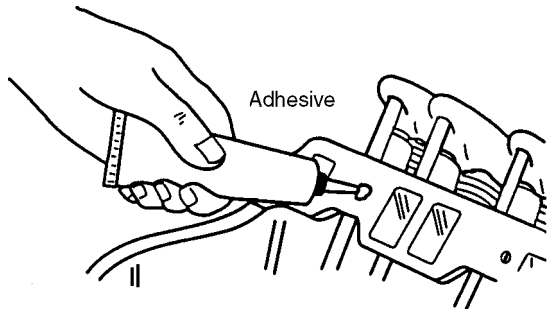


Mount gasket on cover. Allow time for adhesive to set. Test for slippage with light pressure. If gasket moves, allow more time. **REINSTALL VALVE COVER TO ENGINE.** Torque securely to OEM specifications. Over torquing can distort cover and cause leakage.

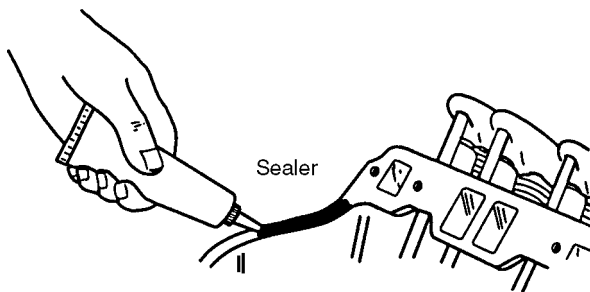
INTAKE MANIFOLD GASKET

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

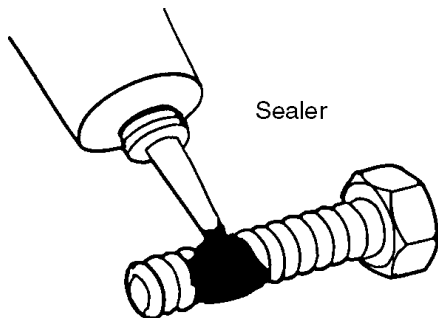
CHECK MANIFOLD CASTINGS for flatness of gasket surface. Resurface or replace if severely distorted or corroded.



ATTACH AND ALIGN 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.



CREATE INTAKE MANIFOLD END SEALS by applying a continuous 3/16" bead of silicone sealer across the front and rear ends of the cylinder block, from one cylinder to the other. **IMMEDIATELY PROCEED** to the next step, as sealer normally sets up in 10-15 minutes.



REINSTALL INTAKE MANIFOLD TO ENGINE while sealant is still wet. **IMPORTANT:** The bolts attaching the manifold to the heads should be coated with a thread locking sealer. Torque securely to OEM specifications.

TEST RUN ENGINE. Check all mating areas thoroughly to determine that all seals hold during operation.

FIT®

FEL-PRO INSTALLATION TIPS

Fel-Pro products are the result of exhaustive research and strict quality control. However, no sealing product is better than the quality of its installation.

VALVE STEM SEALS



For 1981 and later applications use Positive **Intake** and Umbrella **Exhaust** in addition to the "O" Ring. Prior to 1981 use "O" Ring **Intake & Exhaust** only.

REMOVE SPRING ASSEMBLIES, KEEPERS and the old valve stem seals.

REMOVE BURRS (IF ANY) FROM VALVE STEMS. Use a fine stone or crocus cloth. Clean stems thoroughly to remove all abrasives or dust particles. Lubricate lightly.

INSTALL NEW 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 plastic installation sleeve and reuse for installing remaining seals.

FOR RUBBER JACKET SEALS: Push seal down over valve guide until it bottoms.

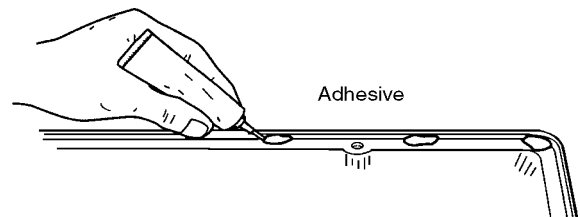
FOR SOLID OR METAL JACKET SEALS: The use of an OEM service tool is recommended. If tool is unavailable, use a deep socket or rigid tube of appropriate diameter. Center tool (or socket) over the shoulder of the seal and tap the seal down over the guide until it bottoms.

REPLACE VALVE SPRING ASSEMBLIES. Compress springs just enough to install keepers. **IMPORTANT:** Excessive compression can result in spring retainer damaging valve stem seal. Release spring carefully.

VALVE COVER GASKET

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.



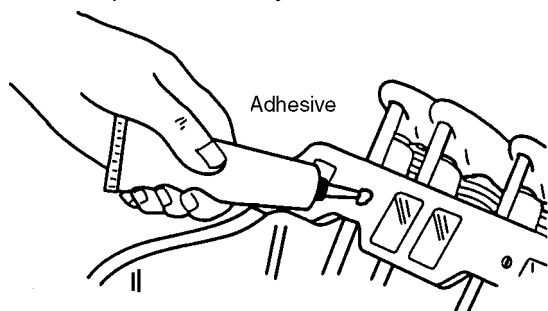
ATTACH AND ALIGN GASKET TO COVER. Apply quick-drying adhesive sparingly in several places on the mating surface of cover. If gasket has installation tabs, adhesive is not required.

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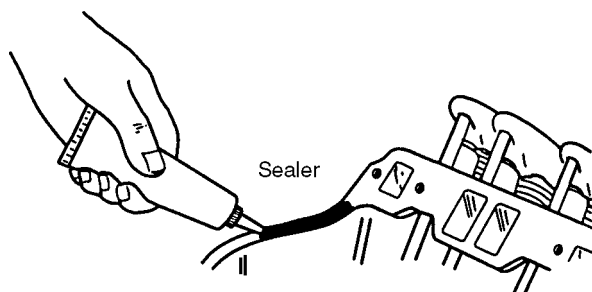
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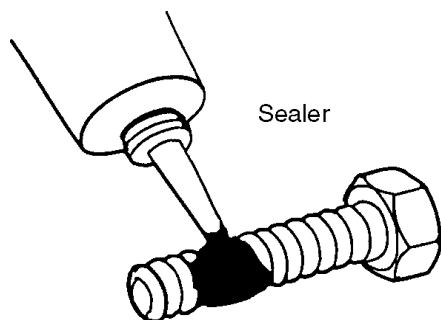
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VALVE STEM SEALS



Positive Intake



Umbrella Exhaust



"O" Ring
Intake & Exhaust

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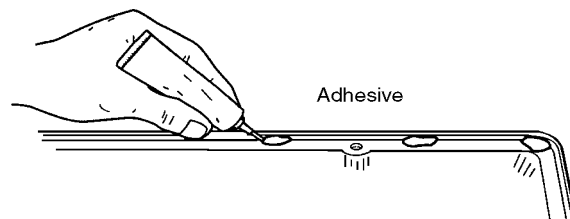
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