

JOHN DEERE



ENGINE: 6619A Early Aftercooled
6619T Early Turbocharged

BORE: 5.125" 6 Cyl Diesel NOTES: Block # R57424, R65628, R69312; Curved CB Relief; Rod # R57484, R66925;

APPLICATION: Crawlers: 850 Thru ESN 33885; 855 Thru ESN 34178; Excavators: 890 Thru ESN 30480;
Forage Harvesters: 5460 Thru ESN 34540; Power Units: 6619AF, 6619TF Thru 33814;
Scrapers: JD762 Thru ESN 34194; JD860B Thru ESN 31521; Tractors: 8630 Thru ESN 33814;

	QTY	ITEM #	DESCRIPTION	LETTERED ITEMS INCLUDED IN KIT				
	1	951311	Underhaul Kit					U
	1	954311	In-Frame Kit				I	
	1	955311	Out-of-Frame Kit			O		
	1	956311	Major Kit				M	
	6	151585	Sleeve & Piston Assembly				M	
	6	151586	Piston Assembly			O		I
	6	151587	Liner Assembly (1)					
	6	151458	Liner O-Ring Package					
	6	151591	Block Repair Insert, Upper Counterbore (Semi-Finished ID)					
	6	151592	Block Repair Insert, Lower Liner Pilot Bore (2 Pc Insert)					
	6	151459	Piston Ring Set (2-5/32K 1-3/16)					
	6	251341	STD Rod Bearing				M	
	6	251342	.002 Rod Bearing			O		I
	6	251343	.010 Rod Bearing					U
	6	251344	.020 Rod Bearing					
	6	251345	.030 Rod Bearing					
	1	251281	STD Main Bearing Set w/Thrust Washers				M	
	1	251282	.002 Main Bearing Set w/Thrust Washers			O		I
	1	251283	.010 Main Bearing Set w/Thrust Washers					U
	1	251284	.020 Main Bearing Set w/Thrust Washers					
	1	251285	.030 Main Bearing Set w/Thrust Washers					
	1	251541	STD Thrust Washer Set					
	1	251542	.007 Thrust Washer Set					
	1	351638	Head Gasket Set, wo/Aftercooler Housing Gaskets (2)					I
	1	351621	Valve Cover Gasket (3)					
	2	351635	Aftercooler Housing Gasket (4)					
	1	351548	Full Gasket Set w/Seals					
	1	351639	Overhaul Gasket Set wo/Seals			O	M	
	1	351628	Crankcase Gasket Set wo/Seals					
	1	351619	Block Gasket Set (5)					
	1	351278	Pan Gasket Set: Except Crawlers, Scrapers, Excavators					U
	1	351277	Pan Gasket: Except Crawlers, Scrapers, Excavators					
	1	351633	Pan Gasket: JD762 Scrapers (6)					
	1	351641	Pan Gasket: 850, 855, JD860B, JD890 (6)					
	1	351152	Front Crank Seal Kit			O	M	
	1	351158	Rear Crank Seal Kit			O	M	
	1	351632	Rear Seal Housing Gasket					
	6	251547	Pin Bushing (Boreable / 2.000" Pin / 6 Degree Taper)				M	
	6	251548	Pin Bushing (Honeable / 2.000" Pin / 6 Degree Taper)					
	4	251259	Cam Bearing				M	
	1	751182	Rear Cam Plug				M	
	12	751161	Rod Bolt			O	M	
	1	751313	Head Bolt Kit, Early (Block # R57424)					I
	1	751314	Head Bolt Kit, Late (Block # R65628 or R69312)					U

(1)Liner Shims: 0.05MM - 151588 / 0.10MM - 151589

(2)Head Gasket - 351296

(3)Special Valve Cover Screw - 751256

(4)Not Included In Head Gasket Sets or In-Frame Kits

(5)Timing Cover Gasket - 351629

(6)Not Included In Gasket or Overhaul Kits

JD-619-A

4/8/2006

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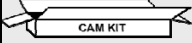
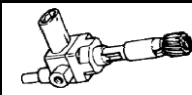
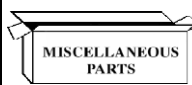
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	1	959523	Camshaft Kit					C
	1	959337	Basic Valve Kit, Early (Head # R57425 / 45 Degree Exhaust)				B	
	1	959326	Basic Valve Kit, Late (Except Head # R57425 / 30 Degree Ex)				B	
	1	959137	Valve Train Kit, Early (Head # R57425 / 45 Degree Exhaust)			V		
	1	959126	Valve Train Kit, Late (Exc Head # R57425 / 30 Degree Ex)			V		
	1	551314	Camshaft (7)					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/Service 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, Early (Head # R57425 / 45 Degree)		V		B	
	6	451231	Exhaust Valve, Late (Except Head # R57425 / 30 Degree)	V		B		
	6	451232	Intake Valve (20 Degree)	V	V	B	B	
	12	451233	Valve Guide	V	V	B	B	
	12	451176	Outer Valve Spring	V	V	B	B	
	12	451234	Inner Valve Spring	V	V	B	B	
	12	451191	Rotator	V	V			
	24	451461	Keeper (Half)	V	V	B	B	
	12	451186	Valve Wear Cap "Used With Late Style Short Valves"					
	12	451473	Spring Retainer					
	6	451474	STD Ex Seat (1.616-T-1.672 x 1.991 x .309 / 45 Degree)					
	6	451479	STD Ex Seat (1.616-T-1.672 x 1.991 x .309 / 30 Degree)					
	6	451482	STD In Seat (1.705-T-1.785 x 2.136 x .296 / 20 Degree)					
	6	451462	Rocker Arm, LH					
	6	451463	Rocker Arm, RH					
	1	451464	Rocker Arm Shaft (8)					
	3	451478	Rocker Arm Shaft Clamp (Cast Bridge)					
	1	551326	Cam Gear (50/42 Tooth) "Use w/551327, 551186 & 551323"					
	1	551327	Injection Pump Gear (Late Design 42 Tooth) "Use w/551326"					
	1	551322	Crank Timing Gear					
	12	551325	Push Rod					
	1	651242	Oil Pump Drive Gear/Shaft					
	1	651243	Oil Pump Gear Set					
	1	651247	Oil Pump Screen: 850, 855, JD860B					
	1	651244	Oil Pump Screen: Except 850, 855, JD860B					
	1	651246	Oil Cooler					
	1	751125	Crankshaft					
	1	851293	Breather Element					
	3	851174	Thermostat (180 Degree)					
	3	851259	Thermostat (192 Degree)					
	1	851289	Water Pump Kit: JD860B Scraper (9)					
	1	851292	Water Pump Kit: JD762, JD890, 5460, 8630 (10)					
	1	851295	Water Pump Kit: 850, 855 Crawlers (11)					
	1	851248	Block Heater (Press Fit Design)					
	1	751311	Exhaust Manifold Bolt Kit (10 Bolts & Manifold Washers)					

(7)Cam Key - 551315

(8)Rocker Arm Shaft Plug - 451465

(9)Water Pump Housing # R65237, R116418, R124058

(10)Water Pump Housing # R58705, R124057

(11)Water Pump Housing # R66661, R70037, R100799, R124135

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