FEL-PRO INSTALLATION TIPS

INTAKE MANIFOLD GASKET

CLEAN MATING SURFACES of all foreign material and oil.

EXAMINE COOLANT PORT AREA OF MANIFOLD AND HEADS FOR PITTING. If pitting is excessive, resurface or replace castings. Although some mechanics fill in the pits with epoxy, we recommend refinishing or replacing castings. **Do not use RTV silicone to fill in the pits!**

ENSURE ALIGNMENT PIN HOLES in cylinder heads do not contain broken pins or other debris.

INSTALL SIDE RAIL GASKETS DRY WITHOUT SEALERS.

CREATE MANIFOLD END SEALS by applying a 1/4" dia. bead of RTV across front and rear ends of the block. Install manifold while RTV is still wet.

INSTALL NEW BOLTS with pre-applied sealer or wire brush old bolts and apply sealer.

SNUG BOLTS slowly by hand, two at a time, across from each other, to seat manifold down evenly.

TORQUE BOLTS IN THREE STEPS in crisscross pattern, from center outward, to 50, 100, and then 132 in. lbs. (11 ft lbs.).

-Continued-

VALVE COVER GASKET

To effectively seal this sophisticated engine application, FEL-PRO has included a PERMA-DRY molded rubber valve cover gasket. For this application removal of only one valve cover is necessary to perform a lower intake manifold gasket repair.

CLEAN MATING SURFACES of all foreign material including old gaskets, RTV and oil. You may wish to use a degreaser. Also, clean oil return holes.

CHECK COVER FLANGES for flatness. Straighten stamped metal covers. Replace if severely distorted. Distorted cast aluminum or plastic covers are difficult to straighten and should be replaced.

ATTACH AND ALIGN GASKET.

> **IMPORTANT:** This molded rubber silicone gasket must be installed **DRY** without any chemical adhesive.

PLACE GASKET IN VALVE COVER. This gasket is intentionally manufactured undersized and **requires slight stretching** to fit snugly into the cover.

REINSTALL COVER TO ENGINE. Torque securely to OEM specifications. Over-torquing can distort cover and cause leakage.

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