

1A



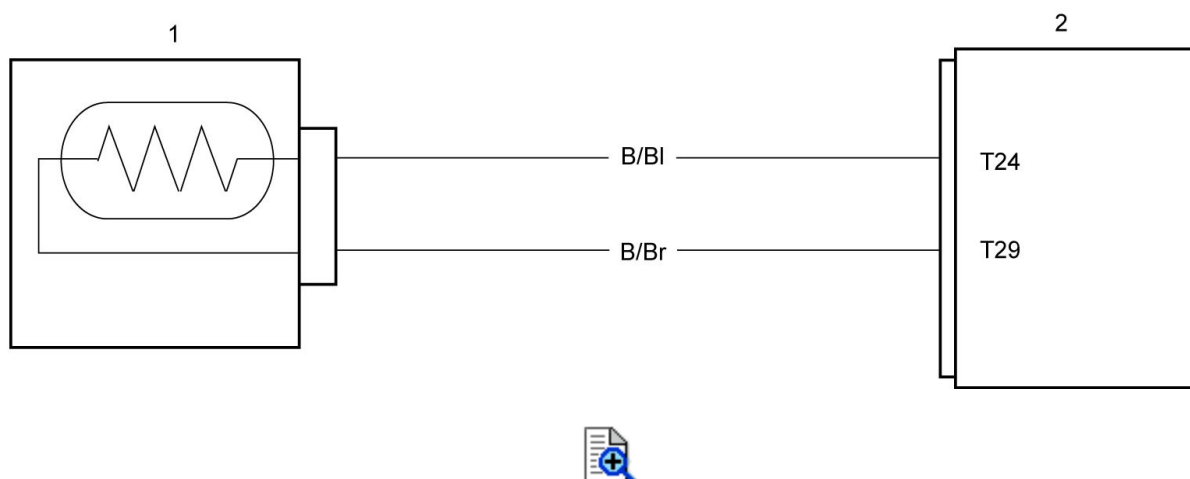
## DTC P0115-H / P0115-L (C15)

### DTC Detecting Condition and Trouble Area

DTC detecting condition	Trouble area
<b>P0115-H: ECT Sensor Circuit High Voltage</b> The sensor output voltage is higher than the specified value.	<ul style="list-style-type: none"><li>ECT sensor</li><li>ECT sensor circuit</li><li>ECM</li></ul>
<b>P0115-L: ECT Sensor Circuit Low Voltage</b> The sensor output voltage is lower than the specified value.	
<b>C15: ECT Sensor Circuit Malfunction</b> The sensor output voltage is not within 0.15 – 4.85 V.	


### Wiring Diagram

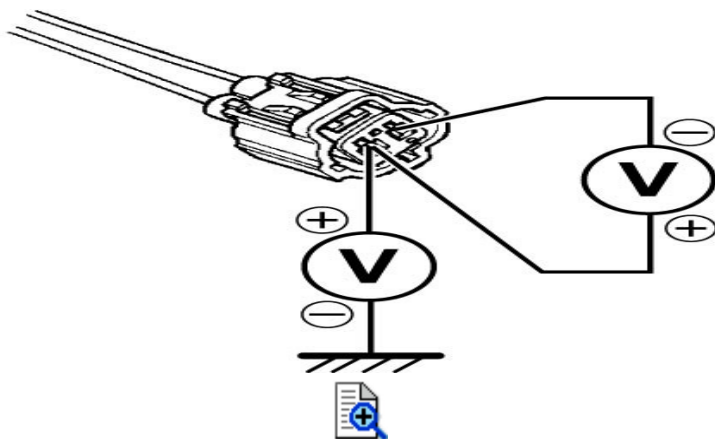
Refer to [FI System Wiring Diagram](#).



1.	ECT sensor	2.	ECM
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### Troubleshooting

Step	Action	Yes	No
<b>1</b>	<b>ECT sensor input voltage check</b> 1) Turn the ignition switch OFF. 2) Disconnect the ECT sensor coupler.  3) Check for proper terminal connection to the ECT sensor coupler. 4) If connections are OK, turn the ignition switch ON. 5) Measure the voltage between the B/Bl wire and ground. 6) If OK, measure the voltage between the B/Bl wire and B/Br wire.	Go to Step 3.	Go to Step 2.

