

# OIL AND FUEL FILTER REMOVAL AND INSTALLATION

**REQUIRED TOOLS:**

- Cup Wrench

**PRIOR TO REMOVAL**

Please read the following instructions before installation.

Drain engine oil when engine is hot – more containment will go out with the oil this way, and overall drainage will be more complete.

**INSTALLATION INSTRUCTIONS****WITH SPIN-ON OIL AND FUEL FILTERS**

1. Make sure old gasket has been removed from the engine mounting base.
2. Make sure the engine mounting base is clean.
3. To lubricate sealing gasket, wipe with a film of engine oil – NEVER USE GREASE!
4. Always tighten to the amount specified on the filter.

**NOTE:** May require the use of a cup wrench to obtain proper torque.

5. Never use a filter that has been dented or otherwise damaged.

**WITH ELEMENT-TYPE OIL AND FUEL FILTERS**

1. Always use gaskets. Re-use of a gasket that has already seen considerable service may result in a loss of seal with subsequent engine damage. Inspect gasket prior to re-using.
2. Clean filter cartridge housing thoroughly.
3. Double check that all gaskets are correctly seated before tightening.
4. Do not over-tighten housing bolt – tighten to manufacturer's specification only.

**NOTE:** After servicing filters always start and run the engine to check for leaks before putting the vehicle back into regular operation.