

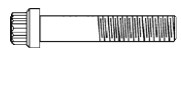
PERKINS



ENGINE: 4.248.2 Diesel
Thru U108196N

BORE: 3.979" 4 Cyl Diesel Notes: Flanged Liners w/Fire Dam, Industrial Block, 4 Bolt Balancer

APPLICATION: Forklifts: Clark C500YS60-100 (LG70103); C500Y110-155 (LG70104);
Forklifts: Yale Unknown (LG70068);

	QTY	ITEM #	DESCRIPTION	LETTERED ITEMS INCLUDED IN KIT				
	1	974247	In-Frame Kit					I
	1	975247	Out-of-Frame Kit				O	
	1	976247	Major Kit			M		
	1	977247	Premium Kit (979139 Valve Train Kit Included)		P			
	4	171373	Sleeve & Piston Asb (Re-entrant Bowl / Anodized / Grade L)		P	M	O	I
	4	171234	Piston Assembly (Re-entrant Bowl / Anodized / Grade L) (1)					
	4	171132	Cylinder Liner (Finished / Fire Dam / 4.1025" OD)					
	4	171217	Cylinder Liner (Semi-Finished / Fire Dam / 4.1045" OD) (2)					
	4	171468	005 Liner Shim					
	4	171265	Piston Ring Set, 3 Ring Upgrade (2-2.5MM 1-5MM)					
	4	271151	STD Rod Bearing		P	M	O	I
	4	271152	.010 Rod Bearing					
	4	271153	.020 Rod Bearing					
	4	271154	.030 Rod Bearing "Additional Sizes (5)"					
	1	271161	STD Main Set, wo/Thrust Washers		P	M	O	I
	1	271162	.010 Main Set, wo/Thrust Washers					
	1	271163	.020 Main Set, wo/Thrust Washers					
	1	271164	.030 Main Set, wo/Thrust Washers "Additional Sizes (6)"					
	1	271119	STD Thrust Washer Set (Offset Lug)		P	M	O	I
	1	271125	.007 Thrust Washer Set (Offset Lug)					
	1	271126	.010 Thrust Washer Set (Offset Lug)					
	1	371478	Head Gasket Set (Valve Cover Bolts Thru Center Of Cover)		P	M	O	I
	1	371116	Head Gasket					
	1	371477	Valve Cover Gasket (No Bolt Holes In Gasket)					
	8	371143	Valve Seal (Umbrella)					
	8	371192	Valve Seal (O-Ring)					
	4	371318	Nozzle Dust Seal Kit "Not In Sets Or Kits"					
	1	371292	Lower Gasket Set wo/Seals		P	M	O	
	1	371149	Timing Cover Gasket					
	1	371235	Fuel Line Seal Kit (23 Seals & Washers) "Not In Gkt Sets"		P	M	O	
	1	371282	Pan Gasket, Steel Pan					I
	1	371146	Front Crank Seal (Viton Lip Type) (7)		P	M	O	
	1	371145	Rear Crank Seal (Viton Lip Type) (8)		P	M	O	
	1	771159	Rear Block Bridge Piece					
	4	271176	Pin Bushing (1.375" Pin)		P	M		
	1	271127	Cam Bearing (Finished ID)		P	M		
	8	771151	Connecting Rod Bolt		P	M		
	8	771148	Connecting Rod Nut		P	M		
	1	771322	Head Stud/Bolt/Nut Kit: LG70104 (4 Studs/18 Bolts)					
	1	771282	Head Stud/Bolt/Nut Kit: (9) Thru U874811J (2 Studs/20 Bolts)					
	1	771292	Head Bolt Kit: (9) After U874811J (22 Bolt / .125" Blk CB)					

(1)Grade H Piston - 171483 (Anodized Piston - **DO NOT TOP**)

