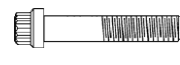


PERKINS



ENGINE: T4.236 Turbocharged Diesel
After U083371N

BORE: 3.877"	4 Cyl	Diesel	Notes: 3 Ring Piston, 1.5" Pin, 30° Intake Valves, Flg Liner wo/Fire Dam, 4 Bolt Balancer
APPLICATION: Telehandlers: MF 25T (LJ31191); Wheel Tractors: MF 60HX (LJ31231);			

	QTY	ITEM #	DESCRIPTION	LETTERED ITEMS INCLUDED IN KIT				
	1	974184	In-Frame Kit					I
	1	975184	Out-of-Frame Kit				O	
	1	976184	Major Kit			M		
	1	977184	Premium Kit (979142 Valve Train Kit Included)		P			
	4	171125	Sleeve & Piston Asb (Piston Stamped "KS") (1)		P	M	O	I
	4	171227	Piston Asb, Thru U424723U (Piston Stamped "KS") (1) (2)		P			
	4	171274	Piston Asb, After U424723U (Piston Stamped "ML") (1) (3)					
	4	171131	Liner (Finished / No Fire Dam / 4.103" OD) (4)					
	4	171361	Liner (Semi-Finished / No Fire Dam / 4.105" OD) (5)					
	4	171468	005 Liner Shim					
	4	171272	Piston Ring Set (1-1/8K 1-3/32 1-3/16)					
	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					
	1	271119	STD Thrust Washer Set		P	M	O	I
	1	271125	.007 Thrust Washer Set					
	1	271126	.010 Thrust Washer Set					
	1	371321	Head Gasket Set		P	M	O	I
	1	371132	Head Gasket					
	1	371117	Valve Cover 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	371167	Pan Gasket Set, Cast Pan (Includes 6 Oil Flange Gaskets)					I
	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	271135	Pin Bushing (1.500" Pin)		P	M		
	1	271127	Cam Bearing (Finished ID)		P	M		
	4	771171	Balancer Weight Bushings					
	8	771151	Connecting Rod Bolt		P	M		
	8	771148	Connecting Rod Nut		P	M		
	1	771293	Head Bolt Kit (Ribbed Blocks / .500" CB)					

(1)ML&KS pistons are different weights, replace in sets, **DO NOT MIX** (2)Untopped KS Piston-171415 (3)Untopped ML Piston-171416

(4).010 OS-171362 (5).020 OS-171363 (7)Wear Sleeve - 301115 (8)Lip Seal Housing Gasket - 371187 / Wear Sleeve - 301143

PK-236-49

5/5/2008

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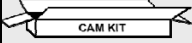
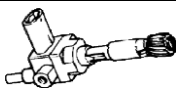
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PERKINS



ENGINE: T4.236 Turbocharged Diesel
After U083371N

BORE: 3.877"	4 Cyl	Diesel	Notes: 3 Ring Piston, 1.5" Pin, 30° Intake Valves, Flg Liner wo/Fire Dam, 4 Bolt Balancer
APPLICATION: Telehandlers: MF 25T (LJ31191); Wheel Tractors: MF 60HX (LJ31231);			

	QTY	ITEM #	DESCRIPTION	LETTERED ITEMS INCLUDED IN KIT				
	1	979521	Camshaft Kit					C
	1	979142	Valve Train Kit				V	
	1	571134	Camshaft "Cam Bolt Lock Plate - 571162"					C
	1	271249	Camshaft Thrust Washer (1.750 X 2.873 X .217) (10)					
	8	571123	Tappet					C
	4	471123	STD Exhaust Valve (45° / Bi-Metal / Chromed Stem)				V	
	4	471135	STD Intake Valve (30° / Alloy / Chromed Stem)				V	
	4	471132	Exhaust Guide				V	
	4	471131	Intake Guide				V	
	8	471134	Outer Valve Spring (8 Coils / 2.5" Free Length)				V	
	8	471133	Inner Valve Spring (9 Coils / 2.0" Free Length)				V	
	8	471229	Spring Seat (Stepped/.640" ID)				V	
	8	471222	Spring Retainer					
	16	471146	Keeper (Half)				V	
	4	471111	Exhaust Seat (1.248 x 1.681 x .374 Stepped Top)					
	4	471224	LH Rocker Arm (Adj Screw & Lock Nut Not Included) (11)					
	4	471225	RH Rocker Arm (Adj Screw & Lock Nut Not Included) (11)					
	1	471227	Rocker Arm Shaft (12) "Includes 471176 Plugs"					
	1	571171	Cam Gear (Steel / 56 Teeth)					
	1	571113	Crank Gear (28 Teeth)					
	1	571163	Idler Gear (Steel / 63 Teeth) (13)					
	1	571145	Idler Gear Hub					
	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					
	4	671157	Piston Cooling Jet					
	4	671158	Piston Cooling Check Valve					
	1	671149	Oil Cooler					
	1	771181	Crank Kit (Spline Nose / Lip Seal)					
	4	771194	Connecting Rod (1.500" Pin)					
	1	771317	Cylinder Head Assembly (Includes Valves & Springs)					
	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	771286	Expansion Plug Kit: Thru U280718S (19 Head&Block Plugs)					
	1	771294	Expansion Plug Kit: After U280718S (20 Head&Block Plugs)					
	1	871138	Thermostat (2.125" / Bypass)					
	1	871229	Water Pump wo/Pulley					
	1	871228	Block Heater (1.250")					
	1	871182	Manifold Heater Plug (Blade Terminal)					
	1	871226	Fuel Pump (4 Bolt / One Port Toward Block)					

(10)U729165B-U732690B Uses 271239 (1.750 X 2.873 X .243 Recessed Face)

(11)Adj Screw - 471226 / Lock Nut - 571139

(12)Snap Ring - 471228

(13)Includes 2 Bushings - 571144

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