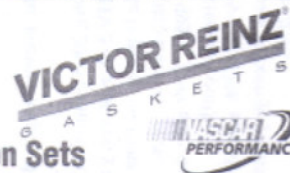


SOLUTIONS™



General Motors 3.1L and 3.4L 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:

Victor Reinz has just introduced newly redesigned Victo-Tech™ intake manifold gaskets for GM 3.1L and 3.4L V6 engines. These revolutionary gaskets feature:

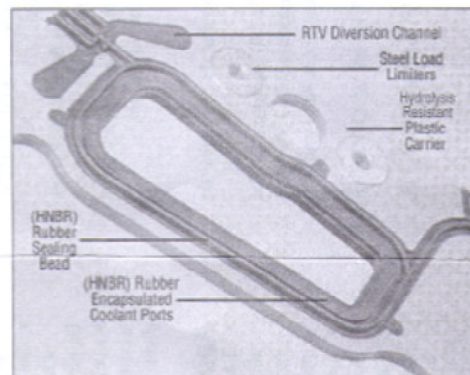
- A hydrolysis-resistant plastic carrier that does not absorb fluid.
- Acid-resistant Hydrogenated Nitrile Butadiene Rubber (HNBR) sealing beads. Original equipment and aftermarket engineers consider HNBR to be the best material available for withstanding damage from harsh coolant system chemicals.
- HNBR encapsulated coolant ports that help stop 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, Victor Reinz 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.

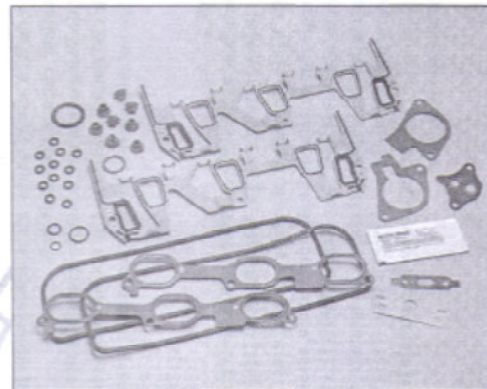
Application:

Victor Reinz offers the following new MIS kits for GM vehicles:

- Part number MIS16259 for 1996 to 2005 3.4L OHV VIN E V6 truck engines, 1999 to 2005 3.4L OHV VIN E V6 passenger car engines, and 3.1L OHV VIN J V6 passenger car engines. Part number GS33420, a replacement intake manifold bolt set, is also available for these engines.
 - Part number MIS17892 for 1995 to 1999 3.1L OHV VIN M V6 passenger car engines (2nd design with roller rockers).
 - Part number MIS16166 for 1993 to 1996 3.1L OHV VIN M V6 passenger car engines (1st design with bolt and nut rockers).
- * Available Mid-October 2006



Victo-Tech™ Plastic



Victor Reinz 3.4L Manifold Installation Set