

JOHN DEERE



ENGINE: 6414D

Naturally Aspirated

BORE:4.1929"	6 Cyl	Diesel	NOTES: .375" Valve Stem Diameter, 1.625" Piston Pin, 8.580" OAL Liners
--------------	-------	--------	--

APPLICATION: Power Units: 6414D;
Wheel Loaders: JD544B;

	QTY	ITEM #	DESCRIPTION	LETTERED ITEMS INCLUDED IN KIT				
	1	954236	In-Frame Kit					I
	1	955236	Out-of-Frame Kit			O		
	1	956236	Major Kit			M		
	6	151648	Sleeve & Piston Asb (Marked AR68188)		M	O		I
	6	151653	Sleeve & Piston Asb, Optional Hi-Ring (Marked RE28919)					
	6	151649	Piston Assembly (Marked AR68188)					
	6	151654	Piston Assembly, Optional Hi-Ring (Marked RE28919)					
	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					
	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)					
	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-D

7/16/2006

CLICK THE ITEM # TO VIEW OR PURCHASE PART

1-800-443-0625 | WWW.JENSALES.COM

JOHN DEERE

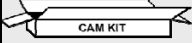
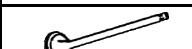
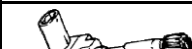
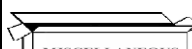


ENGINE: 6414D

Naturally Aspirated

BORE:4.1929"	6 Cyl	Diesel	NOTES: .375" Valve Stem Diameter, 1.625" Piston Pin, 8.580" OAL Liners
--------------	-------	--------	--

APPLICATION: Power Units: 6414D;
Wheel Loaders: JD544B;

	QTY	ITEM #	DESCRIPTION	LETTERED ITEMS INCLUDED IN KIT				
	1	959526	Camshaft Kit					C
	1	959318	Basic Valve Kit (45° In & Ex Valves)			B		
	1	959329	Basic Valve Kit (30° In & 45° Ex Valves)			B		
	1	959118	Valve Train Kit (45° In & Ex Valves)		V			
	1	959129	Valve Train Kit (30° In & 45° 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	V	B	B	
	6	451229	STD Exhaust Valve (30 Degree) (6)					
	6	451222	STD Intake Valve (45 Degree) (7)		V		B	
	6	451223	STD Intake Valve (30 Degree) (8)	V		B		
	12	401149	Ex/In Service Repair Valve Guide (.564 OD / 2.750" OAL) (9)					
	12	451115	Valve Spring	V	V	B	B	
	12	451187	Rotator "Will Replace 451411 Spring Retainer"	V	V			
	12	451198	Valve Wear Cap					
	24	451164	Keeper (Half)	V	V	B	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	451527	Intake Seat, OEM (1.584 x 1.858 x .208 x 45°)					
	6	401168	Intake Seat, STD Cutter (1.625 x 1.875 x .219 x 45°)					
	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: JD544B; 6414D Thru ESN 128417 (3.375" Core)					
	1	651269	Oil Cooler: 6414D After ESN 128417 (2.375" Core Diameter)					
	1	751119	Crankshaft (4 Bolt Flange)					
	6	751347	Connecting Rod (1.625" Pin)					
	1	851188	Fuel Pump (Threaded Ports)					
	2	851174	Thermostat, Bypass Type (180°)					
	1	851345	Water Pump: 6414D Code 2001					
	1	851358	Water Pump: JD544B					
	1	851332	Water Pump Kit: 6414D Codes 2001, 2023; JD544B					
	1	851249	Block Heater					

(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 - 451516 / .015 - 451517 / .030 - 451518

(8).003 - 451524 / .015 - 451525

(9)Spiral ID - 401189 (.502 OD)

JD-414-D

7/16/2006

CLICK THE ITEM # TO VIEW OR PURCHASE PART

1-800-443-0625 | WWW.JENSALES.COM