

DTC	P0128	Coolant Thermostat (Coolant Temperature Below Thermostat Regulating Temperature)
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CIRCUIT DESCRIPTION

If the engine coolant temperature does not reach 75°C (167°F) even often warming up, it is abnormal.

DTC No.	DTC Detecting Condition	Trouble Area
P0128	Condition (a), (b) or (c): (a) Cold start (b) After engine is warmed up (c) THW < 75°C (167°F)	• Thermostat • Cooling system • ECM

INSPECTION PROCEDURE

HINT:

Read freeze frame data using hand-held tester or the OBD II scan tool, as freeze frame data records the engine conditions when a malfunction is detected. When troubleshooting, this is useful for determining whether the vehicle was running or stopped, the engine was warmed up or not, the air-fuel ratio was lean or rich, etc. at the time of the malfunction.

1	Check thermostat (See page CO-12).
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Replace thermostat.

YES

2	Are there any other codes (besides DTC P0128) being output?
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YES

Go to relevant DTC chart (See page [DI-24](#)).

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Check and replace ECM (See page [IN-36](#)).