

DY: Engine Oil Temperature (EOT) Sensor

This pinpoint test is intended to diagnose the following:

- engine overheating concerns
- vehicle driving conditions

DY1 CHECK FOR DIAGNOSTIC TROUBLE CODES (DTCS)

Is DTC P0298 present?

Yes	GO to DY2 .
No	RETURN to Section 3, Symptom Charts for further direction.

DY2 ENGINE OIL OVER TEMPERATURE CONDITION

Note: The engine oil temperature protection strategy in the PCM has been activated. This protects the engine against mechanical damage due to overheating.

- Check for an overheating condition and base engine concerns.

Are there any overheating or base engine concerns?

Yes	ISOLATE the concern. REPAIR as necessary. REFER to the Workshop Manual Section 303-03, Engine Cooling to diagnose the overheat symptom. Clear the PCM DTCs. REPEAT the self-test.
No	GO to DY3 .

DY3 IDENTIFY THE CUSTOMER'S DRIVING HABITS

- Identify the customer's driving habits.
- Access the freeze frame data (if available) and record the DTC concern conditions.

Does the vehicle appear to have been driven in an incorrect transmission gear or at high RPM for an extended period?

Yes	ADVISE the customer that incorrect transmission gear selection and high RPM for an extended period initializes the engine protection strategy. Clear the PCM DTCs. REPEAT the self-test.
No	GO to DY4 .

DY4 TYPE OF ENGINE COOLANT SENSOR

Note: The PCM uses an oil algorithm to infer actual temperature based on input from the engine temperature sensor.

Is the vehicle equipped with a cylinder head temperature (CHT) sensor?

Yes	GO to Pinpoint Test DL .
No	GO to Pinpoint Test DX .

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