(2).020 Oversize Semi-Finished Liner - 171478

(5)Rod Bearings: .040 - 271155 / .050 - 271156 / .060 - 271157

(6)Main Bearings: .040 - 271165 / .050 - 271166 / .060 - 271167

(7)Wear Sleeve - 301115

(8)Lip Seal Housing Gasket - 371187 / Wear Sleeve - 301143

(9)LG70068, LG70103

PK-248-22

5/20/2008

CLICK THE ITEM # TO VIEW OR PURCHASE PART

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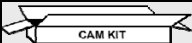
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	1	979517	Camshaft Kit					C
	1	979143	Valve Train Kit				V	
	1	979139	Valve Train Kit, w/Guides				V	
	1	571114	Camshaft "Cam Bolt Lock Plate - 571162"					C
	1	271249	Camshaft Thrust Washer (1.750 X 2.873 X .217)					
	8	571123	Tappet					C
	4	471123	STD Exhaust Valve (45° / Bi-Metal) (10)		V		V	
	4	471128	STD Intake Valve (45° / Alloy / Chromed Stem) (11)		V		V	
	4	471132	Exhaust Guide: Service Repair		V			
	4	471131	Intake Guide: Service Repair		V			
	8	471134	Outer Valve Spring (8 Coils / 2.500" Free Length)		V		V	
	8	471133	Inner Valve Spring (9 Coils / 2.000" Free Length)		V		V	
	8	471219	Spring Seat, Integral Guides "With Service Guides - 471229"		V			
	8	471222	Spring Retainer					
	16	471146	Keeper (Half)		V		V	
	4	471111	Exhaust Seat (1.248 x 1.681 x .374 Stepped Top)					
	4	471113	Intake Seat (1.594 x 2.020 x .281)					
	4	471224	LH Rocker Arm (Adj Screw & Lock Nut Not Included) (12)					
	4	471225	RH Rocker Arm (Adj Screw & Lock Nut Not Included) (12)					
	1	471227	Rocker Arm Shaft (13) "Includes 471176 Plugs"					
	1	571112	Cam Gear: LG70104 (Cast / 56 Teeth)					
	1	571165	Cam Gear: LG70068, LG70103 (Steel / 56 Teeth)					
	1	571113	Crank Gear: LG70104 (28 Teeth)					
	1	571166	Crank Gear: LG70068, LG70103 (Steel / 28 Teeth)					
	1	571163	Idle Gear: LG70104 (Steel / 63T) (14)					
	1	571167	Idle Gear: LG70068, LG70103 (Steel / 63 Teeth) (15)					
	8	571117	Push Rod					
	1	671142	Oil Pump Kit (Gears,Shaft,Plate,Valve,Spring,Cap,Gkts)					
	1	671143	Oil Pump Body, w/LH Oil Filter (Cast Gear Housing)					
	1	671146	Oil Pump Inlet Strainer					
	1	771132	Crank Kit (Spline Nose / Lip Seal)					
	4	771154	Connecting Rod (1.375" Pin)					
	1	771264	Cylinder Head Assembly (Includes Valves & Springs)					
	1	771286	Expansion Plug Kit (Includes 19 Plugs For Head & Block)					
	1	771164	Balancer Assembly, Engines w/LH Oil Filter (Incls Oil Pump)					
	1	771165	Balancer Kit (3-Shafts 2-Gears 2-Keys 4-Brgs)					
	2	771197	Balancer Gear (3 Bolt / 1.375 ID / 30T)					
	1	871162	Thermostat: LG70068 (2.125")					
	1	871222	Thermostat: LG70103, LG70104 (2.125" / Vented)					
	1	871147	Water Pump w/Pulley: LG70068					
	1	871216	Water Pump w/Pulley: LG70103, LG70104					
	1	871228	Block Heater (1.250")					
	1	871182	Manifold Heater Plug (Blade Terminal) "Screw Type-871174"					
	1	871152	Fuel Pump, Late (4 Bolt)					

(10)Oversizes: .003 - 471271 / .015 - 471272 / .030 - 471273

(11)Oversizes: .003 - 471274 / .015 - 471275 / .030 - 471276

(12)Adj Screw - 471226 / Lock Nut - 571139 (13)Snap Ring - 471228 (14)Includes 2 Bush - 571144 (15)Needle Bearings - 571168

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