

JOHN DEERE



ENGINE: 6068T
Turbocharged/Aftercooled (6.8 Liter)

BORE:4.1929" 6 Cyl Diesel NOTES: .312" Valve Stem Diameter, 1.625" Piston Pin, 8.580" OAL Liners

APPLICATION: Combines: 9400; Crawlers: 655B, 750B, 750C, 755B; Excavators: 690D, 690DR, 690ELC, 790ELC;
TO-Dubuque Engine Feller Bunchers: 643, 643D, 653E; 693D After ESN 299999; Graders: 670B, 672B After ESN 299999;
PE-Torreon Engine Log Skidders: 640D, 640E, 640G, 648D, 648E, 648G; Power Units: 6068TF, 6068TFM (TO); 6068TF (CD)
CD-Saran Engine Tractors: 7400, 7500, 7600; Wheel Loaders: 624E, 624EH After ESN 299999; 624G, 624GH;

	QTY	ITEM #	DESCRIPTION	LETTERED ITEMS INCLUDED IN KIT					
	1	954239	In-Frame Kit: Except 7400, 7500, 7600 Tractors						I
	1	954249	In-Frame Kit: 7400, 7500, 7600 Tractors						I
	1	955239	Out-of-Frame Kit: Except 7400, 7500, 7600 Tractors				O		
	1	955249	Out-of-Frame Kit: 7400, 7500, 7600 Tractors				O		
	1	956239	Major Kit: Except 7400, 7500, 7600 Tractors		M				
	1	956249	Major Kit: 7400, 7500, 7600 Tractors		M				
	6	151655	Sleeve & Piston Assembly (Marked RE48469)	M	M	O	O	I	I
	6	151656	Piston Assembly (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	M	O	O	I	I
	6	251384	.010 Rod Bearing						
	6	251385	.020 Rod Bearing						
	6	251386	.030 Rod Bearing						
	1	251346	STD Main Bearing Set w/Thrust Washers	M	M	O	O	I	I
	1	251347	.010 Main Bearing Set w/Thrust Washers						
	1	251348	.020 Main Bearing Set w/Thrust Washers						
	1	251349	.030 Main Bearing Set w/Thrust Washers						
	1	251119	STD Thrust Washer Set						
	1	251121	.007 Thrust Washer Set						
	1	351184	Head Gasket Set						
	1	351336	Head Gasket						
	1	351156	Valve Cover Gasket (SEMR) (2)						
	12	351683	Valve Seal (Positive Type Viton) (3)						
	1	351692	Intercooler Gasket Set: 653E (3)						
	6	351657	Exhaust Manifold Gasket						
	1	351712	Full Gasket Set w/Seals: Except Tractors						
	1	351713	Overhaul Gasket Set wo/Seals: Except Tractors						
	1	351714	Overhaul Gasket Set wo/Seals: Tractors	M	M	O	O		
	1	351711	Block Gasket Set						
	1	351661	Timing Cover Gasket						
	1	351155	Pan Gasket						
	1	351687	Pan Gasket Set (2-Gaskets, 5-O-Rings)					I	I
	1	351128	Front Crank Seal	M	M	O	O		
	1	351154	Front Crank Spacer Assembly (3)						
	1	351228	Front Crank Seal Kit (Includes Wear Sleeve)						
	1	351129	Rear Crank Seal Kit	M	M	O	O		
	6	251565	Pin Bushing (Boreable / 1.625" Pin)	M	M				
	6	251566	Pin Bushing (Honeable / 1.625" Pin)						
	12	751341	Rod Bolt	M	M	O	O	I	I
	26	751129	Head Bolt (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-H

7/22/2006

CLICK THE ITEM # TO VIEW OR PURCHASE PART

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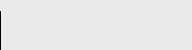
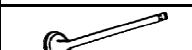
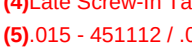


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	QTY	ITEM #	DESCRIPTION	LETTERED ITEMS INCLUDED IN KIT				
	1	959526	Camshaft Kit					C
	1	959334	Basic Valve Kit				B	
	1	959134	Valve Train Kit			V		
	1	551559	Camshaft "Use w/Screw-In Tach Drive (4)"					C
	1	551112	Cam Thrust Plate					C
	12	551113	Tappet					C
	6	451111	STD Exhaust Valve (5)		V		B	
	6	451113	STD Intake Valve (6)		V		B	
	6	451531	Exhaust Service Repair Valve Guide (.502 OD / 2.390" OAL)					
	6	451532	Intake Service Repair Valve Guide (.502 OD / 2.209" OAL)					
	12	451115	Valve Spring		V		B	
	12	451116	Rotator		V			
	24	451117	Keeper (Half)		V		B	
	6	451126	Ex Seat, OEM Dubuque (1.345-T-1.482 x 1.695 x .242) (7)					
	6	451119	Ex Seat, OEM Saran (1.345-T-1.482 x 1.697 x .243)					
	6	451127	In Seat, OEM Dubuque (1.550-T-1.650 x 1.857 x .257) (8)					
	6	451122	In Seat, OEM Saran (1.550-T-1.650 x 1.859 x .257)					
	12	451124	Rocker Arm, Early (Socket Type Adj Screw) "Use w/551122"					
	12	451533	Rocker Arm, Late (Ball Type Adj Screw) "Use w/551123"					
	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)					
	12	551123	Push Rod, Late Style (1-Socket 1-Ball / 10.43" OAL)					
	1	651145	Oil Pump: Except Below (2.00" Gears) "Pump Kit - 651149"					
	1	651128	Oil Pump: 6068TF Code 5005 (1.625") "Pump Kit - 651131"					
	1	651271	Oil Cooler Element (3.375" Core Diameter)					
	1	651269	Oil Cooler Element (2.375" Core Diameter)					
	1	651266	Oil Cooler: 6068TF (CD), 7400, 7500, 7600 (Doughnut)					
	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: Exc 6068TF (CD) & Vertical Mounted (180°) (9)					
			(10) Water Pumps (11) Pump Kits (12) 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).015 - 451112 / .030 - 451528 (6).015 - 451114 / .030 - 451529 (7)Oversize Ex Seat - 451121 (8)Oversize In Seat - 451123

(9)7400, 7600 Thermostat Kit - 851364 (10)6068TF Codes 2001, 2004 - 851345 / 7400 - 851351 / 7600 - 851354 / 9400 - 851356

(11)6068TF Codes 2001, 2002, 2004, 2005, 2008, 2009, 2023, 2029; 670B, 672B, 690D, 690DR, 693D, 790ELC, 9400 - 851332

(11)7600 - 851362

(12)6068TF Code 2025; 624E, 624EH, 624G, 624GH, 640D, 640E, 643, 643D, 648D, 648E, 653E - 851328

(12)655B, 750B, 755B After ESN 208367; 750C - 851359 / 655B, 750B, 755B Thru ESN 208367 - 851361