

PERKINS



ENGINE: G4.236
Thru U106654N

BORE: 3.877"	4 Cyl	Gas / LPG	Notes: Straight Liners, No Balancer
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APPLICATION: Backhoes: Allis Chalmers 715 (LE21890); Forklifts: Cat: (LE22241); R40, R50, RC60 (LE70110, LE70193)
Forklifts: Cat T50D-T150D (LE70098,70148); V100-V140 (LE22395,70094); 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	974241	In-Frame Kit: Thru U009686M (Individual Manifold Gkts)				I
	1	974242	In-Frame Kit: After U009686M (Heat Shield Gasket)				I
	1	975241	Out-of-Frame Kit: Thru U009686M (Individual Manifold Gkts)		O		
	1	975242	Out-of-Frame Kit: After U009686M (Heat Shield Gasket)		O		
	4	171469	Sleeve & Piston Asb (Straight Liner)		O	O	I
	4	171288	Piston Assembly				
	4	171215	STD Cylinder Liner (Straight/Semi-Finished/4.0655" OD) (1)				
	4	171291	Piston Ring Set (3-3/32 1-1/4)				
	4	271151	STD Rod Bearing		O	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		O	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		O	O	I
	1	271125	.007 Thrust Washer Set				
	1	271126	.010 Thrust Washer Set				
	1	371285	Head Gasket Set: Thru U009686M (Individual Manifold Gkts)			O	I
	1	371296	Head Gasket Set: After U009686M (Heat Shield Gasket)		O		
	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"				
	1	371287	Lower Gasket Set wo/Seals		O	O	
	1	371295	Timing Cover Gasket Set, w/Aux Drive Hsg "Optional" (2)				
	1	371282	Pan Gasket				I
	1	371146	Front Crank Seal (Viton Lip Type) (3)		O	O	
	1	371161	Rear Crank Seal Kit, Thru 236U1189A (Rope Type) (4)			O	
	1	371186	Rear Seal & Housing Kit, Thru 236U1189A (Rope Type) (4)				
	1	371145	Rear Crank Seal, After 236U1189A (Viton Lip Type) (5)		O	O	
	4	271238	Pin Bushing (1.000" Pin)				
	1	271127	Cam Bearing (Finished ID)				
	8	771151	Connecting Rod Bolt				
	8	771148	Connecting Rod Nut				
	1	771282	Head Stud/Bolt & Nut Kit, Early (2 Studs / 20 Bolts)				
	1	771292	Head Bolt Kit, Thru U027630M (22 Bolts / .125" Block CB)				
	1	771293	Head Bolt Kit, After U027630M (Ribbed Blocks / .500" CB)				

(1)OS Straight Liner: .005 - 171358 / .010 - 171216

(2)Used On LE50095 (Not Included In Gasket Sets or Kits)

(3)Wear Sleeve - 301115

(4)Rope Seal Housing Gasket - 371288

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

PK-236-D

6/22/2007

CLICK THE ITEM # TO VIEW OR PURCHASE PART

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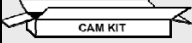
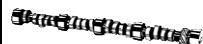
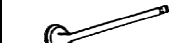
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	QTY	ITEM #	DESCRIPTION	LETTERED ITEMS INCLUDED IN KIT				
	1	979517	Camshaft Kit					C
	1	979335	Basic Valve Kit				B	
	1	979317	Basic Valve Kit, w/Guides				B	
	1	979135	Valve Train Kit			V		
	1	979117	Valve Train Kit, w/Guides			V		
	1	571114	Camshaft "Cam Bolt Lock Plate - 571162"					C
	1	271249	Camshaft Thrust Washer (1.750 X 2.873 X .217) (6)					
	8	571123	Tappet					C
	4	471211	STD Exhaust Valve (1.440 Hd Dia / 5.000 OAL / 45°) (7)	V	V	B	B	
	4	471215	STD Intake Valve (1.740 Hd Dia / 4.839 OAL / 45°) (8)	V	V	B	B	
	4	471132	Exhaust Guide: After U046510M or Service Repair	V		B		
	4	471131	Intake Guide: After U046510M or Service Repair	V		B		
	8	471134	Outer Valve Spring (8 Coils / 2.500" Free Length)	V	V	B	B	
	8	471133	Inner Valve Spring (9 Coils / 2.000" Free Length)	V	V	B	B	
	8	471219	Spring Seat, Integral Guides "With Service Guides - 471229"					
	4	471221	Exhaust Rotator	V	V			
	4	471222	Spring Retainer					
	16	471146	Keeper (Half)	V	V	B	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 (9)					
	1	471227	Rocker Arm Shaft (10) "Includes 471176 Plugs"					
	1	571112	Cam Gear: Except (11) (Cast / 56 Teeth)					
	1	571113	Crank Gear: Except (11) (Cast / 28 Teeth)					
	1	571111	Idler Gear: LE22395, 70054 (Cast/63 Teeth) "Incls 2-571144"					
	1	571163	Idler Gear: Except (11) & LE22395, 70054 (Steel / 63 Teeth)					
	1	571145	Idler Gear Hub: Except (11)					
	8	571117	Push Rod					
	1	671112	Oil Pump "Idler Gear - 671134 / Idler Gear Bush - 571124"					
	1	671148	Relief Valve Asb: LE50138,70054,70291,80177 (LH Oil Filter)					
	1	671146	Oil Pump Inlet Strainer: LE21890, LE22241, LE22395					
	1	771129	Crank Kit, Thru 236U1189A (Spline Nose / Rope Seal)					
	1	771132	Crank Kit, After 236U1189A (Spline Nose / Lip Seal)					
	1	771286	Expansion Plug Kit (Includes 19 Plugs For Head & Block)					
	1	871162	Thermostat (2.125"): Except (12)					
	1	871147	New Water Pump wo/Pulley: Except Below					
	1	871173	New Water Pump wo/Pulley: LE70148, LE70223, LE70227					
	1	871223	Fuel Pump: Except LE21890, LE50138					
	1	871152	Fuel Pump: LE21890, LE50138					

(6).026" OS - 271239 (1.750 X 2.873 X .243 Recessed Face) (7)Oversizes: .003 - 471212 / .015 - 471213 / .030 - 471214

(8)Oversizes: .003 - 471216 / .015 - 471217 / .030 - 471218 (9)Lock Nut - 571139 (10)Rocker Arm Shaft Snap Ring - 471228

(11)Steel Gears For LE21890, 22241, 22636, 50095, 70089, 70163, 70182, 80626: Cam - 571165 / Crank - 571166 / Idler - 571167

(12)LE22241 After U792122H; LE22376 (2.125") - 871222 / LE 22241, LE22395, LE70094, LE80177 Thru U792122H (2.500") - 871221

(12)LE22636 Thru U792122H; LE21890 (2.750") - 871137 / LE70148, LE70223, LE70227 (2.125" / Bypass) - 871138