

DIAGNOSIS AND TESTING (Continued)

No Engine Braking in 3rd Gear (OD Position) With OD Cancelled—SHO Only (Cont'd)

Possible Component	Reference/Action
349—HYDRAULIC/MECHANICAL ROUTINE	
Shift Linkage Cable —MLP Sensor—damaged, misadjusted	—Inspect for damage. Service as required. Adjust linkage as outlined. After servicing the linkage, verify that the MLP sensor is properly adjusted.
Improper Pressures —Forward Clutch Pressure, Line Pressure	—Check pressure at line tap. Refer to pressure chart No. 401 for specifications. If not OK, check the following components: Main Controls and Forward Clutch Assembly.
Main Controls —Bolts not tightened to specification —Gaskets—damaged, off location —Shift Valves, Forward Clutch Control Valve damaged, stuck or misassembled. —SS-3 damaged, stuck	—Retighten bolts to specification. —Inspect for damage. Replace gaskets. —Inspect for damage. Service as required. —Perform Pinpoint Test A.
Forward Clutch Assembly —Return Spring, Piston, Seals, Friction Elements, Check Ball—stuck, damaged, misassembled	—Inspect for damage. Service as required.
Low One-Way Clutch Assembly —Not Overrunning, damaged	—Inspect for damage. Service as required.

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No Engine Braking in 1st Gear, Manual 1st Position

Possible Component	Reference/Action
250 — ELECTRICAL ROUTINE	
No Electrical Concerns	
350 — 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.
Improper Pressures —Direct Clutch pressure	—Check pressure at direct clutch tap. Refer to pressure chart 401 for specifications. If not OK, check Main Controls and Direct Clutch Assembly.
Main Controls —Bolts not tightened to specification —Gaskets—damaged, off location —Manual Low Relief Valve, 1-2 Shift Valve, Pull-In Valve—stuck, damaged or misassembled	—Retighten bolts to specification. —Inspect for damage. Replace as required. —Inspect. Clean or service as required.
Direct Clutch Assembly —Refer to Routine 321	—Inspect. Service or replace as required.
Direct One-Way Clutch —Damaged	—Inspect for damage. Service as required.

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Shift Efforts High

Possible Component	Reference/Action
251 — ELECTRICAL ROUTINE	
No Electrical Concerns	
351 — HYDRAULIC/MECHANICAL ROUTINE	
Shift Linkage	

(Continued)