

JOHN DEERE



ENGINE: 3029D Powertech
Early Natural Aspirated

BORE: 4.1929"	3 Cyl	Diesel	NOTES: Piston Code 4807; Piston # RE45323; Rod # R107180 (Tapered); 35MM Pin
APPLICATION:	Power Units: 3029DF120, 3029DF160 Powertech Thru ESN 252767 Tractors: 5200 Thru ESN 262108; 5300 Thru ESN 291222;		

	QTY	ITEM #	DESCRIPTION	LETTERED ITEMS INCLUDED IN KIT				
	1	954271	In-Frame Kit					I
	1	955271	Out-of-Frame Kit			O		
	1	956271	Major Kit		M			
	3	151113	Sleeve & Piston Assembly		M	O		I
	3	151674	Piston Assembly					
	3	151412	Liner Assembly (7.720" OAL) (1)					
	3	151115	Liner O-Ring Package					
	3	151639	Block Repair Sleeve, Lower Liner Pilot Bore (.870" OAL)					
	3	151116	Piston Ring Set (1-1/8K 1-3/32 1-3.5MM)					
	3	251111	STD Rod Bearing		M	O		I
	3	251112	.010 Rod Bearing					
	3	251113	.020 Rod Bearing					
	3	251114	.030 Rod Bearing					
	1	251115	STD Main Bearing Set w/Thrust Washers		M	O		I
	1	251116	.010 Main Bearing Set w/Thrust Washers					
	1	251117	.020 Main Bearing Set w/Thrust Washers					
	1	251118	.030 Main Bearing Set w/Thrust Washers					
	1	251119	STD Thrust Washer Set					
	1	251121	.007 Thrust Washer Set					
	1	351122	Head Gasket Set					I
	1	351123	Head Gasket					
	1	351124	Valve Cover Gasket (2) (3)					
	6	351683	Valve Seal (3)					
	3	351657	Exhaust Manifold Gasket					
	1	351125	Full Gasket Set w/Seals		M	O		
	1	351661	Timing Cover Gasket, Except RH Side Aux Gear Drive					
	1	351686	Timing Cover Gasket, RH Side Aux Gear Drive					
	1	351126	Pan Gasket: 5200, 5300 (Sheet Metal Pan)					
	1	351127	Pan Gasket (Cast or Aluminum Pan)					
	1	351311	Pan Gasket Set (2-Gaskets, 2-O-Rings, 1-D-Ring)					I
	1	351128	Front Crank Seal					
	1	351154	Front Crank Spacer Assembly (3)					
	1	351228	Front Crank Seal Kit (Includes Wear Sleeve)					
	1	351129	Rear Crank Seal Kit					
	3	251533	Pin Bushing (Boreable / 35MM Pin / Tapered)		M			
	3	251534	Pin Bushing (Honeable / 35MM Pin / Tapered)		M			
	1	251123	Cam Bearing					
	6	751128	Rod Bolt		M	O		I
	14	751129	Head Bolt					

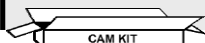
(1)Liner Shims: .002 - 151637 / .004 - 151638

(2)Special Valve Cover Screw - 751359

(3)Not Included In Gasket Sets Or Kits

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	1	959528	Camshaft Kit (Includes Cam Bearing)					C
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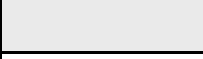
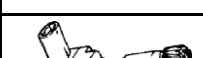
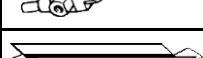
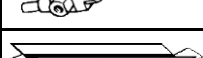
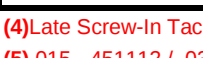
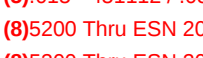
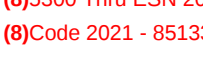
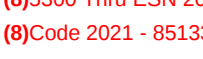
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	QTY	ITEM #	DESCRIPTION	LETTERED ITEMS INCLUDED IN KIT			
  	1	959332	Basic Valve Kit			B	
	1	959132	Valve Train Kit			V	
	1	551134	Camshaft "Use w/Screw-In Tach Drive (4)"				C
	1	551112	Cam Thrust Plate				
	6	551113	Tappet				C
	3	451111	STD Exhaust Valve (5)		V	B	
	3	451113	STD Intake Valve (6)		V	B	
    	3	451531	Exhaust Service Repair Valve Guide (.502 OD / 2.390" OAL)				
	3	451532	Intake Service Repair Valve Guide (.502 OD / 2.209" OAL)				
	6	451115	Valve Spring		V	B	
	6	451116	Rotator		V		
	12	451117	Keeper (Half)		V	B	
 	3	451119	Ex Seal, OEM Saran (1.345-T-1.482 x 1.697 x .243)				
	3	451122	In Seal, OEM Saran (1.550-T-1.650 x 1.859 x .257)				
   	6	451124	Rocker Arm, Early (Socket Type Adj Screw) "Use w/551342"				
	6	451533	Rocker Arm, Late (Ball Type Adj Screw) "Use w/551344"				
	1	451125	Rocker Arm Shaft				
	2	451165	Rocker Arm Shaft Plug (.464")				
           	1	551137	Cam Gear (48 Helical Teeth)				
	1	551114	Cam Gear, RH Side Aux Gear Drive (48 Spur Teeth)				
	1	551138	Crank Gear (24 Helical Teeth)				
	1	551115	Crank Gear, RH Side Aux Gear Drive (24 Spur Teeth)				
	1	551139	Upper Idler Gear (55T Helical / 23 Notches) "Bush - 551142"				
	1	551346	Upper Idler Gear Assembly (55T Spur)				
	1	551141	Lower Idler Gear (45T Helical) "Bush - 551143 (.750" Wide)"				
	1	551345	Lower Idler Gear (45T Spur) "Bush - 551143 (.750" Wide)"				
	1	551145	Oil Pump Drive Gear (33T Helical Teeth)				
	1	551347	Oil Pump Drive Gear, RH Side Aux Gear Drive (33T Spur)				
  	6	551342	Push Rod, Early Style (2-Ball Tips / 9.21" OAL)				
	6	551344	Push Rod, Late Style (1-Socket 1-Ball / 9.15" OAL)				
	1	651128	New Oil Pump (1.625" Gears) "May Need 651112 Outlet"				
       	1	651131	Oil Pump Kit (1.625" Gears)				
	1	651114	Oil Cooler, w/Straight Nipples (6 Plate Doughnut Type) (7)				
	1	751339	Crankshaft (Long 60MM Nose)				
	3	751358	Connecting Rod (35MM Pin)				
	1	851336	Fuel Pump: 3029DF Code 3703, 3709, 3710 (90° Barbs)				
	1	851342	Fuel Pump: 3029DF Code 3711, 3716 (Vertical Hose Barbs)				
  	1	851341	Thermostat: 5200, 5300 Thru ESN 202231 (180°)				
	1	851147	Thermostat: Except 5200, 5300 Thru ESN 202231 (180°)				
			(8) New Water Pumps (9) 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)For 5300 Thru ESN 185223 Also Supply 651115 Nipple
 (8)5200 Thru ESN 202231 - 851388 / 3029DF Code 2010; 5200 ESN 202232-248699 - 851386 / 5200 After ESN 248699 - 851391
 (8)5300 Thru ESN 202231 - 851389 / 5300 ESN 202232-248699 - 851392 / 5300 After ESN 248699 - 851393 / Code 2020 - 851387
 (8)Code 2021 - 851334 (9)All Except Following Applications - 851321 / 5200, 5300 Thru ESN 202231 - 851339 / Code 2021 - 851352

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