

JOHN DEERE



ENGINE: 6404T #215000-335845 Turbocharged
6404A #215000-335845 Aftercooled

BORE: 4.250" 6 Cyl Diesel NOTES: Block # R43310, R45980, R47020, R47110 / External Tube Type Oil Cooler

APPLICATION: Compactors: JD646; Excavators: JD690, JD690A; Forage Harvesters: Early 5200;
Tractors: 4320, 4520, 4620; Early 7020; Wheel Loaders: JD644, JD644A;

	QTY	ITEM #	DESCRIPTION	LETTERED ITEMS INCLUDED IN KIT				
	1	951418	Underhaul Kit					U
	1	954424	In-Frame Kit				I	
	1	955424	Out-of-Frame Kit			O		
	1	956424	Major Kit			M		
	1	956425	Major Kit (Hi-Comp / Hypereutectic Pistons)			M		
	6	151529	Sleeve & Piston Assembly		M	O	I	
	6	151531	Sleeve & Piston Asb (Hi-Comp / Hypereutectic Pistons)		M			
	6	151532	Piston Assembly					
	6	151519	Liner Assembly "Includes 151115 O-Ring Package"					
	1	151486	.002 Liner Shim					
	1	151521	Block Repair Insert, Lower Liner Pilot Bore (2 Grooves)					
	1	151522	Block Repair Insert, Lower Liner Pilot Bore (1 Groove)					
	6	151533	Piston Ring Set (2-5/32K 1-3/16)					
	6	151534	Piston Ring Set, Early Piston (1-5/32K 1-3/32 1-3/16)					
	6	251167	STD Rod Bearing	M	M	O	I	U
	6	251168	.002 Rod Bearing					
	6	251169	.010 Rod Bearing					
	6	251171	.020 Rod Bearing					
	6	251172	.030 Rod Bearing					
	1	251222	STD Main Bearing Set w/Thrust Washers	M	M	O	I	U
	1	251223	.002 Main Bearing Set w/Thrust Washers					
	1	251224	.010 Main Bearing Set w/Thrust Washers					
	1	251225	.020 Main Bearing Set w/Thrust Washers					
	1	251226	.030 Main Bearing Set w/Thrust Washers					
	1	251521	STD Thrust Washer Set					
	1	251522	.007 Thrust Washer Set					
	1	351542	Head Gasket Set, wo/Intercooler Gaskets (1)				I	
	1	351345	Valve Cover Gasket (2)					
	1	351527	Manifold Gasket Set					
	1	351559	Intercooler Gasket Set					
	1	351549	Full Gasket Set w/Seals "Block Gasket Set - 351539"					
	1	351557	Overhaul Gasket Set wo/Seals	M	M	O		
	1	351341	Timing Cover Gasket, Early Vertical Inj Pump (Heart Shape)					
	1	351536	Timing Cover Gasket, Mid Vertical Injection Pump					
	1	351561	Timing Cover Gasket, Late Horizontal Injection Pump					
	1	351157	Pan Gasket				I	U
	1	351152	Front Crank Seal Kit	M	M	O		
	1	351153	Rear Crank Seal Kit (3)	M	M	O		
	1	751179	Rear Seal Housing Bolt Kit (Self Locking Bolts & Washers)					
	6	251523	Pin Bushing (Boreable)		M			
	6	251524	Pin Bushing (Honeable)		M			
	4	251259	Cam Bearing		M	M		
	1	751182	Rear Cam Plug		M	M		
	12	751163	Rod Bolt	M	M	O	I	U
	1	751263	Head Bolt Kit					
	1	751183	Ex Manifold Bolt Kit (8 Bolts & Washers)					
	1	651157	Oil Pump Mtg Bolt Kit, Early (1.750" Bolts & Washers)					
	1	651223	Oil Pump Mtg Bolt Kit, Late (1.880" Bolts & Washers)					

