

DIAGNOSIS AND TESTING (Continued)

Shift Concern: 2-1 Shift (Automatic) (Cont'd)

Possible Component	Reference/Action
Differential Assembly —Damaged	—Inspect for damage. Service as required.
Speedometer Drive Gear —Damaged	—Inspect for damage. Service as required.

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Converter: No Apply

Possible Component	Reference/Action
240 — ELECTRICAL ROUTINE	
Powertrain Control System —Electrical Inputs/Outputs, Vehicle Wiring Harnesses, Powertrain Control Module (PCM), TOT, TSS, MLP, TCC	—Run On-Board Diagnostic. —Refer to Powertrain Control/Emissions Diagnosis Manual ¹⁷ for diagnosis. Perform Service Manual Pinpoint Tests B, C, D and F using the Transmission Tester (007-00085) and MLP Tester (D89T-70010-A) as outlined. Service as required. Clear codes. Road Test and rerun On-Board Diagnostic.
340 — HYDRAULIC/MECHANICAL ROUTINE	
Improper Pressures —Low Line pressure, Low EPC	—Check pressure at line and EPC taps. Refer to Pressure Chart for specifications. —If low, check main controls.
Main Controls —Bolts not tightened to specification —Gaskets—damaged, off location —Valve Body Pilot Sleeve—damaged, misaligned. Manual Valve, Bypass Clutch Control Valve and/or Plunger, Converter Regulator Valve, Springs, Solenoid Regulator Valve—stuck, damaged —TCC Solenoid Malfunction	—Retighten bolts to specification. —Inspect gaskets. Service as required. —Inspect. Service as required. —Activate solenoid using transmission tester. If solenoid operation cannot be felt when placing hand on solenoid, replace solenoid. Inspect O-rings for damage. Service as required.
Turbine Shaft —Seals—damaged, missing	—Inspect for damage. Replace as required.
Pump Shaft —Seals—damaged, missing	—Inspect seals for damage. Service as required
Converter —Leakage, Friction Material, Internal Seals	—Inspect and replace as required.

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Converter: Always Applied / Stalls Vehicle

Possible Component	Reference/Action
241 — ELECTRICAL ROUTINE	
Powertrain Control System —Electrical Inputs/Outputs, Vehicle Wiring Harnesses, Powertrain Control Module (PCM), TOT, TSS, TCC	—Run On-Board Diagnostic. —Refer to Powertrain Control/Emissions Diagnosis Manual ¹⁷ for diagnosis. Perform Service Manual Pinpoint Tests B, C and F using the Transmission Tester (007-00085) as outlined. Service as required. Clear codes. Road Test and rerun On-Board Diagnostic.
341 — HYDRAULIC/MECHANICAL ROUTINE	
Main Controls —Bolts not tightened to specification —Gaskets—damaged, off location —Bypass Clutch Control Valve or Plunger—stuck, damaged	—Retighten bolts to specification. —Inspect gaskets. Service as required. —Inspect. Service as required.

(Continued)

17. Can be purchased as a separate item.