

POWERTRAIN VERIFICATION TEST - 6.7L

POWERTRAIN VERIFICATION TEST

NOTE: If the battery was disconnected for any reason, you must perform the Battery Reconnection procedure in the 8F-Engine Systems section of the Service Information.

1. Clear the DTC before continuing.
2. Check if any of the following conditions exist.
3. The PCM has been disconnected or replaced.
4. The battery power has been disconnected.
5. If the PCM has been replaced, do the following:
6. Record injector correlation codes.
7. For ABS and Airbag Systems: Action: Enter correct VIN and Mileage in PCM. Erase ABS and Airbag Module codes.

NOTE: If the Powertrain Control Module has been replaced and the correct VIN and mileage have not been programmed, a DTC will be set in the ABS, Airbag Modules and Wireless Control Module.

8. If the PCM has not been replaced, do the following.
9. Inspect the vehicles to ensure that all engine components are connected. Reassemble and reconnect components as necessary.
10. Attempt to start the engine.
11. If the engine is unable to start, look for any Technical Service Bulletins that may relate to this condition. Return to DTC list if necessary.
12. If this verification procedure is being performed after a No Trouble Code repair, do the following.
13. Check to see if the initial symptom still exists. If the initial or another symptom exists, the repair is not complete. Check all pertinent Technical Service Bulletins and return to the DTC list if necessary.
14. If this verification procedure is being performed after a Trouble Code repair, do the following.
15. Connect the scan tool to the data link connector and erase trouble codes.
16. With the scan tool, reset all memory values.
17. If this test is for an A/C trouble code, ensure it is operating during the following road test.
18. Drive the vehicle for at least five minutes, For some of the drive, go at least 64 km/h (40 MPH). At some point stop the vehicle and turn the engine off for 10 seconds or more; then restart and continue. Make sure the transmission shifts through all gears.
19. Upon completion of the road test, turn the engine off and read trouble codes with the scan tool. If a trouble code has been set, return to the DTC list and follow the path specified.

Are any DTCs present?

Yes

Repair is not complete, perform appropriate diagnostic procedure. ([Refer to 28 - DTC-Based Diagnostics/MODULE, Powertrain Control \(PCM\) - Diagnosis and Testing](#)).

No

Repair is complete.