

JOHN DEERE



ENGINE: 227 GAS / LPG
Original Block

BORE: 4.250" 4 Cyl Gas / LPG NOTES: Block # R33190, R40840 (Has Weep Holes)

APPLICATION: Backhoes: JD500A Thru 123113;
Tractors: 3020 Thru 122999; Wheel Tractors: Late JD500

	QTY	ITEM #	DESCRIPTION	LETTERED ITEMS INCLUDED IN KIT			
	1	954112	In-Frame Kit, Gasoline				I
	1	954118	In-Frame Kit, LPG				I
	1	955112	Out-of-Frame Kit, Gasoline		O		
	1	955118	Out-of-Frame Kit, LPG		O		
	4	151289	Sleeve & Piston Assembly, Gasoline		O		I
	4	151416	Sleeve & Piston Assembly, LPG		O		I
	4	151472	Piston Kit, Gasoline (Includes Pin & Rings)				
	4	151441	Piston Kit, LPG (Includes Pin & Rings)				
	4	151484	Liner Assembly				
	4	151485	Liner O-Ring Package				
	1	151486	.002 Liner Shim (1)				
	1	151487	.004 Liner Shim (1)				
	4	151241	Piston Ring Set (3-3/32 1-1/4)				
	4	251167	STD Rod Bearing		O	O	I
	4	251168	.002 Rod Bearing				
	4	251169	.010 Rod Bearing				
	4	251171	.020 Rod Bearing				
	4	251172	.030 Rod Bearing				
	1	251173	STD Main Bearing Set w/Thrust Washers		O	O	I
	1	251174	.002 Main Bearing Set w/Thrust Washers				
	1	251175	.010 Main Bearing Set w/Thrust Washers				
	1	251176	.020 Main Bearing Set w/Thrust Washers				
	1	251177	.030 Main Bearing Set w/Thrust Washers				
	1	251521	Thrust Washer Set "For .007" Oversize Set Use 251522"				
	1	351179	Head Gasket Set				I
	1	351338	Head Gasket				I
	8	301114	Positive Valve Seal, Optional (Not in Gasket Sets) (2)				
	1	351233	Valve Cover Gasket				
	1	351339	Manifold Gasket Set				
	1	351121	Crankcase Gasket Set				
	1	351341	Timing Cover Gasket				
	1	351187	Pan Gasket Set				I
	1	351343	Pan Gasket				I
	1	351342	Rear Seal Housing Gasket				
	1	351252	Full Gasket Set w/Seals		O	O	
	1	351251	Overhaul Gasket Set wo/Seals				
	1	351152	Front Crank Seal Kit				
	1	351153	Rear Crank Seal Kit				
	1	751179	Rear Seal Housing Bolt Kit (Self Locking Bolts & Washers)				
	4	251261	Pin Bushing (1.250" Pin)				
	3	251259	Cam Bearing (3)				
	4	251388	Balancer Bushing				
	8	751175	Rod Bolt				
	1	751181	Exhaust Manifold Bolt Kit (6 Bolts & Manifold Washers)				
	1	751176	Head Bolt Kit w/Washers, Heads Marked R26020 (4)				

(1).015 - 151488 / .030 - 151489 (2)Use VST1812 Seal Tool (3)Cam Plug - 751182 (4)Grade 8 Upgrade, Torque To 130 Ft Lbs

JD-227-A

1/22/2006

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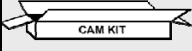
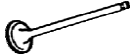
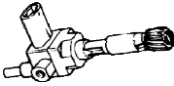


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	1	959122	Valve Train Kit, Gasoline				V	
	1	959322	Basic Valve Kit, Gasoline & LPG			B		
	1	551168	Camshaft					
	1	551169	Camshaft Assembly (Includes Oil Pump Gear & Shaft)					
	1	551171	Cam Thrust Plate (3 Bolt / .120" Thick)					
	1	551172	Cam Snap Ring					
	1	551173	Cam Key (1/8 x 5/8 Woodruff)					
	3	551174	Cam Thrust Plate Lock					
	8	551157	Tappet					
	4	451224	Exhaust Valve		B		V	
	4	451225	Intake Valve		B		V	
	8	451226	Valve Guide		B		V	
	8	451227	Valve Spring		B		V	
	4	451228	Exhaust Rotator, Gasoline				V	
	4	451255	Intake Retainer "8 Used on LPG"				V	
	4	451256	Intake Spring Seat					
	16	451188	Keeper (Half)		B		V	
	4	401116	Exhaust Valve Seat (1.312 x 1.562 x .219)					
	4	401118	Intake Valve Seat (1.500 x 1.750 x .219)					
	4	451257	Rocker Arm, LH					
	4	451258	Rocker Arm, RH					
	1	451259	Rocker Arm Shaft (5)					
	4	451261	Rocker Arm Shaft Clamp					
	1	551175	Cam Timing Gear					
	1	551182	Crank Timing Gear (.750" Wide)					
	1	551176	Idler Gear (Includes Bushing)					
	1	551177	Idler Gear Bushing					
	8	551178	Push Rod					
	1	651153	Oil Pump					
	1	651155	Oil Pump Drive Gear/Shaft					
	1	651156	Oil Pump Gear Set, Thru ESN 83999 (1.000" OAL)					
	1	651161	Oil Pump Gear Set, After ESN 83999 (1.500" OAL)					
	1	651157	Mounting Bolt Upgrade Kit (Self Locking Bolts & Washers)					
	2	651134	Valve Seat, Filter Bypass / Pressure Regulator					
	1	751254	Crankshaft Pulley: 3020 Tractors					
	1	751143	Balancer Drive Gear For Crankshaft					
	2	751177	Balancer Shaft "For Snap Rings Use 751178"					
	1	851198	Governor Kit (Weights, Pins, Bearings, Seal, Gasket)					
	1	851199	Thermostat, 160 Degree (6)					
	1	851211	Thermostat, 180 Degree (6)					
	1	851212	Water Pump Kit: 3020 Tractors					
	1	851216	Water Pump Kit: JD500 & JD500A					
	1	851213	Water Pump: 3020 Tractors					
	1	851188	Fuel Pump					

(5)For Original Rubber Plug Use 451262, For Late Style Flanged Steel Plug Use 451165

(6)Lower Stat Hsg 851215

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