

Chrysler 3.7L,4.7L,5.7L,6.1L, and 6.4L Engines Cylinder Head Installation Bulletin

Contamination/Foreign debris

In an effort to create better air fuel mixture for improved emissions and economy. Many of today's intake manifolds are now composite materials with complex designs and intricate cavities unlike previous cast iron or aluminum units. In doing so the interior of these manifolds are nearly impossible to completely clean if contaminated with debris from the original engine failure. Additionally if the pieces were hot enough coming out of the combustion chamber they may actually adhere to the composite material internally only to dislodge at a later date.

Intake manifold replacement may be the only solution

The Chrysler Power Tech and Hemi engines listed above use aluminum cylinder heads that incorporated the use of PM (Powder Metal) valve seat inserts that have a tendency (when subjected to elevated combustion or coolant temperatures) to dislodge from the cylinder head casting. When impacted these PM inserts shatter into small pieces that can/will be drawn into the intake manifold through its vacuum environment. These contaminants will be drawn directly into the replacement engine upon start up and cause immediate damage within the combustion chamber and components



Foreign Debris failures as outlined herein will not be warranted