

1A



DTC P0443 (C62) (If Equipped)

DTC Detecting Condition and Trouble Area

DTC detecting condition	Trouble area
P0443 (C62): EVAP System Purge Solenoid Valve Circuit Malfunction EVAP system purge control valve voltage is not input to ECM.	<ul style="list-style-type: none">• EVAP system purge control solenoid valve• EVAP system purge control solenoid valve circuit• ECM


Wiring Diagram

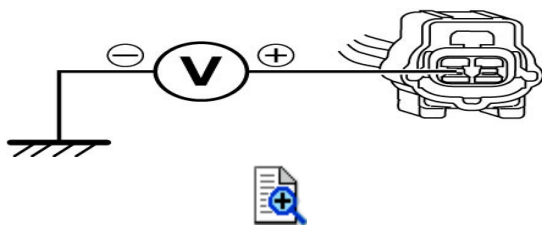
Refer to [FI System Wiring Diagram](#).



[A]:	To side-stand switch	2.	EVAP system purge control solenoid valve	4.	Side-stand relay
1.	ECM	3.	Engine stop switch	5.	Ignition switch

Troubleshooting

Step	Action	Yes	No
1	EVAP system purge control solenoid valve power supply circuit check 1) Turn the ignition switch OFF. 2) Disconnect the EVAP system purge control solenoid valve coupler.  3) Check for proper terminal connection to the EVAP system purge control solenoid valve coupler. 4) If connections are OK, turn the ignition switch ON. 5) Measure the voltage between the W/R wire and ground.	Go to Step 2.	Repair or replace the W/R wire.

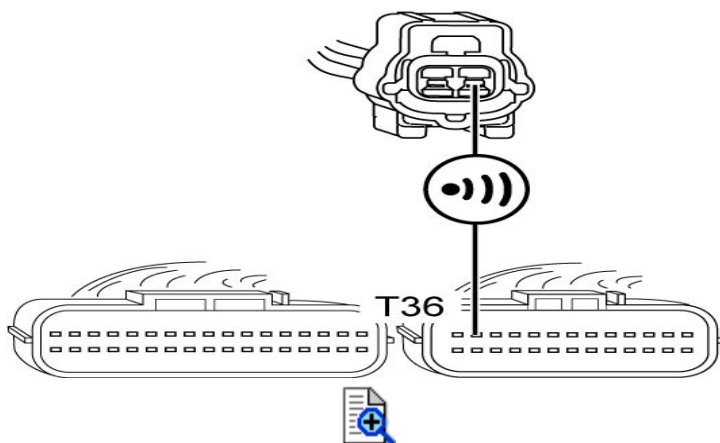


Is voltage battery voltage?

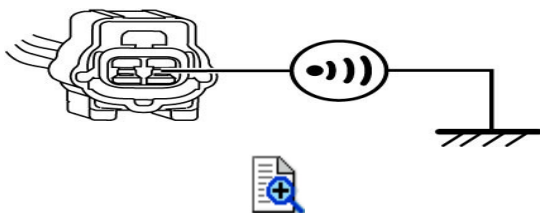
2

EVAP system purge control solenoid valve driver circuit check

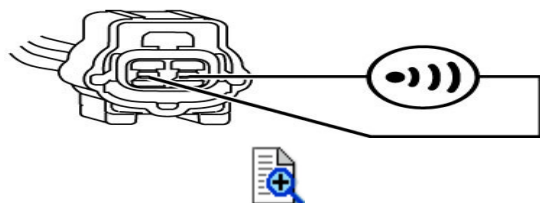
- 1) Turn the ignition switch OFF.
- 2) Disconnect the ECM couplers.
- 3) Check for proper terminal connection to the ECM couplers.
- 4) If connections are OK, check the following points.
 - Resistance
 - G wire: less than 1 Ω



