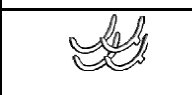
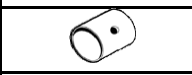
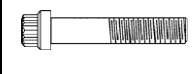


PERKINS



ENGINE: A4.248 Diesel

BORE: 3.979"	4 Cyl	Diesel	Notes: 3 Ring Controlled Expansion Pistons, 6 Bolt Balancer
APPLICATION: Tractors: MF 283 Brazil (LF8763B, LF8824B);			

	QTY	ITEM #	DESCRIPTION	LETTERED ITEMS INCLUDED IN KIT				
								
	4	171481	Sleeve & Piston Asb (Semi Finished Liner w/Fire Dam)					
	4	171482	Sleeve & Piston Asb (Semi Finished Liner wo/Fire Dam)					
	4	171476	Piston Assembly (3 Ring Untopped Piston) (1)					
	4	171132	Cylinder Liner (Finished / Fire Dam / 4.1025" OD)					
	4	171217	Cylinder Liner (Semi-Finished / Fire Dam / 4.1045" OD) (2)					
	4	171189	Cylinder Liner (Finished / No Fire Dam / 4.1025" OD)					
	4	171364	Cylinder Liner (Semi-Finished/No Fire Dam/4.1045" OD) (3)					
	4	171468	005 Liner Shim					
	4	171265	Piston Ring Set, 3 Ring Upgrade (2-2.5MM 1-5MM)					
	4	271151	STD Rod Bearing					
	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					
	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)					
	1	271125	.007 Thrust Washer Set (Offset Lug)					
	1	271126	.010 Thrust Washer Set (Offset Lug)					
	1	371321	Head Gasket Set					
	1	371132	Head Gasket					
	1	371117	Valve Cover Gasket					
	8	371143	Valve Seal					
	4	371239	Nozzle Dust Seal "Not In Gasket Sets Or Kits"					
	1	371292	Lower Gasket Set wo/Seals					
	1	371149	Timing Cover Gasket					
	1	371235	Fuel Line Seal Kit (23 Seals & Washers) "Not In Gkt Sets"					
	1	371167	Pan Gasket Set (Also Includes 6 Oil Flange Gaskets)					
	1	371146	Front Crank Seal (Viton Lip Type) (7)					
	1	371145	Rear Crank Seal (Viton Lip Type) (8)					
	1	771159	Rear Block Bridge Piece					
	4	271176	Pin Bushing (1.375" Pin)					
	1	271127	Cam Bearing (Finished ID)					
	8	771151	Connecting Rod Bolt					
	8	771148	Connecting Rod Nut					
	1	771282	Head Bolt/Stud & Nut Kit, Thru 275652P (2 Studs / 20 Bolts)					
	1	771293	Head Bolt Kit, After 275652P (Ribbed Blocks / .500" CB)					

(1)Topped Piston Assembly - 171228 (2).020 Oversize Semi-Finished Liner - 171478 (3).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

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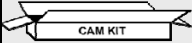
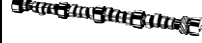
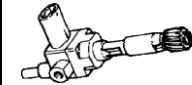
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PERKINS



ENGINE: A4.248 Diesel

BORE: 3.979"	4 Cyl	Diesel	Notes: 3 Ring Controlled Expansion Pistons, 6 Bolt Balancer
APPLICATION: Tractors: MF 283 Brazil (LF8763B, LF8824B);			

	QTY	ITEM #	DESCRIPTION	LETTERED ITEMS INCLUDED IN KIT			
							
							
	1	571122	Camshaft, Thru 395791 "Cam Bolt Lock Plate - 571162"				
	1	571176	Camshaft, After 395791 "Cam Bolt Lock Plate - 571162"				
	1	271249	Camshaft Thrust Washer (1.750 X 2.873 X .217)				
	8	571123	Tappet				
	4	471123	STD Exhaust Valve, Thru 407768 (45° / Bi-Metal)				
	4	471128	STD Intake Valve, Thru 407768 (45° / Alloy / Chrome Stem)				
	4	471231	STD Exhaust Valve, After 407768				
	4	471232	STD Intake Valve, After 407768				
	4	471132	Exhaust Guide, Thru 407768				
	4	471131	Intake Guide, Thru 407768				
	8	471233	Ex/In Guide, After 407768				
	8	471144	Outer Valve Spring (8 Coils/1.8" Free Length)				
	8	471143	Inner Valve Spring (9 Coils/1.7" Free Length)				
	8	471229	Spring Seat (Stepped/.640" ID)				
	16	471146	Keeper, Thru 407768 (Half)				
	16	471234	Keeper, After 407768 (Half)				
	4	471111	Exhaust Seat (1.248 x 1.681 x .374 Stepped Top)				
	4	471113	Intake Seat (1.594 x 2.020 x .281)				
	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	571165	Cam Gear, Thru 395791 (Steel / 56 Teeth)				
	1	571171	Cam Gear, After 395791 (Steel / 56 Teeth)				
	1	571113	Crank Gear (28 Teeth)				
	1	571163	Idler Gear (Steel / 63 Teeth) (14)				
	1	571145	Idler Gear Hub				
	8	571117	Push Rod				
	1	671122	Oil Pump				
	4	671157	Piston Cooling Jet				
	4	671158	Piston Cooling Check Valve				
	1	771296	Balancer/Pump Drive Kit (Gear/Shaft Asb, Drv Gear, 2-Brgs)				
	1	771168	Balancer Assembly (Includes Oil Pump)				
	1	771132	Crank Kit (Spline Nose / Lip Seal)				
	4	771154	Connecting Rod (1.375" Pin)				
	1	771264	Cylinder Head Assembly (Includes Valves & Springs)				
	1	771286	Expansion Plug Kit (19 Plugs Including 4-1 3/8" Plugs)				
	1	771294	Expansion Plug Kit (20 Plugs, No 1 3/8" Plugs Included)				
	1	871162	Thermostat (2.125")				
	1	871236	Water Pump				
	1	871228	Block Heater (1.250")				
	1	871182	Manifold Heater Plug (Blade Terminal) "Screw Type-871174"				
	1	871235	Fuel Pump				

(12)Adjusting Screw-471226 / Lock Nut - 571139

(13)Rocker Arm Shaft Snap Ring - 471228

(14)Includes 2 Bushings - 571144

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