

JOHN DEERE



ENGINE: 303 Gas (Early)
Thru # 157228

BORE: 3.8583"	6 Cyl	Gas	NOTES: Block # T24967, No O-Ring Grooves In Block, 7.720" OAL Liners
APPLICATION: Combines: 55 After 83000; 95LL After 35000; 95H After 37500; 6600 Thru 3727; Cotton Picker: Early 699; Power Units: JD303G;			

	QTY	ITEM #	DESCRIPTION	LETTERED ITEMS INCLUDED IN KIT			
	1	954174	In-Frame Kit			I	
	1	955174	Out-of-Frame Kit	O			
	6	151433	Sleeve & Piston Assembly (Replacement Liner w/2 Grooves)	O		I	
	6	151435	Piston Assembly				
	6	151434	Liner Assembly (Replacement Liner w/2 Grooves)				
	6	151172	Liner Packing (For Original Liner w/Single Seal)				
	6	151167	Liner O-Ring Package (Replacement Liner w/2 Grooves)				
	6	151174	.002 Liner Shim				
	6	151175	.004 Liner Shim				
	6	151176	Block Repair Sleeve, Lower Liner Pilot Bore (No Grooves)				
	6	151168	Piston Ring Set (2-3/32 1-5MM)				
	6	251111	STD Rod Bearing	O		I	
	6	251112	.010 Rod Bearing				
	6	251113	.020 Rod Bearing				
	6	251114	.030 Rod Bearing				
	1	251262	STD Main Bearing Set	O		I	
	1	251263	.010 Main Bearing Set				
	1	251264	.020 Main Bearing Set				
	1	251265	.030 Main Bearing Set				
	1	351175	Head Gasket Set			I	
	1	351331	Head Gasket				
	1	351332	Valve Cover Gasket (Cork)				
	1	351156	Valve Cover Gasket (SEMR)				
	12	351161	Valve Seal (O-Ring)				
	1	351333	Manifold Gasket				
	1	351273	Overhaul Gasket Set wo/Seals				
	1	351274	Full Gasket Set w/Lip Seals	O			
	1	351176	Crankcase Gasket Set wo/Seals				
	1	351267	Lower Gasket Set w/Lip Seals				
	1	351155	Pan Gasket Set			I	
	1	351128	Front Crank Seal				
	1	351154	Front Crank Spacer Assembly				
	1	351228	Front Crank Seal Kit (Includes Repair Sleeve)				
	1	351129	Rear Crank Seal Kit				
	6	251421	Pin Bushing (Boreable)				
	6	251422	Pin Bushing (Honeable)				
	12	751168	Rod Bolt: Rods Marked T20007 (2.125" Length)				
	12	751128	Rod Bolt: Rods Marked R81410 (2.375" Length)				
	1	751174	Head Bolt Kit w/Washers				

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	QTY	ITEM #	DESCRIPTION	LETTERED ITEMS INCLUDED IN KIT			
	1	959345	Basic Valve Kit			B	
	1	959145	Valve Train Kit		V		
	1	551167	Camshaft "Use w/Screw-In Tach Drive (1)"				
	1	551112	Cam Thrust Plate				
	12	551113	Tappet				
	6	451157	STD Exhaust Valve (Stellite)		V	B	
	6	451158	.003 Exhaust Valve				
	6	451159	STD Intake Valve		V	B	
	6	451161	.003 Intake Valve				
	12	401149	Ex/In Service Repair Valve Guide (.564 OD / 2.750" OAL)				
	12	451115	Valve Spring		V	B	
	6	451162	Exhaust Rotator		V		
	24	451164	Valve Keeper (Half)		V	B	
	6	401151	Exhaust Seat				
	6	401152	Intake Seat				
	12	451124	Rocker Arm				
	1	451243	Rocker Arm Shaft				
	2	451165	Rocker Arm Shaft Plug (.464)				
	1	551137	Cam Gear				
	1	551138	Crank Gear				
	1	551166	Upper Idler Gear				
	1	551142	Upper Idler Gear Bushing (.840" Wide)				
	1	551141	Lower Idler Gear				
	1	551142	Lower Idler Gear Bushing, Early w/Original Gear(.840" Wide)				
	1	551143	Lower Idler Gear Bushing, Late & Repl Gear (.750" Wide)				
	1	551145	Oil Pump Drive Gear				
	12	551165	Push Rod				
	1	651128	New Oil Pump "May Need 651132 Tube & 651144 Inlet"				
	1	651129	Oil Pump Kit, w/Original Pump (1.417" Gears)				
	1	651131	Oil Pump Kit, Replacement Pump (1.625" Gears)				
	1	651132	Oil Pump Outlet Tube (2 Bends) "Use w/Repl Pump"				
	1	651144	Oil Pump Inlet Screen, Late (2 Bolt Mtg Flange)				
	1	651134	Oil Pressure Valve Seat				
	1	651135	Oil Pressure Valve				
	1	651136	Oil Pressure Valve Spring (2)				
	2	751147	Plug, External Head				
	1	851193	Governor Kit: 95LL, 95H, 6600 Combines (3)				
	1	851173	Fuel Pump				
	1	851194	Thermostat, 195 Degree				
	1	851322	Water Pump Kit: 55, 95H, 95LL Combines				
	1	851321	Water Pump Kit: 6600 Combine				
	1	851196	Water Pump Kit: 699 Cotton Picker				

(1) Late Screw-In Tach Drive: Shaft Type - 551136 / Gear Type (.541 Gear Length) - 551146 / Gear Type (.711 Gear Length) - 551147

(2) Also Supply 651137 Cover Plug For Early Engines

(3) For 699 Cotton Picker Use 851169