

PERKINS



ENGINE: 4A.203 Diesel
Indirect Injection (Regular)

BORE: 3.602" 4 Cyl Diesel NOTES: Chrome Liner, .045" Flange, Flat Top Piston, 19 Head Studs, Vertical Nozzles

APPLICATION: Tractors: 65 Massey Ferguson Thru ESN 2820092;
Wheel Tractor: 65, 356 Massey Ferguson Thru ESN 2820092;

	QTY	ITEM #	DESCRIPTION	LETTERED ITEMS INCLUDED IN KIT			
	1	974232	In-Frame Kit, Thru ESN 2808067 (Offset Thrust Washer Lug)			I	
	1	974186	In-Frame Kit, After ESN 2808067 (Centered Thrust Washer Lug)			I	
	1	975232	Out-of-Frame Kit, Thru ESN 2808067 (Offset Thrust Washer Lug)	O			
	1	975186	Out-of-Frame Kit, After ESN 2808067 (Centered Thrust Lug)	O			
	4	171122	Sleeve & Piston Assembly (Chromed Steel Liner) (1)	O	O	I	I
	4	171148	Piston Kit (Topped w/Pin & Cast Rings) (2)				
	4	171223	Piston Assembly (Topped) (3)				
	4	171133	STD Cylinder Liner (Chromed Steel) (4)				
	4	171354	.005 Oversize Cylinder Liner (Chromed Steel)				
	4	171355	.010 Oversize Cylinder Liner (Chromed Steel)				
	4	171429	.005 Liner Shim				
	4	171273	Piston Ring Set, Cast (2-3/32 1-1/8 2-1/4)				
	4	171433	Piston Ring Set, Cast / Early Piston (3-3/32 2-1/4)				
	4	271231	STD Rod Bearing	O	O	I	I
	4	271232	.010 Rod Bearing				
	4	271233	.020 Rod Bearing				
	4	271234	.030 Rod Bearing				
	4	271235	.040 Rod Bearing				
	4	271236	.050 Rod Bearing				
	4	271237	.060 Rod Bearing				
	1	271181	STD Main Bearing Set, wo/Thrust Washers	O	O	I	I
	1	271182	.010 Main Bearing Set, wo/Thrust Washers				
	1	271183	.020 Main Bearing Set, wo/Thrust Washers				
	1	271184	.030 Main Bearing Set, wo/Thrust Washers				
	1	271185	.040 Main Bearing Set, wo/Thrust Washers				
	1	271186	.050 Main Bearing Set, wo/Thrust Washers				
	1	271187	.060 Main Bearing Set, wo/Thrust Washers				
	1	271158	STD Thrust Washer Set, Thru ESN 2808067 (Offset Lug)		O		I
	1	271159	.007 Thrust Washer Set, Thru ESN 2808067 (Offset Lug)				
	1	271111	STD Thrust Washer Set, After ESN 2808067 (Centered Lug)	O		I	
	1	271131	.005 Thrust Washer Set, After ESN 2808067 (Centered Lug)				
	1	271132	.007 Thrust Washer Set, After ESN 2808067 (Centered Lug)				
	1	271133	.010 Thrust Washer Set, After ESN 2808067 (Centered Lug)				
	1	371228	Head Gasket Set	O	O	I	I
	1	371231	Head Gasket				
	1	371232	Valve Cover Gasket				
	1	371199	Lower Gasket Set wo/Seals "Opt Tach Drive Seal - 371234"	O	O		
	1	371236	Fuel Line Seal Kit (39 Seals) "Not In Gasket Sets"				
	1	371229	Pan Gasket Set (Tractor Pan Bolts To Timing Cover)			I	I
	1	371233	Front Crank Seal "Replace Oil Slinger With Spacer-771199"	O	O		
	1	371185	Rear Crank Seal Kit (Rope Type)	O	O		
	1	771162	Rear Crank Seal Housing (Rope Type)				
	4	271175	Pin Bushing				
	8	771153	Connecting Rod Bolt				
	8	771152	Connecting Rod Nut				
	1	771211	Head Stud & Nut Kit				

