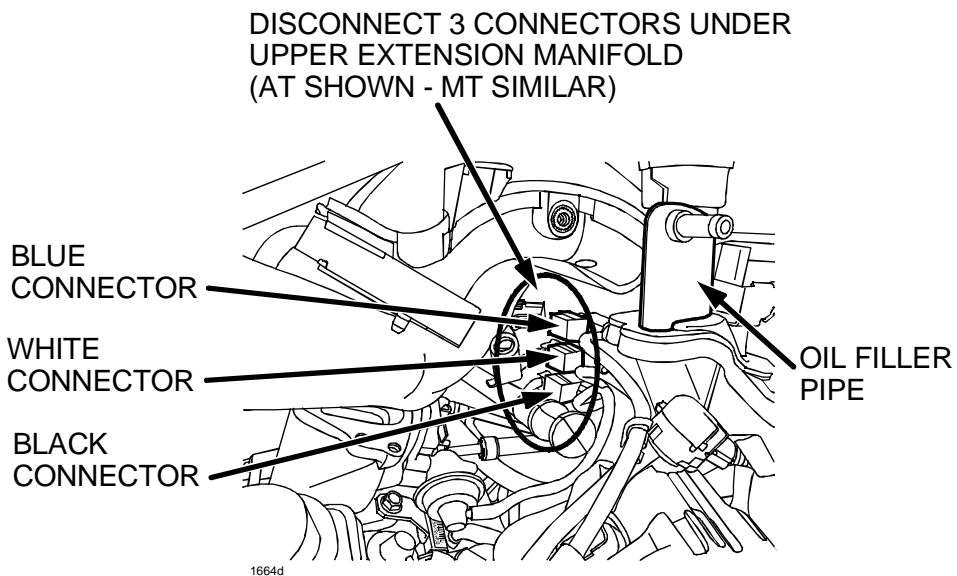


7. Slightly raise extension manifold (upper) for access. Disconnect 3 solenoid valve connectors and hoses located under extension (intake) manifold (upper).

NOTE:

- Do not disconnect the hoses from the solenoids, disconnect them from their components at the front passenger side of the engine. New hoses are included, already attached to the solenoids.
- Note connection location of connectors and hoses for installation of new oil filler pipe assembly.



8. Remove extension manifold (upper) along with existing oil filler pipe from vehicle together as an assembly. Disconnect vacuum hoses (2) located at driver's rear of extension manifold (upper) during removal.

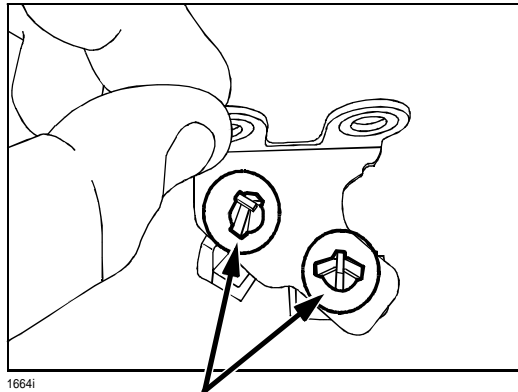
NOTE:

- If necessary, loosen the 2 bolts attaching the EVAP / fuel line clip bracket and oil filler pipe to the extension manifold (upper) to aid in removal.
- Note connection location of hoses for installation.

9. Remove EVAP / fuel line clip bracket from under extension manifold (upper). These bolts also attach the oil filler pipe to the underside of the extension manifold (upper).

NOTE:

- Remove both clips from bracket as shown to aid in installation.



REMOVE BOTH EVAP AND FUEL LINE CLIPS BEFORE INSTALLING BRACKET. THIS WILL AID IN ACCESSING THE BOLTS AFTER THE OIL FILLER PIPE AND EXTENSION MANIFOLD (UPPER) HAVE BEEN INSTALLED

10. Remove existing oil filler pipe assembly from extension manifold (upper).
11. Transfer the existing oil filler cap to the modified oil filler pipe.
12. Install the modified oil filler pipe and EVAP / fuel line bracket to the extension manifold (upper) using new bolts provided in the kit.

