DTC P0116/22 ENGINE COOLANT TEMP. CIRCUIT RANGE/PERFORMANCE PROBLEM

CIRCUIT DESCRIPTION

Refer[]0DTC[]P011[]/22[]0n[]page[]05-34.

DTC[No.	DTC[Detecting[Condition	Trouble[Area
P011 <mark>6</mark> /22	When@ngine@starts,[water@emp.@s -7°C[[20°F]]@r@ess.[And, 20[]min.@r[]more@sfter@ngine@starts,[@ngine@coolant@emp.@en-sor[yalue@s[20°C[[68°F]]@r@ess[[2]]rip@detection[]ogic)	Cooling system E.F.I.[engine[coolant]emp.[sensor Thermostat
	When engine starts, water emp. s between -7° c (20° c) and 10° c (50° c) and 10° c (50° c) and 50° c) and 50° c (50° c) and 50° c (50° c) and 50° c) and 50	

INSPECTION PROCEDURE

HINT:

- If DTCs P0110/24, P0115/22, P0116/22, P0120/41 and P0121/41 are output simultaneously, engine coolant emperature sensor circuit may be open. Perform he irouble shooting of DTC P0115/22 irst.
- Pead freeze frame data using the hand-held tester, as freeze frame data records the engine conditions when the malfunction is detected. When trouble shooting, it is useful for determining whether the vehicle was funning frestopped, the engine was warmed up for hot, the air-fuel fatio was lean frich, etc. at the time of the malfunction.

	REVINALLIBITION CAREZINES DULLA (22)
	ILAD/OUTFUT/DICIDES/DES/FUTIG/22/
	READ[OUTPUT[DTC(BESIDES[P0116/22)

Result:

	A	В
RESULT	Only[P011[6/22[is[output.	P0116/22andothercodesareoutput.

HINT:

If any other codes besides P0116/22 are output, perform he roubleshoot on hat DTC before.

B GO TO RELEVANT DTC CHART

Α

2 | INSPECT THERMOSTAT See page 16-10)

NG REPLACE THERMOSTAT

OK

REPLACE E.F.I. ENGINE COOLANT TEMPERATURE SENSOR