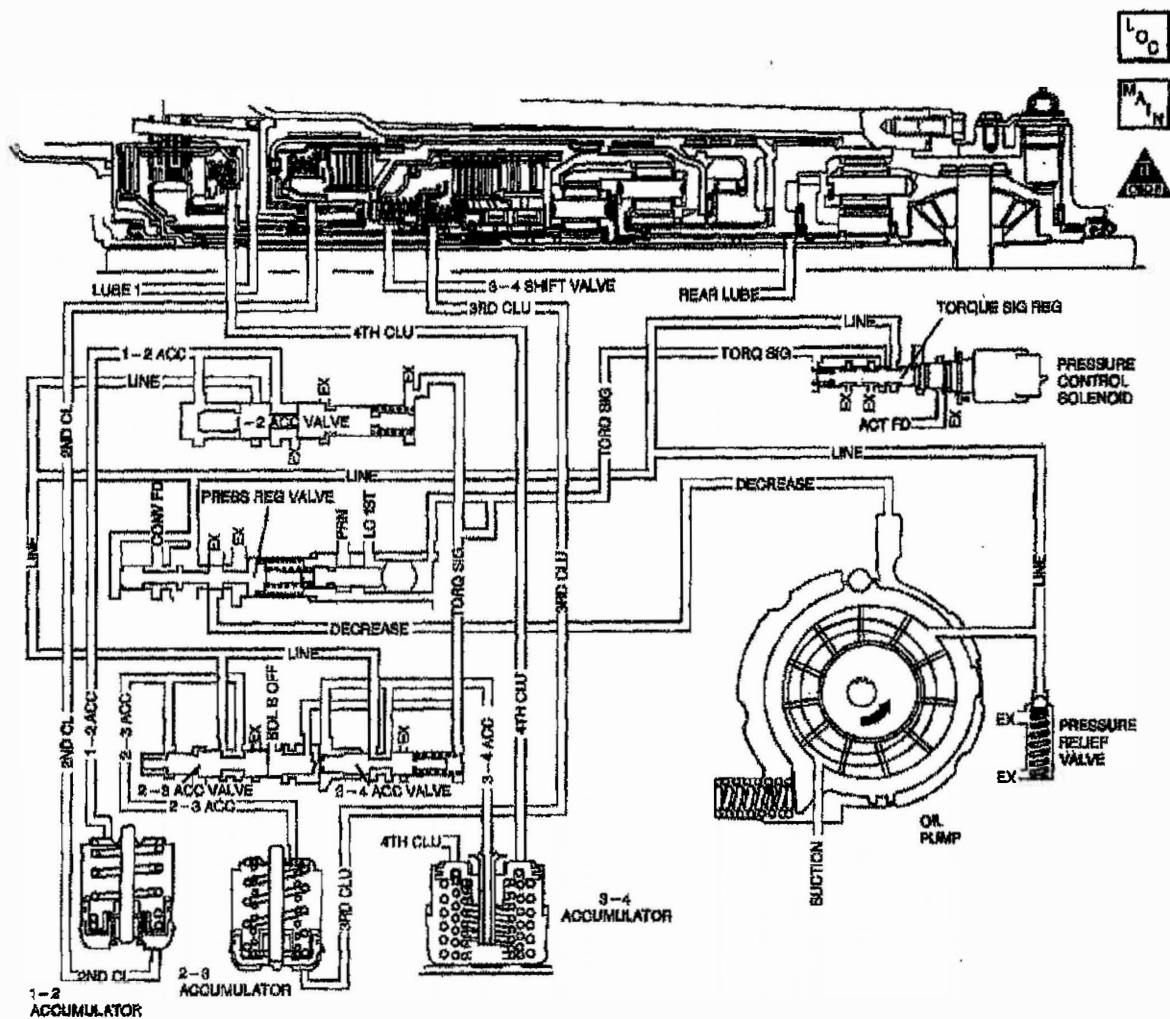


Computers and Control Systems: Testing and Inspection Procedures

P1811

DTC P1811



Circuit Description

The transmission pressure is modified by an adaptive modifier which controls the shift execution time. This diagnostic tests the time required to accomplish the shift. If the shift takes longer than 0.65 seconds and the adaptive modifier cannot shorten this time, then a counter increases by one.

If the PCM detects a counter value of 2 during one trip, then DTC P1811 sets. DTC P1811 is a type C DTC.

Conditions for Running the DTC

- ^ The shift is adaptable.
- ^ The 1-2, the 2-3 or the 3-4 shift adapt cell has reached its limit.

Conditions for Setting the DTC

The 1-2, 2-3 or 3-4 shift is longer than 0.65 seconds, twice in one trip.

Action Taken When the DTC Sets

- ^ The PCM does not illuminate the Malfunction Indicator Lamp (MIL).
- ^ The PCM commands maximum line pressure.
- ^ The PCM freezes shift adapts. The PCM records the operating conditions when the Conditions for Setting the DTC are met. The PCM stores this information as Failure Records.
- ^ The PCM stores DTC P1811 in PCM history.

Conditions for Clearing the DTC

- ^ A scan tool can clear the DTC.
- ^ The PCM clears the DTC from PCM history if the vehicle completes 40 warm-up cycles without a non-emission-related diagnostic fault occurring.
- ^ The PCM cancels the DTC default actions when the ignition switch is OFF long enough in order to power down the PCM.

Diagnostic Aids