



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 STEM SEALS



Positive Intake



Positive Exhaust

Use green striped plastic installation sleeve.



Positive Auxiliary
Use brown/black
plastic installation sleeve.



"O" Ring Auxiliary

Use the valve stem seals included in this set for the applications indicated.

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.

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.

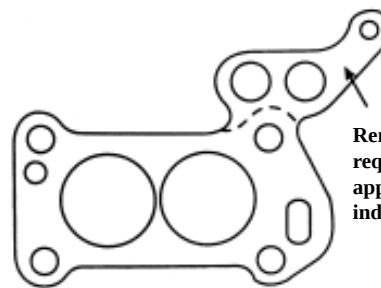
FOR RUBBER JACKET SEALS: Push seal down over valve guide until it bottoms.

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 shoulder of seal and tap seal down over guide until it bottoms.

"O" RING TYPE SEAL: Place "O" Ring seal on valve stem seal and position it into the proper groove. If "O" RING IS USED IN CONJUNCTION WITH A POSITIVE OR UMBRELLA SEAL, install the "O" Ring last.

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.

CARBURETOR GASKET



Remove this section as required per applications indicated.

The gasket included in this set is a consolidated design. Modification is required for the following applications:

- 1.4L Eng.
1981-84 Canadian Only
- 1.5L Eng.
1985 Canadian Only
1986 All models
- 1.6L Eng.
1970-77 "K&Z" Only
1981-84 "K" Canadian Colt only.
- 2.0L Eng.
1974-77 All Models
1978-79 Canadian Only
- 2.6 L Eng.
1978-83 Canadian Only



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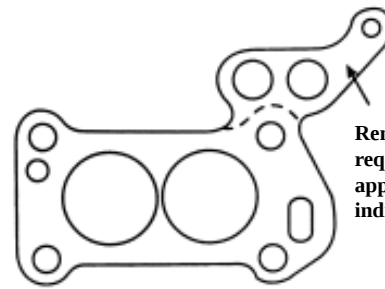
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