

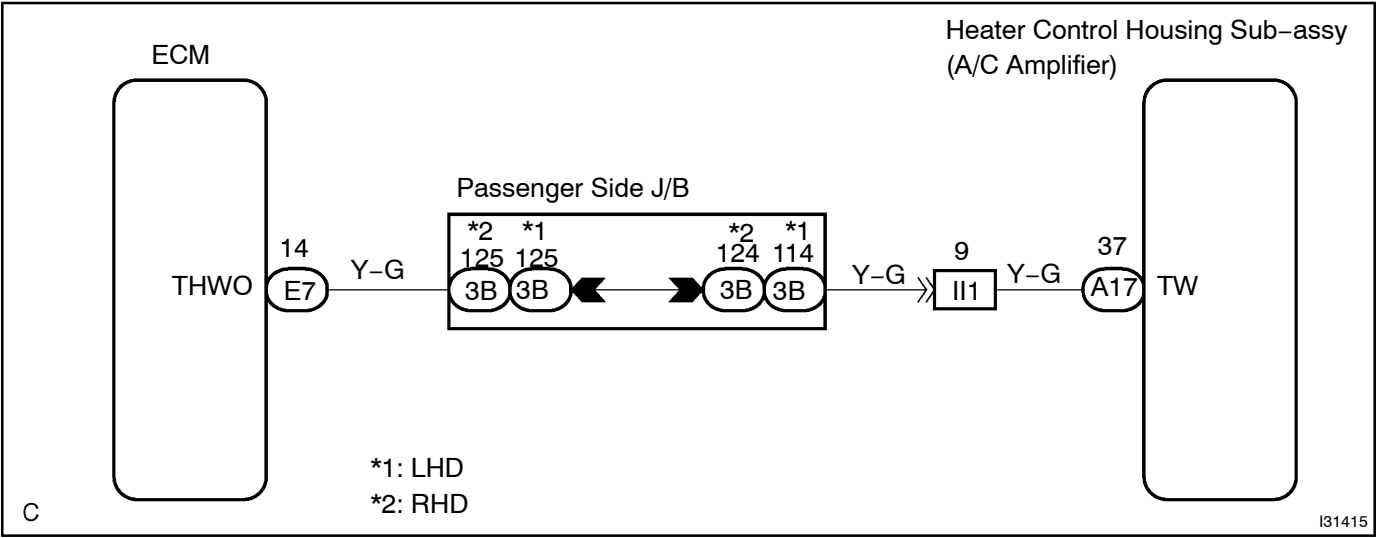
DTC	14	ENGINE COOLANT TEMPERATURE COMMUNICATION CIRCUIT
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CIRCUIT DESCRIPTION

This sensor detects the temperature and sends the appropriate signals to the A/C amplifier. These signals are used for warm up control when engine is cold.

DTC No.	Detection Item	Trouble Area
14	Open or short in A/C amplifier and ECM circuit.	<ul style="list-style-type: none"><li>• ECM</li><li>• Harness or connector between ECM and A/C amplifier</li><li>• A/C amplifier</li></ul>

WIRING DIAGRAM



INSPECTION PROCEDURE

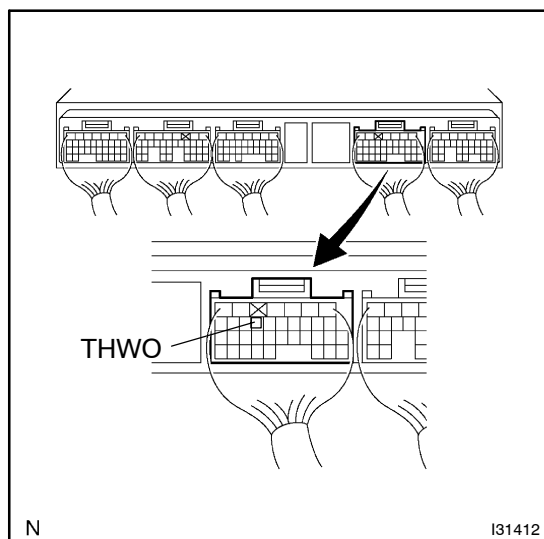
1	DIAGNOSTIC TROUBLE CODE CHECK
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(a) Check that the DTC P0115/22 does not output.

NG	GO TO ENGINE CONTROL SYSTEM
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OK
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## 2 INSPECT ECM(THWO)



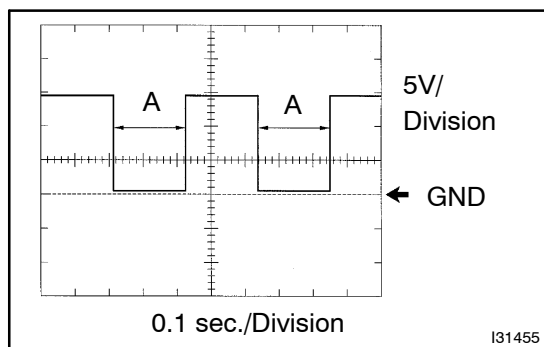
- Turn the ignition switch ON.
- Measure the waveform between terminal THWO of the ECM connector and body ground.

**OK: Pulse generation**

**HINT:**

- The correct waveform is as shown.
- Water temperature changes A.

Water temp.	Below 30°C (86°F)	Approx. 75°C (167°F)	90°C – 100°C (194°F – 212°F)
A	16ms	102ms	262ms



**NG**

**CHECK AND REPLACE ECM**

**OK**

## 3 CHECK HARNESS AND CONNECTOR(BETWEEN ECM AND HEATER CONTROL HOUSING SUB-ASSY)

**NG**

**REPAIR OR REPLACE HARNESS OR CONNECTOR**

**OK**

**CHECK AND REPLACE HEATER CONTROL HOUSING SUB-ASSY**