

# JOHN DEERE



ENGINE: 4219D/T (Late)  
Naturally Aspirated / Turbocharged

BORE: 4.0157" | 4 Cyl | Diesel | NOTES: 1.375" Piston Pin, O-Ring Grooves In Block

APPLICATION: Backhoe Loaders: 310A, 310B, 401C, 401D, 410, 410B; Combines: 3300, 4400; Cotton Pickers: 499;  
Crawlers: JD450B, 450C, 450D, 455D; Forklifts: JD480B, 480C; Sprayers: 6000;  
Tractors: 1830(E), 2030(E), 2030, 2120(E), 2440; Wheel Tractors: 401B; Windrowers: 2270, 2280, 2420;

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		QTY	ITEM #	DESCRIPTION	LETTERED ITEMS INCLUDED IN KIT				
	1	954221	In-Frame Kit (STD Compression)						I
	1	954254	In-Frame Kit (High Compression Option)						I
	1	955221	Out-of-Frame Kit (STD Compression)				O		
	1	955254	Out-of-Frame Kit (High Compression Option)				O		
	1	956221	Major Kit (STD Compression)			M			
	1	956254	Major Kit (High Compression Option)			M			
	4	151628	Sleeve & Piston Assembly (STD Compression)			M		O	I
	4	151631	Sleeve & Piston Assembly (High Compression Option)			M		O	I
	4	151629	Piston Assembly (STD Compression / Marked B)						
	4	151632	Piston Assembly (High Compression Option / Marked H)						
	4	151423	Liner Assembly (7.720" OAL) (1)						
	4	151424	Liner O-Ring Package						
	4	151478	Block Repair Sleeve, Lower Liner Pilot Bore (Grooves In Blk)						
	4	151626	Piston Ring Set (1-1/8K 1-3/32 1-5MM)						
	4	251111	STD Rod Bearing		M	M	O	O	I
	4	251112	.010 Rod Bearing						
	4	251113	.020 Rod Bearing						
	4	251114	.030 Rod Bearing						
	1	251266	STD Main Bearing Set		M	M	O	O	I
	1	251267	.010 Main Bearing Set						
	1	251268	.020 Main Bearing Set						
	1	251269	.030 Main Bearing Set						
	1	351676	Head Gasket Set						I
	1	351337	Head Gasket						I
	1	351325	Valve Cover Gasket (Cork) (2)						
	1	351151	Valve Cover Gasket (SEMR) (2)						
	4	351657	Exhaust Manifold Gasket						
	1	351677	Full Gasket Set w/Lip Seals						
	1	351314	Overhaul Gasket Set wo/Seals		M	M	O	O	
	1	351147	Lower Gasket Set w/Lip Seals						
	1	351259	Crankcase Gasket Set wo/Seals						
	1	351329	Block Gasket Set						
	1	351149	Pan Gasket (Cast or Aluminum Pan)						
	1	351327	Pan Gasket (Sheet Metal Pan)						
	1	351666	Pan Gasket Set (2-Gaskets, 3-O-Rings, 1-D-Ring 1-Sleeve)						I
	1	351128	Front Crank Seal		M	M	O	O	
	1	351228	Front Crank Seal Kit (Includes Wear Sleeve)		M	M	O	O	
	1	351129	Rear Crank Seal Kit		M	M	O	O	
	4	251563	Pin Bushing (Boreable / 1.375" Pin)		M	M			
	4	251564	Pin Bushing (Honeable / 1.375" Pin)		M	M			
	6	251423	Balancer Bushing		M	M			
	6	251424	2.00MM Oversize Balancer Bushing						
		8	751168	Rod Bolt: Rods Marked R51727 (2.125" Length)		M	M	O	O
8		751128	Rod Bolt: Rods Marked R80034 (2.375" Length)						
18		751329	Head Bolt: Except 2440 (4.250") "Use w/751327 Washers"						
1		751337	Head Bolt Kit w/Washers: 2440 (14-4.250" 4-4.410")						

