

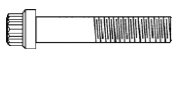
PERKINS



ENGINE: D4.203 Diesel
Direct Injection Thru U589378L

BORE: 3.602" 4 Cyl Diesel Cast Liner, .150" Flange, 35° Valves, 5 Ring Piston, Mexican Hat Bowl, Industrial Sump

APPLICATION: Air Compressors: Sullair With D4.203 (JE70033);
Forklifts: Allis Chalmers 706B (JE70033), 644;
Industrial Engines: D4.203 (JE33174); Wheel Loaders: Allis Chalmers 640 (JE70042);

	QTY	ITEM #	DESCRIPTION	LETTERED ITEMS INCLUDED IN KIT				
	1	974215	In-Frame Kit					I
	1	975215	Out-of-Frame Kit				O	
	1	976215	Major Kit			M		
	1	977215	Premium Kit (Valve Train Kit Included)		P			
	4	171114	Sleeve & Piston Assembly (Topped Piston / Finished Liner)		P	M	O	I
	4	171143	Piston Kit (Topped w/Pin & Chrome Rings) (1)					
	4	171195	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	171261	Piston Ring Set, Chrome (2-3/32 1-1/8 2-1/4)					
	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	
	1	301143	Rear Crank Wear Sleeve					
	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: Except JE70042 (5)					

(1)Untopped Piston Kit - 171439 (2)Untopped Piston Assembly - 171438 (3)Oversize Finished Liners: .010 - 171356 / .030 - 171357

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

(5)JE70042 Uses 771225

PK-203-M

10/15/2006

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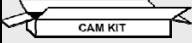
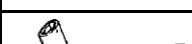
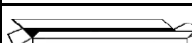
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	QTY	ITEM #	DESCRIPTION	LETTERED ITEMS INCLUDED IN KIT				
	1	979511	Camshaft Kit					C
	1	979122	Valve Train Kit (35° Valves)				V	
	1	571136	Camshaft					C
	1	571137	Camshaft Thrust Plate					
	8	571125	Tappet, wo/Adjusting Screw					C
	8	571138	Adjusting Screw (6)					
	4	471124	Exhaust Valve (1.320 Hd Dia / 4.505 OAL / 35°)				V	
	4	471125	Intake Valve (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 (7) (8)					
	1	471178	Rocker Arm Oil Line Assembly					
	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	771226	Cylinder Head Assembly (Incls Valves & Springs)					
	1	771218	Expansion Plug Kit (Includes 13 Plugs For Head & Block)					
	1	871162	Thermostat					
	1	871179	New Water Pump wo/Pulley					
	1	871182	Manifold Heater Plug (Blade Terminal)					
	1	871174	Manifold Heater Plug (Screw Type)					
	1	871181	Fuel Pump (4 Bolt Mounting / No Fuel Bowl)					

(6)Adjusting Screw Lock Nut - 571139

(7)Rocker Arm Shaft Plug - 471176

(8)Rocker Arm Shaft Snap Ring - 471177

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