STAR ONLINE PUBLICATION

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Symptom/Vehicle Issue: Customer's complaint may include Mil-On along with possible engine running rough or misfire feel.

Customer Complaint/Technician Observation: Upon further investigation, the following DTCs may be set in the PCM (powertrain control module):

- P0302 – Cyl 2 misfire
- P0303 – Cyl 3 misfire
- P0305 – Cyl 5 misfire
- P0308 – Cyl 8 misfire
- P3400 – Cylinder Deactivation System – Bank 1
- P3497 - Cylinder Deactivation System - Bank 2
- P219A – Bank 1 Air-Fuel Ratio Imbalance
- P219B – Bank 2 Air-Fuel Ratio Imbalance

Discussion: If any of the above conditions exist, there is the possibility injector connectors are mis-connected or erroneously swapped. Instances where injector connectors for cylinders 5 and 7 were swapped have been more common, but other combinations of cylinders where injector connectors are "cross-connected" are possible.

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

Repair Procedure: Before performing published diagnostic procedures for any of the DTCs shown above, a vehicle scan report should be saved. Then, it is recommended to perform an inspection of ALL of the injector connectors using wire colors as a reference from the wiring section in Service Library. Once all connections have been verified (or corrected), erase the DTCs and test drive the vehicle to ensure the condition has been repaired.

If the DTCs do not reset, return the vehicle to the customer.

If any of the DTCs DO return, please follow the published diagnostic procedures in Service Library for any of the DTCs that reset.

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