

1A



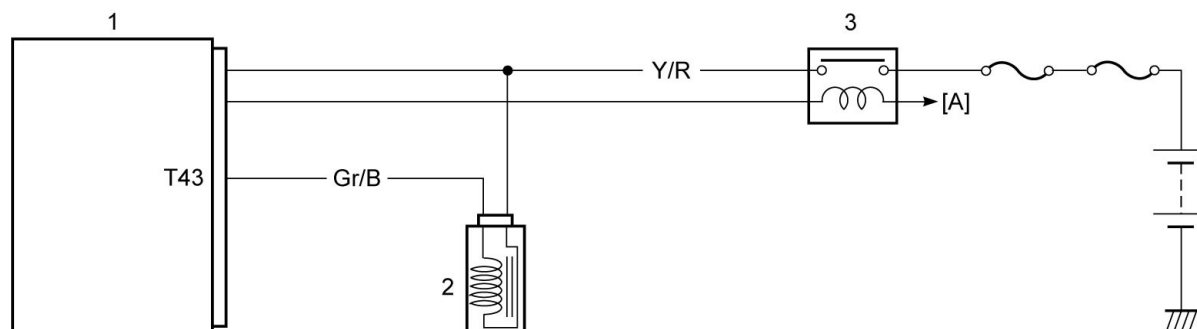
DTC P0202 (C33)

DTC Detecting Condition and Trouble Area

DTC detecting condition	Trouble area
P0202 (C33): Fuel Injector #2 Malfunction Fuel injector signal is interrupted by 4 times or more continuity although CKP signal is detected.	<ul style="list-style-type: none"> Fuel injector #2 Fuel injector #2 circuit ECM

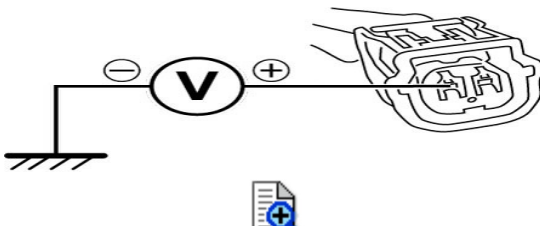
Wiring Diagram

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



[A]:	To engine stop switch	2.	Fuel injector #2
1.	ECM	3.	FP relay

Troubleshooting


Step	Action	Yes	No
1	Injector power supply circuit check 1) Turn the ignition switch OFF. 2) Disconnect the injector #2 coupler. Refer to Throttle Body Assembly Removal and Installation . 3) Check for proper terminal connection to the injector coupler. 4) If connections are OK, turn the ignition switch ON. 5) Measure the voltage between Y/R wire and ground. 	Go to Step 2.	Repair or replace the Y/R wire.

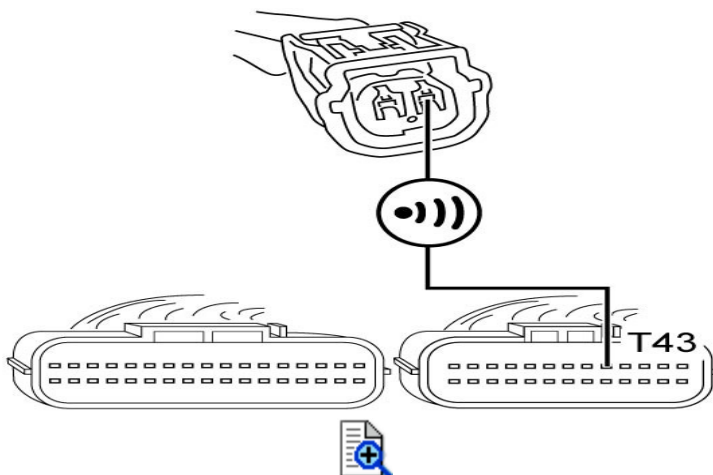


Is voltage battery voltage?

