

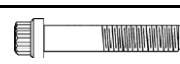
PERKINS



ENGINE: AD4.203 Diesel
Direct Injection

BORE: 3.602" 4 Cyl Diesel Cast Liner, .150" Flange, 45° Valves, Mexican Hat Bowl, 23 Head Studs, Tractor Sump

APPLICATION: Massey Ferguson Combines: 300;
Massey Ferguson Tractors: 65 After ESN 2939035; 165; Early 255 Thru ESN U546167F;
MF Wheel Tractors: 65, 356 After ESN 2939035; 30, 50, 50A, 302, 304, 3165; 40B Thru ESN U546167F;

	QTY	ITEM #	DESCRIPTION	LETTERED ITEMS INCLUDED IN KIT				
	1	974134	In-Frame Kit					I
	1	975134	Out-of-Frame Kit				O	
	1	976134	Major Kit			M		
	1	977134	Premium Kit (Valve Train Kit Included)		P			
	4	171114	Sleeve & Piston Assembly (Topped Piston / Finished Liner)		P	M	O	I
	4	171143	Piston Kit (Topped w/Pin & Chrome Rings) (1)					
	4	171195	Piston Assembly (Topped) (2)					
	4	171129	STD Cylinder Liner (Finished/Slip Fit) (3)					
	4	171211	STD Cylinder Liner (Semi-Finished/Press Fit) (4)					
	4	171429	.005 Liner Shim					
	4	171261	Piston Ring Set, Chrome (2-3/32 1-1/8 2-1/4)					
	4	271231	STD Rod Bearing		P	M	O	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		P	M	O	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	271111	STD Thrust Washer Set (Centered Lug)		P	M	O	I
	1	271131	.005 Thrust Washer Set (Centered Lug)					
	1	271132	.007 Thrust Washer Set (Centered Lug)					
	1	271133	.010 Thrust Washer Set (Centered Lug)					
	1	371241	Head Gasket Set "Head Gasket - 371242"		P	M	O	I
	1	371153	Valve Cover Gasket "Stud Seal - 371245"					
	4	371239	Nozzle Dust Seal "Not Included In Gasket Sets Or Kits"					
	1	371211	Lower Gasket Set wo/Seals "Opt Tach Drive Seal - 371234"		P	M	O	
	1	371235	Fuel Line Seal Kit (23 Seals & Washers) "Not In Gkt Sets"		P	M	O	
	1	371227	Pan Gasket Set "Timing Cover Gasket 371159 Not Included"					I
	1	371233	Front Crank Seal "Replace Oil Slinger With Spacer-771199"		P	M	O	
	1	371185	Rear Crank Seal Kit, Thru 203UA109487D (Rope Type)		P	M	O	
	1	371145	Rear Crank Seal, After 203UA109487D (Viton Lip Type)		P	M	O	
	4	271175	Pin Bushing		P	M		
	8	771153	Connecting Rod Bolt		P	M		
	8	771152	Connecting Rod Nut		P	M		
	1	771223	Head Stud & Nut Kit, Thru ESN 203UA130433DL					
	1	771225	Head Stud/Bolt & Nut Kit, After ESN 203UA130433DL					

(1)Untopped Piston Kit - 171439 (2)Untopped Piston Assembly - 171438 (3)Oversize Finished Liners: .010 - 171356 / .030 - 171357

(4)Oversize Semi-Finished Liners: .010 - 171139 / .030 - 171212 / .050 - 171112 / .100 - 171213

PK-203-J

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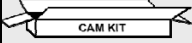
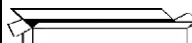
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	QTY	ITEM #	DESCRIPTION	LETTERED ITEMS INCLUDED IN KIT				
	1	979511	Camshaft Kit					C
	1	979121	Valve Train Kit (45° Valves)				V	
	1	571136	Camshaft					C
	1	571137	Camshaft Thrust Plate					
	8	571125	Tappet, wo/Adjusting Screw					C
	8	571138	Adjusting Screw (5)					
	4	471122	Exhaust Valve (1.320 Hd Dia / 4.507 OAL / 45°)				V	
	4	471118	Intake Valve (1.539 Hd Dia / 4.507 OAL / 45°)				V	
	8	471127	Valve Guide				V	
	8	471138	Outer Valve Spring				V	
	8	471139	Inner Valve Spring "Only Used Thru ESN 29C0428"				V	
	8	471166	Spring Seat, Dual Spring "For Single Spring Use 471179"				V	
	8	471167	Spring Retainer					
	16	471168	Keeper (Half)				V	
	4	471182	Exhaust Seat (1.203 x 1.681 x .312 x 45°)					
	4	401197	Intake Seat (1.406 x 1.875 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, Thru 203UA84217D (43 Teeth)					
	1	571147	Upper Idler Gear, After 203UA84217D (43 Teeth)					
	1	571143	Lower Idler Gear					
	4	571144	Idler Gear Bushing					
	2	571145	Idler Gear Hub					
	1	671111	Oil Pump (Idler Gear Not Included)					
	1	671133	Oil Pump Idler Gear "Bushing - 671137"					
	1	671139	Oil Strainer, Thru 203UA135966DL					
	1	771113	Crankshaft, Thru 203UA109487D (Rope Seal)					
	1	771127	Crankshaft Kit, Thru 203UA109487D (Rope Seal)					
	1	771114	Crankshaft, After 203UA109487D (Lip Seal)					
	1	771128	Crankshaft Kit, After 203UA109487D (Lip Seal)					
	4	771158	Connecting Rod					
	1	771222	Cylinder Head Asb, Thru U527443E (Incls Valves & Springs)					
	1	771226	Cylinder Head Asb, After U527443E (Incls Valves & Springs)					
	1	771224	Expansion Plug Kit (17 Head & Blk Plugs)					
	1	871137	Thermostat					
	1	871176	New Water Pump wo/Pulley					
	1	871177	New Water Pump w/871178 Pulley					
	1	871174	Manifold Heater Plug					
			(8) Fuel Pumps					

(5)Adjusting Screw Lock Nut - 571139

(6)Rocker Arm Shaft Plug - 471176

(7)Rocker Arm Shaft Snap Ring - 471177

(8)Thru ESN 29F4248 (2 Bolt / Fuel Bowl) - 871172 / After ESN 29F4249 (2 Bolt / No Fuel Bowl) - 871132 / 4 Bolt Mount - 871181

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