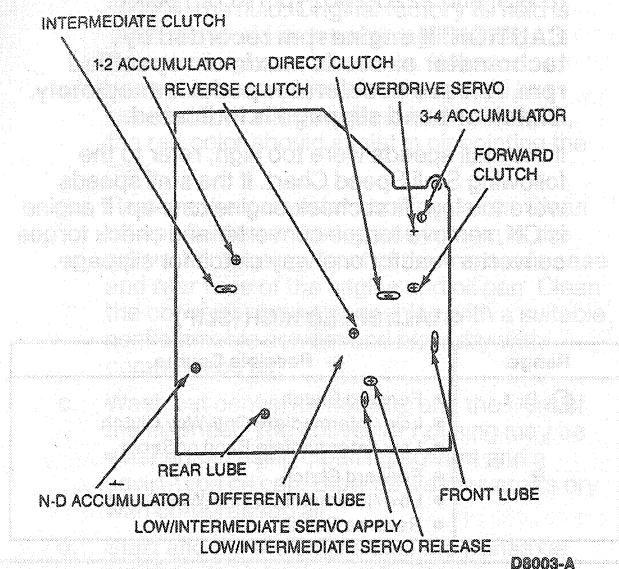


DIAGNOSIS AND TESTING (Continued)

4. The inoperative clutches or bands can be located by introducing air pressure into the various test plate passages as follows:

**Forward Clutch**

Apply air pressure to forward clutch test port. A dull thud can be heard, or movement of piston felt when clutch piston is applied. If clutch seal(s) is leaking, a hissing sound will be heard.

Overdrive Servo

Apply air pressure to overdrive servo apply test port. Operation of servo is indicated by a tightening of overdrive band around overdrive drum. Because of the cushioning effect of the servo release spring, application of band may not be heard or felt. The servo should hold air pressure without leakage and a dull thud should be heard when air pressure is removed, allowing servo piston to return to release position.

Direct Clutch

Apply air pressure to direct clutch test port. A dull thud can be heard, or movement of piston felt on case as clutch piston is applied. If clutch seal(s) is leaking, a hissing sound will be heard.

Intermediate Clutch

Apply air pressure to intermediate clutch test port. A dull thud can be heard, or movement of piston can be felt on case, as clutch piston is applied. If clutch seal(s) is leaking, a hissing sound will be heard.

Low-Intermediate Servo

Apply air pressure at low-intermediate servo feed test port. The low-intermediate band should tighten around sun gear of rear planetary gearset. Because of the cushioning effect of the servo release spring, application of band may not be heard or felt.

The servo should hold air pressure without leakage and a dull thud should be heard when air pressure is removed, allowing servo piston to return to release position. Apply air pressure to low-intermediate servo release test port while continuing to pressurize the test port. Servo piston should return to the release position. The band should loosen and a dull thud should be heard. Release the feed test port. The release test port should hold pressure without leakage. Any leakage or failure of piston movement requires servo service.

Lube and Rear Lube

Apply air pressure to lube and rear lube test ports. These passages can only be checked for blockage. If either passage holds air pressure, remove service tool plate and check for an obstruction or damage.

1-2, 3-4, and N-D Accumulators

Apply air pressure to each accumulator feed port. Accumulator should apply. Because of the cushioning effect of the accumulator release spring, application of accumulator may not be felt or heard. The accumulator should hold air pressure without leakage and a dull thud should be heard when air pressure is removed, allowing accumulator to return to release position.

Test Results

If the servos do not operate, disassemble, clean and inspect them to locate the source of the trouble.

If air pressure applied to the clutch passages fails to operate a clutch, or operates clutches simultaneously, remove and with air pressure, check the fluid passages in the chain cover, driven sprocket support and clutches to detect obstructions.

If air pressure applied to the accumulator passages fails to operate an accumulator, remove, and with air pressure, check the fluid passages in the chain cover to detect obstructions.

Stator to Impeller Interference Check

Refer to Cleaning and Inspection.

Converter and Oil Cooler

Refer to Cleaning and Inspection.

Torque Converter Reactor One-Way Clutch Check**Tools Required:**

- Converter Clutch Torquing Tool T76L-7902-C
- Converter Clutch Holding Tool T77L-7902-R