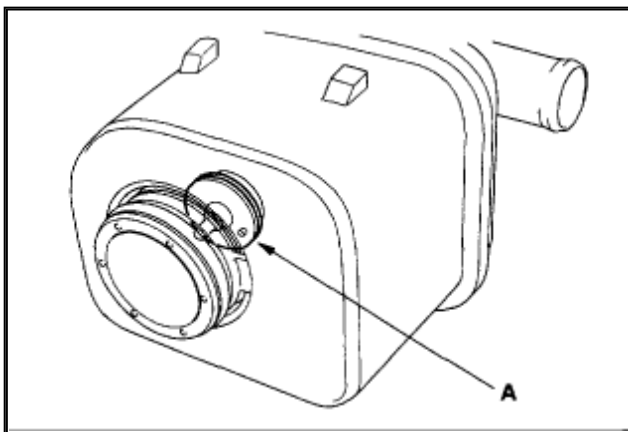


DTC P2422: EVAP Canister Vent Shut Valve Stuck Closed Malfunction

1. Turn the [ignition switch](#) ON (II).
2. Clear the DTC with the HDS.
3. Remove the fuel fill cap for **5 seconds** , then install it.
4. Start the engine. Hold the engine speed at **3,000 rpm** with no load (in Park or neutral) until the radiator fan comes on, then let it idle.
5. Monitor the OBD STATUS for DTC P2422 in the DTCs MENU with the HDS. Does the screen indicate FAILED? **YES** - Go to step 6. **NO** - If the screen indicates PASSED, intermittent failure, system is OK at this time. Check for a poor connection or loose terminals at the EVAP canister vent shut valve and ECM/PCM. If the screen indicates NOT COMPLETED, go to step 2 and recheck.
6. Clear the DTC with the HDS.
7. Remove the EVAP canister vent shut valve from the EVAP canister.
8. Connect the 2P connector to the EVAP canister vent shut valve.
9. Turn the [ignition switch](#) ON (II).
10. Do the [EVAP](#) CVS ON in the INSPECTION MENU with the HDS.



Zoom

Sized for Print

11. Check the EVAP canister vent shut valve (A) operation. Does the valve operate? **YES** - Check for a blockage in the EVAP canister, then install the EVAP canister vent shut valve, and go to step 14. **NO** - Go to step 12.
12. Turn the [ignition switch](#) OFF.
13. Replace the EVAP canister vent shut valve.
14. Turn the [ignition switch](#) ON (II).
15. Reset the ECM/PCM with the HDS.
16. Do the ECM/PCM idle learn procedure.
17. Turn the [ignition switch](#) OFF.
18. Remove the fuel fill cap for **5 seconds** , then install it.
19. Start the engine. Hold the engine speed at **3,000 rpm** with no load (in Park or neutral) until the radiator fan comes on, then let it idle.
20. Check for Temporary DTCs or DTCs with the HDS. Are any Temporary DTCs or DTCs indicated? **YES** - If DTC P2422 is indicated, check for poor connections or loose terminals at the FTP sensor or the EVAP canister vent shut valve and the ECM/PCM, then go to step 1. If any other Temporary

DTCs or DTCs are indicated, go to the indicated DTC's troubleshooting. **NO**
- Go to step 21.

21. Monitor the OBD STATUS for DTC P2422 in the DTCs MENU with the HDS.
Does the screen indicate PASSED? **YES** - Troubleshooting is complete.

NO - If the screen indicates FAILED, check for poor connections or loose terminals at the FTP sensor or the EVAP canister vent shut valve and the ECM/PCM, then go to step 1. If the screen indicates NOT COMPLETED, go to step 16 and recheck.