

Passenger (Mercury)

223 Engine

Intake & Exhaust:

1961 - 1962 Exc. Zero Lash.....Use 2
of Part No. 10777.

1961 - 1962 With Zero LashUse 2
of Part No. 13807.

Truck Only

262 Engine

Intake & Exhaust:

1961 - 1963Use 2 of Part No. 13807.

1964 Light Duty.....Use 2
of Part No. 10777.

1964 Heavy DutyUse 2
of Part No. 13807.

Tractor

223 Engine

Intake & Exhaust:

1961 - 1966 6000 SeriesUse 2
of Part No. 13807.

UMBRELLA TYPE SEAL: Start valve stem seal over valve stem; push seal down on seal body until it touches top of valve stem guide or "boss". Seal will find its proper position on stem once engine starts.

"O" RING TYPE SEAL: Place "O" Ring seal on valve stem and position it into the proper groove.

INTAKE AND EXHAUST MANIFOLD GASKETS

IMPORTANT:

Intake-to-exhaust connections with 3 bolt hole will not use a gasket

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

REASSEMBLE MANIFOLDS. Install the intake-to-exhaust gasket between the intake and exhaust manifolds. If gasket is steel faced on one side and fiber on the other, install steel faced side toward the exhaust manifold. 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.

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.

MISCELLANEOUS FLUID SEALING GASKET(S)/SEAL(S)

ATTACH AND ALIGN GASKET(S)/SEAL(S): If supplementary sealer is desired, apply a thin coat of gasket sealer to both sides of gasket(s). However, molded rubber gasket(s) or those with colored sealing beads, install **DRY**.



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** the coolant passages require a pliable non-hardening sealer on the bolt threads and the underside of bolt heads. Those **not entering** the coolant passages require oil on the bolt threads and underside of the bolt heads. **Exhaust Assembly:** Apply a high temperature anti-seize lubricant to the threadings.

CHECK ALL CASTINGS for flatness. Straighten, resurface or replace if out of flat conditions exists. **CYLINDER HEAD AND BLOCK:** refer to OEM manual to determine flatness tolerances and resurfacing limitations.

FINAL ASSEMBLY always requires torquing of fasteners according to OEM specifications. 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):** Requires a thin even coat of sealer, to be applied to the metal side(s) of gasket.

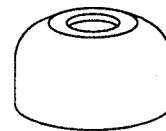
VALVE COVER/PUSH ROD COVER

ATTACH AND ALIGN GASKET(S): Use quick-drying adhesive, applied sparingly. If gasket has installation tabs, adhesive is not required. **IMPORTANT:** If gasket is rubber, install dry.

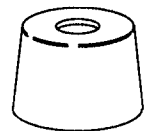
VALVE STEM SEALS



"O" Ring
Part No.
5112



Umbrella
Part No.
10777



Umbrella
Part No.
13807

Install valve stem seals as indicated.

Passenger & Truck

215 Engine

Intake & Exhaust:

1952 - 1953..... Use 2 of Part No. 5112 and
2 of Part No. 10777.

Passenger & Truck

223 Engine

Intake & Exhaust:

1954 - 4/1/61..... Use 2 of Part No. 10777.

4/1/61 - 1964 Use 2 of Part No. 13807.

Passenger (Edsel)

223 Engine

Intake & Exhaust:

1956 - 1960 Use 2 of Part No. 10777.

Passenger (Mercury)

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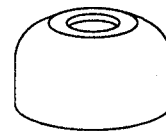
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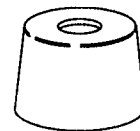
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