

DIAGNOSIS AND TESTING (Continued)

(Continued)

Harsh Forward Engagement

Possible Component	Reference/Action
204 — ELECTRICAL ROUTINE	
Powertrain Control System —Electrical Inputs/Outputs, Vehicle Wiring Harnesses, Powertrain Control Module (PCM), EPC Solenoid, TOT, TSS, MLP	—Run On-Board Diagnostic. —Refer to Powertrain Control/Emissions Diagnosis Manual ³ for diagnosis. Perform Service Manual Pinpoint Tests A, B, D and F using the Transmission Tester (007-00085) and the MLP Tester (D89T-700 10-A) as outlined. Service as required. Clear codes. Road Test and rerun On-Board Diagnostic.
304 — HYDRAULIC/MECHANICAL ROUTINE	
Fluid —Improper level —Condition	—Adjust fluid to proper level. —Inspect as outlined under Fluid Condition Check.
Shift Linkage —Damaged, misadjusted	—Inspect. Service as required. Adjust linkage as outlined. After servicing linkage, verify that the MLP sensor is properly adjusted. Refer to Service Manual for procedures.
Improper Pressures —High Forward Clutch pressure, —High Line pressure, —High EPC pressure	—Check pressure at line, EPC and forward clutch pressure taps. Refer to Pressure Chart for specifications. If pressures are high, check the following possible components: Main Controls, Pump Assembly.
Main Controls —Bolts not tightened to specification —Gaskets—damaged, off location —Main Regulator Valve, Backout Valve, Pressure Failsafe Valve —EPC Solenoid—stuck, damaged —2-3 Servo Regulator, Engagement Valve, B3 or B2 Check Ball—missing, damaged	—Retighten to specification. —Inspect for damage. Replace as required. —Inspect. Service as required. —Inspect for damage and contamination. Service as required. —Inspect for damage and contamination. Service as required.
Pump Assembly —Bolts not tightened to specification —Porosity/cross leaks —Gaskets damaged, off location	—Retighten bolts to specification. —Inspect for porosity/leaks. Replace pump. —Inspect for damage and replace as required.
Low Intermediate Servo —Seals, Piston —Oil Tubes—damaged, loose, leaking, misassembled —Band, Anchor Pins —Apply Rod—incorrect length	—Inspect for damage. Replace as required. —Refer to the appropriate car Service Manual for proper procedures.
Neutral-to-Drive Accumulator —Piston stuck, seals or springs—damaged, missing	—Check for damage. Replace as required.
Forward Clutch Assembly —Check Ball —Friction Element damaged or worn —Spring, Forward Clutch Wave damaged —Forward Clutch Return Spring damaged	—Inspect for mislocation, poor seating, damage. Replace forward clutch cylinder. —Check for wear or damage, replace as required. —Check for damage, replace as required. —Check for damage, replace as required.
Low Intermediate Band/Drum —Friction Elements—damaged, worn —Drum damaged	—Check for damage. Replace as required.
With Manual Lever in 2nd Position (SHO Only) Intermediate Clutch Assembly —Friction Elements damaged, worn —Return Spring damaged	—Inspect for damage. Service as required. —Inspect for damage. Service as required.

TD 1062 1A

³ Can be purchased as a separate item.