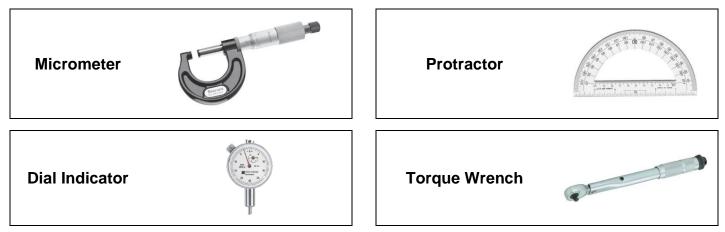
WHAT YOU WILL NEED...

Apart from the typical tools you will need (assorted wrenches, sockets, hammers, screw drivers, slide calipers, feeler gauges, and the like...), there are some specialized tools you will also require:

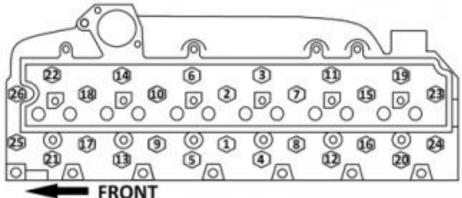


Also, it is a good idea to have some type of cleaning and/or degreasing solution on hand as well as lint-free rags. One of the most important aspects of engine assembly is, **KEEP IT CLEAN!**

ENGINE BUILD SPECIFICATIONS – JOHN DEERE® 6.8L POWERTECH® TIER-2 4-VALVE

MAIN CAP BOLTS:	100 ft/lbs
CONNECTING ROD BOLTS:	43 ft/lbs + 95°
INTAKE MANIFOLD BOLTS:	54 ft/lbs
EXHAUST MANIFOLD BOLTS:	52 ft/lbs
FLYWHEEL BOLTS:	102 ft/lbs
VIBRATION DAMPER MOUNTING SCREW:	Tapered Nose Crankshaft: 369 ft/lbs
SECONDARY VIBRATION DAMPER:	To Main Damper Capscrews: 52 ft/lbs
PULLEY TO VIBRATION DAMPER:	Capscrews: 52 ft/lbs
CYLINDER LINER PROTRUSION/RECESSION:	Protrusion: .001"004"
PISTON PROTRUSION:	.003"010" Above Fire Deck
CRANKSHAFT (TRUST) END PLAY:	.002"008"
ROCKER ARM ADJUST SCREW JAM NUT:	20 ft/lbs
ROCKER ARM SUPPORT STUDS:	44 ft/lbs
ROCKER ARM COVER NUTS:	62 in/lbs
ROCKER ARM CARRIER SCREWS:	44 ft/lbs
ROCKER SHAFT CLAMPS:	44 ft/lbs
ROCKER SHAFT END CLAMPS:	27 ft/lbs
PISTON COOLING JETS:	8 ft/lbs
VALVE CLEARANCE (Set Cold):	Intake: .012"015" Exhaust: .016"019"
CYLINDER HEAD BOLTS:	75, 110 ft/lbs, Wait 5-Min., 110 ft/lbs + 50°-70°
FIRING ORDER:	1 - 5 - 3 - 6 - 4 - 2
OIL PRESSURE AT IDLE:	15 PSI Minimum

CYLINDER HEAD TORQUE SEQUENCE:



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