

1A



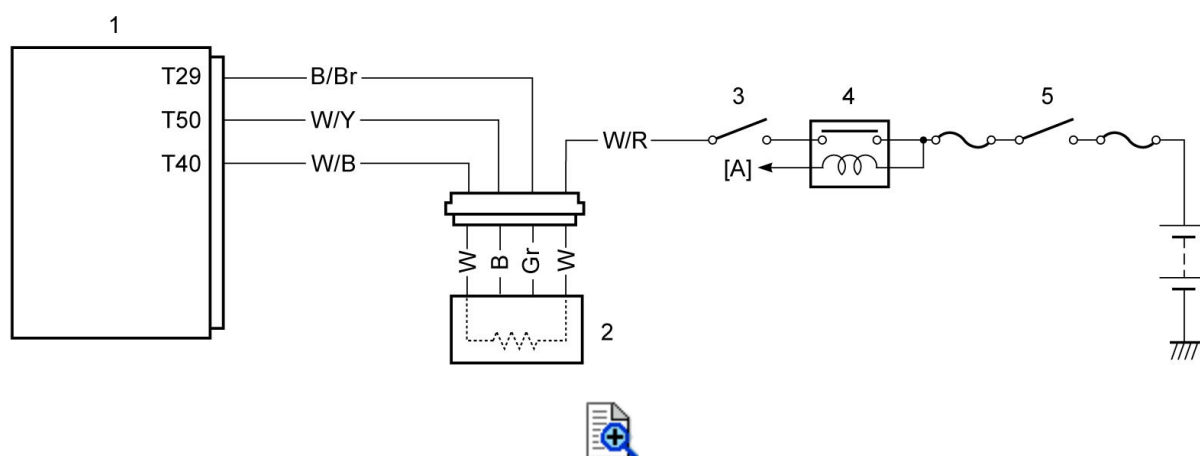
DTC P0161 (C44)

DTC Detecting Condition and Trouble Area

DTC detecting condition	Trouble Area
P0161 (C44): HO2 Sensor #2 Heater Circuit Malfunction 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"> HO2 sensor #2 HO2 sensor heater HO2 sensor #2 heater circuit ECM


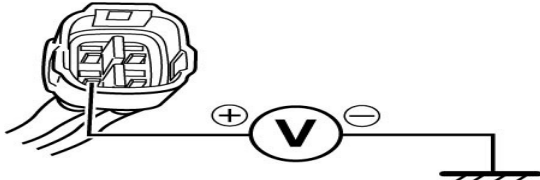
Wiring Diagram

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



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

Troubleshooting (Use of SDS)

Step	Action	Yes	No
1	HO2 sensor heater power supply circuit check 1) Turn the ignition switch OFF. 2) Disconnect the HO2 sensor #2 coupler.  3) Check for proper terminal connection to the HO2 sensor #2 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.

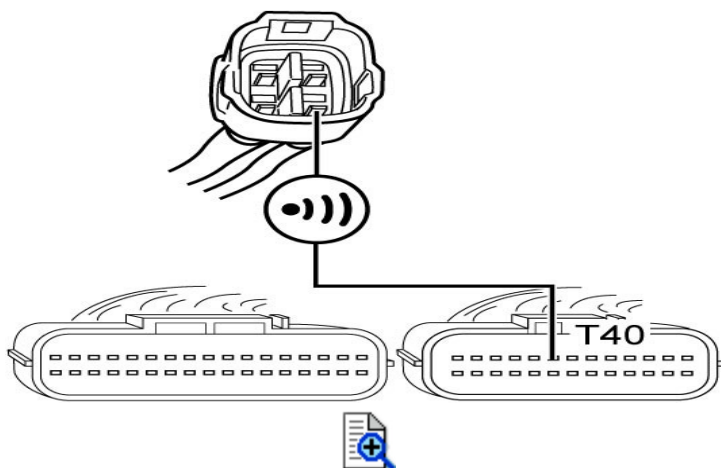


Is voltage battery voltage?

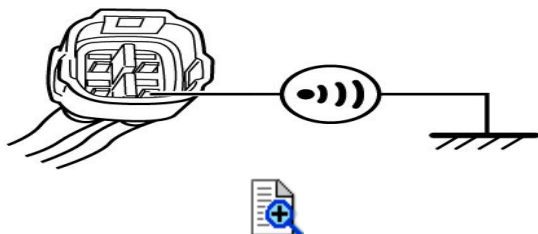
2

H02 sensor heater drive circuit check

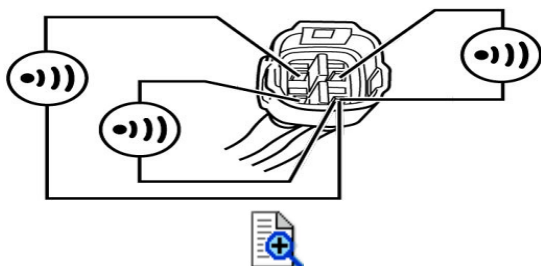
- 1) Turn the ignition switch OFF.
- 2) Disconnect the ECM couplers.
- 3) Check for proper terminal connection to the ECM couplers.
- 4) If connections are OK, check the following points.
 - Resistance
 - W/B wire: less than 1 Ω



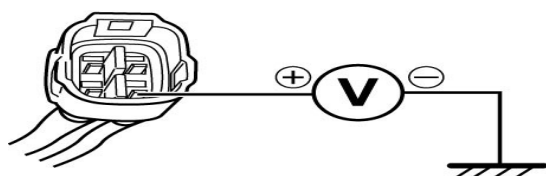
- Between W/B wire and ground: infinity



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


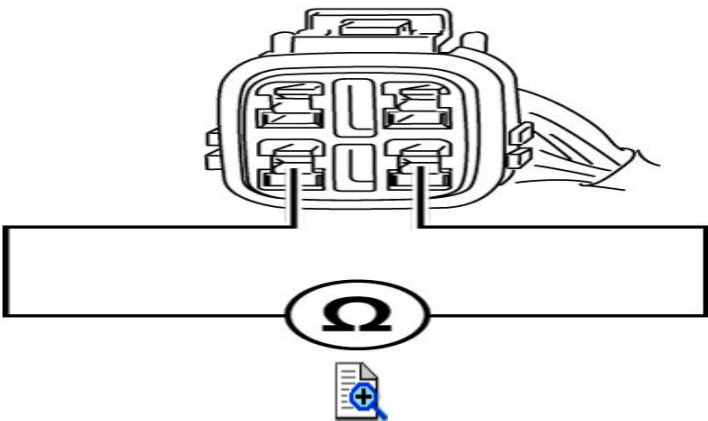





- Voltage
 - Turn the ignition switch ON.
 - W/B wire: approx. 0 V



Go to Step 3.

Repair or replace the W/B wire.

			
	<p><i>Is check result OK?</i></p>		
3	<p>H02 sensor heater check</p> <p>1) Turn the ignition switch OFF. 2) Measure the resistance between terminals.</p>   <p><i>Is resistance 6.7 – 9.5 Ω (at 23 °C (73 °F))?</i></p>	<p>Replace the ECM with a known good one, and inspect it again. </p>	<p>Replace the HO2 sensor #2 with a new one. </p>

Troubleshooting

Refer to [DTC P0156 \(C44\)](#).