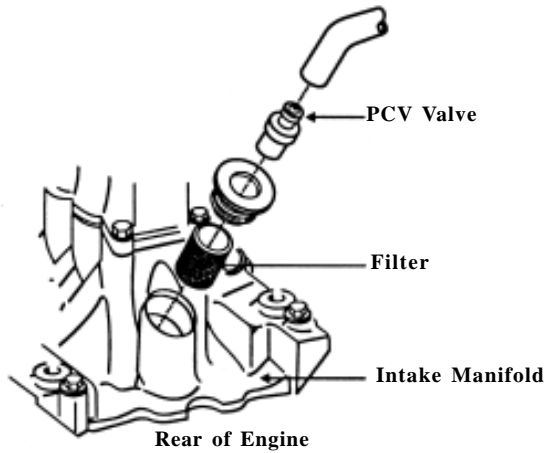


INTAKE MANIFOLD GASKET



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 carbon and sludge resulting in increased crankcase pressure, intake manifold end seal leakage, timing cover or rear main seal leakage.

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.

ATTACH AND ALIGN END SEALS.

Molded rubber silicone end seals: Must be installed **DRY** without any chemical adhesive.

Cork rubber end seals: Apply quick-drying adhesive sparingly to cylinder block. Mount end seals. **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.

REAR MAIN BEARING SEAL

REMOVE NICKS AND SCRATCHES (IF ANY) FROM THE CRANK-SHAFT SEALING SURFACE using a crocus cloth.

PRIOR TO INSTALLING THE REAR MAIN BEARING CAP apply an anaerobic sealant to either the rear main bearing cap or cylinder block mating surfaces. **Never** apply sealant on the ends of the seals.

REINSTALL CAP TO CYLINDER. Torque to OEM specifications.

LUBRICATE SURFACE of seal lip and crankshaft by applying a thin coat of motor oil or grease. If engine will not be started within several days, grease is recommended.

IMPORTANT: Never install any seal without break-in lubricant protection.

INSTALL SEAL into the cylinder block. The seal is properly installed when its largest raised sealing is toward the **front** of the engine. (Seals with a metal garter spring require the spring to face towards the **front** of the engine.)

FIT

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

CHECK ALL CASTINGS for flatness. Straighten, resurface or replace if out of flat conditions exists. **CYLINDER HEAD AND BLOCK:** refer to OEM manual to determine flatness tolerances and resurfacing limitations.

FINAL ASSEMBLY always requires torquing of fasteners according to OEM specifications. For certain assemblies we have provided specific torquing specifications.

HEAD GASKET

Follow any directional markings shown on gasket(s). If no markings exist, install gasket(s). **Fiber Faced Gasket(s):** Install dry. **Metal Faced Gasket(s):** Requires a thin even coat of sealer, to be applied to the metal side(s) of gasket.

VALVE STEM SEALS

POSITIVE GUIDE SEAL:

Use the plastic installation sleeve(s), included in this set, to prevent damage to the lip of the seal. Trim the plastic sleeve so it extends 1/16" below the keeper groove. Place the sleeve on the stem. Carefully start valve stem seal over sleeve. Remove and reuse plastic sleeve. **FOR RUBBER JACKET SEALS:** Push seal down over valve guide until it bottoms. **FOR SOLID OR METAL JACKET SEALS:** The use of an OEM service tool is recommended. If tool is unavailable, use a deep socket or rigid tube of appropriate diameter. Center tool over the shoulder of the seal and tap the seal down over the guide until it bottoms.

UMBRELLA TYPE SEAL:

Start valve stem seal over valve stem; push seal down on seal body until it touches top of valve stem guide. Seal will find its proper position on stem once engine starts.

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.

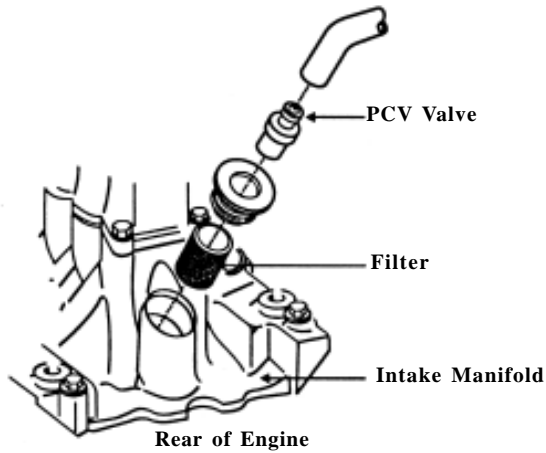
MISCELLANEOUS FLUID SEALING GASKET(S)/SEAL(S)

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 sealing beads, install **DRY**.

EXHAUST MANIFOLD GASKET

ATTACH AND ALIGN GASKET(S). If gasket has only one steel faced side, install steel side towards manifold.

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