

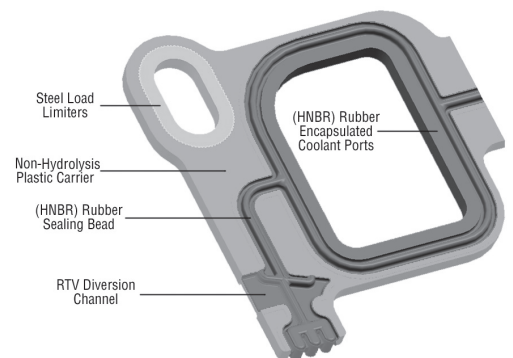
# SOLUTIONS

## General Motors 4.3L V-6 and 5.0L, 5.7L V-8 Vortec™ Intake Manifold Installation Sets

### ISSUE:

The intake manifold gaskets on late model General Motors (GM) engines have a tendency to fail prematurely because of damage to the coolant port area caused by a combination of heat, motion, and the corrosive effects of organic acid technology coolant (OAT) on the carrier and sealing bead.

Moreover, when servicing the intake manifold on these engines, technicians often need to buy additional gaskets that are not normally found in traditional intake manifold gasket sets. These include valve cover gaskets, injector o-rings, water and emissions connections, and other miscellaneous gaskets.



### RESOLUTION:

MAHLE Original has just introduced newly redesigned intake manifold gaskets for GM Vortec™ V6 and V8 engines. These revolutionary gaskets feature:

- A hydrolysis-resistant plastic carrier that does not absorb fluid.
- Acid-resistant Hydrogenated Nitrile Butadiene Rubber (HNBR) sealing beads. Original equipment and aftermarket engineers consider HNBR to be the best material available for withstanding damage from harsh coolant system chemicals.
- HNBR encapsulated coolant ports that help prevent coolant port leaks.
- Steel load limiters that prevent the gaskets from crushing during installation and that help the gaskets maintain a consistent load during engine thermal cycling.
- RTV diversion channels unique to the aftermarket that keep RTV material from migrating to the sealing bead, causing gasket failure.

In addition, MAHLE Original has a new line of Manifold Installation Sets (MIS) for late model GM vehicles. The new MIS kits include all of the gaskets and other items needed for a technician to properly service the intake manifold.



MAHLE Original V8 Manifold Installation Set (V6 Sets Also Available)

### APPLICATION:

MAHLE Original offers the following new MIS kits for GM vehicles:

- Part number **MIS16167** for 1996 to 2002 5.0L VIN M and 5.7L VIN R Vortec V8 truck engines
- Part number **MIS16168** for 1996 to 2007 4.3L VIN X and VIN W Vortec V6 truck engines
- Part number **MIS16168A** for 2006 to 2009 4.3L Vin X truck engines

Part numbers for additional applications will be coming soon. Stock up on these popular new kits today!