- Between G wire and ground: infinity



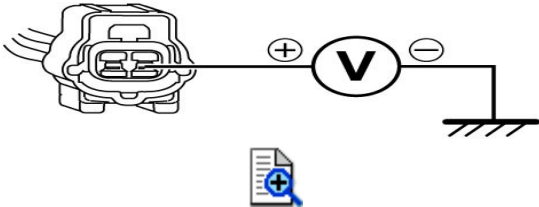
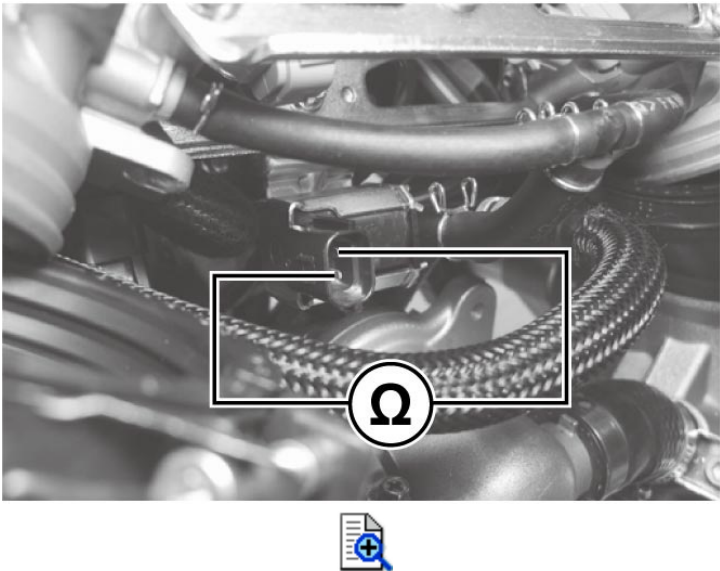


- Between G wire terminal and W/R wire terminal at EVAP system purge control solenoid valve coupler: infinity



- Voltage
 - Turn the ignition switch ON.
 - G wire: approx. 0 V

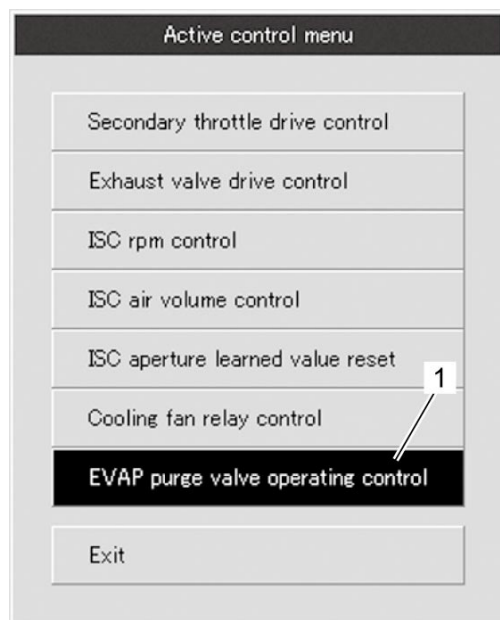
Go to Step 3.

Repair or replace the G wire.

	 <p><i>Is check result OK?</i></p>		
3	<p>EVAP system purge control solenoid valve check</p> <ol style="list-style-type: none"> 1) Turn the ignition switch OFF. 2) Measure the EVAP system purge control solenoid valve resistance between terminals.  <p><i>Is resistance 30 – 34 Ω (at 20 °C (68 °F))?</i></p>	<p>Replace the ECM with a known good one, and inspect it again. </p>	<p>Replace the EVAP system purge control solenoid valve with a new one. </p>

Active Control Inspection

- 1) Set up the SDS tool referring to SDS operation manual for further details.
- 2) Turn the ignition switch ON.
- 3) Click "EVAP purge valve operating control" (1).



- 4)** Click each button (1). At this time, if an operating sound is heard from the EVAP system purge control solenoid valve, the function is normal.

Item	Value	Unit
<input type="checkbox"/> EVAP purge valve	On	

