DIAGNOSIS AND TESTING (Continued)

Delayed/Soft Forward Engagement (Cont'd)

Possible Component	Reference/Action
—Friction Elements—damaged, worn —Drum damaged	—Inspect for damage. Service as required.
With Manual Lever in 2nd Position (SHO Only) **Intermediate Clutch Assembly** —Piston, Seals damaged —Friction Elements—damaged, worn	 —Inspect for damage. Service as required. —Inspect for damage. Service as required.

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Some or All Shifts Missing

Possible Component	Reference/Action
210 — 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[6] for diagnosis. Perform Service Manual Pinpoint Tests A and D using the Transmission Tester (007-00085) and the MLP Tester (D89T-70010-A) as outlined. Service as required. Clear codes. Road Test and rerun On-Board Diagnostic.
310 — HYDRAULIC/MECHANICAL ROUTINE	
Fluid —improper level —Condition	 —Adjust fluid to proper level. —Inspect as outlined under Fluid Condition Check.
Shift Linkage —Damaged, 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.
Vehicle Speed Input —Speedometer Gear—DRIVE—damaged —Speedometer Gear—DRIVEN—Gear and Shaft Assembly —Differential Assembly—damaged or missing —Speedometer DRIVE GEAR—damaged	—Refer to Service Manual for teardown information on these gears. Also refer to the appropriate shift routines as noted below.
Go to Reference/Action	—For additional diagnosis, refer to the appropriate shift routine(s) chart:

Shift	Routine
1-2	220/320
2-3	221/321
3-4	222/322
4-3	223/323
3-2	224/324
2-1	225/325

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Timing — Early/Late

Possible Component	Reference/Action
211 — ELECTRICAL ROUTINE	
Powertrain Control System —Electrical Inputs/Outputs, Vehicle Wiring Harnesses, Powertrain Control Module (PCM), Shift Solenoids, TOT	—Run On-Board Diagnostic. —Refer to Powertrain Control/Emissions Diagnosis Manual[6] for diagnosis. Perform Service Manual Pinpoint Tests A and B using the Transmission Tester (007-00085) as outlined. Service as required. Clear codes. Road Test and rerun On-Board Diagnostic.
311 — HYDRAULIC/MECHANICAL ROUTINE	
Other	

(Continued)

6 Can be purchased as a separate item.