

DIAGNOSIS AND TESTING (Continued)

No Forward Engagements (Cont'd)

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

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No Reverse Engagement

Possible Component	Reference/Action
202 — ELECTRICAL ROUTINE	
No Electrical Concerns	
302 — HYDRAULIC/MECHANICAL ROUTINE	
Fluid	
—Improper level	—Adjust fluid to proper level.
Halfshafts	
—Worn, damaged, misassembled	—Inspect for damage. Service as required.
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	
—Low Reverse Clutch pressure, Low Line pressure Low Forward Clutch pressure Low EPC pressure	—Check pressure at line and EPC taps. Refer to Pressure Chart for specifications. If pressures are low, check the following possible components: oil filter and seal assembly, main control, pump assembly, reverse clutch assembly.
Oil Filter and seal assembly	
—Plugged or damaged	—Replace filter and seal assembly.
Main Controls	
—Forward Clutch Pressure Tap Plug—damaged, loose, missing	—Inspect. Service as required.
—Bolts not tightened to specification.	—Retighten bolts to specification.
—Gasket—damaged, off location	—Inspect for damage. Replace as required.
—Pump Shaft—broken	—Inspect. Service/replace as required.
—Forward Clutch Control Valve, Manual Valve, Main Regulator Valve, Springs—stuck, damaged	—Inspect for damage. Service as required.
Pump Assembly	
—Bolts not tightened to specification.	—Retighten bolts to specification.
—Gasket damaged, off location	—Inspect for damage and replace as required.
—Porosity/cross leaks/ball missing or leaking, plugged hole	—Replace pump assembly.
—Components damaged	—Inspect for damage and replace as required.
Support Assembly—Driven Sprocket	
—Bolts not tightened to specification	—Retighten bolts to specification. Use sealant on two external chain cover bolts.
—Seals missing or damaged	—Inspect seals. Replace as required.
—Seal grooves damaged	—Inspect for damage. Service as required.
Forward Clutch Assembly	
—Seals, Piston	—Inspect seals for damage. Replace as required.
—Check Balls	—Inspect for mislocation, poor seating, and damage. Replace cylinder as required.
—Piston—cracked	—Inspect piston. Replace as required.
—Friction Elements—worn, damaged	—Check for abnormal wear, damage. Replace as required.
Low One-Way Clutch Assembly (Planetary)	
—Worn, damaged, misassembled	—Inspect for damage. Service as required.
Reverse Clutch Assembly	

(Continued)