

## DIESEL

### POWERTRAIN VERIFICATION TEST

#### Diagnostic Test

#### 1. POWERTRAIN VERIFICATION TEST

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

**NOTE:** If the Engine 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 SKIM module.

8. If the ECM 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 Symptom 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 Symptom 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. Ensure 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 Symptom list and follow the path specified.

**Are any DTC(s) present?**

**Yes**

- Repair is not complete, refer to appropriate symptom.

**No**

- Repair is complete.