(1)Liner Shims: .002 - 151475 / .004 - 151476

(2)Special Valve Cover Screw - 751256

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	1	959525	Camshaft Kit				C
	1	959316	Basic Valve Kit: Except 450D, 455D			B	
	1	959319	Basic Valve Kit: 450D, 455D (30 Degree Intake)			B	
	1	959116	Valve Train Kit: Except 450D, 455D		V		
	1	959119	Valve Train Kit: 450D, 455D (30 Degree Intake)		V		
	1	551343	Camshaft "Use w/Screw-In Tach Drive (3)"				C
	1	551112	Cam Thrust Plate				
	8	551113	Tappet				C
	4	451221	STD Exhaust Valve (45 Degree) (4)	V	V	B	B
	4	451222	STD Intake Valve: Except 450D, 455D (45 Degree) (5)			V	B
	4	451223	STD Intake Valve: 450D, 455D (30 Degree) (6)	V		B	
	8	401149	Ex/In Service Repair Valve Guide (.564 OD / 2.750" OAL) (7)				
	8	451115	Valve Spring	V	V	B	B
	8	451187	Rotator "Will Replace 451411 Spring Retainer"	V	V		
	8	451198	Valve Wear Cap				
	16	451164	Keeper (Half)	V	V	B	B
	4	451519	Exhaust Seat, OEM Seat (1.412 x 1.638 x .218 x 45 Deg)				
	4	401186	Exhaust Seat, STD Cutter (1.375 x 1.687 x .219 x 45 Deg)				
	4	401168	Intake Seat, STD Cutter (1.625 x 1.875 x .219 x 45 Degree)				
	4	451522	Intake Seat: 450D, 455D (1.608 x 1.858 x .209 x 30 Deg)				
	8	451124	Rocker Arm				
	1	451254	Rocker Arm Shaft				
	2	451165	Rocker Arm Shaft Plug (.464") "Early .500" Plug - 451521"				
	1	551137	Cam Gear (48 Teeth)				
	1	551138	Crank Gear (24 Teeth)				
	1	551166	Upper Idler Gear (55 Teeth) "Bushing - 551142 (.840" Wide)"				
	1	551141	Lower Idler Gear (45 Teeth) "Bushing - 551143 (.750" Wide)"				
	8	551342	Push Rod				
	1	651128	New Oil Pump "May Need 651132 Outlet Tube"				
	1	651131	Oil Pump Kit (1.625" Gears)				
	1	651132	Oil Pump Outlet Tube "Use w/Replacement Pump"				
	1	651133	Screen: Except Combine, Cotton Picker, European Tractors				
	1	651151	Oil Cooler: Except JD450B, 2030(E) (10 Plate Doughnut) (8)				
	1	751112	Crankshaft				
	4	751336	Connecting Rod (1.375" Pin)				
	1	751331	LH Balancer Shaft Asb "Replaces Early Style In Pairs"				
	1	751332	RH Balancer Shaft Asb "Replaces Early Style In Pairs"				
	1	851188	Fuel Pump: Exc JD440B, 1830(E), 2030(E), 2030, 2120(E)				
	1	851163	Thermostat: Except 410B (180 Degree) (9)				
	1	851317	Water Pump: (10)				
	1	851318	Water Pump: (11) "Kit w/Impeller - 851192 (11)"				
			(12) Other Pump Kits w/Impeller (13) Pump Kits wo/Impeller				

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

(4).003 - 451513 / .015 - 451514 / .030 - 451515 (5).003 - 451516 / .015 - 451517 / .030 - 451518 (6).003 - 451524 / .015 - 451525

(7)For Spiral ID - 401189 (.502 OD) (8)May Need Installation Kit - 651252 (9)192 Deg - 851172 / 205 Deg - 851316

(10)4219D Codes 2001, 2004; 1830(E); 2030(E) Thru ESN 197638; 2030, 2120, 2270, 2280, 2420, 2440, 6000

(11)4219D #2002, 2005; JD440B, JD450B, JD480B, 310A, 310B, 401B, 401C, 401D, 410, 450C, 450D, 455D, 480C, 7610, 7620, 7630

(12)4219 Codes 2001, 2004; 1830(E), 2030(E), 2030, 2120, 2270, 2280, 2420, 2440; 3300, 4400, 6000 - 851321 / 499 - 851196

(13)410B - 851329

JD-219-H

5/14/2006

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