

INTAKE MANIFOLD GASKET

V-TYPE ENGINES - FIBER SIDE GASKET(S) ALONG WITH FRONT AND REAR END SEAL(S): Attach and align gasket(s) and end seal(s) using a quick-drying adhesive sparingly. **PRIOR TO INSTALLING INTAKE MANIFOLD** apply a dab of silicone sealer where all gaskets and seal meet.

INLINE ENGINES: Attach and align gaskets to cylinder heads.

IMPORTANT: WHEN INSTALLING STEEL SHIM GASKET(S): Apply a sealer around intake ports on both sides. If gasket(s) have water ports, apply a 1/8" continuous bead of silicone sealer around each water port on both sides. While RTV is wet, install intake manifold.

EXHAUST MANIFOLD GASKET

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

WATER OUTLET GASKET

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



FEL-PRO INSTALLATION TIPS

HEAD GASKET

ATTACH AND ALIGN GASKET(S) FOLLOWING ANY DIRECTIONAL MARKINGS SHOWN ON THE GASKET. If no markings exist, simply install the gasket by matching the gasket to engine deck surface.

FIBER FACED GASKET(S) are to be installed dry. **METAL FACED GASKET(S)** require a thin even coat of sealer to be applied to the metal side(s) of the gasket.

TORQUE SPECIFICATIONS: The CORRECT cylinder head bolt torque for this engine is 80-90 ft. lbs. Disregard lower torque figures that appear in some service and technical manuals. Incorrect torque will result in early gasket failure.

VALVE STEM SEALS

POSITIVE GUIDE SEAL:

Use plastic installation sleeve(s), to prevent damage to lip of seal. Trim plastic sleeve so it extends 1/16" below keeper groove. Place sleeve on stem. Carefully start valve stem seal over sleeve. Remove and reuse plastic sleeve.

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

FOR SOLID/METAL JACKET SEALS: Use of OEM service tool is recommended. If tool is unavailable, use deep socket or rigid tube of appropriate diameter. Center tool over shoulder of seal and tap seal down over guide until it bottoms.

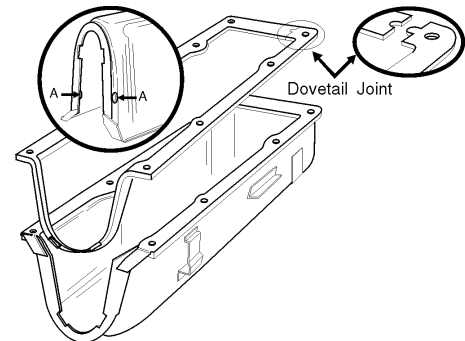
UMBRELLA TYPE SEAL:

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 GASKET

ATTACH AND ALIGN GASKET. Apply a quick-drying adhesive sparingly in several places on the mating surface of cover. If gasket has installation tabs, adhesive is **not** required. Mount gasket on cover. **Allow time for adhesive to set.** Test for slippage with light pressure. If gasket moves, allow more time.

GASKET CAN BE INSTALLED ONLY ONE WAY. Merge ends of dovetail joint at one corner of gasket. Your cover and location of dovetail joint may vary from drawing.



REINSTALL COVER TO ENGINE. Press down firmly.

INSTALL AND TIGHTEN ALL CAP SCREWS in side rails and rear end. Securely tighten cap screws at "A" if present.

CAUTION: Over-torquing can distort cover and cause leakage.

START CAP SCREWS. If 2 slotted holes are present (see "A" in drawing) do not tighten down.

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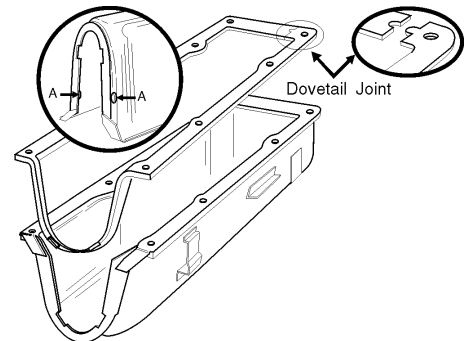
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