

1A



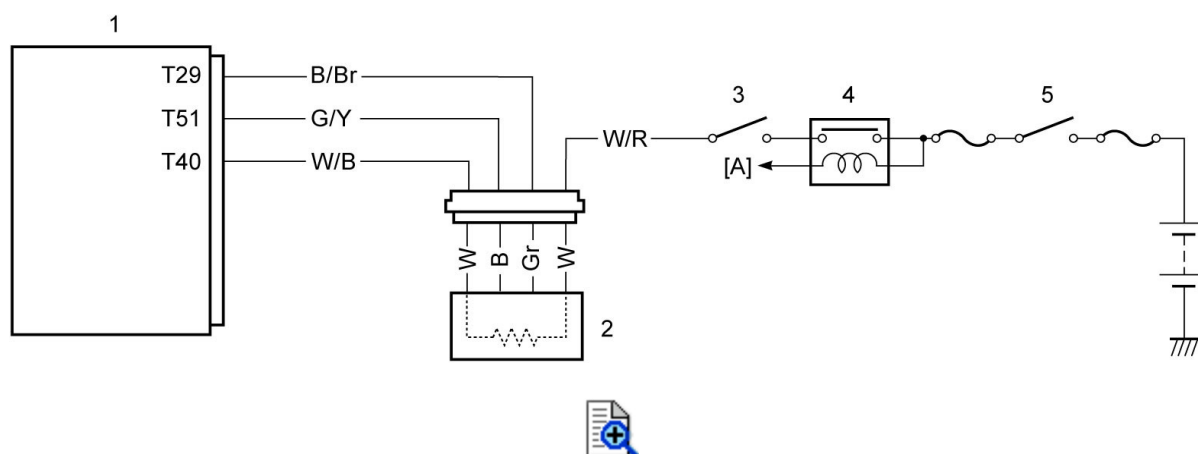
## DTC P0135 (C64)

### DTC Detecting Condition and Trouble Area

DTC detecting condition	Trouble Area
<b>P0135 (C64): HO2 Sensor #1 Heater Circuit Malfunction</b> The heater can not operate so that heater operation voltage is not supplied to the HO2 sensor heater circuit.	<ul style="list-style-type: none"> <li>HO2 sensor #1</li> <li>HO2 sensor heater</li> <li>HO2 sensor #1 heater circuit</li> <li>ECM</li> </ul>


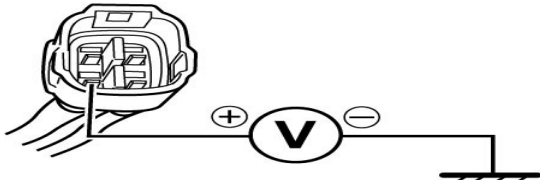
### Wiring Diagram

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



[A]:	To GP switch	2.	HO2 sensor #1	4.	Side-stand relay
1.	ECM	3.	Engine stop switch	5.	Ignition switch

### Troubleshooting (Use of SDS)

Step	Action	Yes	No
<b>1</b>	<b>HO2 sensor heater power supply circuit check</b> 1) Turn the ignition switch OFF. 2) Disconnect the HO2 sensor #1 coupler.  3) Check for proper terminal connection to the HO2 sensor #1 coupler. 4) If connections are OK, turn ignition switch ON. 5) Measure the voltage between W/R wire and ground. 	Go to Step 2.	Repair or replace the W/R wire.

