

JOHN DEERE



ENGINE: 6081A/H PowerTech Thru 199999
Bosch In-Line Injection Pump

BORE: 4.5625" 6 Cyl Diesel NOTES: Low Compression Piston RE60328, 62640, 65407, 70689, 503305, 508995, 516291

APPLICATION: Combines: 9610; Early 9650, 9650CTS, 9650STS, 9750STS; CTS II; Cotton Pickers: 9976, 9986;
Dump Trucks: Early 250D, 300D; Forage Harvesters: Late 6610; 6650; Tractors: 8410, 8410T;
Power Units: 6081AF Piston Code 4802; 6081HF Piston Codes 4801 or 4802; 6081AFM01 (Marine);

	QTY	ITEM #	DESCRIPTION	LETTERED ITEMS INCLUDED IN KIT							
	1	954442	In-Frame Kit, Thru ESN 86535 (Conn Rod # R116340) (5)								I
	1	954443	In-Frame Kit, After ESN 86535 (Conn Rod # R501034) (5)								I
	1	955442	Out-of-Frame Kit, Thru ESN 86535 (Conn Rod # R116340) (5)						O		
	1	955443	Out-of-Frame Kit, After ESN 86535 (Conn Rod # R501034) (5)						O		
	1	956442	Major Kit, Thru ESN 86535 (Conn Rod # R116340) (5)							M	
	1	956443	Major Kit, After ESN 86535 (Conn Rod # R501034) (5)							M	
	6	151461	Sleeve & Piston Assembly		M	M	O	O		I	I
	6	151564	Piston Assembly								
	6	151462	Liner Assembly								
	6	151463	Liner O-Ring Package								
	6	151465	Liner Shim (.002")								
	6	151464	Piston Ring Set								
	6	251531	STD Rod Bearing (1) (2)		M	M	O	O		I	I
	6	251532	.011 Rod Bearing								
	1	251535	STD Main Bearing Set, w/Thrust Washers (1) (2)		M	M	O	O		I	I
	1	251536	.011 Main Bearing Set, w/Thrust Washers								
	1	251537	.022 Main Bearing Set, w/Thrust Washers								
	1	251538	STD Thrust Washer Set								
	1	251539	.007 Thrust Washer Set								
	1	351592	Head Gasket Set, wo/Intercooler Gaskets							I	I
	1	351593	Head Gasket								
	1	351345	Valve Cover Gasket, Early (Pressed Steel Cover) (3)								
	1	351595	Valve Cover Gasket, Late (Composite Cover) (4)								
	1	351556	Full Gasket Set w/Seals & Intercooler Gaskets (5)		M	M	O	O			
	1	351594	Overhaul Gasket Set wo/Seals (Incls Intercooler Gaskets) (5)								
	1	351597	Intercooler Gasket Set								
	1	351298	Pan Gasket Set: Except 8410, 8410T Tractors							I	I
	1	351348	Pan Gasket: Except 8410, 8410T Tractors								
	1	351589	Pan Gasket Set: 8410, 8410T Tractors (4)								
	1	351588	Pan Gasket: 8410, 8410T Tractors (4)								
	1	351152	Front Crank Seal Kit		M	M	O	O			
	1	351596	Rear Crank Seal Kit		M	M	O	O			
	1	751179	Rear Seal Housing Bolt Kit (Self Locking Bolts & Washers)								
	6	251527	Pin Bushing (Boreable)								
	6	251528	Pin Bushing (Honeable)		M	M					
	4	251298	Cam Bearing		M	M					
	1	751162	Rear Cam Plug		M	M					
	12	751163	Rod Bolt, Thru ESN 86535 (Conn Rod # R116340) (1)		M	M	O	O		I	I
	12	751164	Rod Bolt, After ESN 86535 (Fractured Rod # R501034) (2)								
	1	751274	Head Bolt Kit (6-5.2" 5-5.8" 8-6.8" 7-7.9" Special Bolts)								

