

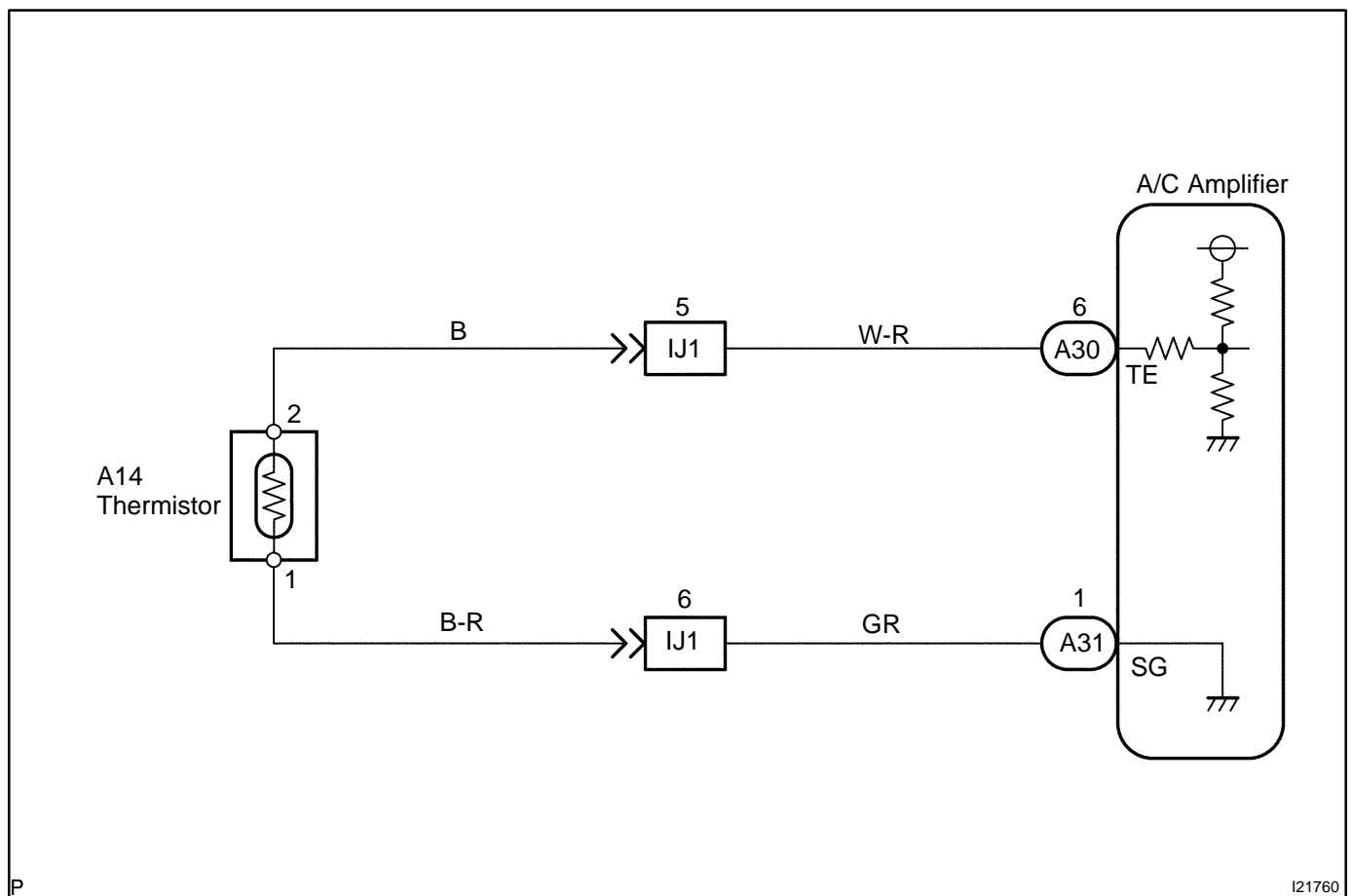
<b>DTC</b>	<b>13</b>	<b>Evaporator Temperature Sensor Circuit</b>
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## CIRCUIT DESCRIPTION

This sensor detects the temperature inside the A/C unit and sends the appropriate signals to the A/C control assembly.

DTC No.	Detection Item	Trouble Area
13	Open or short in evaporator temperature sensor circuit.	<ul style="list-style-type: none"> <li>• Evaporator temperature sensor</li> <li>• Harness or connector between evaporator temperature sensor and A/C control assembly</li> <li>• A/C control assembly</li> </ul>

## WIRING DIAGRAM

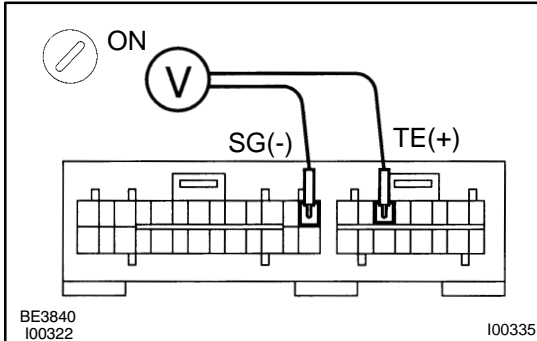


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## INSPECTION PROCEDURE

<b>1</b>	<b>Check voltage between terminals TE and SG of A/C control assembly connector.</b>
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**PREPARATION:**

- (a) Remove A/C control assembly with connectors still connected (See page [AC-84](#)).
- (b) Turn ignition switch to ON.

**CHECK:**

Measure voltage between terminals TE and SG of A/C control assembly connector at each temperature.

**OK:****Voltage**

at 0 °C (32 °F) : 2.0 - 2.4 V

at 15 °C (59 °F) : 1.4 - 1.8 V

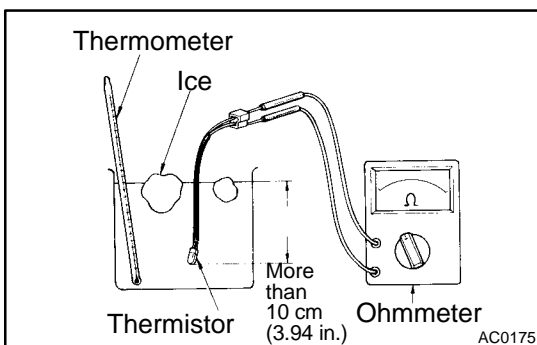
**HINT:**

As the temperature increases, the voltage decreases.

**NG****Go to step 2.****OK**

Proceed to next circuit inspection shown on problem symptoms table (See page [DI-586](#) ). However, if DTC 13 is displayed, check and replace A/C control assembly.

<b>2</b>	<b>Check evaporator temperature sensor.</b>
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**PREPARATION:**

Remove evaporator temperature sensor (See page [AC-28](#) ).

**CHECK:**

Check resistance between terminals 1 and 2 of evaporator temperature sensor connector at each temperature.

**OK:****Resistance**

at 0 °C (32 °F) : 4.6 - 5.1 kΩ

at 15 °C (59 °F) : 2.1 - 2.6 kΩ

**HINT:**

As the temperature increases, the resistance decreases.

**NG****Replace evaporator temperature sensor.****OK**

3	Check harness and connector between A/C control assembly and evaporator temperature sensor (See page <a href="#">IN-28</a> ).
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Repair or replace harness or connector.

OK

Check and replace A/C control assembly.