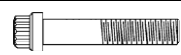


PERKINS



ENGINE: A4.236
Thru 236UA109214L

BORE: 3.877"	4 Cyl	Diesel	Notes: 5 Ring Pistons, 2.753" CD, Flanged Liners w/Fire Dam, Ag Block, 4 Bolt Balancer
APPLICATION: Tractors: MF 175 (LD08314, LD20022, LD20207, LD20208); 180 (LD20023, LD20209); 184-4, 265; Forklifts: MF 6500 (LD22055); Wheel Tractors: MF 31 (LD20022, LD20208);			

	QTY	ITEM #	DESCRIPTION	LETTERED ITEMS INCLUDED IN KIT				
	1	974183	In-Frame Kit, After ESN 4812574					I
	1	975183	Out-of-Frame Kit, After ESN 4812574			O		
	1	976183	Major Kit, After ESN 4812574			M		
	1	977183	Premium Kit, After ESN 4812574 (Valve Train Kit Included)		P			
	4	171126	Sleeve & Piston Assembly (5 Ring / Flanged w/Fire Dam)		P	M	O	I
	4	171197	Piston Assembly (5 Ring / 2.753" Compression Distance)		P	M	O	I
	4	171128	STD Cylinder Liner (Finished / Fire Dam / 4.063" OD) (1)					
	4	171214	STD Cylinder Liner (Semi-Finished / Fire Dam / 4.065" OD)					
	4	171131	Service Liner (Finished / No Fire Dam / 4.103" OD) (2)					
	4	171361	Service Liner (Semi-Finished / No Fire Dam / 4.105" OD) (3)					
	4	171468	005 Liner Shim (Fits Service Liners Without Fire Dam)					
	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 (4)"					
	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 (5)"					
	1	271128	STD Thrust Washer Set, Thru ESN 4812574 (Centered Lug)					
	1	271229	.005 Thrust Washer Set, Thru ESN 4812574 (Centered Lug)					
	1	271258	.007 Thrust Washer Set, Thru ESN 4812574 (Centered Lug)					
	1	271119	STD Thrust Washer Set, After ESN 4812574 (Offset Lug)		P	M	O	I
	1	271125	.007 Thrust Washer Set, After ESN 4812574 (Offset Lug)					
	1	271126	.010 Thrust Washer Set, After ESN 4812574 (Offset Lug)					
	1	371115	Head Gasket Set "Head Gasket - 371116"		P	M	O	I
	1	371117	Valve Cover Gasket					
	8	371143	Valve Seal, After 236UA19815 (6)					
	4	371239	Nozzle Dust Seal "Not In Gasket Sets Or Kits"					
	1	371292	Lower Gasket Set wo/Seals "Timing Cover Gkt - 371149"		P	M	O	
	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	371161	Rear Crank Seal Kit, Thru 236UA103063 (Rope Type) (8)		P	M	O	
	1	371186	Rear Seal & Housing Kit, Thru 236UA103063 (Rope Type) (8)					
	1	371145	Rear Crank Seal, After 236UA103063 (Viton Lip Type) (9)		P	M	O	
	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	771291	Head Stud & Nut Kit, Thru 236UA42747					
	1	771282	Head Stud/Bolt & Nut Kit, After 236UA42747					

(1)OS Finished Liner: .010 - 171194 / .040 - 171359 (2)OS Finished Liner: .010 - 171362 (3)OS Semi-Finished Liner: .020 - 171363
(4)Rod Bearings: .040 - 271155 / .050 - 271156 / .060 - 271157 (5)Main Bearings: .040 - 271165 / .050 - 271166 / .060 - 271167
(6)Optional Seals: Umbrella Thru ESN 4805663 - 371312 / Special ESN 4805664-236UA19815 - 371313
(7)Wear Sleeve - 301115 (8)Rope Seal Housing Gasket - 371288 (9)Lip Seal Housing Gasket - 371187 / Wear Sleeve - 301143

PK-236-G

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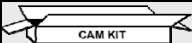
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PERKINS



