DTC	P0116	ENGINE COOLANT TEMPERATURE CIRCUIT RANGE/PERFORMANCE PROBLEM

CIRCUIT DESCRIPTION

Refer to DTC P0115 on page 05-62.

DTC No.	DTC Detection Condition	Trouble Area
P0116	With the engine coolant temperature was 35°C (95°F) or more but less than 60°C (140°F) when the engine was started, and if conditions (a) and (b) are met: (a) Vehicle runs under the engine speed fluctuation (acceleration and deceleration) (b) Engine coolant temperature remains within 3°C (5.4°F) of the initial engine coolant temperature.	ECT Sensor
P0116	With the engine coolant temperature was more than 60°C (140°F) when the engine was started and the vehicle has accelerated and decelerated, and if the engine coolant temperature sensor indicating below 1°C (1.8°F) temperature variation is successively recorded 6 times.	ECT Sensor

INSPECTION PROCEDURE

HINT:

- If DTC P0115, P0116, P0117, P0118 and P0125 are output simultaneously, ECT sensor circuit may be open or shorted. Perform the troubleshooting of DTC P0115, P0117 or P0118 first.
- Read freeze frame data using the hand-held tester. Freeze frame data records the engine conditions when a malfunction is detected. When troubleshooting, freeze frame data can help determine if the vehicle was running or stopped, if the engine was warmed up or not, if the air-fuel ratio was lean or rich, and other data from the time the malfunction occurred.

REPLACE ENGINE COOLANT TEMPERATURE SENSOR