

**Torque and Rebuild Specifications for
John Deere 300 Series 3-179, 4-239, 6-359, 4-276 and 6-414 engines.**

Cylinder Liner Protrusion	.001" - .004"
Main Bearing Cap Screw	85 ft. lbs.
Connecting Rod Bolt	95 ft. lbs.
Piston Protrusion	.013" Max.
Crankshaft End Play	.001" - .014"
Cylinder Head Bolts	
4.25" Cap Screw Length w/ Washer	35ft. lbs. 65ft. lbs. 95ft. lbs. Re-torque to 95 ft. lbs. After Break-in
4.50" Cap Screw Length w/ Washer	35ft. lbs. 88ft. lbs. 110ft. lbs. Re-torque to 110ft. lbs. After Break-in
4.41" Length Flanged Head Cap Screw	75ft. lbs. 110ft. lbs. Wait 5 Minutes 110ft. lbs. +60°
Rocker Arm Shaft Clamp	35 ft. lbs.
Valve Clearance (set cold)	I .014" E .018"
Rocker Cover Bolts	96 in.. lbs.