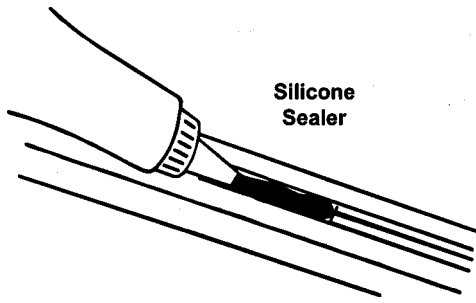




FEL-PRO INSTALLATION TIPS



CREATE VALVE COVER GASKET by applying a continuous 1/8"-3/16" bead of silicone sealer, such as RTV, to the mating surface. When cover is positioned on the cylinder head, avoid wiping off the RTV.

REINSTALL COVERTO ENGINE. Torque center hold-down nuts securely to 28 in. lbs. Over-torquing can distort cover and cause leakage.

INTAKE AND EXHAUST MANIFOLD GASKETS

Upon disassembly, it is likely to find the absence of an exhaust manifold gasket since none was offered as original equipment. However, this set includes an exhaust manifold gasket to accommodate slight casting distortion or corrosion that may have occurred over the engine's service life. Therefore, we recommend that the included exhaust manifold gasket be installed by the following instructions.

REMOVING MANIFOLDS from cylinder heads. **IMPORTANT:** You must disassemble the intake manifold from the exhaust manifold to allow for corrected realignment of the manifolds to the cylinder head during the reassembly.

REASSEMBLE MANIFOLDS. Install the intake-to-exhaust gasket between the intake and exhaust manifolds. Only finger tighten the manifolds together.

ATTACH AND ALIGN GASKET(S) TO CYLINDER HEAD(S). If gasket is steel faced on one side and fiber on the other, install steel faced side toward the manifold.

ATTACH AND ALIGN fiber faced intake manifold gasket over the intake /exhaust gasket.

REINSTALL INTAKE AND EXHAUST MANIFOLD ASSEMBLY to cylinder heads. Torque securely to OEM specifications. Now torque the intake manifold exhaust connection to OEM specifications. Over-torquing can fracture the manifold or cause the bolts and studs to break.

WATER OUTLET GASKET

TO ASSIST IN ALIGNMENT AND SEALING DURING ASSEMBLY, apply a thin coat of gasket sealer to both sides of gasket(s).

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 a 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.

HEAD GASKET

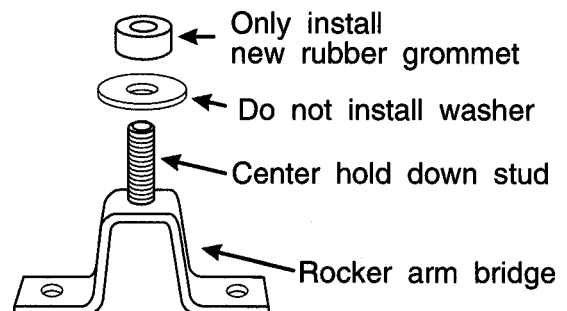
Follow any directional markings shown on gasket(s). If no markings exist, install gasket(s). **Fiber Faced Gasket(s):** Install dry. **Metal Faced Gasket(s):** Require a thin even coat of sealer applied to the metal side(s) of gasket.

VALVE STEM SEALS

- **INSTALL NEW SEALS** (70529)
- **NYLON TYPE SEAL, SNAP INTO BOTTOM OF RETAINER .**
- **GENTLY INSTALL THE VALVE AND VALVE STEM SEAL INTO THE HEAD.**
- **REPLACE VALVE SPRING ASSEMBLIES, COMPRESS SPRING JUST ENOUGH TO INSTALL KEEPERS.**

VALVE COVER GASKET

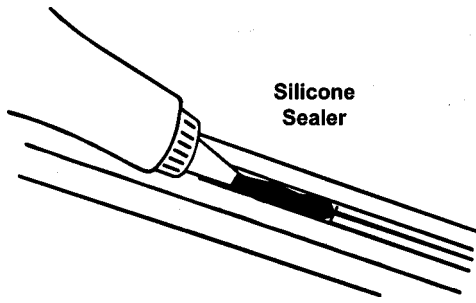
SEALING OPTIONS: Installation instructions, as indicated, are for creating a gasket using a silicone sealer. However, FEL-PRO's SPONGE-LAM® gasket is available for this AMC 258 valve cover in gaskets set VS 50244R. SPONGE-LAM is the best solution and offers the longest service life for this application.



INSTALL A NEW RUBBER GROMMET SEAL on each center hold-down stud (see drawing).



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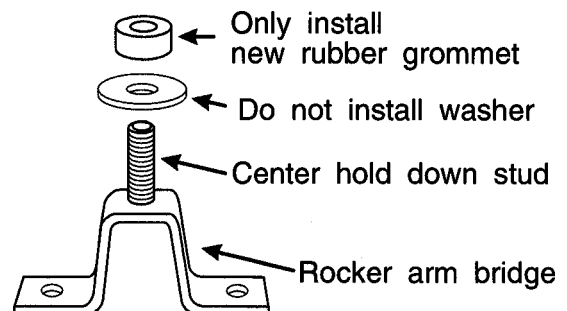
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