(1)Head Gasket Only - 351534

(2)Special Valve Cover Screw - 751256

(3)Rear Seal Housing Gasket - 351342

JD-404-J

2/21/2006

CLICK THE ITEM # TO VIEW OR PURCHASE PART

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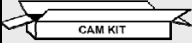
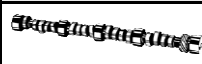
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	QTY	ITEM #	DESCRIPTION	LETTERED ITEMS INCLUDED IN KIT				
	1	959515	Camshaft Kit, w/Early Vertical Injection Pump					C
	1	959514	Camshaft Kit, w/Late Horizontal Injection Pump					C
	1	959313	Basic Valve Kit: 644 & 4520 Thru ESN 245546; 690 Thru ESN 249298				B	
	1	959314	Basic Valve Kit: Except Above				B	
	1	959146	Valve Train Kit: 644 & 4520 Thru ESN 245546; Early 690			V		
	1	959114	Valve Train Kit: Except Above			V		
	1	551193	Camshaft, w/Early Vertical Injection Pump (4) (5)					C
	1	551192	Camshaft, w/Late Horizontal Injection Pump (4) (5)					C
	1	551283	Cam Thrust Plate (4 Bolt / .187" Thick / Oil Notch)					
	1	551195	Cam Gear Bolt, Late or Replacement Cam (1/2 x 2.000") (6)					
	12	551181	Tappet					C C
	6	451216	STD Exhaust Valve (7)	V	V	B	B	
	6	451217	STD Intake Valve, Early (1.902" Hd Dia / 45 Degree) (8)		V		B	
	6	451218	STD Intake Valve, Late (1.750" Hd Dia / 30 Degree) (9)	V		B		
	12	401141	Service Repair Valve Guide (.502" OD / 3.062" OAL) (10)					
	12	451115	Valve Spring	V	V	B	B	
	12	451187	Rotator	V	V			
	12	451198	Valve Wear Cap					
	24	451164	Keeper (Half)	V	V	B	B	
	6	451412	STD Exhaust Seat (1.500x1.750x.250) "+.010 - 451414"					
	6	451413	STD Intake Seat, Early (1.687x1.937x.250) "+.010 - 451415"					
	6	451421	STD Intake Seat, Late (1.516x1.766x.250) "+.010 - 451422"					
	6	451257	Rocker Arm, LH					
	6	451258	Rocker Arm, RH					
	1	451264	Rocker Arm Shaft (11) "For Aluminum Clamps Use 451261"					
	1	551175	Cam Timing Gear, w/Early Vertical Injection Pump					
	1	551284	Cam Timing Gear, w/Late Horizontal Injection Pump					
	1	551182	Crank Timing Gear, Early Design Crank (.750" Wide)					
	1	551158	Crank Timing Gear, Late Design Crank (.910" Wide)					
	12	551277	Push Rod					
	1	651214	Oil Pump Drive Gear/Shaft, Early Vertical Injection Pump					
	1	651218	Oil Pump Drive Gear/Shaft, Late Horizontal Injection Pump					
	1	651222	Oil Pump Gear Set, Early Engines (1.500" Thick)					
	1	651215	Oil Pump Gear Set, Late Engines (1.750" Thick)					
	1	651221	Oil Pump Screen					
	1	651224	Oil Cooler: Except 4320; 4520 Thru ESN 303518					
	1	751123	Crankshaft (6 Bolt Flange) "Update Parts Kit - 751265"					
	1	751149	Damper Pulley: 4320, 4520 wo/AC; JD 690, JD690A					
	1	751151	Damper Pulley: 4320 w/Air Conditioning					
	1	751152	Vibration Damper: 4520 w/AC; 4620, 5200, 7020					
	1	851194	Thermostat, Early Single 195 Deg "Opt 180 Deg - 851258"					
	2	851174	Thermostat, Late Dual 180 Deg "Optional 192 Deg - 851259"					
	1	851261	Water Pump Kit: Except JD646; JD644A After ESN 323694					
	1	851188	Fuel Pump (Inlet Fitting Toward Rear At 45 Degrees)					
	1	851262	Fuel Pump (Inlet Fitting Toward Front At 45 Degrees)					
	1	851248	Block Heater, Late Style Block (12)					

(4)Key - 551173 (5).193" Spacer - 551198 (6)Gear Washer: 1.750" - 551194 / 2.000" - 551282 (10)Opt Hard Guide - 401193

(7).003 - 451394 / .015 - 451395 / .030 - 451396 (8).003 - 451397 / .015 - 451398 / .030 - 451399 (9).003 - 451417 / .015 - 451418

(11)For Early Rubber Plug Use 451262, For Late Style Flanged Steel Plug Use 451165

(12)Early Tank Heater Element - 851253