



STAR ONLINE PUBLICATION



Case Number: S212500002 Rev. A

Release Date: August 2021

Symptom/Vehicle Issue: Customer complaint includes a Mil-on condition. Upon further investigation, one or more of the following fault codes may be set in the PCM:

- P0456 - EVAP System Small Leak
- P0455 - EVAP System Large Leak
- P04EC - EVAP System Large Leak - Fuel Tank Side (PHEV only)
- P04EE - EVAP System Very Small Leak - Fuel Tank Side (PHEV only)
- P0441 - EVAP Purge Flow Performance
- P1CEA - Boost Side EVAP Purge System Performance

Discussion: Perform the appropriate Wi-Tech EVAP Leak Test.

Note: EVAP test procedure will vary depending on whether it is a conventional or PHEV system

If a leak is detected after testing, then check for proper connection of the recirculation lines in the mid-point quick-connect as shown in Fig. 1 or 2. If the quick connect is loose, then properly reconnect the lines and run the Wi-Tech EVAP Leak Test again to confirm that leakage is no longer present.

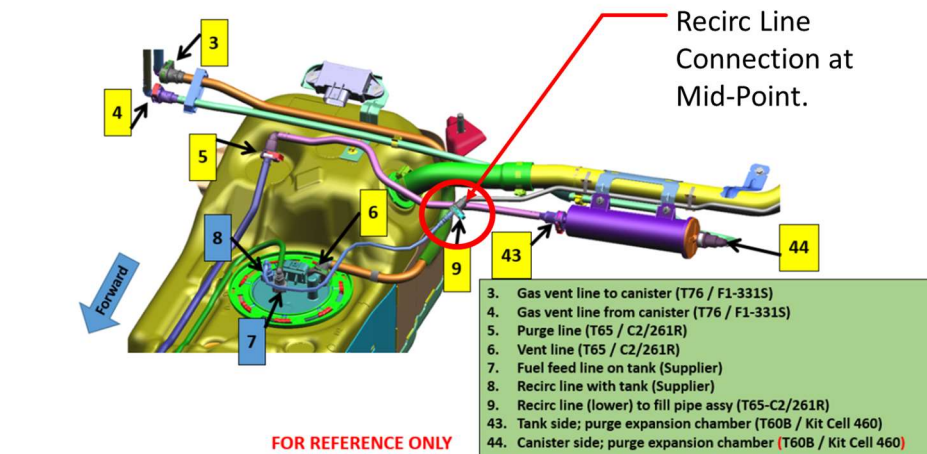


Fig. 1 – JL 2.0L and 3.6L engines

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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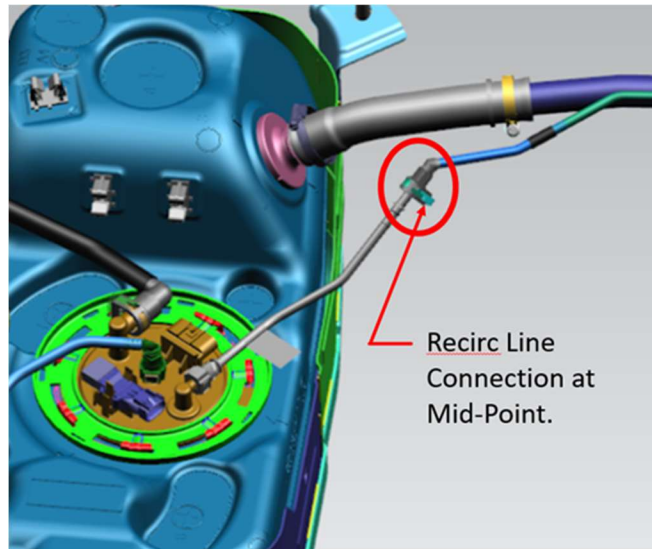


Fig. 2 – JL 2.0L PHEV (ECX –Engine)

If the mid-point connection was properly connected, then follow the appropriate published service diagnostics for the fault code(s) that set to determine the root cause.

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