

JOHN DEERE



ENGINE: 6619A Mid Aftercooled
6619T Mid Turbocharged

BORE: 5.125" 6 Cyl Diesel NOTES: Block # R63199, R69312, R72130, R74123; Curved CB Relief; Rod # R63959

APPLICATION: Crawlers: 850 ESN 33886-49059; 855 ESN 34179-49059; Excavators: 890, 890A ESN 30481-49059;
Forage Harvesters: 5460, 5820 ESN 34541-48933; Power Units: 6619AF, 6619TF #33815-49059;
Scrapers: JD762 ESN 34195-49059; JD860B ESN 31522-49059; 862 Thru ESN 49059;
Tractors: 8640 ESN 33815-49059; 8650 Thru ESN 49059;

	QTY	ITEM #	DESCRIPTION	LETTERED ITEMS INCLUDED IN KIT				
	1	951311	Underhaul Kit					U
	1	954312	In-Frame Kit				I	
	1	955312	Out-of-Frame Kit		O			
	1	956312	Major Kit	M				
	6	151593	Sleeve & Piston Assembly	M	O		I	
	6	151594	Piston Assembly					
	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	O		I	U
	6	251342	.002 Rod Bearing					
	6	251343	.010 Rod Bearing					
	6	251344	.020 Rod Bearing					
	6	251345	.030 Rod Bearing					
	1	251281	STD Main Bearing Set w/Thrust Washers	M	O		I	U
	1	251282	.002 Main Bearing Set w/Thrust Washers					
	1	251283	.010 Main Bearing Set w/Thrust Washers					
	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) "Breather Element - 851293"					
	2	351635	Aftercooler Housing Gasket (4)					
	1	351548	Full Gasket Set w/Seals	M	O			
	1	351639	Overhaul Gasket Set wo/Seals					
	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, JD862, JD890, 890A (6)					
	1	351152	Front Crank Seal Kit	M	O			
	1	351158	Rear Crank Seal Kit	M	O			
	1	351632	Rear Seal Housing Gasket					
	6	251551	Pin Bushing (Boreable / 2.000" Pin / Stepped-Tapered)	M				
	6	251552	Pin Bushing (Honeable / 2.000" Pin / Stepped-Tapered)	M				
	4	251259	Cam Bearing	M				
	1	751182	Rear Cam Plug	M				
	12	751161	Rod Bolt	M	O		I	U
	1	751314	Head Bolt Kit (Original Head # R74124, R81234, R86703)					

(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-B

4/8/2006

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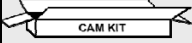
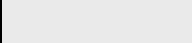
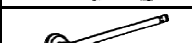
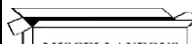
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	QTY	ITEM #	DESCRIPTION	LETTERED ITEMS INCLUDED IN KIT				
	1	959523	Camshaft Kit					C
	1	959326	Basic Valve Kit				B	
	1	959126	Valve Train Kit				V	
	1	551314	Camshaft (7)					C
	1	551189	Thrust Plate (4 Bolt/.120" Thick) "Use w/Original Cam Gear"					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	451231	Exhaust Valve (30 Degree)		V		B	
	6	451232	Intake Valve (20 Degree)		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					
	12	451473	Spring Retainer					
	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, Early (Cam Driven Pump)					
	1	651243	Oil Pump Gear Set, Early (Cam Drive Pump)					
	1	651227	Oil Pump (Crank Driven Pump)					
	1	651248	Oil Pump Kit (Crank Driven Pump)					
	1	651246	Oil Cooler					
	1	751125	Crankshaft "Oil Pump Drive Gear - 751143"					
	3	851174	Thermostat (180 Degree) "For 192 Degree Use 851259"					
	1	851296	Water Pump Kit: Early 8640; Early 5820 (9)					
	1	851289	Water Pump Kit: JD860B, JD862 Scrapers (10)					
	1	851292	Water Pump Kit: JD762, JD890, 890A, 5460 (11)					
	1	851294	Water Pump Kit: Late 5820; Late 8640 (12)					
	1	851297	Water Pump Kit: 8650 Tractor (13)					
	1	851295	Water Pump Kit: 850, 855 Crawlers (14)					
	1	851248	Block Heater, Early (Press Fit Design)					

(7)Cam Key - 551315 (8)Rocker Arm Shaft Plug - 451465 (9)Housing # R67350 (10)Housing # R65237, R116418, R124058
(11)Water Pump Housing # R58705, R124057 (12)Housing # R74445, R86780, R98303, R104709, R124059 & Impeller # R82050
(13)Housing # R74445, R86780, R98303, R104709, R124059 & Impeller # R84180 (14)Housing # R66661, R70037, R100799, R124135

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