

PERKINS



ENGINE: G4.236
After U106654N

BORE: 3.877"	4 Cyl	Gas / LPG	Notes: Flanged Liners wo/Fire Dam, No Balancer
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APPLICATION: Forklifts: Cat (LE22241); R40, R50, RC60 (LE70110, LE70193); T50D-T150D (LE70098, LE70148, LE70223)
Forklifts: Cat V100, V110, V120, V130, V140 (LE22395, LE70094); V60E, V80D (LE70089); V80F (LE70227)
Forklifts: Champ (LE22636,70163); Eagle Picher T80D, T125D (LE70223); Hyster S125A, S150A (LE70182)
Forklifts: Lancer Boss (LE50095, 50138); Yale: (LE80177); Tractors: Jacobsen Turf F10, HF15 (LE70054)

	QTY	ITEM #	DESCRIPTION	LETTERED ITEMS INCLUDED IN KIT				
	1	974168	In-Frame Kit					I
	1	975168	Out-of-Frame Kit				O	
	1	976168	Major Kit			M		
	1	977168	Premium Kit (Basic Valve Kit Included)		P			
	4	171116	Sleeve & Piston Asb (Flanged Liner / No Fire Dam)	P	M	O	I	
	4	171288	Piston Assembly					
	4	171131	STD Liner (Flanged/No Fire Dam/Finished/4.103" OD) (1)					
	4	171361	STD Liner (Flg/No Fire Dam/Semi-Finished/4.105" OD) (2)					
	4	171468	005 Liner Shim					
	4	171291	Piston Ring Set (3-3/32 1-1/4)					
	4	271151	STD Rod Bearing	P	M	O	I	
	4	271152	.010 Rod Bearing					
	4	271153	.020 Rod Bearing					
	4	271154	.030 Rod Bearing					
	4	271155	.040 Rod Bearing					
	4	271156	.050 Rod Bearing					
	4	271157	.060 Rod Bearing					
	1	271161	STD Main Bearing Set, wo/Thrust Washers	P	M	O	I	
	1	271162	.010 Main Bearing Set, wo/Thrust Washers					
	1	271163	.020 Main Bearing Set, wo/Thrust Washers					
	1	271164	.030 Main Bearing Set, wo/Thrust Washers					
	1	271165	.040 Main Bearing Set, wo/Thrust Washers					
	1	271166	.050 Main Bearing Set, wo/Thrust Washers					
	1	271167	.060 Main Bearing Set, wo/Thrust Washers					
	1	271119	STD Thrust Washer Set	P	M	O	I	
	1	271125	.007 Thrust Washer Set					
	1	271126	.010 Thrust Washer Set					
	1	371296	Head Gasket Set (Heat Shield Manifold Gasket)	P	M	O	I	
	1	371116	Head Gasket					
	1	371117	Valve Cover Gasket (Bolt Holes In Gasket)					
	1	371477	Valve Cover Gasket (No Bolt Holes) "Optional - Not In Sets"					
	8	371143	Valve Seal (Umbrella)					
	1	371287	Lower Gasket Set wo/Seals	P	M	O		
	1	371295	Timing Cover Gasket Set, w/Aux Drive Hsg "Not In Kits" (3)					
	1	371282	Pan Gasket				I	
	1	371146	Front Crank Seal (Viton Lip Type) (4)	P	M	O		
	1	371145	Rear Crank Seal (Viton Lip Type) (5)	P	M	O		
	1	771159	Rear Block Bridge Piece					
	4	271238	Pin Bushing (1.000" 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	771293	Head Bolt Kit					

(1)OS Finished Liner: .010 - 171362 (2)OS Semi-Finished Liner: .020 - 171363 (3)Used On LE50095 (Not In Gasket Sets or Kits)

(4)Wear Sleeve - 301115 (5)Lip Seal Housing Gasket - 371187 / Wear Sleeve - 301143

