

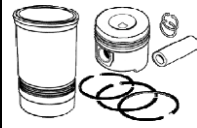
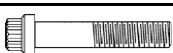
JOHN DEERE



ENGINE: 6531T
Turbocharged

BORE: 4.750" 6 Cyl Diesel NOTES: Hi-Compression, Use On Aftercooled Engines For High Compression Upgrade

APPLICATION: Compactors: 646B; Graders: JD770; Early 770A, 772A;
Wheel Loaders: JD644B;

	QTY	ITEM #	DESCRIPTION	LETTERED ITEMS INCLUDED IN KIT				
	1	951198	Underhaul Kit					U
	1	954179	In-Frame Kit				I	
	1	955179	Out-of-Frame Kit			O		
	1	956179	Major Kit	M				
	6	151451	Sleeve & Piston Assembly (Hi-Compression)	M	O		I	
	6	151452	Piston Kit (Includes Pin & Rings)					
	6	151453	Liner Assembly					
	6	151454	Liner O-Ring Package					
	6	151582	.050 Liner Shim					
	6	151456	Piston Ring Set (2-5/32K 1-3/16)					
	6	251233	STD Rod Bearing	M	O		I	U
	6	251234	.002 Rod Bearing					
	6	251235	.010 Rod Bearing					
	6	251236	.020 Rod Bearing					
	6	251237	.030 Rod Bearing					
	1	251238	STD Main Bearing Set w/Thrust Washers	M	O		I	U
	1	251239	.002 Main Bearing Set w/Thrust Washers					
	1	251241	.010 Main Bearing Set w/Thrust Washers					
	1	251242	.020 Main Bearing Set w/Thrust Washers					
	1	251243	.030 Main Bearing Set w/Thrust Washers					
	1	251541	STD Thrust Washer Set					
	1	251542	.007 Thrust Washer Set					
	1	351627	Head Gasket Set				I	
	1	351282	Head Gasket					
	1	351621	Valve Cover Gasket (1)					
	1	351279	Aftercooler Gasket Set (2) "Add To Kit If Aftercooled"					
	1	351628	Crankcase Gasket Set wo/Seals					
	1	351619	Block Gasket Set					
	1	351629	Timing Cover Gasket					
	1	351547	Full Gasket Set w/Seals	M	O			
	1	351631	Overhaul Gasket Set wo/Seals					
	1	351278	Pan Gasket Set: Tractors				I	U
	1	351277	Pan Gasket: Tractors					
	1	351633	Pan Gasket: Compactors, Graders, Loaders (2)					
	1	351152	Front Crank Seal Kit	M	O			
	1	351158	Rear Crank Seal Kit	M	O			
	1	351632	Rear Seal Housing Gasket					
	6	251545	Pin Bushing (Boreable / 1.875" Pin)	M				
	6	251546	Pin Bushing (Honeable / 1.875" Pin)					
	4	251259	Cam Bearing	M				
	1	751182	Rear Cam Plug	M				
	12	751161	Rod Bolt	M	O		I	U
	1	751295	Head Bolt Kit, w/Head # R48270 or R86702					
	1	751297	Head Bolt Kit, w/Head # R116836					
	1	751298	Head Bolt Kit, w/Head #R121677					

(1)Special Valve Cover Screw - 751256

(2)Not Included In Gasket Sets or Kits

JD-531-F

1/15/2009

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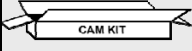
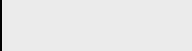
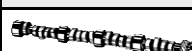
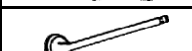
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Wheel Loaders: JD644B;

	QTY	ITEM #	DESCRIPTION	LETTERED ITEMS INCLUDED IN KIT				
	1	959523	Camshaft Kit					C
	1	959338	Basic Valve Kit				B	
	1	959138	Valve Train Kit				V	
	1	551314	Camshaft					C
	1	551189	Thrust Plate (4 Bolt/.120" Thick) "Use w/Original Cam Gear"					C
	1	551186	Thrust Plate (4 Bolt/.187" Thick) "Use w/R99597 Cam Gear"					C
	1	551319	Cam Gear Bolt, Late or Replacement Cam (1/2 x 4.500")					C
	12	551316	Tappet					C
	6	451238	Exhaust Valve		V		B	
	6	451239	Intake Valve		V		B	
	12	451233	Valve Guide		V		B	
	12	451176	Outer Valve Spring		V		B	
	12	451234	Inner Valve Spring		V		B	
	12	451191	Rotator		V		B	
	24	451461	Keeper (Half)		V		B	
	12	451186	Valve Wear Cap "Used With Late Style Short Valves"					
	12	451473	Spring Retainer					
	6	451474	STD Exhaust Valve Seat (1.616-T-1.672 x 1.991 x .309)					
	6	451475	.010 Exhaust Valve Seat (1.616-T-1.672 x 2.001 x .309)					
	6	451476	STD Intake Valve Seat (1.705-T-1.785 x 2.136 x .319)					
	6	451477	.010 Intake Valve Seat (1.705-T-1.785 x 2.146 x .319)					
	6	451462	Rocker Arm, LH					
	6	451463	Rocker Arm, RH					
	1	451464	Rocker Arm Shaft (3)					
	3	451478	Rocker Arm Shaft Clamp (Cast Bridge)					
	1	551324	Cam Gear (Late Design R99597) "Use w/551186 & 551323"					
	1	551322	Crank Timing Gear					
	12	551325	Push Rod					
	1	651242	Oil Pump Drive Gear/Shaft					
	1	651243	Oil Pump Gear Set					
	1	651244	Oil Pump Screen					
	1	651245	Oil Cooler					
	1	751125	Crankshaft					
	1	751312	Damper: 644B, 646B					
	1	751299	Damper Pulley: JD770, 770A, 772A					
	1	851293	Breather Element					
	3	851174	Thermostat, 180 Degree					
	3	851259	Thermostat, 192 Degree					
	3	851286	Thermostat, 195 Degree					
	1	851288	Water Pump: 644B, 646B					
	1	851395	Water Pump Kit: 644B, 646B (No Shaft)					
	1	851396	Water Pump Kit: Late 644B, 646B (Includes Shaft) (4)					
	1	851287	Water Pump Kit: JD770, 770A, 772A					
	1	851248	Block Heater					
	1	751311	Exhaust Manifold Bolt Kit (10 Bolts & Manifold Washers)					

(3)Rocker Arm Shaft Plug - 451465

(4)After ESN 300005 (R62190 Housing)

JD-531-F

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