



## Engine Oil or Coolant leaks on 2010-2018 GM 3.0 & 3.6L HF Engines

The AERA Technical Committee offers the following information regarding engine oil or coolant leaks on 2010-2018 GM 3.0 & 3.6L GM HF engines. This condition can occur on either bank cylinder head and may result in an engine miss-fire DTC.

This leak condition allows oil or coolant to collect and accumulate in the cylinder head spark plug well and eventually cause an engine miss-fire. After assuring the fluid is not originating from any other source, consider a porosity condition in the affected locations.

If the Spark Plug Tube is leaking replace the Cylinder Head spark plug and coil. These leaks are caused by porous spots in the head created during manufacturing. The spark plug tubes are permanently sealed into the head and are not replaceable. Some engines failure may be subject to a GM warranty.

If you replace a cylinder head for this concern, it is suggested to permanently mark the faulty spark plug tube so other remanufacturing facilities will know where the concerns were located. Subject heads should be removed from remanufacture processes and placed in the scrap pile for later collection.

