

PERKINS



ENGINE: 1004-4T
T4.40

BORE: 3.938" 4 Cyl Diesel Notes: Turbocharged, Gear Driven Water Pump, Anodized Quadram Piston, No Balancer

APPLICATION: Forwarders: Hanke (AB80432);
Industrial: 1004-4T (AB35002, AB35015);
Telehandlers: Hyster Z90C (AB70215);

	QTY	ITEM #	DESCRIPTION	LETTERED ITEMS INCLUDED IN KIT					
	1	974466	In-Frame Kit, 2nd Design (1)						I
	1	974467	In-Frame Kit, 3rd Design						I
	1	975466	Out-of-Frame Kit, 2nd Design (1)				O		
	1	975467	Out-of-Frame Kit, 3rd Design				O		
	1	976466	Major Kit, 2nd Design (1)			M			
	1	976467	Major Kit, 3rd Design			M			
	4	171426	Sleeve & Piston Assembly, 2nd Design (1)			M		O	I
	4	171517	Sleeve & Piston Assembly, 3rd Design			M		O	I
	4	171236	Piston Assembly, Thru ESN U608300W (1st Design) (1)						
	4	171428	Piston Assembly, After ESN U608300W (2nd Design) (1)						
	4	171518	Piston Assembly, After ESN U608300W (3rd Design)						
	4	171266	Cylinder Liner (Flange/Finished/No Fire Dam/4.1035" OD) (2)						
	4	171365	Cylinder Liner (Flange/Semi-Finished/No FD/4.1055" OD) (3)						
	4	171468	005 Liner Shim						
	4	171191	Ring Set, Thru U608300W (1st Design > 1-3.0K 1-2.5 1-4.0)						
	4	171281	Ring Set (2nd & 3rd Design Pistons > 1-3.5K 1-2.5 1-4.0)						
	4	271261	STD Rod Bearing (Locating Tangs For Notched Rods)		M	M	O	O	I
	4	271262	.010 Rod Bearing (Locating Tangs For Notched Rods)						
	4	271263	.020 Rod Bearing (Locating Tangs For Notched Rods)						
	4	271264	.030 Rod Bearing (Locating Tangs For Notched Rods)						
	1	271161	STD Main Set, wo/Thrust Washers		M	M	O	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 (4)"						
	1	271119	STD Thrust Washer Set (Offset Lug)		M	M	O	O	I
	1	271125	.007 Thrust Washer Set (Offset Lug)						
	1	271126	.010 Thrust Washer Set (Offset Lug)						
	1	371377	Head Gasket Set "Head Gasket - 371155"		M	M	O	O	I
	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		M	M	O	O	
	1	371393	Timing Cover Gasket						
	1	371167	Pan Gasket Set (Cast Pan / Incls 6 Flange Gkt)						I
	1	371282	Pan Gasket: AB35002, AB70215, AB80432 (Steel Pan)						I
	1	371146	Front Crank Seal (Viton Lip Type) (7)		M	M	O	O	
	1	371145	Rear Crank Seal, Thru U176356H (Viton Lip Type) (8)		M	M	O	O	
	1	371297	Rear Crank Seal & Housing, After U176356H (9) (10)						
	4	271135	Pin Bushing, Butt & Serrated Split (Straight / 1.500" Pin)		M	M			
	4	271199	Pin Bushing, Fractured Split Rod (Tapered / 1.500" Pin)						
	1	271127	Cam Bearing (Finished ID)		M	M			
	8	771151	Connecting Rod Bolt (Serrated Split)		M	M			
	8	771148	Connecting Rod Nut (Serrated Split)		M	M			
	8	771368	Rod Capscrew (Doweled Flat Butt Split/1/2 x 2.766 Hex Hd)						
	8	771323	Rod Capscrew (Fractured Split / 7/16 x 2.580 12 Pt Head)						
	1	771319	Head Bolt Kit (22 Bolts)						