ENGINE: A4.236
Thru 236UA109214L

BORE: 3.877"	4 Cyl	Diesel	Notes: 5 Ring Pistons, 2.753" CD, Flanged Liners w/Fire Dam, Ag Block, 4 Bolt Balancer
APPLICATION: Tractors: MF 175 (LD08314, LD20022, LD20207, LD20208); 180 (LD20023, LD20209); 184-4, 265; Forklifts: MF 6500 (LD22055); Wheel Tractors: MF 31 (LD20022, LD20208);			

	QTY	ITEM #	DESCRIPTION	LETTERED ITEMS INCLUDED IN KIT				
	1	979516	Camshaft Kit					C
	1	979137	Valve Train Kit				V	
	1	979138	Valve Train Kit, w/Guides				V	
	1	571122	Camshaft (10)					C
	1	271249	Camshaft Thrust Washer (1.750 X 2.873 X .217)					
	8	571123	Tappet					C
	4	471123	STD Exhaust Valve (11)		V		V	
	4	471119	STD Intake Valve (12)		V		V	
	4	471132	Exhaust Guide: Service Repair		V			
	4	471131	Intake Guide: Service Repair		V			
	8	471134	Outer Valve Spring (8 Coils / 2.500" Free Length)		V		V	
	8	471133	Inner Valve Spring (9 Coils / 2.000" Free Length) (10)		V		V	
	8	471219	Spring Seat, Integral Guides "With Service Guides - 471229"		V			
	8	471222	Spring Retainer					
	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 (Adjusting Screw & Lock Nut Not Included)					
	4	471225	RH Rocker Arm (Adjusting Screw & Lock Nut Not Included)					
	8	471226	Adjusting Screw (13)					
	1	471227	Rocker Arm Shaft (14)					
			"Includes 471176 Plugs"					
	1	571112	Cam Gear (56 Teeth)					
	1	571113	Crank Gear (28 Teeth)					
	1	571111	Idler Gear (63 Teeth)					
	1	571145	Idler Gear Hub					
	8	571117	Push Rod					
	1	671142	Oil Pump Kit (Gears,Shaft,Plate,Valve,Spring,Cap,Gkts) (15)					
	1	671143	Oil Pump Body (Cast Gear Housing)					
	1	671146	Oil Pump Inlet Strainer					
	1	771129	Crank Kit, Thru 236UA103063 (Spline Nose / Rope Seal)					
	1	771132	Crank Kit, After 236UA103063 (Spline Nose / Lip Seal)					
	4	771154	Connecting Rod (1.375" Pin)					
	1	771264	Cylinder Head Assembly (Includes Valves & Springs)					
	1	771286	Expansion Plug Kit (Includes 19 Plugs For Head & Block)					
	1	771164	Balancer Assembly (Includes Oil Pump)					
	1	771288	Balancer Kit, Early (3-Shafts 2-Gears 2-Keys 1-Plate) (16)					
	1	771287	Balancer Kit, Late (3-Shafts 2-Gears 2-Keys 4-Brgs) (17)					
	1	771165	Balancer Kit, Service Balancer (Shafts, Gears, Brgs) (18)					
	2	771197	Balancer Gear, Late (3 Bolt / 1.375 ID / 30T)					
	1	871227	Thermostat, Early (2.750" / 170° / Non-Vented)					
	1	871162	Thermostat, Late (2.125")					
	1	871147	Water Pump wo/Pulley					
	1	871225	Fuel Pump, Early (2 Bolt)					
	1	871226	Fuel Pump, Late (4 Bolt)					

(10)Inner Springs Used w/571122 Cam or After 236UA19816 (11)Oversizes: .003 - 471271 / .015 - 471272 / .030 - 471273
(12)Oversizes: .003 - 471267 / .015 - 471268 / .030 - 471269 (13)Lock Nut - 571139 (14)Rocker Arm Shaft Snap Ring - 471228
(15)Supply 771166 If Drive Spline Is .422" OD (16)Frame w/Bushings (17)Frame w/Needle Brgs (18)Frame w/Grooved Roller Brgs

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