



STAR ONLINE PUBLICATION



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Symptom/Vehicle Issue: High Pressure (HP) Exhaust Gas Recirculation (EGR) Cooler, Perceived Internal Coolant Leak.

Discussion: Reports have been received of HP EGR Coolers being replaced for what appears to be internal coolant leaks. Extensive testing on the returned parts from the field have all been deemed as No Trouble Found (NTF).

A review of warranty claims indicates that during diagnosis, and inspection of the HP EGR system, there are signs of moisture being found in the cooler, valve, and intake tube. This moisture is being mistaken for coolant.

The source of the moisture being seen is condensation that is built up within the HP EGR system. This condensation is a normal characteristic for vehicles utilizing both a High Pressure, and Low Pressure EGR system. Vehicles that utilize a LP EGR system require less flow from the HP EGR system to control emissions. The lower volume of flow through HP EGR can lead to a buildup of condensation within the components. This is completely normal, and is not to be mistaken for coolant leaks.

During diagnosis, if the moisture seen within the HP EGR cooler is suspected to be coolant, the following **MUST** be performed prior to replacing any parts.

1. Inspect, and verify the coolant level in the vehicle. If the coolant level is not low, the source of the moisture is most likely not coolant.
2. Inquire if the vehicle has had a history of using coolant. If it has not, the source of the moisture is most likely not coolant.
3. Pressure test the cooling system. If the system hold pressure, the EGR cooler is not leaking, and the source of the moisture is not coolant.

This document does not authorize warranty repairs. This communication documents a record of past experiences. STAR Online does not provide any conclusions about what is wrong with the vehicle. Rather, it captures all previous cases known that appear to be similar or related to the vehicle symptom / condition. You are the expert, and you are responsible for deciding on the appropriate course of action.

Contact STAR Center, or your Technical Assistance Center Via TechCONNECT or eCONTACT ticket if no solution is found