

PERKINS



ENGINE: 1004-4
4.40

BORE: 3.938"	4 Cyl	Diesel	Notes: Natural Aspirated, Gear Driven Water Pump, Quadram Piston, Has Balancer
APPLICATION: Forklifts: Clark C500Y110, C500Y120, C500Y130, C500Y135, C500Y150, C500Y155 (AA70370);			

	QTY	ITEM #	DESCRIPTION	LETTERED ITEMS INCLUDED IN KIT				
	1	974411	In-Frame Kit					I
	1	975411	Out-of-Frame Kit			O		
	1	976411	Major Kit				M	
	1	977411	Premium Kit (979149 Dual Spring Valve Train Kit Included)		P			
	4	171172	Sleeve & Piston Assembly, 1st Design		P	M	O	I
	4	171386	Sleeve & Piston Assembly, 2nd Design					
	4	171173	Piston Kit, 1st Design (Includes Rings)					
	4	171395	Piston Kit, 2nd Design (Includes Rings)					
	4	171266	Cylinder Liner (Flange/Finished/No Fire Dam/4.1035" OD) (1)					
	4	171365	Cylinder Liner (Flange/Semi-Finished/No FD/4.1055" OD) (2)					
	4	171468	005 Liner Shim					
	4	171193	Piston Ring Set (2-2.5MM 1-4MM) (3)					
	4	171412	Piston Ring Set (2-2.5MM 1-4MM) (4)					
	4	271261	STD Rod Bearing		P	M	O	I
	4	271262	.010 Rod Bearing					
	4	271263	.020 Rod Bearing					
	4	271264	.030 Rod Bearing					
	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	371377	Head Gasket Set		P	M	O	I
	1	371155	Head Gasket					
	1	371218	Valve Cover Gasket (Aluminum Cover)					
	1	371221	Valve Cover Gasket (Composite Cover)					
	8	371143	Valve Seal					
	1	371394	Lower Gasket Set wo/Seals		P	M	O	
	1	371393	Timing Cover Gasket					
	1	371167	Pan Gasket Set (Incls 6 Flange Gkts)					I
	1	371282	Pan Gasket: AA70370 (Steel Pan)					I
	1	371146	Front Crank Seal (Viton Lip Type) (7)		P	M	O	
	1	371145	Rear Crank Seal, Thru U176356H (Viton Lip Type) (8)		P	M	O	
	1	371297	Rear Crank Seal & Housing, After U176356H (9) (10)					
	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	771319	Head Bolt Kit (22 Bolts)					

(1).010 OS Finished Liner - 171267 (2).020 OS Semi-Finished Liner - 171516 (3)Use w/1st Design Piston U5LL0010/15/17
 (4)Use w/2st Design Piston U5LL0021 (6)Main Bearings: .040 - 271165 / .050 - 271166 / .060 - 271167 (7)Wear Sleeve - 301115
 (8)Lip Seal Housing Gasket - 371187 / Wear Sleeve - 301143 (9)Wear Sleeve - 371366 (10)Not Included In Engine Kits

PK-243-B

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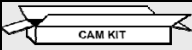
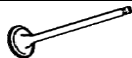
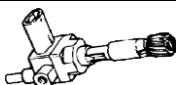
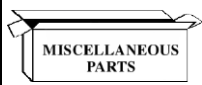
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APPLICATION: Forklifts: Clark C500Y110, C500Y120, C500Y130, C500Y135, C500Y150, C500Y155 (AA70370);			

	QTY	ITEM #	DESCRIPTION	LETTERED ITEMS INCLUDED IN KIT				
	1	979523	Camshaft Kit					C
	1	979148	Valve Train Kit: Low Speed Engines (Heads w/Single Springs)		V			
	1	979149	Valve Train Kit: High Speed Engines (Heads w/Dual Springs)		V			
	1	571129	Camshaft					C
	1	271249	Thrust Washer					
	8	571123	Tappet					C
	4	471129	Exhaust Valve (45° / 37.5MM Hd Dia)		V		V	
	4	471115	Intake Valve (45° / 45.0MM Hd Dia)		V		V	
	4	471132	Exhaust Guide		V		V	
	4	471131	Intake Guide		V		V	
	8	471145	Single Valve Spring (6 Coils / 2.0" Free Length)				V	
	8	471144	Outer Valve Spring (8 Coils / 1.8" Free Length)		V			
	8	471143	Inner Valve Spring (9 Coils / 1.7" Free Length)		V			
	8	471229	Spring Seat (Stepped/.640" ID)					
	16	471146	Keeper (Half)		V		V	
	4	471288	Exhaust Seat (1.290 x 1.681 x .374 Stepped Top)					
	4	471289	Intake Seat (1.584 x 2.019 x .285)					
	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	571172	Cam Gear (Cast / 56 Teeth)					
	1	571217	Crank Gear (Steel / 28 Teeth / 1.635" Wide)					
	1	571186	Idler Gear (Steel / 63Teeth) (14)					
	8	571117	Push Rod					
	1	671122	Oil Pump					
	1	771296	Balancer/Pump Drive Kit (Gear/Shaft Asb, Drv Gear, 2-Brgs)					
	4	671157	Piston Cooling Jet					
	4	671158	Piston Cooling Check Valve					
	1	771181	Crank Kit (Spline Nose / Lip Seal)					
	4	771154	Connecting Rod (1.375" Pin)					
	1	771358	Cylinder Head Assembly (Includes Valves & Springs)					
	1	771359	Expansion Plug Kit (20 Head & Block Plugs)					
	1	771376	Balancer Assembly, Engine w/RH Oil Filter (Incls Oil Pump)					
	1	771318	Balancer Idler Gear "Needle Bearing Assembly - 771298"					
	4	771171	Balancer Weight Bushings					
	1	871138	Thermostat (2.125" / Bypass)					
	1	871274	Bypass Hose Kit					
	1	871163	Water Pump					
	1	871182	Manifold Heater Plug (Blade Terminal)					
	1	871255	Fuel Pump					

(12)Adjusting Screw-471226 / Lock Nut - 571139

(13)Rocker Arm Shaft Snap Ring - 471228

(14)Includes 2 Bushings - 571144

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