

## STAR ONLINE PUBLICATION

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**Case Number: S2025000005**

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**Symptom/Vehicle Issue:** Malfunction Indicator Lamp (MIL) Illumination. Diagnostic Trouble Codes P0407 – EGR Sensor B Circuit Low, or P0408 – EGR Sensor B Circuit High Set

**Discussion:** A small number of customers may experience a MIL illumination. They may also comment that the engine may have a perceived lack of power or misfire. Upon further inspection, a technician may find DTC P0407, or P0408 set in the Powertrain Control Module (PCM). They may also find one or more of the following DTCs.

- P0300 – Multiple Engine Misfire.
- P0301 – Cylinder1 Misfire.
- P0302 – Cylinder 2 Misfire.
- P0303 – Cylinder 3 Misfire.
- P0304 – Cylinder 4 Misfire.
- P0305 – Cylinder 5 Misfire.
- P0306 – Cylinder 6 Misfire.
- P049D – EGR Control Position Exceeding Learning Limit
- P04DD – Cold Start EGR 1 Flow Insufficient Detected
- P045E – EGR B Control Stuck Open
- P225D – NOX Sensor 1/1 Performance, Signal Stuck Low

If you receive a vehicle with any of the above codes setting along with the P0407, or P0408, concentrate diagnosis on the P0407/8 first before diagnosing any other codes. When either of these 2 DTCs set, the PCM will actuate the Low Pressure EGR valve in order to determine its position. This may lead to the valve being either open or closed during the wrong times which can lead to the other DTCs or drivability concerns.

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**