

Bore: 5.197" | Stroke: 6.496"

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

Main Torque: 144 ft/lbs + 90 degrees + 90 degrees | Rod Torque: 103 ft/lbs, 90-100 degrees

Head Torque: #17 only, 74 ft/lbs, all 120 ft/lbs, wait 5 minutes, 120 ft/lbs + 90 degrees + 90 degrees

Intake Valve Lash: .023" cold (.580mm) Exhaust Valve Lash: .043" cold (1.100mm)

APPLICATION MODELS:

Tractor

9330, 9410R, 9420R, 9430, 9430T, 9460R, 9460RT, 9470R, 9470RT, 9470RX, 9510R, 9510RT, 9520R, 9520RT, 9520RX, 9530, 9530T, 9560R, 9560RT, 9630, 9630T

Wheel Loader

824K, 844K



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Cooling System	Description	Part #
Water Pump	Aftermarket new replacement water pump replaces all of the following John Deere® OEM #'s: RE545358, R519020, RE549117. Weight: 32.32lbs	NRE549117

Shop Additional John Deere® 6135H PowerTech Parts

Engine Kits

Inframe Kit

Part #: RP1363
with rod bolts

Major Overhaul Kit

Part #: RP1364
with rod bolts

Cylinder Components

Cylinder Kit

Part #: NRE559262
piston marked R517128

Cylinder Sleeve

Part #: NR534711

Piston Ring Set

Part #: NRE530474
1 cylinder set

Engine Bearings

Main Bearing

Part #: NRE530785
standard
Part #: NRE531764
.010"oversize
Part #: NRE531765
.020"oversize

Main Bearing Cap Bolt

Part #: NR518579

Rod Bearing

Part #: NRE562584
standard
Part #: NRE531768
.010"oversize
Part #: NRE531769
.020"oversize

Main Bearing Set

Part #: RP251556
.std, with thrust washers
Part #: RP251557
.010"oversize, with thrust washers
Part #: RP251558
.020"oversize, with thrust washers

Thrust Main Bearing

Part #: NRE530786
standard
Part #: NRE531766
.010"oversize
Part #: NRE531767
.020"oversize

Thrust Washer Set

Part #: NRE530885
standard

Engine Gaskets

Full Gasket Set

Part #: NRE535195
with both front crank seals, less rear crank seal

Head Gasket Set

Part #: NRE530816

Oil Pan Gasket

Part #: NR519752
less crankshaft seals

Crankshaft

Front Crankshaft Seal

Part #: NRE527102

Rear Crankshaft Seal

Part #: NRE53687

Connecting Rod

Connecting Rod Capscrew
fracture split connecting rod
Part #: NR501380

Piston Pin Bushing

Part #: NR517160
honable
Part #: NR517160S
borable

Camshaft, Balancer

Camshaft Bearing
Part #: NR532008

Valve Train

Intake & Exhaust Valve
Part #: NR518328

Valve Cover and Rocker

Valve Cover Gasket
Part #: NR505677
Part #: NR502124

Head Hardware

Head Bolt
Part #: NR526856
220mm long

Head Bolt Kit
Part #: NRE541424
contains 26)NR526856 bolts

Fuel System

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

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- 4 Application Model Number
- 5 Engine Number

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