

JOHN DEERE



ENGINE: 219 Diesel (Mid)
Naturally Aspirated / Turbocharged

BORE: 4.0157" 4 Cyl Diesel NOTES: Block # T32342, R53250, R55011, R72972, 1.1875" Pin, O-Ring Grooves In Block

APPLICATION: Backhoe Loaders: 410 Thru 189345; Combines: 3300 Thru ESN 277615; 4400 Thru ESN 277615;
Crawlers: JD450B Thru 187208; Log Skidders: JD440A After 103129; JD440A(C) After 21152;
Log Skidders: JD440B Thru 181034; Power Units: HA219D, HC219D, 219DH01, 219DH02 Thru 277615;
Power Units: Early 4219D; Tractors: 2120(E) ESN 75000-199742;
Tractors: 2520 After ESN 157575; 2030 Thru ESN 275484; Windrowers: 2270 Thru ESN 277615;

CLICK THE ITEM # TO VIEW OR PURCHASE PART

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		QTY	ITEM #	DESCRIPTION	LETTERED ITEMS INCLUDED IN KIT			
		1	954219	In-Frame Kit				I
		1	955219	Out-of-Frame Kit			O	
		1	956219	Major Kit	M			
		4	151627	Sleeve & Piston Assembly	M	O		I
		4	151625	Piston Assembly				
		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						
		4	251111	STD Rod Bearing	M	O		I
		4	251112	.010 Rod Bearing				
		4	251113	.020 Rod Bearing				
		4	251114	.030 Rod Bearing				
		1	251266	STD Main Bearing Set	M	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				
		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	M	O		
		1	351314	Overhaul Gasket Set wo/Seals				
		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	O		
		1	351228	Front Crank Seal Kit (Includes Wear Sleeve)				
		1	351129	Rear Crank Seal Kit	M	O		
		4	251421	Pin Bushing (Boreable)	M			
		4	251422	Pin Bushing (Honeable)				
		6	251423	Balancer Bushing	M			
		6	251424	2.00MM Oversize Balancer Bushing				
		8	751168	Rod Bolt: Rods Marked T20007 (2.125" Length)	M	O		I
		8	751128	Rod Bolt: Rods Marked R81410 (2.375" Length)				
		18	751326	Head Bolt, Block # T32342 (1/2 x 4.000")				
		18	751329	Head Bolt, Except Block # T32342 (1/2 x 4.250")				
		18	751327	Head Bolt Washer				

(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				B
	1	959116	Valve Train Kit			V	
	1	551343	Camshaft "Use w/Screw-In Tach Drive (3)"				C
	1	551112	Cam Thrust Plate				C
	8	551113	Tappet				C
	4	451221	STD Exhaust Valve (4)	V			B
	4	451222	STD Intake Valve (5)	V			B
	8	401149	Ex/In Service Repair Valve Guide (.564 OD / 2.750" OAL) (6)				
	8	451115	Valve Spring	V			B
	8	451187	Rotator "Will Replace 451411 Spring Retainer"	V			
	8	451198	Valve Wear Cap				
	16	451164	Keeper (Half)	V			B
	4	451519	Exhaust Seat, OEM Seat (1.412 x 1.638 x .218)				
	4	401186	Exhaust Seat, STD Cutter (1.375 x 1.687 x .219)				
	4	401168	Intake Seat, STD Cutter (1.625 x 1.875 x .219)				
	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 Tube & 651133 Inlet"				
	1	651129	Oil Pump Kit, w/Original Pump (1.417" Gears)				
	1	651131	Oil Pump Kit, Replacement Pump (1.625" Gears)				
	1	651132	Oil Pump Outlet Tube (2 Bends) "Use w/Repl Pump"				
	1	651133	Oil Pump Inlet Screen: Exc Combines (2 Bolt Mtg Flange)				
	1	651151	Oil Cooler: Except JD450B (10 Plate Doughnut Type) (7)				
	1	751112	Crankshaft				
	4	751328	Connecting Rod				
	1	751171	LH Balancer Shaft Asb "Upgrade To 751333 Matched Pair"				
	1	751172	RH Balancer Shaft Asb "Upgrade To 751333 Matched Pair"				
	1	851188	Fuel Pump: Except JD440A, JD440B, 2030, 2120				
	1	851247	Fuel Pump: JD440A, JD440B, 2030, 2120				
	1	851163	Thermostat, 180 Degree (8)				
	1	851317	Water Pump: 2030, 2120, 2270				
	1	851318	Water Pump: JD440A, JD440B, JD450B, 410, 2520				
	1	851192	Water Pump Kit (Includes Impeller)				

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

(4)Oversizes: .003 - 451513 / .015 - 451514 / .030 - 451515

(5)Oversizes: .003 - 451516 / .015 - 451517 / .030 - 451518

(6)For Spiral ID - 401189 (.502 OD)

(7)May Need Installation Kit - 651252

(8)192 Deg - 851172 / 205 Deg - 851316