

## **CVT - PRE-DIAGNOSTIC TROUBLESHOOTING PROCEDURE**

For a complete wiring diagram **Refer to the Wiring Information.**

**Perform the following pre-diagnostic troubleshooting procedures prior to performing any diagnostic test.**

Always perform diagnostics with a fully charged battery to avoid false symptoms. The Transmission Control Module (TCM) requires a system voltage between 9 and 16 volts.

1. Many transmission symptoms can be caused by a low fluid level. If the fluid level is low, locate and repair any leaks and fill the transmission to the proper fluid level. Refer to the Service Information for the proper repair and fluid fill procedures.

**CAUTION:** The CVT Transmission uses a specific green transmission fluid that is substantially different from standard ATF used in other automatic transmissions. Failure to use the proper fluid will result in excessive transmission damage or total failure. Refer to the Service Information for the proper fluid type.

2. With the scan tool, read Engine DTCs. If Engine DTCs are present, refer to the Engine (Refer to 28 - DTC-Based Diagnostics/MODULE, Powertrain Control (PCM) - Standard Procedure) and perform to the appropriate diagnostic procedure(s) before proceeding.
3. With the scan tool, read Transmission (TCM) DTCs. Record all Stored, Active, and Pending DTC information. Diagnose any Pending DTC as a matured DTC.
4. Use the wiring diagram as a guide, inspect the wiring and connectors related to this circuit and repair as necessary.
5. Refer to the When Monitored and Set Conditions for this DTC. DTCs can set at ignition on, at start up, driving under specific conditions, and after controller diagnostic monitors have run or otherwise know as a Good Trip.
6. Check for any Service Information Tune-ups or Service Bulletins for any possible causes that may apply. Check for controller software update information. Some conditions can be corrected by upgrading the Engine (PCM) or Transmission (TCM) controller software.

### **Did any of the above procedures repair the vehicle?**

- Yes**
- Testing is complete.
  - Perform CVT TRANSMISSION VERIFICATION TEST. (Refer to 28 - DTC-Based Diagnostics/MODULE, Transmission Control (TCM) - Standard Procedure)
- No**
- Refer to the identified category and perform the appropriate symptom(s). (Refer to 28 - DTC-Based Diagnostics/MODULE, Transmission Control (TCM) - Diagnosis and Testing)