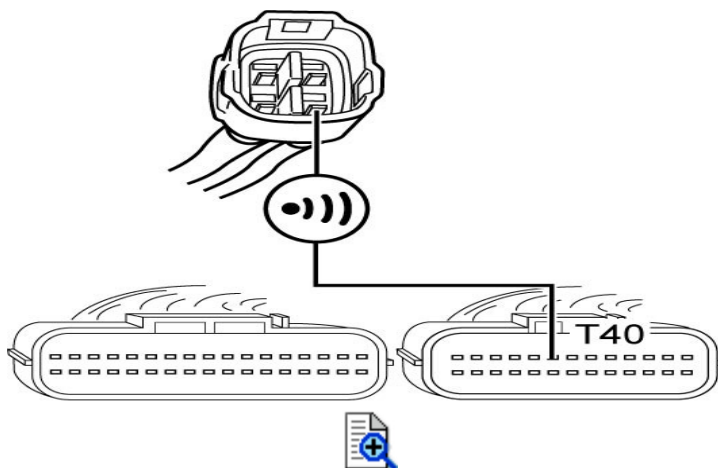


## Is voltage battery voltage?

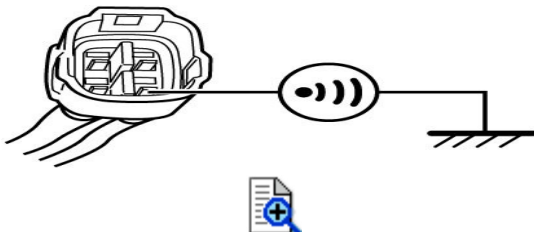
# 2

### H02 sensor heater drive circuit check

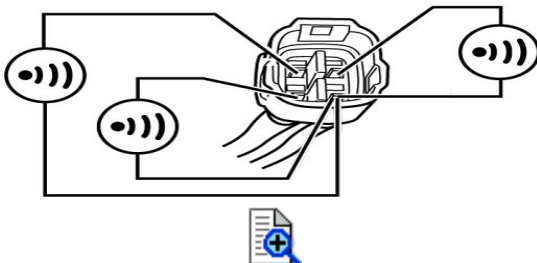
- 1) Turn the ignition switch OFF.
- 2) Disconnect the ECM couplers.
- 3) Check for proper terminal connection to the ECM couplers.
- 4) If connections are OK, check the following points.
  - Resistance
    - W/B wire: less than 1  $\Omega$



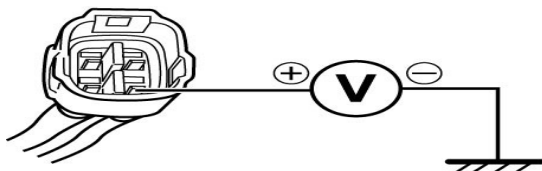
- Between W/B wire and ground: infinity



- Between W/B wire terminal and other terminal at HO2 sensor #1 coupler: infinity


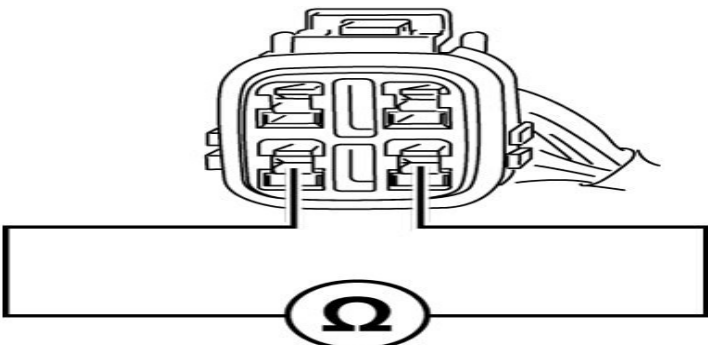





- Voltage
  - Turn the ignition switch ON.
  - W/B wire: approx. 0 V



Go to Step 3.

Repair or replace the W/B wire.

			
	<p><b><i>Is check result OK?</i></b></p>		
<p><b>3</b></p>	<p><b>H02 sensor heater check</b></p> <ol style="list-style-type: none"> <li>1) Turn the ignition switch OFF.</li> <li>2) Measure the resistance between terminals.</li> </ol>   <p><b><i>Is resistance 6.7 – 9.5 Ω (at 20 °C (73 °F))?</i></b></p>	<p>Replace the ECM with a known good one, and inspect it again. </p>	<p>Replace the HO2 sensor #1 with a new one. </p>

## Troubleshooting (Use of Mode Select Switch)

Refer to [DTC P0130 \(C64\)](#).