DTC

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

CIRCUIT DESCRIPTION

Refer[10]DTC[P0115/22[on[page]05-153.

DTC[No.	DTC[Detecting[Condition	Trouble[Area
P011 <mark>6</mark> /22	When engine starts, water emp. s - 7° C 120° F) or less. And, 20 min. or more after engine starts, engine coolant emp. ensor value s 20° C 168° F) or less 2 min between the sor value s 20° C 168° F) or less 2 min between the sor or value s 20° C 168° F) or less 2 min between the sor or value s 20° C 168° F) or less 2 min between the sor or value s 20° C 168° F) or less 120° C 168° F) or less 168° F) or less 120° C 168° F) or less	Cooling system E.F.I.[engine[coolant[emp.[sensor
	When engine starts, water emp. sbetween -7° [20°] and 10° [50°] And, finin. or more after engine starts, engine coolant emp. sensor value [20° [68°] or less (21) detection ogic)	

INSPECTION PROCEDURE

HINT:

- If[DTCs[P0110/24,[P0115/22,[P0116/22,[P0120/41[and[P0121/41[are[output[simultaneously,[engine coolant@emperature@sensor@ircuit@may@be@pen.@Perform@he@roubleshooting@f@TC@P0116/22@irst.
- Read[freeze[frame[data]using[fhe[hand-held[fester,[as[freeze[frame[data]frecords[fhe[engine[conditions[vhent]he[malfunction[isc]detected.[Vhent]froubleshooting,[it[isc]usefulf]orc]determining[vhethert]he vehicle was Junning or stopped, the engine was warmed up or not, the air-fuel atio was lean or lich, etc.[at[]he[]ime[]of[]he[]malfunction.

1 READ OUTPUT DTC (BESIDES P0116/2	1□	READ[OUTPUT[DTC(BESIDES[P0116/22)
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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.

GO TO RELEVANT DTC CHART В

Α

2∏ INSPECT[THERMOSTAT[See]page 16-22)

> **REPLACE THERMOSTAT** NG

OK

REPLACE E.F.I. ENGINE COOLANT TEMPERATURE SENSOR