FEL-PRO INSTALLATION TIPS

INTAKE MANIFOLD GASKET

IMPORTANT: THESE GASKETS UTILIZE A RUBBER PUSH ROD INSTALLATION GUIDE PIN SYSTEM. THE RUBBER PINS ALLOW THE GASKET TO REPLACE BOTH THE EARLY DESIGN APPLICATIONS WITH PUSH ROD GUIDES ON THE CYLINDER HEAD, AND THE LATE DESIGN APPLICATIONS WITH PUSH ROD GUIDES ON THE INTAKE GASKET. ON THE EARLY DESIGN APPLICATIONS THE RUBBER PIN GUIDES ARE TO BE USED IN CONJUNCTION WITH THE GUIDES ON THE CYLINDER HEAD. ON THE LATE DESIGN APPLICATIONS THE RUBBER PIN GUIDES WILL WORK IN PLACE OF THE O.E. PLASTIC FORK STYLE GUIDES.

TO INSTALL, SIMPLY PLACE THE PUSH ROD ON THE VALVE LIFTER AND LET IT REST AGAINST THE RUBBER GUIDE PINS, THIS PROPERLY ALIGNS THE PUSH ROD WITH THE ROCKER ARM. THESE GUIDES ARE FOR INITIAL INSTALLATION ONLY, AND THEY ARE NONFUNCTIONAL DURING ENGINE OPERATION.

IMPORTANT!! Upper Metal Alignment Pin must line up with hole in cylinder head. If it does not, do not install the gasket as this is an indicator that wrong gasket is being used for that particular cylinder head.

Ensure alignment pin holes in cylinder heads do not contain broken pins or other debris.

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. Altough some mechanics fill in the pits with epoxy, we recommend refinishing or replacing castings. Do not use RTV silicone to fill in the pits!

INSTALL SIDE RAIL GASKETS DRY WITHOUT SEALERS.

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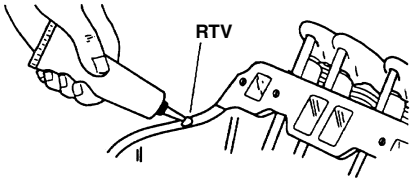

CREATE MANIFOLD END SEALS by applying a 1/4" dia. bead of RTV across front and rear ends of the block. Install manifold while RTV is still wet.

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

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

TORQUE BOLTS. Starting with the center bolts, and using a crisscross pattern, torque all bolts to 62 in. lbs, and then 115 in. lbs. Torque the 4 outer bolts to 18 ft. lbs.

VALVE COVER GASKETS

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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: The molded rubber silicone gaskets must be installed **DRY** without any chemical adhesive.

PRESS GASKET IN VALVE COVER.

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

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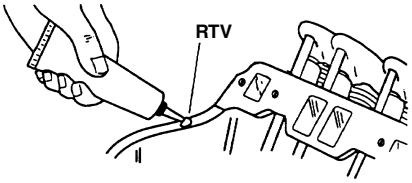

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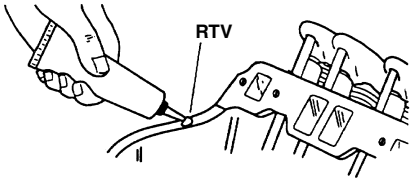

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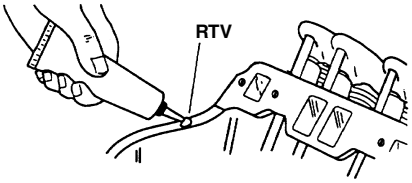

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