


Diagnostics

Special Tool(s)

 ST2834-A	Vehicle Communication Module (VCM) and Integrated Diagnostic System (IDS) software with appropriate hardware, or equivalent scan tool
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Diagnosing electronically controlled automatic transmissions is simplified using the following procedures. It is important to remember that there is a definite procedure to follow. Do not take shortcuts or assume that critical checks or adjustments have already been made. Follow the procedures as written to avoid missing critical components or steps. By following the diagnostic sequence, the technician will be able to diagnose and repair the concern the first time.

On-Board Diagnostics with Scan Tool

NOTE: For detailed instruction and other diagnostic methods using the scan tool, refer to the scan tool tester and the Powertrain Control/Emissions Diagnosis (PC/ED) manual.

These self tests should be used to diagnose the PCM and should be carried out in order.

- Self Test 1.0 — Visual Inspection
- Self Test 2.0 — Set Up
- Self Test 3.0 — Key ON Engine OFF (KOEO)
- Self Test 4.0 — Continuous Memory Diagnostic Trouble Codes (CMDTCs)
- Self Test 5.0 — Key ON Engine Running (KOER)
- PCM Reset Mode
- Clearing DTCs
- On-Board Diagnostic (OBD) Drive Cycle Test

For further information on other diagnostic testing features using the Vehicle Communication Module (VCM) or generic scan tool, refer to the Powertrain Control/Emissions Diagnosis (PC/ED) manual.
