

PERKINS














ENGINE: 4.236 Diesel
After U106654N

BORE: 3.877" | 4 Cyl | Diesel | Notes: 5 Ring Pistons, 2.769" CD, Flanged Liners wo/Fire Dam, 6 Bolt Balancer

APPLICATION: Forklifts: Clark, MF, Viking; Industrial Engines: 4.236; Skid Loaders: Bobcat 943, 953, 970, 974;
Tractors: Jacobsen Turf F10, HF15, HR15 (LD70186); MF 174-4S (LD22573, LD31175); 270 (LD22784); 670
Wheel Tractors: MF 50E (LD31113, LD31114); 50F (LD31122); 3050 (LD31154, LD31194);
Windrowers: MF 885 (LD22580); New Holland 1100,1116,1495,1496 (LD22580); Wood Chippers: Vermeer

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QTY		ITEM #	DESCRIPTION	LETTERED ITEMS INCLUDED IN KIT				
		1	974157 In-Frame Kit					I
		1	975157 Out-of-Frame Kit				O	
		1	976157 Major Kit			M		
		1	977157 Premium Kit, Thru 3/4/94 (979139 Valve Train Kit Included)		P			
		4	171137 Sleeve & Piston Assembly (5 Ring / Flanged / No Fire Dam)	P	M	O	I	
		4	171224 Piston Assembly (5 Ring / 2.769" Comp Dist / Topped) (1)					
		4	171131 Liner (Finished / No Fire Dam / 4.103" OD) (3)					
		4	171361 Liner (Semi-Finished / No Fire Dam / 4.105" OD) (4)					
		4	171468 005 Liner Shim					
		4	171263 Piston Ring Set (3-3/32 2-1/4)					
		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	P	M	O	I	
		1	271125 .007 Thrust Washer Set					
		1	271126 .010 Thrust Washer Set					
		1	371115 Head Gasket Set	P	M	O	I	
		1	371116 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	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)Untopped Piston Assembly - 171473

(3)Oversize Finished Liner: .010 - 171362

(4)Oversize Liner: .020 - 171363

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

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

(7)Front Seal Wear Sleeve - 301115

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

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	QTY	ITEM #	DESCRIPTION	LETTERED ITEMS INCLUDED IN KIT					
	1	979518	Camshaft Kit: Except (9)						C
	1	979519	Camshaft Kit: (9)						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	571169	Camshaft: Except (9) "Cam Bolt Lock Plate - 571162"						C
	1	571176	Camshaft: (9)						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)				V		
	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) (10)						
	4	471225	RH Rocker Arm (Adj Screw & Lock Nut Not Included) (10)						
	1	471227	Rocker Arm Shaft (11) "Includes 471176 Plugs"						
	1	571172	Cam Gear (Cast / 56 Teeth)						
	1	571113	Crank Gear (28 Teeth)						
	1	571111	Idler Gear: Except (13) (Cast / 63 Teeth) (12)						
	1	571163	Idler Gear: (13) (Steel / 63 Teeth / Bushings) (12)						
	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, Engines w/LH Oil Filter (Incls 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: Thru U280718S (19 Head&Block Plugs)						
	1	771294	Expansion Plug Kit: After U280718S (20 Head&Block Plugs)						
	1	871147	Water Pump wo/Pulley: Except Below						
	1	871229	Water Pump wo/Pulley: LD31154, LD31194						
	1	871216	Water Pump wo/Pulley: LD21359						
	1	871173	Water Pump wo/Pulley: (14)						
	1	871226	Fuel Pump: Except (15) (4 Bolt / One Port Toward Block)						
	1	871152	Fuel Pump: (15) (4 Bolt / Both Ports Toward Block)						

(9)LD22573, LD22784, LD31110, LD31113, LD31114, LD31122, LD31154, LD31175, LD31194, LD70177, LD70186, LD70196, LD70269

(10)Adj Screw 471226 / Lock Nut - 571139 (11)Snap Ring - 471228 (12)Includes 2 Bushings - 571144

(13)LD30829, 30830, 33468, 33469, 33470, 33487, 33634, 33642, 33775, 33776, 33835, 33851, 70095, 70323

(14)LD33634 Thru U329135T; LD30829,30830,33468,33469,33470,33487,33589,33642,33775,33776,33835,33851,70186,70323

(15)LD21359, LD22784, LD33468, LD33469, LD33470, LD33487, LD33589, LD70095, LD70177, LD70196, LD70269, LD70323

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