

JOHN DEERE



ENGINE: 4239T/A
Turbocharged/Aftercooled

BORE:4.1929" 4 Cyl Diesel NOTES: .375" Valve Stem Diameter, 1.625" Piston Pin, 7.720" OAL Liners

APPLICATION: Backhoe Loaders: 310C, 315C Thru ESN 299999; 515B; Excavators: 490;

TO-Dubuque Engine Power Units: 4239T (Dubuque), 4239T/A (Saran); Tractors: 2140(E), 2650(E), 2650N(E), 2850(E);

CD-Saran Engine Tractors: 2555 TSS, 2750, 2755, 2855N; Windrowers: 3830 Thru ESN 299999;

		QTY	ITEM #	DESCRIPTION	LETTERED ITEMS INCLUDED IN KIT				
		1	954223	In-Frame Kit (High Ring)				I	
		1	954259	In-Frame Kit (Low Ring)				I	
		1	955223	Out-of-Frame Kit (High Ring)			O		
		1	955259	Out-of-Frame Kit (Low Ring)			O		
		1	956223	Major Kit (High Ring)		M			
		1	956259	Major Kit (Low Ring)		M			
		4	151641	Sleeve & Piston Assembly (High Ring)		M	O	I	
		4	151642	Sleeve & Piston Assembly (Low Ring)		M	O	I	
		4	151643	Piston Assembly (High Ring)					
		4	151644	Piston Assembly (Low Ring)					
		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	M	O	O
			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	
		1	251267	.010 Main Bearing Set					
		1	251268	.020 Main Bearing Set					
		1	251269	.030 Main Bearing 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	351161	Valve Seal (O-Ring)					
		8	351682	Valve Seal, Late Stepped Guide (Positive Type Viton) (3)					
		1	351692	Intercooler Gasket Set (3)					
		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 "Block Gkt Set - 351329"					
		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	M	O	O	
		1	351154	Front Crank Spacer Assembly, Late Engines Only					
		1	351228	Front Crank Seal Kit (Includes Wear Sleeve)					
		1	351129	Rear Crank Seal Kit	M	M	O	O	
		4	251565	Pin Bushing (Boreable / 1.625" Pin)	M	M			
		4	251566	Pin Bushing (Honeable / 1.625" Pin)					
		6	251423	Balancer Bushing	M	M			
		6	251424	2.00MM Oversize Balancer Bushing					
		8	751128	Rod Bolt (2.375" Length)	M	M	O	O	
		18	751329	Head Bolt, Early (1/2x 4.250") "Use w/751327 Washers"				I	
		18	751129	Head Bolt, Late (4.410" Flanged Head)				I	

(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 | Tractors: 2555 TSS, 2750, 2755, 2855N; Windrowers: 3830 Thru ESN 299999;

		QTY	ITEM #	DESCRIPTION	LETTERED ITEMS INCLUDED IN KIT			
		1	959525	Camshaft Kit				C
		1	959319	Basic Valve Kit				B
		1	959119	Valve Train Kit			V	
		1	551343	Camshaft "Use w/Screw-In Tach Drive (4)"				C
		8	551113	Tappet				C
		4	451221	STD Exhaust Valve (45°) (5)		V		B
		4	451223	STD Intake Valve (30°) (6)		V		B
		8	401149	Ex/In Service Repair Valve Guide (.564 OD / 2.750" OAL) (7)				
		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 Dubuque (1.410 x 1.638 x .219 x 45°)				
		4	451535	Exhaust Seat, OEM Saran (1.410 x 1.640 x .218 x 45°)				
		4	401186	Exhaust Seat, STD Cutter (1.375 x 1.687 x .219 x 45°)				
		4	451522	Intake Seat, OEM Dubuque (1.608 x 1.858 x .209 x 30°)				
		4	451536	Intake Seat, OEM Saran (1.608 x 1.860 x .219 x 30°)				
		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)"				
		8	551342	Push Rod "Rocker Arm - 451124"				
		1	651128	Oil Pump: (8) (1.625" Gears) "Outlet - 651132 / Kit - 651131"				
		1	651145	Oil Pump: (9) (2.000" Gears) "Outlet - 651259 / Kit - 651149"				
		1	651151	Oil Cooler, Early w/90° Elbows (10 Plate Doughnut) (10)				
		1	651114	Oil Cooler, Late w/Straight Nipples (6 Plate Doughnut Type)				
		1	651258	Oil Cooler, Late w/Straight Nipples (8 Plate Doughnut Type)				
		1	751112	Crankshaft, Early (Short 35MM Nose)				
		1	751113	Crankshaft, Late (Long 60MM Nose)				
		4	751342	Connecting Rod (1.625" Pin)				
		1	751331	LH Balancer Shaft Assembly, Early (Marked R54054)				
		1	751332	RH Balancer Shaft Assembly, Early (Marked R54054)				
		1	751343	LH Balancer Shaft Assembly, Mid (Bolt-On Weights)				
		1	751344	RH Balancer Shaft Assembly, Mid (Bolt-On Weights)				
		1	751345	LH Balancer Shaft Assembly, Late (Marked R84099)				
		1	751346	RH Balancer Shaft Assembly, Late (Marked R84099)				
		1	851188	Fuel Pump (Threaded Ports) "Pump w/Hose Barbs - 851336"				
				(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).003 - 451513 / .015 - 451514 / .030 - 451515 (6).003 - 451524 / .015 - 451525 / .030 - 451526 (7)Spiral ID - 401189 (.502 OD)
- (8)4239T, 310C, 315C, 515B, 2140, 2555 TSS, 2650, 2650N, 2750, 2755, 2850, 2855N, 3830 (9)4239T/A, 490 (10)Inst Kit - 651252
- (11)4239T Code 2004 - 851345 / 4239T Code 2005; 490 - 851318 / 4239T Code 2021 - 851319 / 4239T Code 2026 - 851331
- (11)4239T Code 2022; 2140, 2555, 2650, 2650N, 2750, 2755N, 2850, 2855N, 3830 - 851334 (12)4239T Codes 2005, 2022 - 851192
- (12)310C, 315C w/AC - 851328 / 515B - 851329 / 4239T/A Codes 2004, 2008, 2023; 310C, 315C wo/AC - 851332
- (12)2555 TSS, 2650, 2650N, 2755, 2850, 2855N Thru ESN 829915; 2140, 2750, 3830 - 851335 / 4239T Codes 2021, 2026 - 851321
- (12)2555 TSS, 2650, 2650N, 2755, 2850, 2855N After ESN 829915 - 851352 / 490 - 851353

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