

JOHN DEERE



ENGINE: 4045D Powertech (8 Valve)
4045T Powertech (8 Valve)

BORE: 4.1929" 4 Cyl Diesel NOTES: Piston Code 4801; Piston # RE59279, RE505101; 1.375" Pin

APPLICATION: Backhoe Loaders: 310E, 310G Natural Aspirated; Crawlers: 450H, 450J Natural Aspirated;
TO-Dubuque Engine Forklifts: 485E, 486E, 488E Natural Aspirated; Power Units: 4045DFM50 Powertech Marine;
PE-Torreon Engine Power Units: 4045DF120, 4045DF150, 4045DF158, 4045TF150 Powertech; Skid Loaders: 270, 280;
CD-Saran Engine Tractors: 5410, 5415, 5415N, 5420, 5420N, 5615; Wheel Loaders: 210LE Natural Aspirated, 324H, 344H;

	QTY	ITEM #	DESCRIPTION	LETTERED ITEMS INCLUDED IN KIT					
	1	954193	In-Frame Kit, Early (Rod Marked R123959)						I
	1	954293	In-Frame Kit, Late (Rod Marked R500000)						I
	1	955193	Out-of-Frame Kit, Early (Rod Marked R123959)				O		
	1	955293	Out-of-Frame Kit, Late (Rod Marked R500000)				O		
	1	956193	Major Kit, Early (Rod Marked R123959)		M				
	1	956293	Major Kit, Late (Rod Marked R500000)		M				
	4	151128	Sleeve & Piston Assembly (High-Compression)	M	M	O	O	I	I
	4	151129	Piston Assembly (High-Compression)						
	4	151123	Liner Assembly (1)						
	4	151115	Liner O-Ring Package						
	4	151647	Block Repair Sleeve, Lower Liner Pilot Bore (.930" OAL)						
	4	151118	Piston Ring Set						
	4	251125	STD Rod Bearing (2) (3)	M	M	O	O	I	I
	4	251126	.010 Rod Bearing						
	1	251127	STD Main Bearing Set (2) (3)	M	M	O	O	I	I
	1	251128	.010 Main Bearing Set						
	1	351131	Head Gasket Set						
	1	351132	Head Gasket						
	1	351133	Valve Cover Gasket						
	1	351719	Valve Cover Gasket, Optional High Temperature (4)						
	8	351683	Valve Seal (4)						
	1	351134	In-Frame Gasket Set					I	I
	4	351657	Exhaust Manifold Gasket						
	1	351135	Full Gasket Set w/Seals	M	M	O	O		
	1	351717	Timing Cover Gasket wo/RH Auxillary Drive						
	1	351721	Timing Cover Gasket w/RH Auxillary Drive						
	1	351136	Pan Gasket (Sheet Metal Pan)						
	1	351137	Pan Gasket (Cast or Aluminum Pan)						
	1	351718	Pan Gasket Set (2-Gaskets, 3-O-Rings) (2) (3)						
	1	351138	Front Crank Seal						
	1	351129	Rear Crank Seal Kit						
	4	251529	Pin Bushing (Boreable / 1.375" Pin)						
	4	251129	Pin Bushing (Honeable / 1.375" Pin)	M	M				
	1	251123	Cam Bearing	M	M				
	6	251131	Balancer Bushing	M	M				
	8	751132	Rod Bolt, Early (Rod Marked R123959) (2)		M		O		I
	8	751133	Rod Bolt, Late (Fractured Rod Marked R500000) (3)	M		O		I	
	18	751129	Head Bolt						

(1)Shims: .002 - 151637 / .004 - 151638

(2)Early Underhaul Kit - 951193

(3)Late Underhaul Kit - 951293

(4)Not In Gasket Sets

JD-276-K

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	QTY	ITEM #	DESCRIPTION	LETTERED ITEMS INCLUDED IN KIT			
	1	959333	Basic Valve Kit			B	
	1	959133	Valve Train Kit		V		
	1	551116	Camshaft w/Gear, Early (Marked R135439)				
	1	551353	Camshaft w/Gear, Late (Marked R504534)				
	8	551118	Tappet				
	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 TO & PE (1.345-T-1.482 x 1.695 x .242) (7)				
	4	451119	Ex Seat, OEM CD (1.345-T-1.482 x 1.697 x .243)				
	4	451127	In Seat, OEM TO & PE (1.550-T-1.650 x 1.857 x .257) (8)				
	4	451122	In Seat, OEM CD (1.550-T-1.650 x 1.859 x .257)				
	8	451128	Rocker Arm				
	1	451129	Rocker Arm Shaft				
	2	451165	Rocker Arm Shaft Plug				
	1	551119	Cam Timing Gear (60 Tooth)				
	1	551121	Crank Timing Gear (30 Tooth)				
	1	551355	Upper Idler Gear Assembly (Gear, Hub, Bolt, Washers)				
	1	551142	Upper Idler Gear Bushing, Late (1.750 ID x .840 Wide)				
	1	551351	Lower Idler Gear, Marked R120636 "Includes Bush - 551352"				
	8	551123	Push Rod (1-Socket 1-Ball / 10.43" OAL)				
	1	651116	Oil Pump				
	1	651118	Oil Cooler: Code 5901 (5 Plate)				
	1	651119	Oil Cooler: Code 5902 (7 Plate)				
	1	651122	Oil Cooler: Code 5904 (3 Plate)				
	1	751134	Crankshaft, Early (4 Bolt Nose)				
	1	751353	Crankshaft, Late (Single Bolt / Taper Nose)				
	4	751349	Connecting Rod (1.375" Pin)				
	1	751135	LH Balancer Shaft				
	1	751136	RH Balancer Shaft				
	1	851152	Fuel Pump: Codes 3701, 3706				
	1	851153	Fuel Pump: Code 3702				
	1	851154	Fuel Pump: Code 3707				
	1	851369	Fuel Pump: Code 3715				
	1	851155	Fuel Pump Push Rod				
	1	851147	Thermostat: Except Marine (180°)				
	1	851187	Water Pump: Except Marine (Cast Iron / STD Flow)				
	1	851148	Water Pump Kit: Except Marine (STD Flow)				
	1	851368	Automatic Belt Tensioner Assembly				

(5).015 - 451112 / .030 - 451528 (6).015 - 451114 / .030 - 451529 (7)Oversize Ex Seat - 451121 (8)Oversize In Seat - 451123

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