(1)STD Underhaul Kit, Thru ESN 86535 (Rod # R116340) - 951438 (2)STD Underhaul Kit, After ESN 86535 (Rod # R501034) - 951439

(3)Special Cover Screw - 751256 (4)Not In Gasket Sets or Overhaul Kits (5)Pan Gasket For 8410, 8410T Tractors Not Included

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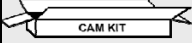
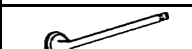
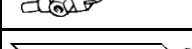
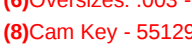
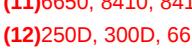
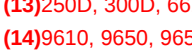
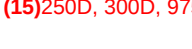


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	QTY	ITEM #	DESCRIPTION	LETTERED ITEMS INCLUDED IN KIT				
	1	959522	Camshaft Kit					C
	1	959136	Valve Train Kit				V	
	1	551294	Camshaft (8)					C
	2	551296	Cam Gear Thrust Washer					
	12	551292	Tappet					C
	6	451235	STD Exhaust Valve (6)				V	
	6	451236	STD Intake Valve (7)				V	
	12	451237	Valve Spring				V	
	12	451198	Valve Wear Cap					
	24	451164	Keeper (Half)				V	
	6	351587	Exhaust Valve Seal (9)					
	6	451455	STD Exhaust Seat ".010 OS Seat - 451442"					
	6	451456	STD Intake Seat ".010 OS Seat - 451438"					
	6	451443	Rocker Arm, LH					
	6	451444	Rocker Arm, RH					
	1	451264	Rocker Arm Shaft (10)					
	2	451261	Shaft Clamp (Aluminum)					
	2	451428	Shaft Clamp (Cast Bridge)					
	1	551297	Cam Timing Gear					
	1	551313	Injection Pump Drive Gear (Cam Mounted)					
	1	551298	Crank Timing Gear					
	12	551277	Push Rod					
	1	651227	Oil Pump					
	1	651228	Oil Pump Kit (2-Gears 2-Shafts 3-Gaskets 1-O-Ring)					
	1	651217	Oil Cooler (8 Plate)					
	1	751282	Crankshaft w/Gears, Early (Helical Oil Pump Drive Gear)					
	1	751283	Crankshaft w/Gears, Late (Spur Type Oil Pump Drive Gear)					
	1	751143	Crank Mounted Helical Oil Pump Drive Gear, Early Engines					
	1	751284	Damper: (11)					
	1	751286	Damper: 9650STS, 9750STS; 9976 ESN 38792-74944					
	1	751287	Torsional Damper: (12) (Additional Front Bolt-On Type)					
	1	751288	Damper: (13)					
	2	851281	Thermostat: (14) (Vented)					
	2	851174	Thermostat: Except (14)					
	1	851282	Water Pump: (15) (High-Flow / 15 Tooth)					
	1	851279	Water Pump: Except (15) (Low-Flow / 16 Tooth)					

(6)Oversizes: .003 - 451431 / .015 - 451432 / .030 - 451433

(7)Oversizes: .003 - 451434 / .015 - 451435 / .030 - 451436

(8)Cam Key - 551295

(9)Not Included In Kits or Sets

(10)Rocker Shaft Plug - 451165

(11)6650, 8410, 8410T; 9610, CTS II Thru ESN 39521; 9976 Thru ESN 38791

(12)250D, 300D, 6610, 6650, 9610, 9650, 9650CTS, 9650STS, 9750STS, 9976, 9986, CTS II

(13)250D, 300D, 6610, 9650, 9650CTS, 9986; 9610, CTS II After ESN 39521; 9976 After ESN 74944

(14)9610, 9650, 9650CTS, 9650STS, 9750STS, 9986, CTS II; 9976 After ESN 74944

(15)250D, 300D, 9750STS, 9986, Marine Engines; 9976 After ESN 74944