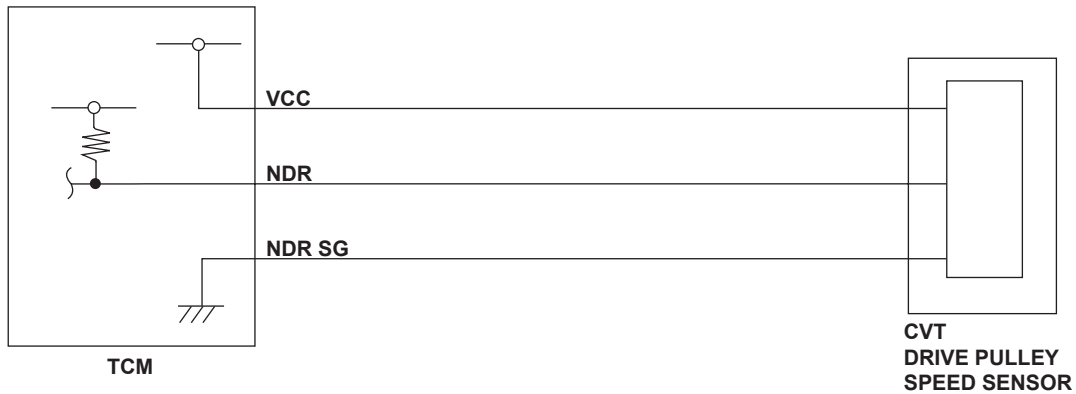# Advanced Diagnostics

DTC P1885: Problem in CVT Drive Pulley Speed Sensor Circuit

P1885-0101

General Description

The CVT drive pulley speed sensor detects the number of revolutions of the gear on the drive pulley and sends a pulsing signal to the transmission control module (TCM). The TCM converts the pulsing signal into drive pulley speed. In addition, the TCM converts the engine ignition signal into the engine speed signal.

If the drive pulley speed is lower than the value that is estimated based on the engine speed in D, L, or R position, a malfunction in the CVT drive pulley speed sensor is detected and a DTC is stored.

Monitor Execution, Sequence, Duration, DTC Type

Execution	Under the Enable Conditions
Sequence	None
Duration	15 seconds
DTC Type	One drive cycle, MIL ON, D indicator blinks

Enable Conditions

Condition	Minimum	Maximum
Engine speed	600 rpm	—
Shift lever position	D, L, or R	

Malfunction Threshold

The drive pulley speed < the engine speed estimated by the TCM by a factor of 0.53 for at least 15 seconds.

Driving Pattern

Start the engine. Hold the engine at 600 rpm or more in D position for at least 15 seconds.

• If you have difficulty duplicating the DTC, retest after turning off electrical components such as the audio system and the A/C.
• Drive the vehicle in this manner only if the traffic regulations and ambient conditions allow.

Diagnosis Details

Conditions for illuminating the MIL
When a malfunction is detected, the MIL comes on and the DTC and the freeze frame data are stored.

Conditions for clearing the MIL
The MIL, the DTC, and the freeze frame data can be cleared by using the scan tool Clear command or by disconnecting the battery.