

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!**

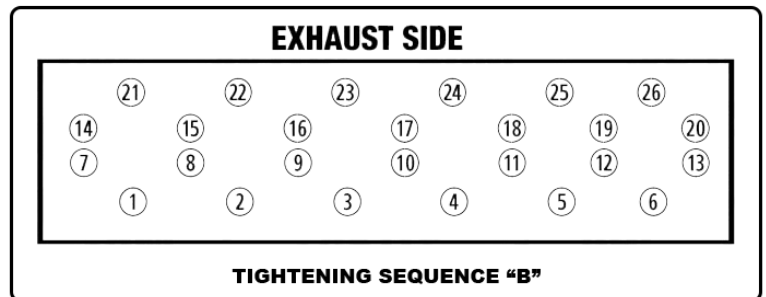
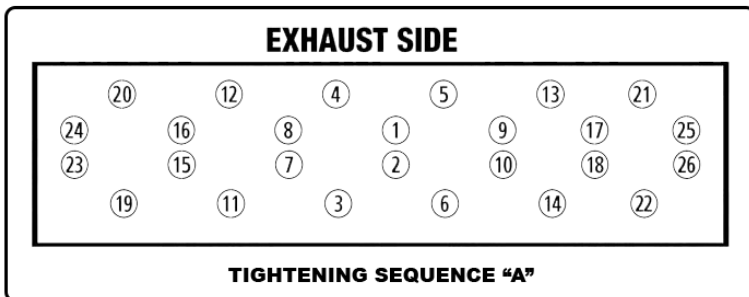
ENGINE BUILD SPECIFICATIONS – INTERNATIONAL® DT466B/C

MAIN CAP BOLTS:	115 ft/lbs
CONNECTING ROD BOLTS:	130 ft/lbs
INTAKE MANIFOLD BOLTS:	20 ft/lbs
EXHAUST MANIFOLD BOLTS:	57 ft/lbs
FLYWHEEL BOLTS:	100 ft/lbs
VIBRATION DAMPER:	105 ft/lbs
CYLINDER LINER PROTRUSION/RECESSION:	Protrusion: .002" - .005"
PISTON PROTRUSION:	.007" - .037"
CRANKSHAFT (TRUST) END PLAY:	.006" - .012"
ROCKER ADJUSTMENT NUTS:	20 ft/lbs
OIL PAN BOLTS:	13 ft/lbs
VALVE CLEARANCE (Set Cold):	Intake: .025" Exhaust: .025"
CYLINDER HEAD BOLTS:	110, 115, 165 ft/lbs
FIRING ORDER:	1 – 5 – 3 – 6 – 2 – 4
OIL PRESSURE AT IDLE:	20-50 PSI

CYLINDER HEAD TORQUE SEQUENCE:

First, lubricate bolt threads, bolt head seating areas, and washers with clean engine oil. Tighten bolts in three (3) stages, as follows:

- Stage 1 Following sequence "A", tighten bolts to 110 ft/lbs.
- Stage 2 Following sequence "A", tighten bolts to 115 ft/lbs.
- Stage 3 Following sequence "B", tighten bolts to 165 ft/lbs.



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