NOTE:

- Do not tighten these bolts. These will be tightened after the extension manifold (upper) and oil filler pipe are installed to the engine.
- Install EVAP / fuel line clips to bracket after installation of extension manifold (upper) and oil filler pipe and bolts have been tightened.

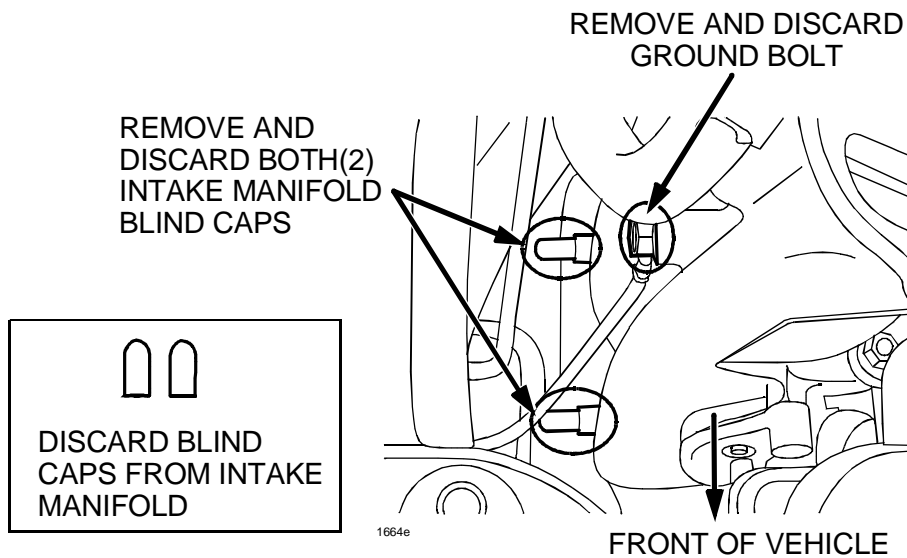
13. Replace the gaskets on the extension manifold (upper), with ones supplied in the kit. There will be unused gaskets.
- 3 gaskets on AT vehicles - throttle body (1), upper to lower extension manifold (2)
 - 4 gaskets on MT vehicles - throttle body (1), upper to lower extension manifolds (3)
14. Install the extension manifold (upper) in reverse of removal. Tightening Torque: 69-96 in. ibf. (7.8-10.8 N.m)

NOTE:

- When reconnecting the solenoid valves, pay special attention to the connector color of each solenoid valve and the layout of vacuum hose. The connectors are installed in order from top to bottom; Blue, White, Black.
- Ensure PCV hoses are properly routed and not kinked or pinched. Ensure the new PCV hose attached to modified oil filler pipe exits between the throttle body and oil filler cap and above the alternator.
- Before tightening the bolts and nuts, adjust the position of the extension manifold (upper).

15. Tighten the nuts attaching the oil filler pipe to the engine. Tightening Torque: 79-112 in. ibf. (8.9-12.7 N.m)

16. Tighten the bolts attaching the oil filler pipe and EVAP / fuel line bracket to the extension manifold (upper).
17. Install the EVAP and fuel line clips.
18. Reconnect EVAP line quick connect and install EVAP and fuel lines into clips on bracket.
19. Install throttle body. Tightening Torque: 69-96 in. ibf. (7.8-10.8 N.m)
20. Install intake air hose.
21. Remove and discard:
 - Both (2) intake manifold blind caps (vacuum plugs) located on extension (intake) manifold (lower)
 - Remove and discard the ground bolt located on the extension manifold (lower) above the blind caps.



22. Install hose clip new bolt for ground. Ensure ground wire is installed above clip. (Tightening Torque: 18.6 – 23.2 N.m)

INSTALL NEW BOLT AND CLIP-ORIENT CLIP AND GROUND WIRE AS SHOWN

