

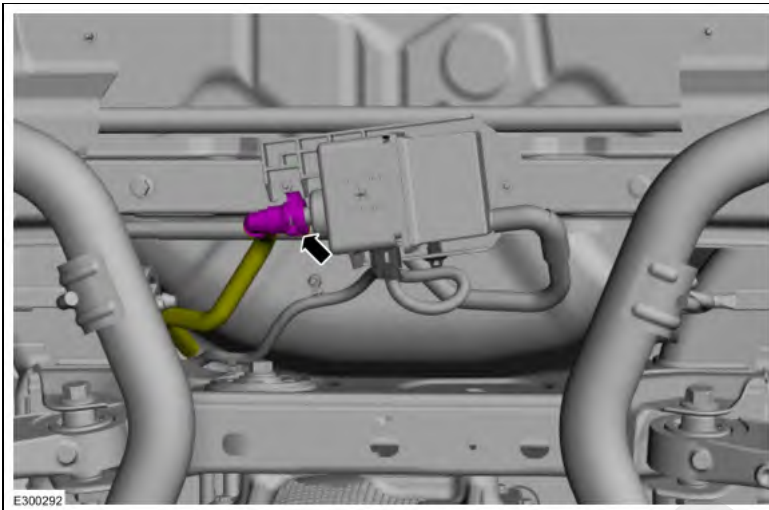
Evaporative Emission System Leak Test

Check

1. With the vehicle in NEUTRAL, position it on a hoist.
Refer to: Jacking and Lifting - Overview (100-02 Jacking and Lifting, Description and Operation).
2. **NOTICE: Do not apply smoke to the EVAP leak detection control module. Internal module damage may result.**

NOTE: Typical application shown

Connect the VACUTEC Smoke Machine Fuel Evaporative Emission Tester to the quick connect fitting where shown. Refer to the manufacturer's instructions.
Refer to: Quick Release Coupling (310-00D) .



3. Using the VACUTEC Smoke Machine Fuel Evaporative Emission Tester, pressurize the EVAP system.
4. Monitor the indicator flag on the VACUTEC Smoke Machine Fuel Evaporative Emission Tester. If the measurement is below the indicator flag, the system has passed the leak test and the test procedure is complete. If the measurement is above the indicator flag, the system has failed the leak test. If the leak test has failed, proceed to next step.
5. Introduce smoke from the VACUTEC Smoke Machine Fuel Evaporative Emission Tester into the EVAP system. Refer to the manufacturer's instructions.
6. Use the halogen light provided with the VACUTEC Smoke Machine Fuel Evaporative Emission Tester to look for smoke coming from the EVAP system. This would indicate a leak point.
7. Repair any leaks as necessary.
8. **NOTE:** In addition to the VACUTEC leak check, an IDS HEV routine is available to run the on-board leak test. This leak test should indicate whether a leak is present or not but does not necessarily show where the leak is located. The IDS takes approximately 12 to 17 minutes to run depending on fuel level.

Repeat the leak test until the system passes.