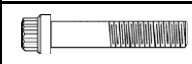


PERKINS



ENGINE: AD3.152 Diesel
Direct Injection

BORE: 3.602"	3 Cyl	Diesel	Cast Liner, .150" Flange, 35° Valves, Mexican Hat Bowl Piston, Keyed Crank, Lip Seal
APPLICATION: Tractors: MF 231, 240P (CE22666);			

	QTY	ITEM #	DESCRIPTION	LETTERED ITEMS INCLUDED IN KIT				
	1	974175	In-Frame Kit					I
	1	975175	Out-of-Frame Kit				O	
	1	976175	Major Kit			M		
	1	977175	Premium Kit (Valve Train Kit Included)		P			
	3	171446	Piston Assembly, Original 4 Ring Style					
	3	171114	Sleeve & Piston Asb, 5 Ring Conv (Topped) "Use In Sets"	P	M	O	I	
	3	171143	Piston Kit, 5 Ring Conversion (Topped) (1) "Use In Sets"					
	3	171195	Piston Assembly, 5 Ring Conv (Topped) (2) "Use In Sets"					
	3	171129	STD Cylinder Liner (Finished/Slip Fit) (3)					
	3	171211	STD Cylinder Liner (Semi-Finished/Press Fit) (4)					
	3	171429	.005 Liner Shim					
	3	171262	Piston Ring Set, Original 4 Ring Style (3-3/32 1-3/16)					
	3	171261	Piston Ring Set, 5 Ring Conversion (2-3/32 1-1/8 2-1/4)					
	3	271231	STD Rod Bearing	P	M	O	I	
	3	271232	.010 Rod Bearing					
	3	271233	.020 Rod Bearing					
	3	271234	.030 Rod Bearing					
	3	271235	.040 Rod Bearing					
	3	271236	.050 Rod Bearing					
	3	271237	.060 Rod Bearing					
	1	271251	STD Main Bearing Set, wo/Thrust Washers (Full Groove)	P	M	O	I	
	1	271252	.010 Main Bearing Set, wo/Thrust Washers (Full Groove)					
	1	271253	.020 Main Bearing Set, wo/Thrust Washers (Full Groove)					
	1	271254	.030 Main Bearing Set, wo/Thrust Washers (Full Groove)					
	1	271255	.040 Main Bearing Set, wo/Thrust Washers (Full Groove)					
	1	271256	.050 Main Bearing Set, wo/Thrust Washers (Full Groove)					
	1	271257	.060 Main Bearing Set, wo/Thrust Washers (Full Groove)					
	1	271111	STD Thrust Washer Set (.122" Thick) (5)	P	M	O	I	
	1	271131	.005 Thrust Washer Set (.127" Thick) (5)					
	1	271132	.007 Thrust Washer Set (.129" Thick) (5)					
	1	271133	.010 Thrust Washer Set (.132" Thick) (5)					
	1	371265	Head Gasket Set "Head Gasket - 371252"	P	M	O	I	
	1	371217	Valve Cover Gasket					
	3	371239	Nozzle Dust Seal "Not Included In Gasket Sets Or Kits"					
	1	371198	Lower Gasket Set wo/Seals	P	M	O		
	1	371234	Tach Drive Seal					
	1	371235	Fuel Line Seal Kit (23 Seals & Washers) "Not In Gkt Sets"	P	M	O		
	1	371255	Pan Gasket Set				I	
	1	371233	Front Crank Seal	P	M	O		
	1	371145	Rear Crank Seal (Viton Lip Type)	P	M	O		
	3	271175	Pin Bushing	P	M			
	6	771153	Connecting Rod Bolt	P	M			
	6	771152	Connecting Rod Nut	P	M			
	1	771254	Head Stud/Bolt & Nut Kit, Early (5 Studs / 13 Bolts)					
	1	771254	Head Stud/Bolt & Nut Kit, Late (9 Studs / 9 Bolts)					

(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

(5)Other Sizes Available

(6) Flanged Type- 371239

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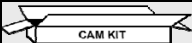
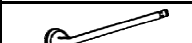
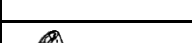
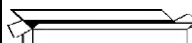
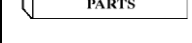
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ENGINE: AD3.152 Diesel
Direct Injection

BORE: 3.602"	3 Cyl	Diesel	Cast Liner, .150" Flange, 35° Valves, Mexican Hat Bowl Piston, Keyed Crank, Lip Seal
APPLICATION: Tractors: MF 231, 240P (CE22666);			

	QTY	ITEM #	DESCRIPTION	LETTERED ITEMS INCLUDED IN KIT				
	1	979512	Camshaft Kit					C
	1	979127	Valve Train Kit (35°)				V	
	1	571115	Camshaft					C
	1	571154	Camshaft Thrust Spring					
	6	571125	Tappet, wo/Adjusting Screw					C
	6	571138	Adjusting Screw (7)					
	3	471124	Exhaust Valve (1.320 Hd Dia / 4.507 OAL / 35°)				V	
	3	471125	Intake Valve (1.539 Hd Dia / 4.507 OAL / 35°)				V	
	6	471127	Valve Guide (2.430" OAL)				V	
	6	471138	Valve Spring				V	
	6	471179	Spring Seat, Single Spring					
	6	471167	Spring Retainer					
	12	471168	Keeper (Half)				V	
	3	471182	Exhaust Seat (1.203 x 1.681 x .312)					
	3	401197	Intake Seat (1.406 x 1.875 x .219)					
	3	471173	LH Rocker Arm					
	3	471174	RH Rocker Arm					
	1	471189	Rocker Arm Shaft (8) (9) (10)					
	1	571128	Cam Gear (50 Teeth)					
	1	571121	Crank Gear (25 Teeth)					
	1	571118	Idle Gear (90 Teeth)					
	1	571153	Idle Gear Hub					
	1	671118	Oil Pump (Idle Gear Not Included)					
	1	671116	Oil Pump Idle Gear (21 Teeth)					
	1	671136	Idle Gear Bushing					
	1	771112	Crankshaft (Keyed Nose / Lip Seal)					
	1	771126	Crankshaft Kit (Keyed Nose / Lip Seal)					
	1	771235	Balance Weight Bolt Kit (4-2.375" Bolts, 4-Special Washers)					
	3	771158	Connecting Rod					
	1	771145	Cylinder Head Assembly (Includes Valves & Springs)					
	1	771248	Expansion Plug Kit (Includes 16 Plugs For Head & Block)					
	1	771191	Timing Gear Case Bridge Piece					
	1	771252	Timing Gear Case					
	1	771259	Timing Cover					
	1	871162	Thermostat					
	1	871155	Water Pump w/Pulley					
	1	871189	Water Pump w/Pulley (11)					
	1	871182	Manifold Heater Plug (Blade Terminal)					
	1	871196	Fuel Pump (4 Bolt)					

(7) Lock Nut - 571139 (8) Shaft Plug - 471176 (9) Shaft Snap Ring - 471177 (10) Rocker Arm Oil Line Assembly - 471191

(11) Includes 871191 Pulley (3 1/8" Hub/Square Bolt Pattern)

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