DTC	P0560	System Voltage

### DESCRIPTION

The battery supplies electricity to the ECM even when the ignition switch is in the OFF position. This power allows the ECM to store data such as DTC history, freeze frame data and fuel trim values. If the battery voltage falls below a minimum level, the memory is cleared and the ECM determines that there is a malfunction in the power supply circuit. When the engine is next started, the ECM illuminates the MIL and sets the DTC.

DTC No.	DTC Detection Conditions	Trouble Areas
P0560	Open in ECM back up power source circuit (1 trip detection logic)	<ul> <li>Open in back up power source circuit</li> <li>Battery</li> <li>Battery terminals</li> <li>EFI MAIN fuse</li> <li>ECM</li> </ul>

HINT:

If DTC P0560 is set, the ECM does not store other DTCs or the data stored in the ECM are partly erased.

## **MONITOR STRATEGY**

Related DTCs	P0560: ECM system voltage
Required Sensors/Components (Main)	ECM
Required Sensors/Components (Related)	-
Frequency of Operation	Continuous
Duration	3 seconds
MIL Operation	Immediate (MIL illuminated after next engine start)
Sequence of Operation	None

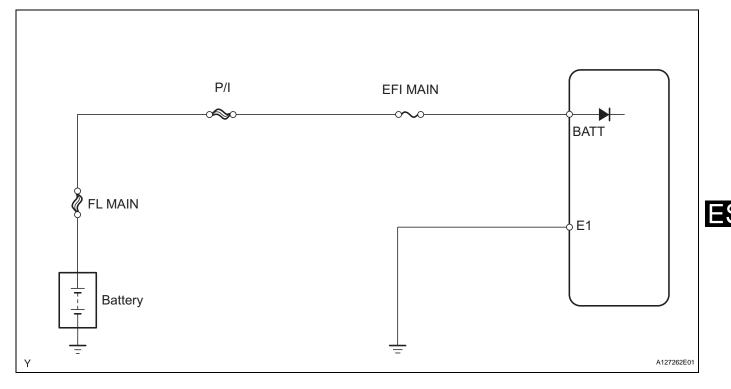
# **TYPICAL ENABLING CONDITIONS**

Monitor runs whenever following DTCs not present	None
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# **TYPICAL MALFUNCTION THRESHOLDS**

ECM power source Less than 3.5 V

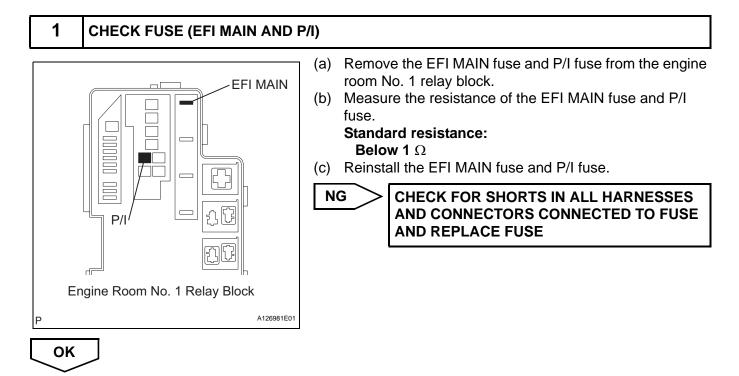
#### WIRING DIAGRAM

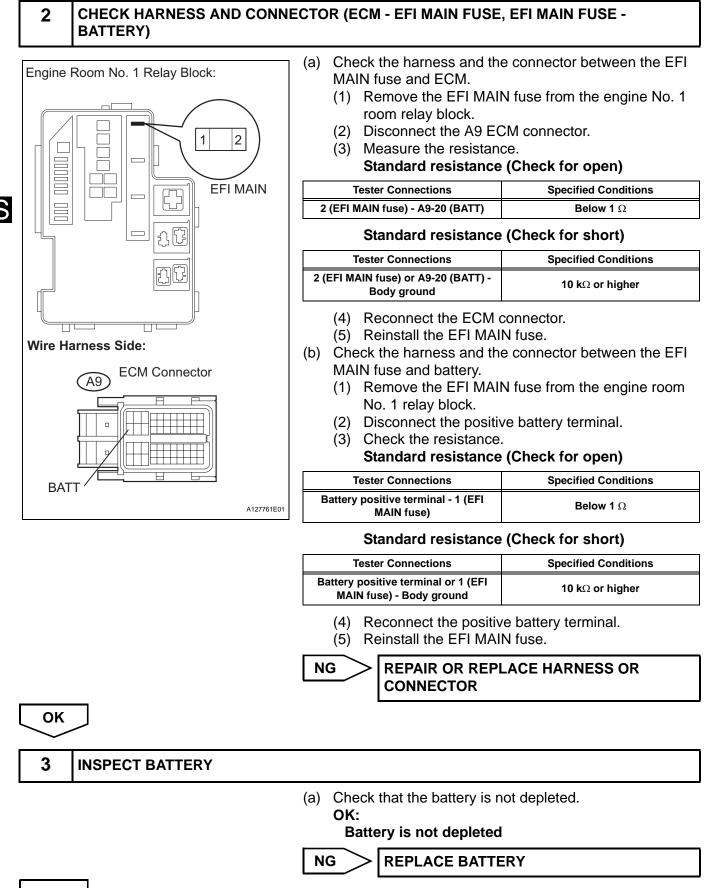


## **INSPECTION PROCEDURE**

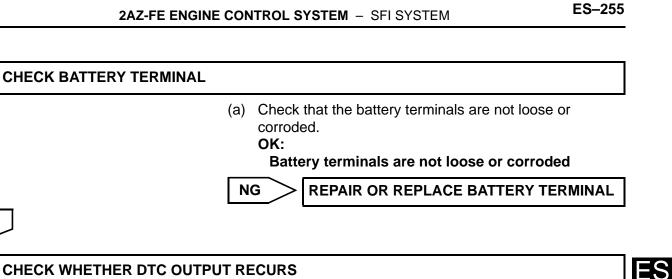
#### HINT:

Read freeze frame data using the intelligent tester. Freeze frame data records the engine condition when malfunctions are detected. When troubleshooting, freeze frame data can help determine if the vehicle was moving or stationary, if the engine was warmed up or not, if the air-fuel ratio was lean or rich, and other data from the time the malfunction occurred.





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- (a) Connect the intelligent tester to the DLC3.
- (b) Turn the ignition switch ON and turn the tester ON.
- (c) Clear DTCs (see page ES-35).
- (d) Turn the ignition switch OFF and turn the tester OFF.
- (e) Start the engine and turn the tester ON.
- (f) Select the following menu items: DIAGNOSIS / ENHANCED OBD II / DTC INFO / CURRENT CODES.
- (g) Read DTCs.



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OK

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**CHECK BATTERY TERMINAL** 

Display (DTC Output)		Proceed To
P0560		A
No output		В
A	В	> CHECK FOR INTERMITTENT PROBLEMS
REPLACE ECM		