

Bore: 5.000" | Stroke: 6.5000"

Rod Journal: 3.4980-3.4990" | Main Journal: 4.9206-4.9219"

Main Torque: 218 ft/lbs | Rod Torque: 20 ft/lbs, 55 ft/lbs +95 degrees

Head Torque: 74, 120, 120 ft/lbs, +90 degrees

- **Early:** articulated pistons marked RE66125 or RE503969, 16:1 compression ratio
- **Late:** articulated pistons marked RE505901, RE518748, RE524324; 17:1 compression ratio
- **Late HP:** articulated pistons marked RE515356 or RE517209; 14.7:1 compression ratio; high HP

APPLICATION MODELS:

Combine

9750STS,
9860STS

Excavator

450CLC

Forage Harvester

6750, 6850, 7300,
7400, 7500, 7700

Tractor

9200, 9220, 9300, 9300T, 9320,
9320T, 9400, 9420, 9400T, 9420T,
9520, 9520T, 9620, 9620T

Wheel Loader

744H, 744J,
824J



NEW NOW AVAILABLE

Cooling System	Description	Part #
Water Pump	Aftermarket new replacement water pump replaces all of the following John Deere® OEM #'s: RE545360, RE549153, RE530870, R502052, RE540308. Weight: 31.92lbs	NRE549153
Thermostat	180 degree 180 degree	NAR102258 NRE33705

Shop Additional John Deere® 6125A/H PowerTech Parts

Engine Kits

- **Inframe Kit**
Part #: RP1367
with rod bolts
- **Inframe Kit**
Part #: RP1368
with rod bolts
- **Inframe Kit**
Part #: RP1369
with rod bolts
- **Major Overhaul Kit**
Part #: RP1370
with rod bolts
- **Major Overhaul Kit**
Part #: RP1371
with rod bolts
- **Major Overhaul Kit**
Part #: RP1372
with rod bolts

Cylinder Components

- **Cylinder Kit**
Part #: NRE505213
- **Cylinder Kit**
Part #: NRE519111
- **Cylinder Kit**
Part #: NRE515942
- **Liner Sealing Ring Kit**
Part #: NAR72351
- **Liner Shim**
Part #: NR81276
.050mm
Part #: NR81277
.100mm

Piston Ring Set

- **Part #: NRE53637**
1 cyl set, 3mm compression rings
- **Part #: NRE504630**
1 cylinder set, 3mm compression rings
- **Part #: NRE515941**
1 cyl set

Engine Bearings

- **Main Bearing Set**
Part #: RP251556
.std, with thrust washers
Part #: RP251557
.010"oversize, with thrust washers
Part #: RP251558
.020"oversize, with thrust washers

Rod Bearing

- **Part #: NRE63811**
std
- Part #: NRE68703**
.010"
- Part #: NRE68704**
.020"

Thrust Washer Set

- Part #: NRE530885**
standard
- Part #: NRE68659**
.007"

Engine Gaskets

- **Head Gasket Set**
Part #: NRE537388
- **Oil Pan Gasket**
Part #: NR519752

MODEL GUIDE:

■ Early ■ Late ■ Late High HP

Overhaul Gasket Set

Part #: NRE535190
less crankshaft seals

Crankshaft

Dampener Pulley
Part #: NRE505520

Front Crankshaft Seal
Part #: NRE54073

Rear Crankshaft Seal
Part #: NRE53687

Rear Crankshaft Seal Housing Gasket
Part #: NR35043

Timing Cover Gasket
Part #: NR500214
Part #: NR502026
v-ring seal
Part #: NR502441
v-ring seal

Connecting Rod

Connecting Rod Bolt
Part #: NR66453

Connecting Rod Capscrew
Part #: NR501380
fracture split connecting rod

Piston Pin Bushing
Part #: NR69045
2.00" pin, stepped-tapered, honeable
Part #: NR69045S
2.00" pin, stepped-tapered, boreable

Camshaft, Balancer

Camshaft Bearing
Part #: NR532008

Valve Train

Intake & Exhaust Valve
Part #: NR122035

Valve Guide
Part #: NR133636
.357" ID

Valve Keeper
Part #: NR91889
half

Valve Rotator and Spring
Part #: NRE505499
Contains 2-springs, 2-rotators

Valve Seal
Part #: NRE66635
top hat style

Valve Seat
Part #: NR504713
std
Part #: NR133637
.010"

Valve Cover and Rocker

Valve Cover Gasket
Part #: NR505677
Part #: NR502124

Head Hardware

Head Bolt Kit
Part #: NRE530817
contains 26) NR519524 bolts, replaces NRG28087 that contained bolts and washers

Fuel System

Fuel Injector Tube
Part #: NRE531334
with both sealing rings, should be replaced anytime injector is replaced
Part #: NRE528634
with sealing rings

MODEL GUIDE:

Early Late
Late High HP

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