

SECTION 303-13: Evaporative Emissions  
REMOVAL AND INSTALLATION

2014 F-150 Workshop Manual  
Procedure revision date: 10/25/2013

## Evaporative Emission Canister Vent Solenoid

### Removal and Installation

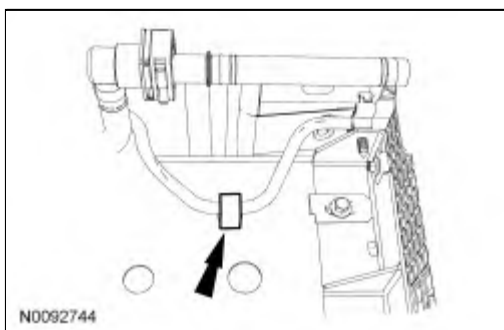


**WARNING:** Always disconnect the battery ground cable at the battery when working on an evaporative emission (EVAP) system or fuel-related component. Highly flammable mixtures are always present and may be ignited. Failure to follow these instructions may result in serious personal injury.

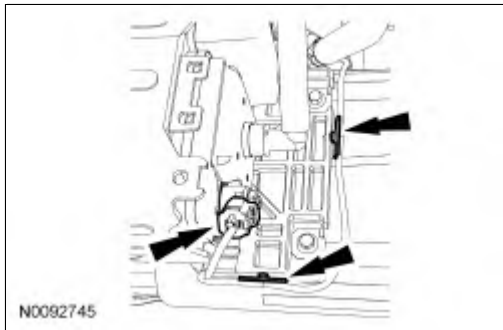


**WARNING:** Do not smoke, carry lighted tobacco or have an open flame of any type when working on or near any fuel-related component. Highly flammable mixtures are always present and may be ignited. Failure to follow these instructions may result in serious personal injury.

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. Disconnect the Fuel Tank Pressure (FTP) sensor and vapor tube assembly-to-Evaporative Emission (EVAP) canister vapor tube quick connect coupling. For additional information, refer to [Section 310-00](#).
4. Disconnect the fuel tank supply tube-to-center fuel supply tube quick connect coupling. For additional information, refer to [Section 310-00](#).
5. Disconnect the front fuel supply tube-to-center fuel supply tube quick connect coupling. For additional information, refer to [Section 310-00](#).
6. Disconnect the front vapor tube-to- EVAP canister quick connect coupling. For additional information, refer to [Section 310-00](#).
7. Remove the vapor hose from the EVAP canister vent solenoid.
8. Disconnect the center fuel supply tube-to-frame pushpin retainer.



9. Disconnect the EVAP canister vent solenoid electrical connector and 2 pushpin retainers.



10. Remove the 4 EVAP canister assembly bolts and remove the EVAP canister from the vehicle.
  - To install, tighten to 13 Nm (115 lb-in).
11. Place the EVAP canister assembly on a workbench.
12. Open the front retainer and position the center fuel supply tube out of the retainer.
13. **NOTE:** Before tightening the front bracket bolts, extend the front bracket as far forward as possible.

Remove the 2 bolts and the EVAP canister assembly front bracket from the EVAP canister.

- To install, tighten to 9 Nm (80 lb-in).
14. Remove the canister vent solenoid and dust box from the EVAP canister.
  15. To install, reverse the removal procedure.
    - Carry out the Evaporative Emission System Leak Test. For additional information, refer to [Evaporative Emission System Leak Test](#) in this section.
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