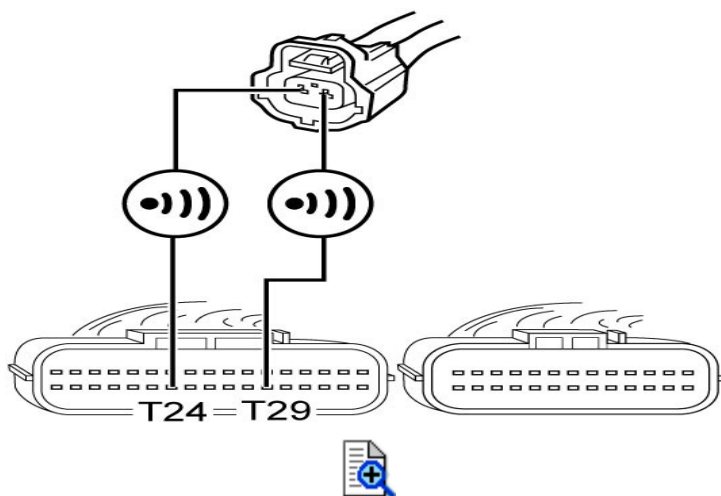


*Is voltage 4.5 – 5.5 V?*

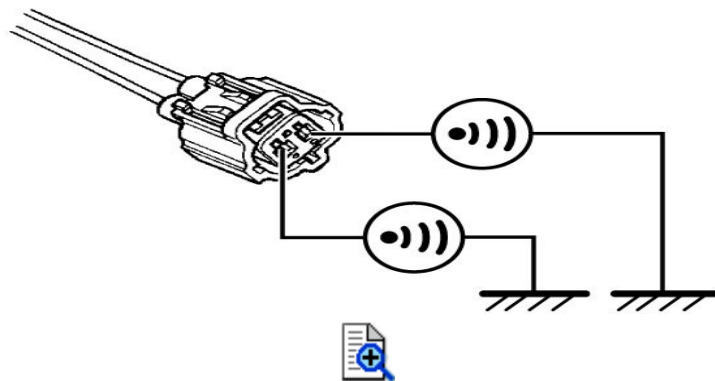
**2**

### ECT sensor circuit check

- 1) Turn the ignition switch OFF.
- 2) Disconnect the ECM couplers.
- 3) Check for proper terminal connection to the ECM couplers.
- 4) If connections are OK, check the following points.
  - Resistance
    - B/Bl wire and B/Br wire: less than 1  $\Omega$



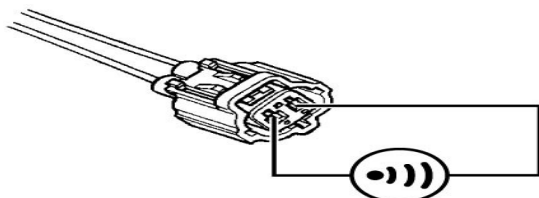
- Between each of B/Bl and B/Br wire and ground: infinity



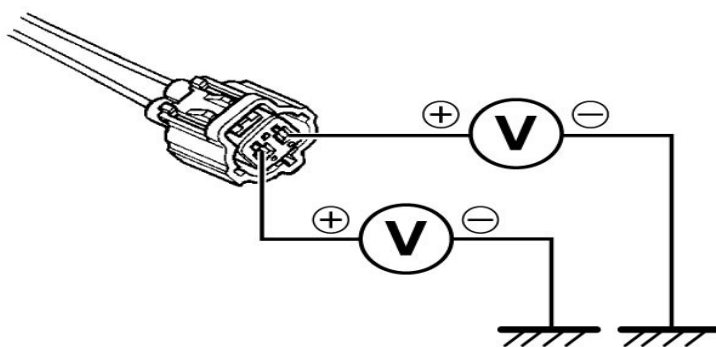
- Between B/Bl wire terminal and B/Br wire terminal at ECT sensor coupler: infinity

Replace the ECM with a known good one, and inspect it again.

Repair or replace the defective wire harness.



- Voltage
  - Turn the ignition switch ON.
  - B/Bl wire and B/Br wire: approx. 0 V

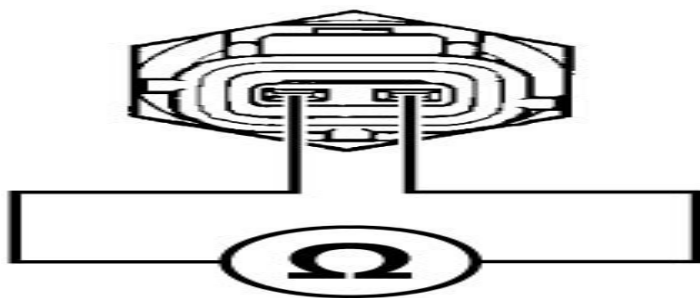


*Is check result OK?*

**3**

### ECT sensor check

- 1) Turn the ignition switch OFF.
- 2) Measure the ECT sensor resistance at 20 °C (68 °F).



*Is resistance 2320 – 2590 Ω?*

Replace the ECM with a known good one, and inspect it again.

Replace the ECT sensor with a new one.