

DIAGNOSIS AND TESTING (Continued)

(Continued)

Shift Concern: 4-3 Shift (Cont'd)

Possible Component	Reference / Action
—EPC Solenoid—stuck, damaged	—Inspect for damage. Perform Pinpoint Test E.
—Servo Cover, Seal, Rod and Piston Cushion Spring—damaged	—Inspect for damage. Service as required.
—B4, B11 Check Balls—damaged, missing	—Inspect for damage. Service as required.
OD Band	
—OD Band—damaged, worn, misassembled	—Inspect for damage. Replace as required.
—Direct One-Way Clutch Assembly damaged	—Inspect for damage. Service as required.
Overdrive Servo Assembly	
—Apply Rod wrong	—Inspect Rod as outlined.
—Servo Bore or Piston damaged	—Inspect for damage. Service as required.
—Piston Seals—damaged, missing	—Inspect for damage. Service as required.
—Return Spring Retaining Clip—missing, broken	—Inspect for damage. Service as required.
Torque Converter Clutch	
—Not releasing	—See Converter Always Applied Diagnostic Routine 241/341.
Differential Assembly	
—Damaged	—Inspect for damage. Service as required.
Speedometer Drive Gear	
—Wrong or missing	—Inspect for damage. Service as required.

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Shift Concern: 3-2 Shift

Possible Component	Reference / Action
224 — ELECTRICAL ROUTINE	
Powertrain Control System	
—Electrical Inputs / Outputs, Vehicle Wiring Harnesses, Powertrain Control Module (PCM), Shift Solenoids, MLP Sensor	—Run On-Board Diagnostic. —Refer to Powertrain Control/Emissions Diagnosis Manual ¹⁵ for diagnosis. Perform Service Manual Pinpoint Tests A and D 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.
324 — HYDRAULIC/MECHANICAL ROUTINE	
Improper Pressures	
—Direct Clutch —EPC pressure —Forward Clutch —Line pressure	—Check pressure at line, direct clutch and EPC taps. Refer to Pressure Chart for specification; if not within specification, check Main Controls.
Speedometer Gear—Drive	
—Damaged	—Inspect for damage. Service as required.
Speedometer Gear—Driven	
—Damaged	—Inspect for damage. Service as required.
Main Controls	
—Bolts not tightened to specification	—Retighten bolts to specification.
—Gaskets—damaged, off location	—Inspect for damage. Replace as required.
—3-2 Shift Timing Valve, Backout Valve, Forward Clutch Control, 1-2, 2-3 Shift Valves—stuck, damaged	—Inspect. Service as required.
—3-2 Shift Timing Spring Clip—damaged, missing	—Inspect for damage. Service as required. Refer to TSB 91-19-8 for information.
—B5 Check Ball	—Inspect. Service as required.
—SS1, SS2 or SS3 Malfunction	—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.
Low / Intermediate Servo Assembly	
—Spring, Bore, Piston—damaged, missing	—Inspect for damage. Replace as required.
—Incorrect Servo Apply Rod length	—Inspect using procedures in Servo Manual. Service as required.
Support Assembly—Driven Sprocket	

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¹⁵ Can be purchased as a separate item.