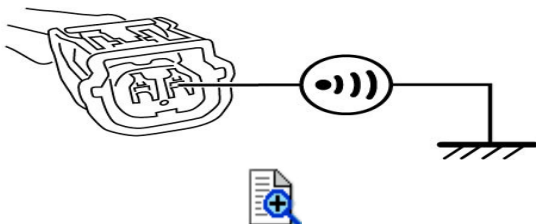
2

Injector drive circuit check

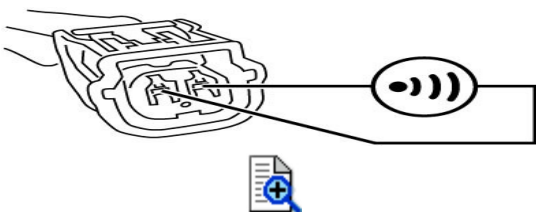
- 1) Turn the ignition switch OFF.
- 2) Disconnect the ECM couplers. 
- 3) Check for proper terminal connection to the ECM couplers.
- 4) If connections are OK, check the following points.
 - Resistance
 - Gr/B wire: less than 1 Ω



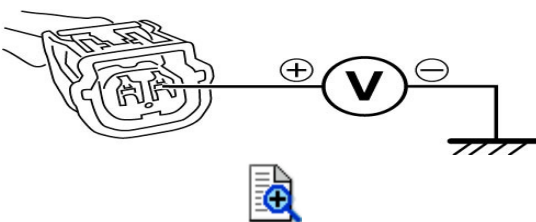
- Between Gr/B wire and ground: infinity



- Between Gr/B wire terminal and other terminal at injector #2 coupler: infinity



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



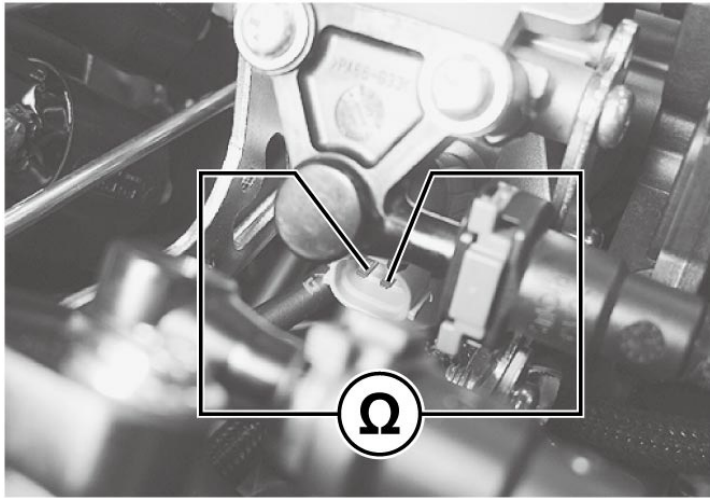
Is check result OK?

Go to Step 3.

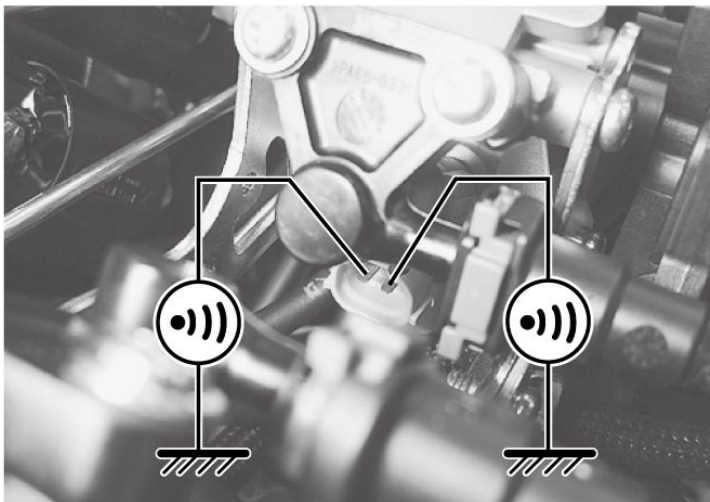
Repair or
replace the
defective wire
harness.

3**Injector resistance check**

- 1) Turn the ignition switch OFF.
- 2) Check the following points.
 - Resistance
 - Terminal and Terminal: 11.5 – 12.5 Ω (at 20 °C (68 °F))



- Continuity
 - Each terminal and ground: infinity



Is check result OK?

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

Replace the injector #2 with a new one.