

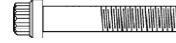
PERKINS



ENGINE: 3.152 Diesel
Indirect Injection (Regular)

BORE: 3.602" 3 Cyl Diesel NOTES: Cast Liner, .150" Flange, Flat Top Piston, 15 Head Studs, Vertical Nozzles

APPLICATION: Forklifts: Unknown (CD22096); Welders: Unknown (CD20691);
Industrial Engines: 3.152 (CD00204, CD00228, CD00229, CD00230)

	QTY	ITEM #	DESCRIPTION	LETTERED ITEMS INCLUDED IN KIT				
								
	3	171113	Sleeve & Piston Assembly (Topped Piston / Finished Liner)					
	3	171142	Piston Kit (Topped w/Pin & Chrome Rings) (1)					
	3	171223	Piston Assembly (Topped) (2)					
	3	171129	STD Cylinder Liner (Finished/Slip Fit) (3)					
	3	171211	STD Cylinder Liner (Semi-Finished/Press Fit) (4)					
	3	171429	.005 Liner Shim					
	3	171261	Piston Ring Set, Chrome (2-3/32 1-1/8 2-1/4)					
	3	271231	STD Rod Bearing					
	3	271232	.010 Rod Bearing					
	3	271233	.020 Rod Bearing					
	3	271234	.030 Rod Bearing					
	3	271235	.040 Rod Bearing					
	3	271236	.050 Rod Bearing					
	3	271237	.060 Rod Bearing					
	1	271251	STD Main Bearing Set, Thru U983573C (Full Groove) (5)					
	1	271252	.010 Main Bearing Set, Thru U983573C (Full Groove) (5)					
	1	271253	.020 Main Bearing Set, Thru U983573C (Full Groove) (5)					
	1	271254	.030 Main Bearing Set, Thru U983573C (Full Groove) (5)					
	1	271255	.040 Main Bearing Set, Thru U983573C (Full Groove)					
	1	271256	.050 Main Bearing Set, Thru U983573C (Full Groove)					
	1	271257	.060 Main Bearing Set, Thru U983573C (Full Groove)					
	1	271111	STD Thrust Washer Set (.122" Thick) (6)					
	1	271131	.005 Thrust Washer Set (.127" Thick) (6)					
	1	271132	.007 Thrust Washer Set (.129" Thick) (6)					
	1	271133	.010 Thrust Washer Set (.132" Thick) (6)					
	1	371258	Head Gasket Set					
	1	371259	Head Gasket					
	1	371261	Valve Cover Gasket					
	1	371264	Lower Gasket Set w/Seals (Incls Aux Drive Cover Gasket)					
	1	371235	Fuel Line Seal Kit (23 Seals & Washers) "Not In Gkt Sets"					
	1	371255	Pan Gasket Set					
	1	371233	Front Crank Seal					
	1	371185	Rear Crank Seal Kit, Thru U21038C (Rope Type)					
	1	771162	Rear Crank Seal Housing, Thru U21038C (Rope Type)					
	1	371145	Rear Crank Seal, After U21038C (Viton Lip Type)					
	3	271175	Pin Bushing					
	1	271196	Cam Bearing					
	6	771153	Connecting Rod Bolt					
	6	771152	Connecting Rod Nut					
	1	771247	Head Stud/Bolt & Nut Kit, Except CD20691					

(1)Untopped Piston Kit - 171435 (2)Untopped Piston Assembly - 171432 (3)Oversize Finished Liners: .010 - 171356 / .030 - 171357

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

(5)Half Groove Main Sets After U983573C: STD - 271225 / .010 - 271226 / .020 - 271227 / .030 - 271228

(6)Other Sizes Available

PK-152-F

12/10/2006

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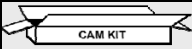
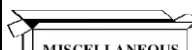
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Industrial Engines: 3.152 (CD00204, CD00228, CD00229, CD00230)

	QTY	ITEM #	DESCRIPTION	LETTERED ITEMS INCLUDED IN KIT				
	1	979512	Camshaft Kit					C
	1	979114	Valve Train Kit					V
	1	571115	Camshaft					C
	1	571154	Camshaft Thrust Spring					
	6	571125	Tappet, wo/Adjusting Screw					C
	6	571138	Adjusting Screw (7)					
	3	471121	Exhaust Valve (1.319 Hd Dia / 4.504 OAL / 45°) (8)				V	
	3	471117	Intake Valve (1.535 Hd Dia / 4.504 OAL / 45°)				V	
	6	471127	Valve Guide				V	
	6	471138	Outer Valve Spring				V	
	6	471139	Inner Valve Spring "Not Used On Most Applications"				V	
	6	471166	Spring Seat, Dual Spring				V	
	6	471179	Spring Seat, Single Spring				V	
	6	471167	Spring Retainer				V	
	12	471168	Keeper (Half)				V	
	3	471171	Exhaust Seat, Stepped OEM (1.188 x 1.625 x .250 x 45°)					
	3	401132	Exhaust Seat (1.188 x 1.437 x .219 x 45°)					
	3	471172	Intake Seat, Stepped OEM (1.375 x 1.875 x .250 x 45°)					
	3	401128	Intake Seat (1.375 x 1.625 x .219 x 45°)					
	3	471173	LH Rocker Arm					
	3	471174	RH Rocker Arm					
	1	471189	Rocker Arm Shaft (9) (10) (11)					
	1	571128	Cam Gear (50 Teeth)					
	1	571121	Crank Gear (25 Teeth)					
	1	571118	Idle Gear (90 Teeth) (12)					
	1	671118	Oil Pump (Idle Gear Not Included)					
	1	671116	Oil Pump Idle Gear (21 Teeth)					
	1	671136	Oil Pump Idle Gear Bushing					
	1	771125	Crankshaft Kit, Thru U21038C (Keyed Nose / Rope Seal)					
	1	771241	Crankshaft Kit, Thru U21038C (Splined Nose / Rope Seal)					
	1	771126	Crankshaft Kit, After U21039C (Keyed Nose / Lip Seal)					
	1	771243	Crankshaft Kit, U21039C-U983573C (Splined Nose/Lip Seal)					
	1	771245	Crankshaft Kit, After U983573C (Splined Nose / Lip Seal)					
	1	771235	Balance Weight Bolt Kit (4-2.375" Bolts, 4-Special Washers)					
	3	771157	Connecting Rod					
	1	771143	Cylinder Head Assembly, Except CD00204 & CD20691					
	1	771248	Expansion Plug Kit (Includes 16 Plugs For Head & Block)					
	1	771191	Timing Gear Case Bridge Piece					
	1	871162	Thermostat					
	1	871195	Water Pump wo/Pulley, Except CD20691 (13)					
	1	871174	Manifold Heater Plug (Screw Type) "Blade Type - 871182"					
	3	871175	Pre-Combustion Chamber, Except CD00204 & CD20691					
	1	871164	Fuel Pump, Thru U635848G Exc CD00204 (2 Bolt w/Bowl)					
	1	871196	Fuel Pump, After U635848G Exc CD00204 (4 Bolt)					

(7)Adj Screw Lock Nut - 571139 (8)Bi-Metal Valve - 471169 (9)Rocker Arm Shaft Plug - 471176 (10)Shaft Snap Ring - 471177

(11)Oil Line Assembly - 471183

(12)Idle Gear Hub - 571153

(13)Water Pump For CD20691 - 871155

PK-152-F

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