Evaporative Emission Canister Vent Solenoid

Removal and Installation

⚠️ WARNING: Always disconnect the battery ground cable at the battery when working on an evaporative emission (EVAP) system or fuel-related component. Highly flammable mixtures are always present and may be ignited. Failure to follow these instructions may result in serious personal injury.

⚠️ WARNING: Do not smoke, carry lighted tobacco or have an open flame of any type when working on or near any fuel-related component. Highly flammable mixtures are always present and may be ignited. Failure to follow these instructions may result in serious personal injury.

1. With the vehicle in NEUTRAL, position it on a hoist. For additional information, refer to Section 100-02.
2. Disconnect the battery ground cable. For additional information, refer to Section 414-01.
3. NOTE: The evaporative emission (EVAP) canister assembly is located above the spare tire.
   Remove the spare tire.
4. Disconnect the fuel vapor tube quick connect coupling. For additional information, refer to Section 310-00.
5. Disconnect the fuel vapor hose.
6. Remove the 2 front EVAP canister assembly bracket bolts.
   - To install, tighten to 13 Nm (10 lb-ft).

7. Remove the 2 outer rear EVAP canister assembly bracket bolts.
   - To install, tighten to 20 Nm (15 lb-ft).

8. Remove the 2 inner rear EVAP canister assembly bracket bolts.
   - To install, tighten to 13 Nm (10 lb-ft).

9. Lower the EVAP canister assembly down slightly to disconnect the EVAP canister vent solenoid electrical connector and remove the EVAP canister vent solenoid harness pushpin retainer.
10. Remove the EVAP canister assembly.
11. Remove the EVAP canister heat shield.
12. Disconnect the EVAP canister-to-EVAP filter assembly tube fuel vapor hose.
13. Remove the EVAP canister vent solenoid and EVAP filter assembly tube from the EVAP assembly.
14. Disconnect the EVAP canister vent solenoid-to-dust separator fuel vapor hose.
15. Separate the EVAP canister vent solenoid from the EVAP filter assembly tube.
16. To install, reverse the removal procedure.