

DIAGNOSIS AND TESTING (Continued)

(Continued)

No 1st Gear, Engages in Higher Gear (Cont'd)

Possible Component	Reference/Action
<b>315 — HYDRAULIC/MECHANICAL ROUTINE</b>	
<b>Shift Linkage</b> —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.
<b>Main Controls</b> —Bolts not tightened to specifications —Gaskets—damaged, off location —Shift Valves, Intermediate Clutch Shuttle Valve, Forward Clutch Control Valve, Springs, Clips—stuck, damaged, misassembled	—Retighten bolts to specifications. —Inspect for damage. Replace as required. —Inspect. Service as required.
For diagnosis related to a specific gear, use the Transmission Tester to determine gear.	Refer to the following routines: <b>Shift 1-2, Routine 220/320</b> <b>Shift 2-3, Routine 221/321</b> <b>Shift 3-4, Routine 222/322</b>
<b>Mechanical</b> —Bands, clutches or seals damaged or worn	—Refer to Transaxle, Disassembly and Assembly.

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No Manual 1st Gear

Possible Component	Reference/Action
<b>216 — ELECTRICAL ROUTINE</b>	
<b>Powertrain Control System</b> —Electrical Inputs/Outputs, Vehicle Wiring Harnesses, Powertrain Control Module (PCM) and Shift Solenoids	—Run On-Board Diagnostic. —Refer to Powertrain Control/Emissions Diagnosis Manual <sup>10</sup> for diagnosis. Perform Service Manual Pinpoint Test A using the Transmission Tester (007-00085) as outlined. Service as required. Clear codes. Road Test and rerun On-Board Diagnostic.
<b>316 — HYDRAULIC/MECHANICAL ROUTINE</b>	
<b>Shift Linkage</b> —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.
<b>Improper Pressures</b> —Low Direct Clutch pressure —Low Line pressure —Low EPC pressure	—Check pressure at line and EPC pressure taps. Refer to Pressure Chart for specifications. If pressures are low, check the following possible components: Main Controls, Support Assembly, Driven Sprocket, Direct Clutch Assembly.
<b>Main Controls</b> —Bolts not tightened to specifications —Gaskets—damaged, off location —Manual Valve, Manual Low Relief Valve and Spring, Springs, Clips—stuck, damaged, missing	—Retighten bolts to specifications. —Inspect for damage. Replace as required. —Inspect for damage. Service as required.
<b>Support Assembly—Driven Sprocket</b> —Bolts not tightened to specifications  —Seals missing or damaged —Seal grooves damaged	—Retighten bolts to specifications. Use sealant on two external chain cover bolts. —Inspect seals. Replace as required. —Inspect for damage. Service as required.
<b>Direct Clutch</b> —Check Ball, Piston, Piston Seals, Plates —Friction Elements—damaged, worn	—Inspect for damage. Service as required. —Inspect for damage. Service as required.

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<sup>10</sup> Can be purchased as a separate item.