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Case Number: S2225000004

Release Date: September 2022

Symptom/Vehicle Issue: Customer complaint may include MIL-On/check engine lamp-on condition. Upon further inspection, a DTC for P0456-Small Leak Detected may be set in the PCM.

Discussion: If leakage is detected after performing Wi-Tech EVAP Small Leak Verification Test (SLVT), then check for proper connection of the recirculation line at the fuel filler vent tube as shown in figure 1.



Figure 1

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



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Unless the connection is obviously not connected (as in figure 1), perform a pull-push-pull test on the connection.

If the quick connect is found to be loose, then properly connect the line to the fuel filler vent tube and run Wi-Tech EVAP Small Leak Verification Test (SLVT) again to confirm that the leakage is no longer present.

If the recirculation line is found to be properly connected, then follow the published diagnostic routine in Service Library for P0456 to analyze the EVAP leak.

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