2004 > G 2.0 DOHC > Engine Mechanical System

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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	Detecting ConditionThe engine coolant temperature does not reach warm state when model coolant temperature has reached a thermostat regulating temperature.Enable Condition- 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)Limp HomeNone	- Thermostat - ECM

SPECIFICATIONS

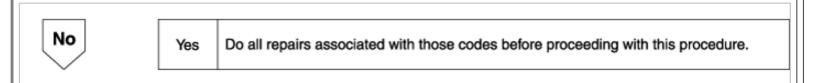
Thermostat	Normal Parameter
Valve opening temperature	82 ± 2°C (179.6 ± 35.6°F)
Valve closing temperature	77°C (170.6°F) or more
Full open lift	10mm or more (at 95°C)

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?



 CHECK THERMOSTAT FOR NORMAL OPERATION Remove the thermostat. Check if the thermostat is stuck or damaged. Check that the thermostat is operated normally. 				
Refer to "Specificatons" for more information.				
Is thermostat normal?				
Yes	No	Replace thermostat.		
Proceed with ECM problem procedure.				