(1) Can Upgrade To 3rd Design Overhaul Kit or Complete Piston Sets

(2).010 OS Finished Liner - 171267

(3).020 OS Semi-Finished Liner - 171516

(4).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-D

9/28/2009

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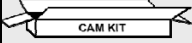
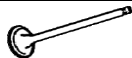
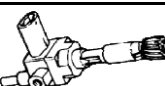
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	QTY	ITEM #	DESCRIPTION	LETTERED ITEMS INCLUDED IN KIT				
	1	979523	Camshaft Kit					C
	1	979156	Valve Train Kit, Thru ESN U608300W (Low Speed / Single Springs)				V	
	1	979157	Valve Train Kit, Thru ESN U608300W (High Speed / Dual Springs)				V	
	1	979151	Valve Train Kit, After ESN U608300W (LS / Single Springs)				V	
	1	979152	Valve Train Kit, After ESN U608300W (HS / Dual Springs)				V	
	1	571129	Camshaft "Uses 771363 (M12 x 45) Capscrew"					C
	1	271249	Thrust Washer					
	8	571123	Tappet					C
	4	471129	Exhaust Valve (45° / 37.5MM Hd Dia)	V	V	V	V	
	4	471116	Intake Valve, Thru ESN U608300W (45° / 45.0MM Hd Dia)				V	
	4	471126	Intake Valve, After ESN U608300W (30° / 45.0MM Hd Dia)	V	V			
	4	471132	Exhaust Guide	V	V	V	V	
	4	471131	Intake Guide	V	V	V	V	
	8	471145	Single Valve Spring (6 Coils / 2.0" Free Length)			V	V	
	8	471144	Outer Valve Spring (8 Coils / 1.8" Free Length)	V		V		
	8	471143	Inner Valve Spring (9 Coils / 1.7" Free Length)	V		V		
	8	471229	Spring Seat (Stepped/.640" ID)					
	16	471146	Keeper (Half)	V	V	V	V	
	4	471288	Exhaust Seat (1.290 x 1.681 x .374 Stepped Top)					
	4	471289	Intake Seat, Thru ESN U608300W (45° / 1.584x2.019x.285)					
	4	471292	Intake Seat, After ESN U608300W (30°)					
	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	571171	Cam Gear (Steel / 56 Teeth)					
	1	571131	Crank Gear (28 Teeth / 1.632" Wide)					
	1	571163	Idler Gear (Steel / 63 Teeth) (14)					
	8	571117	Push Rod					
	1	671115	Oil Pump					
	1	671176	Oil Pump Idler Gear "Includes Idler Gear Bush - 571124"					
	1	671183	Relief Valve Assembly					
	4	671157	Piston Cooling Jet					
	4	671158	Piston Cooling Check Valve					
	1	671181	Oil Cooler: (15)					
	1	671168	Oil Cooler: (16)					
	1	671149	Oil Cooler: AB35002 Thru 09/09/93					
	1	671175	Oil Cooler: AB35002 After U631077X					
	1	771181	Crank Kit (Spline / Lip) "Front Plate & Screws - 771361"					
	4	771194	Connecting Rod (1.500" Pin)					
	1	771362	Cylinder Head Assembly (Includes Valves & Springs)					
	1	771359	Expansion Plug Kit (20 Head & Block Plugs)					
	1	871138	Thermostat (2.125" / Bypass)					
	1	871163	Water Pump "Bypass Hose Kit - 871274"					
	1	871182	Manifold Heater Plug (Blade Terminal) "Screw Type-871174"					
	1	871255	Fuel Pump					

(12)Adjusting Screw-471226 / Lock Nut - 571139 (13)Rocker Arm Shaft Snap Ring - 471228 (14)Includes 2 Bushings - 571144

(15)AB35015 Thru U967678G; AB70215; AB80432 Thru U986192H (16)AB35015 After U967678G; AB80432 After U986192H

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