

**Torque and Rebuild Specifications for  
John Deere 300 Series 3029, 4039, 4045, 6059 and 6068 Engines**

Cylinder Liner Protrusion	.001" - .004"
Main Bearing Cap Screw Dubuque Engines S/N ->419999 S/N 420000-> Saran Engines S/N ->135640 S/N 135641->	85 ft. lbs. 100 ft. lbs. 85 ft. lbs. 100 ft. lbs.
Connecting Rod Bolt All 3029, 4039 and 6059 Engines All 4045 and 6068 Engines	40 ft. lbs. + 90° 50 ft. lbs. + 90°
Piston Protrusion	.003" - .012"
Crankshaft End Play	.001" - .014"
Cylinder Head Bolts	75 ft. lbs.  110 ft. lbs.  Wait 5 Min.  110 ft. lbs.  Tighten an additional 60°
Rocker Arm Shaft Clamp	35 ft. lbs.
Valve Clearance (set cold) (2 Valve Head)	1 .014" E .018"
Rocker Cover Bolts	96 in.. lbs.