

SOLUTIONS

Ford 3.8L, 3.9L, & 4.2L V6 Intake Manifold Gaskets

ISSUE:

On the workhorse 3.8L, 3.9L, and 4.2L Ford V6 engines, intake manifold gasket design and construction may lead to a problem. Brand F shares a common bead for coolant and intake ports and is constructed of silicone rubber. Brand OE utilizes silicone rubber in a separate coolant port bead. In both gasket designs, coolant comes in contact with silicone. In the Brand F gasket design, oil as well as coolant, comes in contact with silicone. The result, in both cases, is swelling of the silicone which can contribute to premature gasket failure.

RESOLUTION:

MAHLE Original has utilized a type of molded rubber beading called fluoroelastomer (FKM) on its replacement gasket for the 3.8L, 3.9L, and 4.2L Ford engine. FKM is both oil and acid resistant – perfect for an environment, like these Ford engines, where oil and coolant contact the manifold gasket sealing beads. FKM is long proven in harsh industrial and automotive environments. We also updated our sealing bead design to parallel OE improvements as shown in the top illustration with the green FKM sealing beads.

APPLICATION:

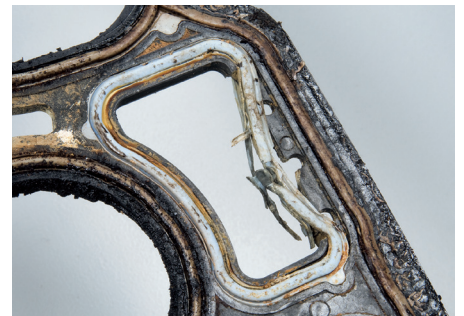
MAHLE Original part numbers are:

- **MS16230** Ford V6, 3.8L, 2000-2004, 3.9L 2004. Ford Truck V6, 3.9L 2004-2007, 4.2L, 2000-2008
- **MS16230-1*** Ford Truck V6, 256, 3.8L, (Vin 2) 2000-2003, Windstar.

**Contains Plenum Chamber Gasket, Intake Manifold Isolator Grommets Not Included. Use With Part Number GS33438 or GS33439. GS33438 (1) Intake Manifold Grommet Set (Contains 8 Isolator Grommets Only); GS33439 (1) Intake Manifold Bolt Set (Contains 8 Intake Manifold Isolator Bolts With Grommets)*



See the individual beads for intake and coolant ports on the MAHLE Original design (foreground-green).



Failed silicone beading won't happen with the MAHLE Original FKM material!