

JOHN DEERE



ENGINE: 6414T
Turbocharged

BORE:4.1929"	6 Cyl	Diesel	NOTES: .375" Valve Stem Diameter, 1.625" Piston Pin, 8.580" OAL Liners
APPLICATION:	Crawlers: 655, 655B, 750B, 755A, 755B, 755BH, JD750, JD755; Excavators: 690D, 690DR Thru ESN 299999 Feller Bunchers: 643, 693D; Graders: 670B, 672B, JD670, JD670A, JD672A; Power Units: 6414T; Log Skidders: 640D, 648D, JD640; Wheel Loaders: 544C, 544D, 544DH, 624E, 624EH, JD544B;		

	QTY	ITEM #	DESCRIPTION	LETTERED ITEMS INCLUDED IN KIT			
	1	954237	In-Frame Kit				I
	1	955237	Out-of-Frame Kit		O		
	1	956237	Major Kit	M			
	6	151651	Sleeve & Piston Asb (Marked AR66401 or AR96389)	M	O		I
	6	151655	Sleeve & Piston Asb, Optional Hi-Ring (Marked RE48469)				
	6	151652	Piston Assembly (Marked AR66401 or AR96389)				
	6	151656	Piston Assembly, Optional Hi-Ring (Marked RE48469)				
	6	151123	Liner Assembly (8.580" OAL) (1)				
	6	151115	Liner O-Ring Package				
	6	151647	Block Repair Sleeve, Lower Liner Pilot Bore (.930" OAL)				
	6	151116	Piston Ring Set (1-1/8K 1-3/32 1-3.5MM)				
	6	251382	STD Rod Bearing	M	O		I
	6	251384	.010 Rod Bearing				
	6	251385	.020 Rod Bearing				
	6	251386	.030 Rod Bearing				
	1	251271	STD Main Bearing Set	M	O		I
	1	251272	.010 Main Bearing Set				
	1	251273	.020 Main Bearing Set				
	1	251274	.030 Main Bearing Set				
	1	351184	Head Gasket Set				I
	1	351336	Head Gasket				I
	1	351332	Valve Cover Gasket (Cork) (2)				
	1	351156	Valve Cover Gasket (SEMR) (2)				
	12	351161	Valve Seal (O-Ring)				
	12	351682	Valve Seal, Late Stepped Guide (Positive Type Viton) (3)				
	1	351712	Full Gasket Set w/Seals	M	O		
	1	351713	Overhaul Gasket Set wo/Seals				
	1	351711	Block Gasket Set				
	1	351661	Timing Cover Gasket				
	1	351155	Pan Gasket				I
	1	351687	Pan Gasket Set (2-Gaskets, 5-O-Rings)				I
	1	351128	Front Crank Seal	M	O		
	1	351154	Front Crank Spacer Assembly (3)				
	1	351228	Front Crank Seal Kit (Includes Wear Sleeve)				
	1	351129	Rear Crank Seal Kit	M	O		
	6	251565	Pin Bushing (Boreable / 1.625" Pin)	M			
	6	251566	Pin Bushing (Honeable / 1.625" Pin)				
	12	751341	Rod Bolt	M	O		I
	26	751329	Head Bolt, Early (1/2 x 4.250") "Use w/751327 Washers"				
	1	751348	Head Bolt Kit w/Washers, Mid (20-4.250" 6-4.410")				
	26	751129	Head Bolt, Late (4.410" Flanged Head)				

