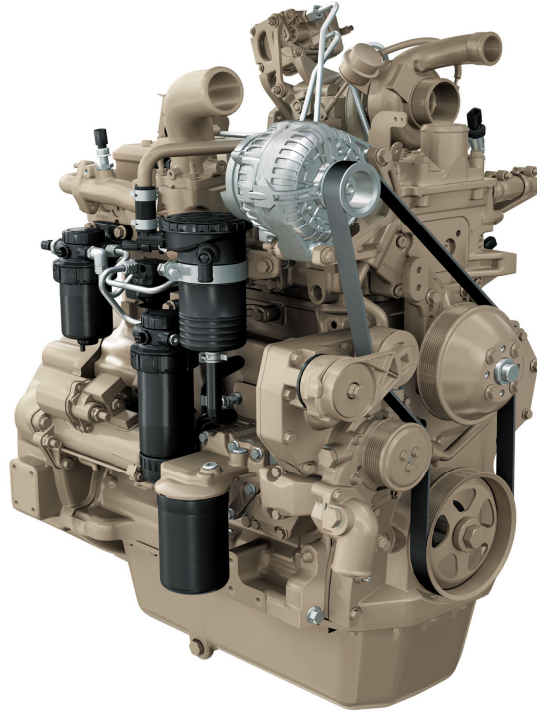
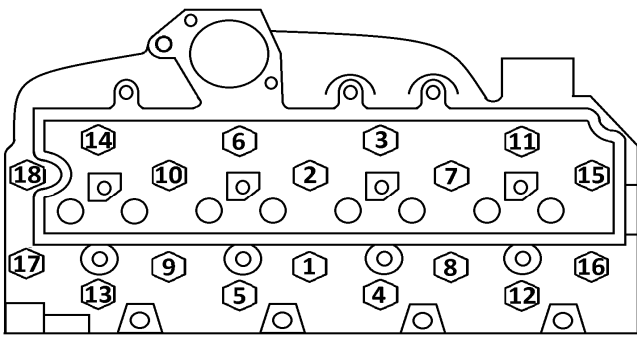


Torque and Rebuild Specifications for John Deere Powertech 4.5 Liter Engines



Cylinder Liner Protrusion	.001" - .004"
Main Bearing Cap	100 ft. lbs.
Connecting Rod Bolt	43 ft. lbs. + 90°
Piston Protrusion	.003" - .010"
Crankshaft End Play	.001" - .014"
Cylinder Head Bolts	75 ft. lbs.
 <p style="text-align: center;">← FRONT</p>	110 ft. lbs.
	Wait 5 Min.
	110 ft. lbs.
	Tighten an additional 60°
Rocker Arm Support Studs	44 ft. lbs.
Valve Clearance (set cold) (2 Valve Head)	I .014" E .018"
w/ #1 @ TDC Comp Adjust	#1 I+E, #2 I, #3E
w/ #1 @ TDC Exhaust Adjust	#2 E, #3 I, #4 I+E
Rocker Cover Bolts	26 ft. lbs.