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DTC	P0128	Coolant Thermostat Malfunction
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DTC DETECTING CONDITION

DTC No	Detecting Condition & Limp Home	Suspected area
P0128	<p>Detecting Condition The engine coolant temperature does not reach warm state when model coolant temperature has reached a thermostat regulating temperature.</p> <p>Enable Condition</p> <ul style="list-style-type: none"> - No relevant failure - No high engine speed with vehicle stopped - Intake air temperature at start > -10°C(14°F) - 10°C(14°F) < engine coolant temperature at start < 74°C (165.2°F) - -10°C(14°) < engine coolant temperature at start < 74°C (165.2°F) <p>Limp Home None</p>	<ul style="list-style-type: none"> - Thermostat - ECM

SPECIFICATIONS

Thermostat	Normal Parameter
Valve opening temperature	82 ± 2°C (179.6 ± 35.6°F)
Valve closing temperature	77°C (170.6°F) or more
Full open lift	10mm or more (at 95°C)

INSPECTION PROCEDURES

1. CHECK DTC RELATING TO ECTS

1. Connect a Hi-Scan (Pro) to the data link connector.
2. Turn ignition to ON position and monitor other DTCs.

Are any DTC relating to ECTS set?



Yes

Do all repairs associated with those codes before proceeding with this procedure.

2. CHECK THERMOSTAT FOR NORMAL OPERATION

1. Remove the thermostat.
2. Check if the thermostat is stuck or damaged.
3. Check that the thermostat is operated normally.

• Refer to "Specifications" for more information.

Is thermostat normal?



No

Replace thermostat.

Proceed with ECM problem procedure.