft (6) (7)				
	1	571141	Cam Gear (52 Teeth)				
	1	571127	Crank Gear (26 Teeth)				
	1	571147	Upper Idler Gear (43 Teeth)				
	1	571143	Lower Idler Gear				
	4	571144	Idler Gear Bushing				
	2	571145	Idler Gear Hub				
	1	671111	Oil Pump (Idler Gear Not Included)				
	1	671133	Oil Pump Idler Gear				
	1	671137	Oil Pump Idler Gear Bushing				
	1	771163	Crankshaft (Spline Nose / Lip Seal)				
	1	771192	Crank Kit (Spline Nose / Lip Seal)				
	4	771158	Connecting Rod				
	1	771229	Cylinder Head Asb: JG70156 Thru U597539M; JG70162				
	1	771228	Cylinder Head Asb: Except Above				
	1	771218	Expansion Plug Kit (Includes 13 Plugs For Head & Block)				
	1	871162	Thermostat, Except JG31042 Uses 871138				
	1	871179	New Water Pump wo/Pulley, Except JG31037, JG70143				
	1	871184	New Water Pump wo/Pulley, JG31037, JG70143				
	1	871182	Manifold Heater Plug, Except Skidloaders (Blade Terminal)				
	1	871174	Manifold Heater Plug, Except Skidloaders (Screw Type)				
	2	871183	Manifold Heater Plug, Skidloaders (Stud Type)				
	1	871181	Fuel Pump (4 Bolt Mounting / No Fuel Bowl)				

(5)Adjusting Screw Lock Nut - 571139

(6)Rocker Arm Shaft Plug - 471176

(7)Rocker Arm Shaft Snap Ring - 471177

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