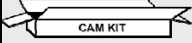
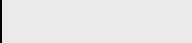
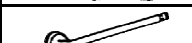
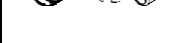
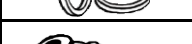
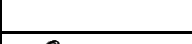
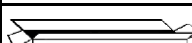
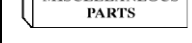
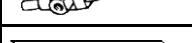
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	QTY	ITEM #	DESCRIPTION	LETTERED ITEMS INCLUDED IN KIT				
	1	979518	Camshaft Kit					C
	1	979317	Basic Valve Kit				B	
	1	979117	Valve Train Kit				V	
	1	571169	Camshaft "Cam Bolt Lock Plate - 571162"					C
	1	271249	Camshaft Thrust Washer (1.750 X 2.873 X .217) (6)					C
	8	571123	Tappet					C
	4	471211	STD Exhaust Valve (1.440 Hd Dia / 5.000 OAL / 45°)		V		B	
	4	471215	STD Intake Valve (1.740 Hd Dia / 4.839 OAL / 45°)		V		B	
	4	471132	Exhaust Guide		V		B	
	4	471131	Intake Guide		V		B	
	8	471134	Outer Valve Spring (8 Coils / 2.500" Free Length)		V		B	
	8	471133	Inner Valve Spring (9 Coils / 2.000" Free Length)		V		B	
	8	471229	Spring Seat		V		B	
	4	471221	Exhaust Rotator		V			
	4	471222	Spring Retainer		V			
	16	471146	Keeper (Half)		V		B	
	4	471223	Exhaust Seat					
	4	471224	LH Rocker Arm (Adjusting Screw & Lock Nut Not Included)					
	4	471225	RH Rocker Arm (Adjusting Screw & Lock Nut Not Included)					
	8	471226	Adjusting Screw (7)					
	1	471227	Rocker Arm Shaft (8) "Includes 471176 Plugs"					
	1	571172	Cam Gear: Except (9) (Cast / 56 Teeth)					
	1	571113	Crank Gear: Except (9) (Cast / 28 Teeth)					
	1	571111	Idle Gear: LE22395, 70054 (Cast/63 Teeth) "Incls 2-571144"					
	1	571163	Idle Gear: Except (9) & LE22395, 70054 (Steel / 63 Teeth)					
	1	571145	Idle Gear Hub: Except (9)					
	8	571117	Push Rod					
	1	671112	Oil Pump "Idle Gear - 671134 / Idle Gear Bush - 571124"					
	1	671148	Relief Valve Assembly: LE50138, LE70054, LE80177 (10)					
	1	671146	Oil Pump Inlet Strainer: LE22241, LE22395					
	1	771132	Crank Kit (Spline Nose / Lip Seal)					
	4	771285	Connecting Rod (1.000" Pin)					
	1	771283	Cylinder Head Assembly (Includes Valves & Springs)					
	1	771286	Expansion Plug Kit: Thru U280718S (19 Head&Block Plugs)					
	1	771294	Expansion Plug Kit: After U280718S (20 Head&Block Plugs)					
	1	871162	Thermostat (2.125"): Except (11)					
	1	871147	New Water Pump wo/Pulley: Except Below					
	1	871173	New Water Pump wo/Pulley: LE70148, LE70223, LE70227					
	1	871223	Fuel Pump: Except LE50138					
	1	871152	Fuel Pump: LE50138					

(6).026" OS - 271239 (1.750 X 2.873 X .243 Recessed Face) (7)Lock Nut - 571139 (8)Rocker Arm Shaft Snap Ring - 471228

(9)Steel Gears For LE22241,22636,50095,70089,70163,70182,80626: Cam - 571171 / Crk - 571166 / Idle - 571167 / Idle Brg - 571168

(10)With LH Side Oil Filter

(11)LE22241 (2.125") - 871222 / LE70148, LE70223, LE70227 (2.125" / Bypass) - 871138

PK-236-F

6/22/2007

CLICK THE ITEM # TO VIEW OR PURCHASE PART

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