

JOHN DEERE



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

BORE: 4.1929" 4 Cyl Diesel NOTES: Piston Codes 4801, 4833; Piston Marked RE520589; 1.375" Pin

APPLICATION: Gensets: Terex T50 (4045DF270);

TO-Dubuque Engine Power Units: 4045DF270 Powertech; 4045DFM70 Powertech Marine;

PE-Torreon Engine Tractors: 5415, 5620;

CD-Saran Engine

	QTY	ITEM #	DESCRIPTION	LETTERED ITEMS INCLUDED IN KIT				
	1	951293	Underhaul Kit					U
	1	954296	In-Frame Kit				I	
	1	955296	Out-of-Frame Kit			O		
	1	956296	Major Kit			M		
	4	151657	Sleeve & Piston Assembly	M	O		I	
	4	151658	Piston Assembly					
	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	M	O		I	U
	4	251126	.010 Rod Bearing					
	1	251127	STD Main Bearing Set	M	O		I	U
	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 (2)					
	8	351683	Valve Seal (2)					
	1	351134	In-Frame Gasket Set				I	
	4	351657	Exhaust Manifold Gasket					
	1	351135	Full Gasket Set w/Seals	M	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)					U
	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				
	1	251123	Cam Bearing	M				
	6	251131	Balancer Bushing	M				
	8	751133	Rod Bolt	M	O		I	U
	18	751129	Head Bolt					

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

(2)Not In Gasket Sets or Kits

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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	651122	Oil Cooler: Code 5904 (3 Plate)				
	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				
	1	851153	Fuel Pump: Code 3702				
	1	851369	Fuel Pump: Code 3715				
	1	851155	Fuel Pump Push Rod				
	1	851147	Thermostat: Except Marine & 5620 (180°)				
	1	851187	Water Pump: Except Marine (Cast Iron / STD Flow)				
	1	851371	Water Pump: Marine (Cast Iron / High Flow)				
	1	851148	Water Pump Kit: Except Marine (STD Flow)				
	1	851149	Water Pump Kit: Marine (High 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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