(1)Liner Shims: .002 - 151637 / .004 - 151638

(2)Special Valve Cover Screw - 751256

(3)Not Included In Gasket Sets Or Kits

JD-414-E

7/16/2006

CLICK THE ITEM # TO VIEW OR PURCHASE PART

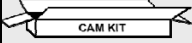
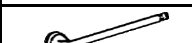
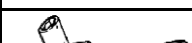
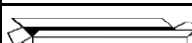
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	QTY	ITEM #	DESCRIPTION	LETTERED ITEMS INCLUDED IN KIT			
	1	959526	Camshaft Kit				C
	1	959329	Basic Valve Kit (30 Degree In & 45 Degree Ex Valves)			B	
	1	959344	Basic Valve Kit (30 Degree In & Ex Valves)			B	
	1	959129	Valve Train Kit (30 Degree In & 45 Degree Ex Valves)		V		
	1	959144	Valve Train Kit (30 Degree In & Ex Valves)		V		
	1	551559	Camshaft "Use w/Screw-In Tach Drive (4)"				C
	1	551112	Cam Thrust Plate				
	12	551113	Tappet				C
	6	451221	STD Exhaust Valve (45 Degree) (5)		V		B
	6	451229	STD Exhaust Valve (30 Degree) (6)		V	B	
	6	451223	STD Intake Valve (30 Degree) (7)		V	B	
	12	401149	Ex/In Service Repair Valve Guide (.564 OD / 2.750" OAL) (8)				
	12	451115	Valve Spring		V	B	
	12	451187	Rotator "Will Replace 451411 Spring Retainer"		V		
	12	451198	Valve Wear Cap				
	24	451164	Keeper (Half)		V	B	
	6	451519	Exhaust Seat, OEM (1.410 x 1.638 x .219 x 45°)				
	6	401186	Exhaust Seat, STD Cutter (1.375 x 1.687 x .219 x 45°)				
	6	451523	Exhaust Seat, OEM (1.383 x 1.638 x .209 x 30°)				
	6	451522	Intake Seat, OEM (1.608 x 1.858 x .209 x 30°)				
	12	451124	Rocker Arm				
	1	451243	Rocker Arm Shaft				
	2	451165	Rocker Arm Shaft Plug (.464")				
	1	551137	Cam Gear (48 Teeth)				
	1	551138	Crank Gear (24 Teeth)				
	1	551139	Upper Idler Gear (55 Teeth / 23 Notches) "Bushing - 551142"				
	1	551141	Lower Idler Gear (45 Teeth) "Bushing - 551143 (.750" Wide)"				
	12	551122	Push Rod (2-Ball Tips / 10.63" OAL)				
	1	651145	New Oil Pump (2.00" Gears) "May Need 651267 Outlet"				
	1	651149	Oil Pump Kit (2.000" Gears)				
	1	651267	Oil Pump Outlet Tube (Late Compression Fitting Type)				
	1	651271	Oil Cooler: Except Below (3.375" Core Diameter)				
	1	651269	Oil Cooler: Power Unit After ESN 138459 (2.375" Core Dia)				
	1	751119	Crankshaft, Early (4 Bolt Flange)				
	1	751121	Crankshaft, Late (6 Bolt Flange)				
	6	751347	Connecting Rod (1.625" Pin)				
	1	851188	Fuel Pump (Threaded Ports)				
	2	851174	Thermostat, Except Vertical Mounted (180° Bypass Type)				
	2	851298	Thermostat, Vertical Mounted (180°)				
			(9) Water Pumps (10) Pump Kits (11) Pump Kits wo/Impeller				

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

(5).003 - 451513 / .015 - 451514 / .030 - 451515 (6).003 - 451537 / .015 - 451538 (7).003 - 451524 / .015 - 451525

(8)Spiral ID - 401189 (.502 OD) (9)6414T Code 2001 - 851345 / JD640 - 851356 / JD544B - 851358

(10)6414T Codes 2001, 2023; 670B, 672B, 690D, 690DR, 693D, JD544B, JD640, JD670, JD670A, JD672A - 851332

(11)544C, 544D, 544DH, 624E, 624EH, 640D, 643, 648D; JD750, JD755 Thru 254437 - 851328

(11)655B, 750B, 755B After ESN 208367; JD750, JD755 After 254437 (Housing # R60601) - 851359

(11)655, 755A, JD750; 655B, 750B, 755B Thru ESN 208367 (Housing # R72748) - 851361