

JOHN DEERE

ENGINE: 3164D (Late)



BORE: 4.0157"	3 Cyl	Diesel	NOTES: 1.375" Piston Pin, O-Ring Grooves In Block
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APPLICATION: Backhoe Loaders: JD310 After 189323; 300B After 710723; 302A; Crawlers: Late 350C;
 Power Units: Late 3164D; Tractors: 830(E), 930(E), 1030(E), 1130(E);
 Tractors: 1020(E) After ESN 199742; 1120(E) After ESN 199742;
 Tractors: 1530 After ESN 179600; 2040 Thru 349999; Wheel Tractors: 301A After 710721; 302;

	QTY	ITEM #	DESCRIPTION	LETTERED ITEMS INCLUDED IN KIT					
	1	954214	In-Frame Kit (STD Compression)						I
	1	954253	In-Frame Kit (High Compression Option)						I
	1	955214	Out-of-Frame Kit (STD Compression)				O		
	1	955253	Out-of-Frame Kit (High Compression Option)				O		
	1	956214	Major Kit (STD Compression)		M				
	1	956253	Major Kit (High Compression Option)		M				
	3	151628	Sleeve & Piston Assembly (STD Compression)		M		O		I
	3	151631	Sleeve & Piston Assembly (High Compression Option)		M		O		I
	3	151629	Piston Assembly (STD Compression / Marked B)						
	3	151632	Piston Assembly (High Compression Option / Marked H)						
	3	151423	Liner Assembly (7.720" OAL) (1)						
	3	151424	Liner O-Ring Package						
	3	151478	Block Repair Sleeve, Lower Liner Pilot Bore (Grooves In Blk)						
	3	151626	Piston Ring Set (1-1/8K 1-3/32 1-5MM)						
	3	251111	STD Rod Bearing		M	M	O	O	I
	3	251112	.010 Rod Bearing						
	3	251113	.020 Rod Bearing						
	3	251114	.030 Rod Bearing						
	1	251262	STD Main Bearing Set		M	M	O	O	I
	1	251263	.010 Main Bearing Set						
	1	251264	.020 Main Bearing Set						
	1	251265	.030 Main Bearing Set						
	1	351673	Head Gasket Set						I
	1	351123	Head Gasket						I
	1	351328	Valve Cover Gasket (Cork) (2)						
	1	351148	Valve Cover Gasket (SEMR) (2)						
	6	351161	Valve Seal (O-Ring)						
	3	351657	Exhaust Manifold Gasket						
	1	351674	Full Gasket Set w/Lip Seals						
	1	351675	Overhaul Gasket Set wo/Seals		M	M	O	O	
	1	351147	Lower Gasket Set w/Lip Seals						
	1	351259	Crankcase Gasket Set wo/Seals						
	1	351329	Block Gasket Set						
	1	351661	Timing Cover Gasket						
	1	351126	Pan Gasket (Sheet Metal Pan)						
	1	351127	Pan Gasket (Cast or Aluminum Pan)						
	1	351311	Pan Gasket Set (2-Gaskets, 2-O-Rings, 1-D-Ring)						I
	1	351128	Front Crank Seal		M	M	O	O	
	1	351228	Front Crank Seal Kit (Includes Wear Sleeve)						
	1	351129	Rear Crank Seal Kit (Lip Type)		M	M	O	O	
	3	251563	Pin Bushing (Boreable / 1.375" Pin)		M	M			
	3	251564	Pin Bushing (Honeable / 1.375" Pin)						
	6	751168	Rod Bolt: Rods Marked R51727 (2.125" Length)		M	M	O	O	I
	6	751128	Rod Bolt: Rods Marked R80034 (2.375" Length)						
	14	751329	Head Bolt (1/2 x 4.250")						
	14	751327	Head Bolt Washer						

(1)Liner Shims: .002 - 151475 / .004 - 151476

(2)Special Valve Cover Screw - 751256

JD-164-H

5/12/2006

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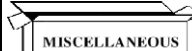
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	QTY	ITEM #	DESCRIPTION	LETTERED ITEMS INCLUDED IN KIT				
	1	959511	Camshaft Kit					C
	1	959327	Basic Valve Kit				B	
	1	959127	Valve Train Kit				V	
	1	551134	Camshaft "Use w/Screw-In Tach Drive (3)"					C
	1	551112	Cam Thrust Plate					
	6	551113	Tappet					C
	3	451221	STD Exhaust Valve (45 Degree) (4)		V		B	
	3	451222	STD Intake Valve (45 Deg) (5)		V		B	
	6	401149	Ex/In Service Repair Valve Guide (.564 OD / 2.750" OAL) (6)					
	6	451115	Valve Spring		V		B	
	6	451187	Rotator "Will Replace 451411 Spring Retainer"		V			
	6	451198	Valve Wear Cap					
	12	451164	Keeper (Half)		V		B	
	3	451519	Exhaust Seat, OEM Seat (1.412 x 1.638 x .218 x 45 Deg)					
	3	401186	Exhaust Seat, STD Cutter (1.375 x 1.687 x .219 x 45 Deg)					
	3	401168	Intake Seat, STD Cutter (1.625 x 1.875 x .219 x 45 Degree)					
	6	451124	Rocker Arm					
	1	451125	Rocker Arm Shaft					
	2	451165	Rocker Arm Shaft Plug (.464") "Early .500" Plug - 451521"					
	1	551137	Cam Gear (48 Teeth)					
	1	551138	Crank Gear (24 Teeth)					
	1	551166	Upper Idler Gear (55 Teeth) "Bushing - 551142 (.840" Wide)"					
	1	551141	Lower Idler Gear (45 Teeth) "Bushing - 551143 (.750" Wide)"					
	6	551342	Push Rod					
	1	651128	New Oil Pump "May Need 651132 Outlet Tube"					
	1	651131	Oil Pump Kit (1.625" Gears)					
	1	651132	Oil Pump Outlet Tube "Use w/Replacement Pump"					
	1	651133	Oil Pump Inlet Screen: Except 830, 930, 1030, 1130					
	1	651255	Oil Pump Inlet Screen: 830, 930, 1030, 1130					
	1	651142	Oil Pressure Regulator Valve Kit					
	1	651151	Oil Cooler (10 Plate Doughnut Type) (7)					
	1	751111	Crankshaft					
	3	751336	Connecting Rod (1.375" Pin)					
	1	851188	Fuel Pump: Except 830, 930, 1020, 1030, 1120, 1130					
	1	851247	Fuel Pump: 830, 930, 1020, 1030, 1120, 1130					
	1	851163	Thermostat (180 Degree) (8)					
	1	851317	Water Pump: Except 350C; 3164D Codes 2002 & 2005					
	1	851318	Water Pump: 350C; 3164D Codes 2002 & 2005					
	1	851321	Water Pump Kit: Except 350C; 3164D Codes 2002 & 2005					
	1	851192	Water Pump Kit: 350C; 3164D Codes 2002 & 2005					

(3)Late Screw-In Tach Drive: Shaft Type - 551136 / Gear Type (.541 Gear Length) - 551146 / Gear Type (.711 Gear Length) - 551147

(4)Oversizes: .003 - 451513 / .015 - 451514 / .030 - 451515

(5)Oversizes: .003 - 451516 / .015 - 451517 / .030 - 451518

(6)For Spiral ID - 401189 (.502 OD)

(7)May Need Installation Kit - 651252

(8)192 Deg - 851172 / 205 Deg - 851316

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