

## DIAGNOSIS AND TESTING (Continued)

401 — Diagnostic Pressure Chart (Cont'd)

Gear	EPC	Line	Direct Clutch
P	70-138 (10-20)	331-531 (48-77)	—
R	70-138 (10-20)	421-683 (61-99)	—
N	70-138 (10-20)	331-531 (48-77)	—
OD	70-138 (10-20)	331-531 (48-77)	—
D or 3rd With OD Off (SHO)	70-138 (10-20)	331-531 (48-77)	—
2 (SHO)	70-138 (10-20)	331-531 (48-77)	—
1	70-138 (10-20)	331-531 (48-77)	276-414 (40-60)
Pressure at Wide Open Throttle (WOT) Stall kPa (psi) <sup>1</sup>			
P	—	—	—
R	483-621 (70-90)	1738-2179 (252-316)	—
N	—	—	—
OD	483-621 (70-90)	1158-1496 (168-217)	—
D or 3rd With OD Off (SHO)	483-621 (70-90)	1158-1496 (168-217)	—
2 (SHO)	483-621 (70-90)	1158-1496 (168-217)	—
1	483-621 (70-90)	1158-1496 (198-247)	276-414 (40-60)

1 Approximate Pressures.

2 Note: This condition will occur when the TRANSMISSION OIL TEMPERATURE is below 150°F AND PRIOR to the INITIAL engagement.

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**On-Board Diagnostic Quick Tests**

The Quick Tests are in the Powertrain Control/Emissions Diagnosis Manual<sup>22</sup>. These tests can be used to diagnose the PCM, sensors and actuators of the AXODE (AX4S) transaxle.

The following is a guide for using the On-Board Diagnostic, with some special considerations to remember:

**Quick Test 1.0**

Perform the Visual Check and Vehicle Preparation procedures as outlined in the Powertrain Control/Emissions Diagnosis Manual<sup>22</sup>.

Inspect the following:

- Air cleaner and inlet ducting
- All engine vacuum hoses for damage: leaks, cracks, blockage, proper routing etc.
- PCM system wiring harnesses for proper connections, bent or broken pins, corrosion, loose wires, proper routing, etc.
- PCM, sensors and actuators for physical damage
- Engine coolant for proper level
- Transaxle fluid for level, quality and for external leakage
- Any non-factory installed items wired into the transaxle or PCM harnesses

NOTE: Perform all necessary servicing before continuing with Quick Tests.

**Quick Test 2.0**

Connect SUPER STAR II Tester 007-004 1A or equivalent to diagnostic connector.

NOTE: The SUPER STAR II tester must be used on fast mode to properly display the DTC's.

NOTE: If SUPER STAR II Tester is unavailable, refer to the Powertrain Control/Emissions Diagnosis Manual<sup>22</sup> for alternate methods to run the On-Board Diagnostic.

The following are procedures to run the EEC-IV On-Board Diagnostic.

**All Tests:**

NOTE: The On-Board Diagnostic can be entered only once each time the key is turned on. To re-enter the On-Board Diagnostic, turn the key off and wait 10 seconds.

**Vehicle and SUPER STAR II 007-004 1A Tester Preparation**

Prepare the vehicle as follows:

- Shift lever in PARK
- Engine to operating temperature
- Apply parking brake
- Block wheels
- Turn OFF all electrical loads including A/C and defroster
- Connect SUPER STAR II Tester 007-004 1A or equivalent to the vehicle. Refer to Powertrain Control/Emissions Diagnosis Manual<sup>22</sup> for specific vehicle test lead location.

<sup>22</sup> Can be purchased as a separate item.