

JOHN DEERE



ENGINE: 4039D

Naturally Aspirated (3.9 Liter)

BORE:4.1929" 4 Cyl Diesel NOTES: .312" Valve Stem Diameter, 1.375" Piston Pin, 7.720" OAL Liners

APPLICATION: Backhoe Loaders: 210C, 300D, 310C, 310D, 315C, 315D; Crawlers: 400G; Forklifts: 482C;

TO-Dubuque Engine Excavators: 190E, 290D, 70D; Power Units: 4039DF Thru ESN 699999 (Dubuque);

CD-Saran Engine Power Units: 4039DF (Saran); 4039DFM (Dubuque); Sprayers: 6000; Windrowers: 3430;

		QTY	ITEM #	DESCRIPTION	LETTERED ITEMS INCLUDED IN KIT			
		1	954242	In-Frame Kit				I
		1	955242	Out-of-Frame Kit		O		
		1	956242	Major Kit			M	
	4	151633	Sleeve & Piston Assembly		M	O	I	
	4	151635	Piston Assembly					
	4	151412	Liner Assembly (7.720" OAL) (1)					
	4	151115	Liner O-Ring Package					
	4	151639	Block Repair Sleeve, Lower Liner Pilot Bore (.870" OAL)					
	4	151116	Piston Ring Set (1-1/8K 1-3/32 1-3.5MM)					
	4	251111	STD Rod Bearing		M	O	I	
	4	251112	.010 Rod Bearing					
	4	251113	.020 Rod Bearing					
	4	251114	.030 Rod Bearing					
	1	251336	STD Main Bearing Set w/Thrust Washers		M	O	I	
	1	251337	.010 Main Bearing Set w/Thrust Washers					
	1	251338	.020 Main Bearing Set w/Thrust Washers					
	1	251339	.030 Main Bearing Set w/Thrust Washers					
	1	251119	STD Thrust Washer Set					
	1	251121	.007 Thrust Washer Set					
	1	351676	Head Gasket Set "Head Gasket Only - 351337"				I	
	1	351151	Valve Cover Gasket, w/Metal Cover (SEMR) (2)					
	1	351124	Valve Cover Gasket, w/Composite Cover (O-Ring) (3)					
	8	351683	Valve Seal (Positive Type Viton)					
	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	351684	Timing Cover Gasket, w/Composite Cover (O-Ring) (3)					
	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	351154	Front Crank Spacer Assembly					
	1	351228	Front Crank Seal Kit (Includes Wear Sleeve)					
	1	351129	Rear Crank Seal Kit		M	O		
	4	251563	Pin Bushing (Boreable / 1.375" Pin)		M			
	4	251564	Pin Bushing (Honeable / 1.375" Pin)					
	1	251123	Cam Bearing, Late Engines (3)					
	6	251423	Balancer Bushing		M			
	6	251424	2.00MM Oversize Balancer Bushing					
	8	751128	Rod Bolt: Rods Marked R80034 (2.375" Length)		M	O	I	
	18	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

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CD-Saran Engine Power Units: 4039DF (Saran); 4039DFM (Dubuque); Sprayers: 6000; Windrowers: 3430;

		QTY	ITEM #	DESCRIPTION	LETTERED ITEMS INCLUDED IN KIT			
		1	959525	Camshaft Kit				C
		1	959333	Basic Valve Kit				B
		1	959133	Valve Train Kit			V	
		1	551343	Camshaft "Use w/Screw-In Tach Drive (4)"				C
		8	551113	Tappet				C
		4	451111	STD Exhaust Valve (5)		V		B
		4	451113	STD Intake Valve (6)		V		B
		4	451531	Exhaust Service Repair Valve Guide (.502 OD / 2.390" OAL)				
		4	451532	Intake Service Repair Valve Guide (.502 OD / 2.209" OAL)				
		8	451115	Valve Spring		V		B
		8	451116	Rotator		V		
		16	451117	Keeper (Half)		V		B
		4	451126	Ex Seat, OEM Dubuque (1.345-T-1.482 x 1.695 x .242) (7)				
		4	451119	Ex Seat, OEM Saran (1.345-T-1.482 x 1.697 x .243)				
		4	451127	In Seat, OEM Dubuque (1.550-T-1.650 x 1.857 x .257) (8)				
		4	451122	In Seat, OEM Saran (1.550-T-1.650 x 1.859 x .257)				
		8	451124	Rocker Arm, Early (Socket Type Adj Screw) "Use w/551342"				
		8	451533	Rocker Arm, Late (Ball Type Adj Screw) "Use w/551344"				
		1	451254	Rocker Arm Shaft				
		2	451165	Rocker Arm Shaft Plug (.464")				
		1	551137	Cam Gear (48 Helical Teeth) "Spur Gear - 551114"				
		1	551138	Crank Gear (24 Helical Teeth) "Spur Gear - 551115"				
		1	551139	Upper Idler Gear (55T Helical / 23 Notches) "Bush - 551142"				
		1	551141	Lower Idler Gear (45T Helical) "Bush - 551143 (.750" Wide)"				
		8	551342	Push Rod, Early Style (2-Ball Tips / 9.21" OAL)				
		8	551344	Push Rod, Late Style (1-Socket 1-Ball / 9.15" OAL)				
		1	651128	New Oil Pump "May Need 651132 Outlet Tube"				
		1	651131	Oil Pump Kit (1.625" Gears)				
		1	651133	Oil Pump Inlet Screen: Except 4039DF Power Units				
		1	651151	Oil Cooler: Exc Saran Power Units (10 Plate Doughnut) (9)				
		1	751112	Crankshaft, Early (Short 35MM Nose)				
		1	751113	Crankshaft, Late (Long 60MM Nose)				
		4	751336	Connecting Rod (1.375" Pin)				
		1	751331	LH Balancer Shaft Assembly				
		1	751332	RH Balancer Shaft Assembly				
		1	851188	Fuel Pump (Threaded Ports) "Pump w/Hose Barbs - 851336"				
		1	851163	Stat: Exc Power Units (Single Non-Bypass/180 Degree) (10)				
				(11) New Water Pumps (12) Water Pump Kits				

- (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)May Need Installation Kit - 651252 (10)Single 180 Deg Bypass Type - 851333 / Dual 180 Deg Stat - 851174 "Other Temps Available"
- (11)290D, 70D - 851317 / 4039DF Code 2005; 210C, 400G, 482C - 851318 / 4039DF Code 2021 - 851319
- (11)4039DF Code 2004; 6000 - 851331 / 4039DF Codes 2013, 2022 - 851334
- (12)4039DF Codes 2004, 2007, 2014, 2021, 2026, 2033; 190E, 290D, 3430, 6000, 70D - 851321
- (12)4039DF Codes 2005, 2013, 2022; 210C, 400G, 482C - 851192 / 310C, 315C w/AC - 851328
- (12)4039DF Codes 2003, 2008, 2023, 2024; 4039DFM; 310C, 315C wo/AC - 851332

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