



FEL-PRO INSTALLATION TIPS

GENERAL INSTRUCTIONS

CLEAN MATING SURFACES. Use a degreaser.

CLEAN THREADS of bolts/studs; for nuts/threaded holes use a bottoming tap.

BOLT PREPARATION: Those entering coolant passages require pliable non-hardening sealer on threads and underside of bolt heads. Those not entering coolant passages require oil on threads and underside of bolt heads. Exhaust Assembly: Apply high temperature anti-seize lubricant to threadings.

CHECK CASTINGS for flatness. Straighten, resurface or replace if needed.

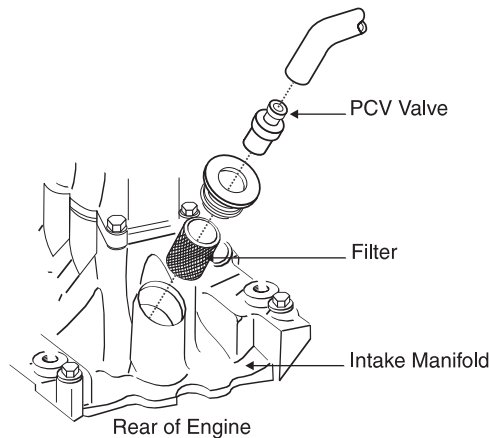
CYLINDER HEAD AND BLOCK: Refer to OEM manual to determine flatness tolerances and resurfacing limitations.

FINAL ASSEMBLY: Torque all fasteners to OEM specifications unless noted. CYLINDER HEAD torquing is critical; we recommend that you confirm with OEM.

VALVE COVER/PUSH ROD COVER

ATTACH AND ALIGN GASKET(S): Use quick-drying adhesive, applied sparingly. If gasket has installation tabs, adhesive is not required. **IMPORTANT:** If gasket is rubber, install dry.

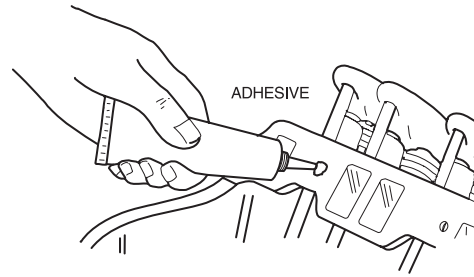
INTAKE MANIFOLD GASKET



IMPORTANT: 1986 and later Ford 5.0L applications, require the replacement of the crankcase breather filter, located under the PCV Valve. If the filter is not replaced the filter can get clogged with the carbon and sludge resulting in increased crankcase pressure, intake manifold end seal leakage, timing cover or rear main seal leakage.

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

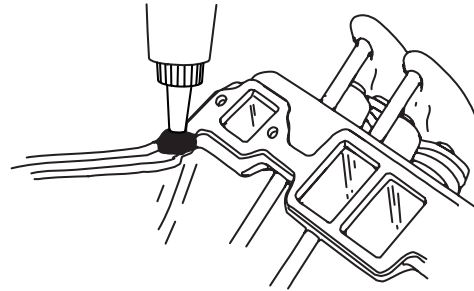
CHECK MANIFOLD CASTINGS for flatness of gasket surface. Resurface or replace if severely distorted or corroded.



ATTACH AND ALIGN END SEALS.

IMPORTANT: These molded rubber silicone seals must be installed **DRY** without any chemical adhesive.

ATTACH AND ALIGN GASKET(S) TO CYLINDER HEAD(S). Apply quick-drying adhesive sparingly in several places on the cylinder heads. Mount gasket(s) on cylinder head(s). **Allow time for adhesive to set.** Test for slippage with light pressure. If gasket moves, allow more time.



PRIOR TO REINSTALLING INTAKE MANIFOLD apply a small dab of silicone sealer, to the 4 corner intersections between the end seals and gaskets.

REINSTALL INTAKE MANIFOLD TO ENGINE. Torque securely to OEM specifications.

MISCELLANEOUS FLUID SEALING GASKET(S)/SEAL(S)

ATTACH AND ALIGN GASKET(S)/SEAL(S): If supplementary sealer is desired, apply a thin coat of gasket sealer to both sides of gasket(s). However, molded rubber gasket(s) or those with colored Printoseal® sealing beads, install **DRY**.

OIL PAN GASKET

PRIOR TO INSTALLATION check fit of cover gasket and oil pan segment(s). If necessary trim bottoms ends of cover gasket and oil pan segment(s) flush with castings. Make certain to align the gasket holes with the casting holes.

ATTACH AND ALIGN GASKET AND SEGMENT(S): Apply quick-drying adhesive sparingly in several places on the engine casting or block. Attach gasket(s) on surface where adhesive was applied. **Allow time for adhesive to set.** Test for slippage with light pressure. If gasket moves, allow more time.

PRIOR TO REINSTALLING COVER: Apply a 1/8" bead of RTV Black silicone sealer to the oil pan to block intersections.



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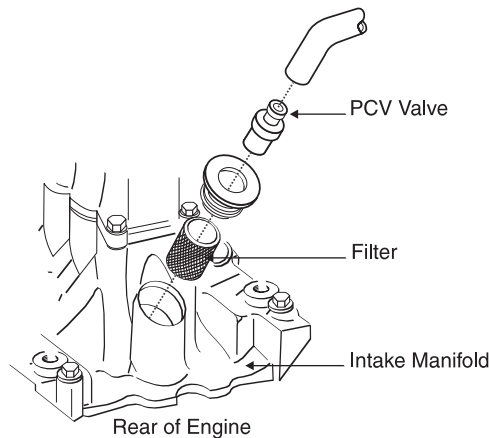
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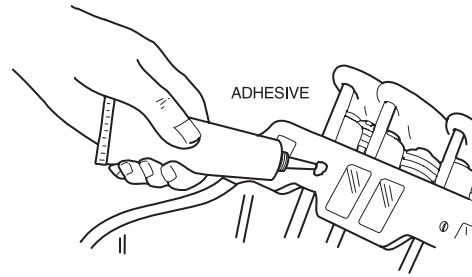
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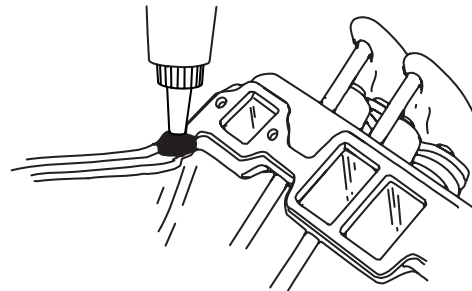
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