(1)Cast Alternate - 171156 (2)Untopped Piston Kit - 171431 (3)Untopped Piston Assembly - 171432 (4)Cast Alternate - 171434

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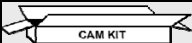
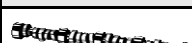
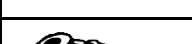
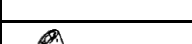
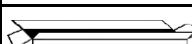
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	QTY	ITEM #	DESCRIPTION	LETTERED ITEMS INCLUDED IN KIT				
	1	979511	Camshaft Kit					C
	1	979115	Valve Train Kit, Thru ESN 2814186 (Original Flanged Guides)				V	
	1	979116	Valve Train Kit (Upgraded & Late Non-Flanged Guides)				V	
	1	571136	Camshaft					C
	1	571137	Camshaft Thrust Plate					
	8	571125	Tappet, wo/Adjusting Screw					C
	8	571138	Adjusting Screw (5)					
	4	471121	Exhaust Valve (1.319 Hd Dia / 4.504 OAL / 45°)			V	V	
	4	471117	Intake Valve (1.535 Hd Dia / 4.504 OAL / 45°)			V	V	
	8	471165	Valve Guide, Thru ESN 2814186 (Flanged)				V	
	8	471127	Valve Guide, Late "Replaces 471165 If Used w/471166"			V		
	8	471138	Outer Valve Spring			V	V	
	8	471139	Inner Valve Spring			V	V	
	8	471166	Spring Seat (.500" ID) "Used w/471127 Non-Flanged Guide"					
	8	471167	Spring Retainer					
	16	471168	Keeper (Half)			V	V	
	4	471171	Exhaust Seat, Stepped OEM (1.188 x 1.625 x .250 x 45°)					
	4	401132	Exhaust Seat (1.188 x 1.437 x .219 x 45°)					
	4	471172	Intake Seat, Stepped OEM (1.375 x 1.875 x .250 x 45°)					
	4	401128	Intake Seat (1.375 x 1.625 x .219 x 45°)					
	4	471173	LH Rocker Arm					
	4	471174	RH Rocker Arm					
	1	471175	Rocker Arm Shaft (6) (7)					
	1	471178	Rocker Arm Oil Line Assembly					
	1	571141	Cam Gear (52 Teeth)					
	1	571127	Crank Gear (26 Teeth)					
	1	571142	Upper Idler Gear (43 Teeth)					
	1	571143	Lower Idler Gear					
	2	571144	Lower Idler Gear Bushing					
	2	571145	Idler Gear Hub					
	1	571146	Fuel Injection Pump Gear					
	1	671111	Oil Pump (Idler Gear Not Included)					
	1	671133	Oil Pump Idler Gear					
	1	671137	Oil Pump Idler Gear Bushing					
	1	671138	Oil Strainer					
	1	771113	Crankshaft					
	1	771127	Crankshaft Kit, After ESN 2808067 (Centered Thrust Lug)					
	4	771157	Connecting Rod					
	1	771146	Cylinder Head Assembly (Includes Valves & Springs)					
	1	771212	Expansion Plug Kit (Includes 15 Plugs For Head & Block)					
	1	871137	Thermostat					
	1	871176	New Water Pump wo/Pulley					
	1	871177	New Water Pump w/871178 Pulley					
	1	871174	Manifold Heater Plug					
	4	871175	Pre-Combustion Chamber					
	1	871172	Fuel Pump "May Need 2-771198 Studs (1.437" OAL)"					

(5)Adjusting Screw Lock Nut - 571139

(6)Rocker Arm Shaft Plug - 471176

(7)Rocker Arm Shaft Snap Ring - 471177

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