

JOHN DEERE



ENGINE: 180 Gas (Early)

BORE: 3.8583"	4 Cyl	Gas	NOTES: Block # T23405, T24960, T26932; No O-R Grooves In Block; 7.140" OAL Liners
APPLICATION: Combines: 45 After TSN 46000; Crawlers: JD450 Thru TSN 102766; Forklifts: JD480 Thru TSN 105590; Log Skidders: JD440; Power Units: JD180G Thru 159926; Tractors: Early 2510; 2020 Thru ESN 159926; Wheel Tractors: JD400 Thru TSN 104930; Windrowers: 880;			

	QTY	ITEM #	DESCRIPTION	LETTERED ITEMS INCLUDED IN KIT				
	1	954113	In-Frame Kit					I
	1	955132	Out-of-Frame Kit, Early (Face Type Rear Seal) (1)		O			
	1	955113	Out-of-Frame Kit, Late (Lip Type Rear Seal)		O			
	4	151164	Sleeve & Piston Assembly (Replacement Liner w/2 Grooves)		O	O		I
	4	151165	Piston Assembly					
	4	151166	Liner Assembly (Replacement Liner w/2 Grooves)					
	4	151172	Liner Packing (For Original Liner w/Single Seal)					
	4	151167	Liner O-Ring Package (Replacement Liner w/2 Grooves)					
	4	151174	.002 Liner Shim					
	4	151175	.004 Liner Shim					
	4	151176	Block Repair Sleeve, Lower Liner Pilot Bore (No Grooves)					
	4	151168	Piston Ring Set (2-3/32 1-5MM)					
	4	251136	STD Rod Bearing		O	O		I
	4	251137	.002 Rod Bearing					
	4	251138	.010 Rod Bearing					
	4	251139	.020 Rod Bearing Set					
	4	251141	.030 Rod Bearing Set					
	1	251163	STD Main Bearing Set		O	O		I
	1	251164	.010 Main Bearing Set					
	1	251165	.020 Main Bearing Set					
	1	251166	.030 Main Bearing Set					
	1	351146	Head Gasket Set					I
	1	351324	Head Gasket					
	1	351325	Valve Cover Gasket (Cork)					
	1	351151	Valve Cover Gasket (SEMR)					
	8	351161	Valve Seal (O-Ring)					
	1	351326	Manifold Gasket Set					
	1	351263	Overhaul Gasket Set wo/Seals			O		
	1	351264	Full Gasket Set w/Lip Seals		O			
	1	351259	Crankcase Gasket Set wo/Seals					
	1	351147	Lower Gasket Set w/Lip Seals					
	1	351149	Pan Gasket Set, w/Cast or Aluminum Pan					I
	1	351327	Pan Gasket Set, w/Sheet Metal Pan					
	1	351128	Front Crank Seal			O		
	1	351228	Front Crank Seal Kit (Includes Wear Sleeve)					
	1	351229	Rear Crank Seal, Early (Face Type) (1)			O		
	1	351129	Rear Crank Seal Kit, Late (Lip Type)					
	4	251135	Pin Bushing					
	6	251423	Balancer Bushing					
	6	251424	2.00MM Oversize Balancer Bushing					
	8	751141	Rod Bolt					
	1	751167	Head Bolt Kit w/Washers					

(1)Crawlers: JD450 Thru TSN 37866; Forklifts: JD480 Thru TSN 36617; Log Skidders: JD440 Thru TSN 35534

Tractors: 2510 Thru ESN 47545; 2020 Thru ESN 36137; JD400 Thru TSN 36276

JD-180-A

2/10/2006

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	QTY	ITEM #	DESCRIPTION	LETTERED ITEMS INCLUDED IN KIT				
	1	959331	Basic Valve Kit				B	
	1	959131	Valve Train Kit			V		
	1	551162	Camshaft "Use w/Screw-In Tach Drive"					
	1	551112	Cam Thrust Plate					
	1	551136	Tach Drive Shaft (Late Screw-In Style)					
	1	551146	Tach Drive Gear (Late Screw-In Style/.541" Gear Length)					
	1	551147	Tach Drive Gear (Late Screw-In Style/.711" Gear Length)					
	8	551113	Tappet					
	4	451157	STD Exhaust Valve (Stellite)		V		B	
	4	451158	.003 Exhaust Valve					
	4	451159	STD Intake Valve		V		B	
	4	451161	.003 Intake Valve					
	8	401149	Ex/In Service Repair Valve Guide (.564 OD / 2.750" OAL)					
	8	451115	Valve Spring		V		B	
	4	451162	Exhaust Rotator		V			
	16	451164	Valve Keeper (Half)		V		B	
	4	401151	Exhaust Seat					
	4	401152	Intake Seat					
	8	451124	Rocker Arm					
	1	451254	Rocker Arm Shaft					
	2	451165	Rocker Arm Shaft Plug (.464") "Early .500" Plug - 451521"					
	1	551137	Cam Gear					
	1	551138	Crank Gear					
	1	551166	Upper Idler Gear "For Bushing Use 551142 (.840" Wide)"					
	1	551141	Lower Idler Gear "For Bushing Use 551143 (.750" Wide)"					
	1	551142	Lower Idler Gear Bushing, Early Original Gear (.840" Wide)					
	1	551163	LH Balancer Shaft Gear					
	1	551164	RH Balancer Shaft Gear					
	1	551145	Oil Pump Drive Gear					
	8	551144	Push Rod					
	1	651128	New Oil Pump "May Need 651132 Tube & 651133 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	651133	Oil Pump Inlet Screen, Late (2 Bolt Mtg Flange)					
	1	651142	Oil Pressure Regulator Valve Kit (2)					
	1	751171	LH Balancer Shaft Asb "Upgrade To 751333 Matched Pair"					
	1	751172	RH Balancer Shaft Asb "Upgrade To 751333 Matched Pair"					
	2	751173	Balancer Shaft Thrust Plate					
	1	851169	Governor Kit: Except HA180G, Crawlers, Log Skidders					
	1	851173	Fuel Pump: Except Power Units					
	1	851163	Thermostat, 180 Degree (3)					
	1	851171	Water Pump Kit: Except HA180G (Includes Impeller)					

(2)Also Supply 651137 Cover Plug For Early Engines

(3)For 160 Deg Use 851159; For 192 Deg Use 851172

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