



## FEL-PRO INSTALLATION TIPS

### VALVE STEM SEALS



Positive  
Intake



"O" Ring  
Intake & Exhaust

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.

#### 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.

- Continued -

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 AND INSTALL "O" RINGS.** Compress springs just enough to install "O" Ring seal in second groove. **IMPORTANT:** If other types of seals are also being used, excessive compression can result in spring retainer damaging the seals. Install "O" Ring seal, then install keepers in first groove. Release spring carefully.

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Form No. I-1234 (Rev. 03/05)

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