



NOTE: Make sure to set the scan tool to 0 or full cold before beginning this step.

Command the transmission temperature gauge as follows:

Command	Indication Range
0% (under 32 ° C [0 ° F])	Full cold (C)
50% (65 ° -106 ° C [149 ° -223 ° F])	Center of the gauge
100% (150 ° -193 ° C [302 ° -379 ° F])	Hot (H) (red line)

Does the transmission temperature gauge operate according to the above specifications?

Yes	GO to M4
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No	
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M4 CHECK THE PCM (POWERTRAIN CONTROL MODULE) TRANSMISSION TEMPERATURE PID (PARAMETER IDENTIFICATION)

Using a diagnostic scan tool, view the PCM Parameter Identifications (PIDs).

Start the engine.

Select the PCM transmission temperature PID (TFT).

With the engine running and the transmission temperature increasing, monitor the PCM transmission temperature PID.

Does the PCM PID agree with the temperature gauge indication?

Yes	The transmission temperature gauge is operating correctly at this time.
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No	
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DIAGNOSIS AND TESTING > INSTRUMENTATION, MESSAGE CENTER AND WARNING CHIMES > PINPOINT TESTS > PINPOINT TEST N : A 4WD (FOUR-WHEEL DRIVE) INDICATOR IS NEVER OR ALWAYS ON

See 4WD Indicator. REFER to: Instrument Panel Cluster (IPC) - System Operation and Component Description .

See 4WD RTT. REFER to: Message Center - System Operation and Component Description .

Normal Operation and Fault Conditions