

PERKINS



ENGINE: 4.41 Diesel

BORE: 3.979"	4 Cyl	Diesel	Notes: Natural Aspirated, Flanged Liners wo/Fire Dam, 6 Bolt Balancer
APPLICATION: Tractors: MF 4225 (LM31290, LM31320, LM31324, LM31325, LM31378, LM31379, LM31380, LM31381); Tractors: MF 4235 (LM31291, LM31319, LM31326, LM31327, LM31382, LM31383, LM31384, LM31385); Tractors: MF 4240 (LM31295); Backhoes: Unknown (LM31287);			

	QTY	ITEM #	DESCRIPTION	LETTERED ITEMS INCLUDED IN KIT			
	1	974248	In-Frame Kit				I
	1	975248	Out-of-Frame Kit		O		
	4	171484	Sleeve & Piston Assembly		O		I
	4	171334	Piston Assembly				
	4	171515	Piston Kit (Includes Rings)				
	4	171189	Cylinder Liner (Finished / No Fire Dam / 4.1025" OD)				
	4	171364	Cylinder Liner (Semi-Finished/No Fire Dam/4.1045" OD) (1)				
	4	171468	005 Liner Shim				
	4	171335	Piston Ring Set (2-2.5MM 1-5MM)				
	4	271151	STD Rod Bearing		O		I
	4	271152	.010 Rod Bearing				
	4	271153	.020 Rod Bearing				
	4	271154	.030 Rod Bearing "Additional Sizes (5)"				
	1	271161	STD Main Set, wo/Thrust Washers		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)		O		I
	1	271125	.007 Thrust Washer Set (Offset Lug)				
	1	271126	.010 Thrust Washer Set (Offset Lug)				
	1	371322	Head Gasket Set		O		I
	1	371155	Head Gasket				
	1	371221	Valve Cover Gasket				
	8	371143	Valve Seal				
	4	371318	Nozzle Dust Seal Kit "Not In Sets Or Kits"				
	1	371374	Lower Gasket Set wo/Seals		O		
	1	371149	Timing Cover Gasket				
	1	371375	Fuel Line Seal Kit (22 Seals & Washers) "Not In Gkt Sets"		O		
	1	371167	Pan Gkt Set: MF 4225, 4240 & LM31287 (Incls 6 Flg Gkts)			I	
	1	371282	Pan Gasket: MF 4325			I	
	1	371146	Front Crank Seal (Viton Lip Type) (7)		O		
	1	371145	Rear Crank Seal (Viton Lip Type) (8)		O		
	4	271176	Pin Bushing (1.375" Pin)				
	1	271127	Cam Bearing (Finished ID)				
	8	771151	Connecting Rod Bolt				
	8	771148	Connecting Rod Nut				
	1	771319	Head Bolt Kit (22 Bolts)				

(1).020 Oversize Semi-Finished Liner - 171479

(5)Rod Bearings: .040 - 271155 / .050 - 271156 / .060 - 271157

(6)Main Bearings: .040 - 271165 / .050 - 271166 / .060 - 271167

(7)Wear Sleeve - 301115

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

PK-248-31

6/20/2009

CLICK THE ITEM # TO VIEW OR PURCHASE PART

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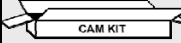
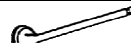
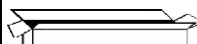
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Tractors: MF 4235 (LM31291, LM31319, LM31326, LM31327, LM31382, LM31383, LM31384, LM31385);
Tractors: MF 4240 (LM31295);
Backhoes: Unknown (LM31287);

	QTY	ITEM #	DESCRIPTION	LETTERED ITEMS INCLUDED IN KIT				
	1	979523	Camshaft Kit					C
	1	979148	Valve Train Kit: Heads w/Single Springs			V		
	1	979149	Valve Train Kit: 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	571113	Crank Gear (28 Teeth)					
	1	571111	Idler Gear (63 Teeth) (14)					
	8	571117	Push Rod					
	1	671122	Oil Pump					
	1	671149	Oil Cooler (15)					
	1	771296	Balancer/Pump Drive Kit (Gear/Shaft Asb, Drv Gear, 2-Brgs)					
	1	771132	Crank Kit (Spline Nose / Lip Seal)					
	1	771356	Crank Pulley (Single Groove) (16)					
	1	771357	Crank Pulley, w/AC (Double Groove)					
	4	771154	Connecting Rod (1.375" Pin)					
	1	771355	Cylinder Head Assembly (Includes Valves & Springs) (16)					
	1	771349	Expansion Plug Kit (16 Head & Block Plugs)					
	1	771168	Balancer Assembly (Includes Oil Pump)					
	1	771297	Balancer Idler Gear "Needle Bearing Assembly - 771298"					
	4	771171	Balancer Weight Bushings					
	1	871138	Thermostat (2.125" / Bypass)					
	1	871258	Bypass Hose Kit					
	1	871229	Water Pump wo/Pulley					
	1	871182	Manifold Heater Plug (Blade Terminal)					
	1	871255	Fuel Pump					
	1	871259	Heat Shield					

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

(15)MF 4235 After ESN U910229G; 4240 After ESN U916108G

(16)Except LM31287