

JOHN DEERE



ENGINE: 6619A/T After 49059
6101A/H Thru 499999

BORE: 5.125"	6 Cyl	Diesel	NOTES: Block R75934, R87552, R88217, R98554, R105739; Square Relief; Rod R63959
APPLICATION:	Crawlers: 850, 855 After ESN 49059; Excavators: 890A, 992DLC After ESN 49059; Forage Harvesters: 5820, 5830 After ESN 48933; Power Units: 6619AF, 6619TF After ESN 49059; Scrapers: 862 After ESN 49059; 862B Thru ESN 499999 Tractors: 8650 After ESN 49059; 8760 Thru 499999; Wheel Loaders: 744E Thru ESN 499999;		

	QTY	ITEM #	DESCRIPTION	LETTERED ITEMS INCLUDED IN KIT				
	1	951311	Underhaul Kit					U
	1	954313	In-Frame Kit				I	
	1	955313	Out-of-Frame Kit			O		
	1	956313	Major Kit			M		
	6	151595	Sleeve & Piston Assembly	M	O		I	
	6	151594	Piston Assembly					
	6	151596	Liner Assembly (9.838" OAL) (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: 5820, 5830, 8650					U
	1	351641	Pan Gasket: Except 5820, 5830, 8650 (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, Thru # 55424 (Block # R75934)					
	1	751316	Head Bolt Kit, After # 55424 (9-6.7" 15-7.7" 2-9.7" Bolts) (7)					
	1	751298	Head Bolt Kit, After # 55424 (Head # R121675 or R121676)					

(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

(7) Original Cylinder Head

JD-619-C

4/8/2006

CLICK THE ITEM # TO VIEW OR PURCHASE PART

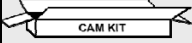
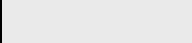
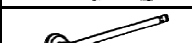
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	QTY	ITEM #	DESCRIPTION	LETTERED ITEMS INCLUDED IN KIT				
	1	959523	Camshaft Kit					C
	1	959326	Basic Valve Kit				B	
	1	959126	Valve Train Kit				V	
	1	551314	Camshaft (8)					C
	1	551189	Thrust Plate (.120" Thick) "Use w/Original Early Cam Gear"					C
	1	551186	Thrust Plate (.187" Thick) "Use w/Service or Late 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 (9)					
	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	651227	Oil Pump (Crank Driven Pump)					
	1	651248	Oil Pump Kit (Crank Driven Pump)					
	1	651246	Oil Cooler					
	1	751125	Crankshaft					
	1	751143	Crank Mounted Oil Pump Drive Gear					
	3	851174	Thermostat (180 Degree) "Some Engines Use 1 or 2 Only"					
	3	851259	Thermostat (192 Degree)					
	1	851289	Water Pump Kit: JD862, 862B Scrapers (10)					
	1	851292	Water Pump Kit: 890A, 992DLC (11)					
	1	851294	Water Pump Kit: 5820, 5830 (12)					
	1	851297	Water Pump Kit: 8650, 8760 Tractor (13)					
	1	851295	Water Pump Kit: 744E, 850, 855 Crawlers (14)					
	1	851249	Block Heater (Threaded Plug Design)					

(8) Cam Key - 551315 (9)Rocker Arm Shaft Plug - 451465 (10)Water Pump Housing # R65237, R116418, R124058
(11)Water Pump Housing # R58705, R124057 (12)Housing # R74445, R86780, R98303, R104709, R124059 & Impeller # R82050
(13)Hsg # R74445, R86780, R98303, R104709, R124056, R124059 & Impeller R84180 (14)Hsg # R66661, R70037, R100799, R124135