

PERKINS



ENGINE: 4.248 Diesel
After U108196N

BORE: 3.979"	4 Cyl	Diesel	Notes: Flanged Liners wo/Fire Dam, 6 Bolt Balancer
APPLICATION:	Tractors: MF 283, 290 (LF22790, LF31105, LF31189, LF31275, LF31288); Tractors: MF 294 After 223D02347, 194F, 394S (LF22575, LF22762, LF31176, LF31177, LF31204); Tractors: MF 383, 390 (LF31141, LF31186, LF31235, LF31249); 3055, 3060 (LF31152); Wheel Tractors: MF 50EX, 50HX, 60H (LF31130, LF31164, LF31203);		

	QTY	ITEM #	DESCRIPTION	LETTERED ITEMS INCLUDED IN KIT				
	1	974199	In-Frame Kit					I
	1	975199	Out-of-Frame Kit				O	
	1	976199	Major Kit			M		
	1	977199	Premium Kit, Thru 3/4/94 (979139 Valve Train Kit Included)		P			
	4	171136	Sleeve & Piston Asb (3 Ring Controlled Expansion Piston)	P	M	O	I	
	4	171228	Piston Assembly (3 Ring Controlled Expansion Piston) (1)					
	4	171189	Cylinder Liner (Finished / No Fire Dam / 4.1025" OD)					
	4	171364	Cylinder Liner (Semi-Finished/No Fire Dam/4.1045" OD) (2)					
	4	171468	005 Liner Shim					
	4	171265	Piston Ring Set, 3 Ring Upgrade (2-2.5MM 1-5MM)					
	4	271151	STD Rod Bearing	P	M	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	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 "Additional Sizes (6)"					
	1	271119	STD Thrust Washer Set (Offset Lug)	P	M	O	I	
	1	271125	.007 Thrust Washer Set (Offset Lug)					
	1	271126	.010 Thrust Washer Set (Offset Lug)					
	1	371115	Head Gasket Set	P	M	O	I	
	1	371116	Head Gasket					
	1	371117	Valve Cover Gasket					
	8	371143	Valve Seal					
	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 (Also Includes 6 Oil Flange Gaskets)				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	271176	Pin Bushing (1.375" 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 (Ribbed Blocks / .500" CB)					
	1	771286	Expansion Plug Kit: Thru U280718S (19 Head&Block Plugs)					
	1	771294	Expansion Plug Kit: After U280718S (20 Head&Block Plugs)					

(1)Untopped Piston Assembly - 171476

(2).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-248-17

5/20/2008

CLICK THE ITEM # TO VIEW OR PURCHASE PART

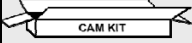
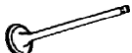
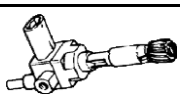
1-800-443-0625 | WWW.JENSALES.COM

PERKINS



ENGINE: 4.248 Diesel
After U108196N

BORE: 3.979"	4 Cyl	Diesel	Notes: Flanged Liners wo/Fire Dam, 6 Bolt Balancer
APPLICATION: Tractors: MF 283, 290 (LF22790, LF31105, LF31189, LF31275, LF31288); Tractors: MF 294 After 223D02347, 194F, 394S (LF22575, LF22762, LF31176, LF31177, LF31204); Tractors: MF 383, 390 (LF31141, LF31186, LF31235, LF31249); 3055, 3060 (LF31152); Wheel Tractors: MF 50EX, 50HX, 60H (LF31130, LF31164, LF31203);			

	QTY	ITEM #	DESCRIPTION	LETTERED ITEMS INCLUDED IN KIT				
	1	979519	Camshaft Kit					C
	1	979139	Valve Train Kit, Thru 3/4/94 (Long Springs)			V		
	1	979141	Valve Train Kit, After 3/4/94 (Short Springs)			V		
	1	571176	Cam "Cam Bolt Lock Plate-571162 / Thrust Washer-271249"					C
	8	571123	Tappet					C
	4	471123	STD Exhaust Valve (45° / Bi-Metal)		V		V	
	4	471128	STD Intake Valve (45° / Alloy / Chromed Stem)		V		V	
	4	471132	Exhaust Guide		V		V	
	4	471131	Intake Guide		V		V	
	8	471134	Outer Valve Spring, Thru 3/4/94 (8 Coils / 2.5" Free Length)				V	
	8	471133	Inner Valve Spring, Thru 3/4/94 (9 Coils / 2.0" Free Length)				V	
	8	471144	Outer Valve Spring, After 3/4/94 (8 Coils / 1.8" Free Length)		V			
	8	471143	Inner Valve Spring, After 3/4/94 (9 Coils / 1.7" Free Length)		V			
	8	471229	Spring Seat (Stepped/.640" ID)					
	16	471146	Keeper (Half)		V		V	
	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	571172	Cam Gear: Except Below (Cast / 56 Teeth)					
	1	571171	Cam Gear: (15) (Steel / 56 Teeth)					
	1	571113	Crank Gear: Except Below (28 Teeth)					
	1	571174	Crank Gear: (16) (28 Teeth)					
	1	571111	Idler Gear: Except Below (63 Teeth) (14)					
	1	571163	Idler Gear: (18) (Steel / 63T) (14)					
	1	571186	Idler Gear: (16) (Steel / 63T) (14)					
	8	571117	Push Rod					
	1	671122	Oil Pump					
	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	871162	Thermostat: Except Below (2.125")					
	1	871138	Thermostat: (17) (2.125" / Bypass)					
	1	871147	Water Pump wo/Pulley: Except Below					
	1	871229	Water Pump wo/Pulley: (17)					
	1	871226	Fuel Pump (4 Bolt / One Port Toward Block)					
	1	871152	Fuel Pump (4 Bolt / Both Ports Toward Block)					

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

(15)LF31176, LF31203, LF31204 After U738342B; LF31130, LF31141, LF31164, LF31186, LF31235, LF31249

(16)LF31141, LF31186, LF31235, LF31249 After U171963P

(17)LF31141, LF31186, LF31235, LF31249

(18)LF31141, LF31186, LF31235, LF31249 Thru U171963P; LF31176, LF31203, LF31204 After U738342B; LF31130, LF31164