DI6TR-06

DTC	P0116	Engine Coolant Temp. Circuit Range/ Performance Problem
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CIRCUIT DESCRIPTION

Refer[]o[]DTC[]P011[][]on[]page[]DI-1[]3.

DTC No.	DTC Detecting Condition	Trouble Area
	When the engine starts, the water temp. is -7°C (20°F) or less. And, 20 min. or more after the engine starts, the water temp. sensor value is 20°C (68°F) or less (2 trip detection logic)	•Water temp. sensor
P0116	When the engine starts, the water temp. is between -7°C (20°F) and 10°C (50°F) And, 5 min. or more after the engine starts, the water temp. sensor value is 20°C (68°F) or less (2 trip detection logic)	Cooling system

INSPECTION PROCEDURE

HINT:

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

1 Are there any other codes (besides DTC P0116) being output?

YES Go to relevant DTC chart.

NO

2□

Check[thermostat[See[page[CO-12])]

NG Replace thermostat.

OK

Replace engine coolant temp. sensor.