

DIAGNOSIS AND TESTING (Continued)

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

Possible Component	Reference / Action
Main Controls —Bolts not tightened to specification. —Gaskets—damaged, off location —Intermediate Clutch Tap—loose, missing —1-2 Shift Valve, Accumulator Regulator Valve, 1-2 Cap. Mod. Valve, Main Regulator Valve, Intermediate Shuttle Valve, Springs, B10 Check Ball, Clips—loose, missing, stuck, misassembled —SS1 Malfunction	—Retighten bolts to specification. —Inspect for damage. Replace as required. —Inspect. 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.
1-2 Accumulator Assembly —Piston Seals, Springs—damaged, missing	—Inspect for damage. Service as required.
Support Assembly—Driven Sprocket —Seals—damaged, missing —Holes blocked	—Inspect for damage, missing or blockage. Service as required.
Pump —Porosity/cross leak —Gasket damaged, off location —Components damaged	—Inspect and replace as required. —Inspect for damage. Replace as required. —Inspect for damage or missing ball. Replace pump assembly if required.
Low One-Way Clutch Assembly —Not overrunning, damaged	—Inspect for damage. Replace as required.
Intermediate Clutch Assembly —Seals—damaged —Piston—damaged —Friction—damaged, worn —Check Ball—missing, damaged	—Inspect for damage. Replace as required. —Inspect for damage. Replace as required. —Inspect for damage. Replace as required. —Inspect for damage. Service or replace as required.
Front Planet Carrier —Damaged	—Inspect for weld damage. Service as required.
Differential Assembly —Damaged or missing	—Inspect for damage. Service as required.
Speedometer Drive Gear —Damaged or missing	—Inspect for damage. Service as required.

TD11429A

Shift Concern: 2-3 Shift

Possible Component	Reference / Action
221 — ELECTRICAL ROUTINE	
Powertrain Control System —Electrical Inputs / Outputs, Vehicle Wiring Harnesses, Powertrain Control Module (PCM), Shift Solenoids, TOT, EPC	—Run On-Board Diagnostic. —Refer to Powertrain Control/Emissions Diagnosis Manual ¹² for diagnosis. Perform Service Manual Pinpoint Tests A, B and E 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.
321 — HYDRAULIC/MECHANICAL ROUTINE	
Shift Linkage —Damaged or misadjusted	—Inspect and service as required. Adjust linkage as outlined. After servicing linkage, verify that the MLP sensor is properly adjusted. Refer to Transaxle, Assembly.
Speedometer Gear—Drive —Damaged	—Inspect for damage. Service as required.
Speedometer Gear—Driven —Damaged	—Inspect for damage. Service as required.

(Continued)

¹² Can be purchased as a separate item.