DTC	P0560	System Voltage

MONITOR DESCRIPTION

The battery supplies electricity to the ECM even when the ignition switch is OFF. This electricity allows the ECM to store data such as DTC history, freeze frame data, fuel trim values, and other data. If the battery voltage falls below a minimum level, the ECM will conclude that there is a fault in the power supply circuit. The next time the engine starts, the ECM will turn on the MIL and a DTC will be set.

DTC No.	DTC Detection Condition	Trouble Area
P0560	Open in back-up power source circuit	• Open in back-up power source circuit • ECM

HINT:
If DTC P0560 is present, the ECM will not store other DTCs.

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 will illuminate after the next engine start)
Sequence operation	None

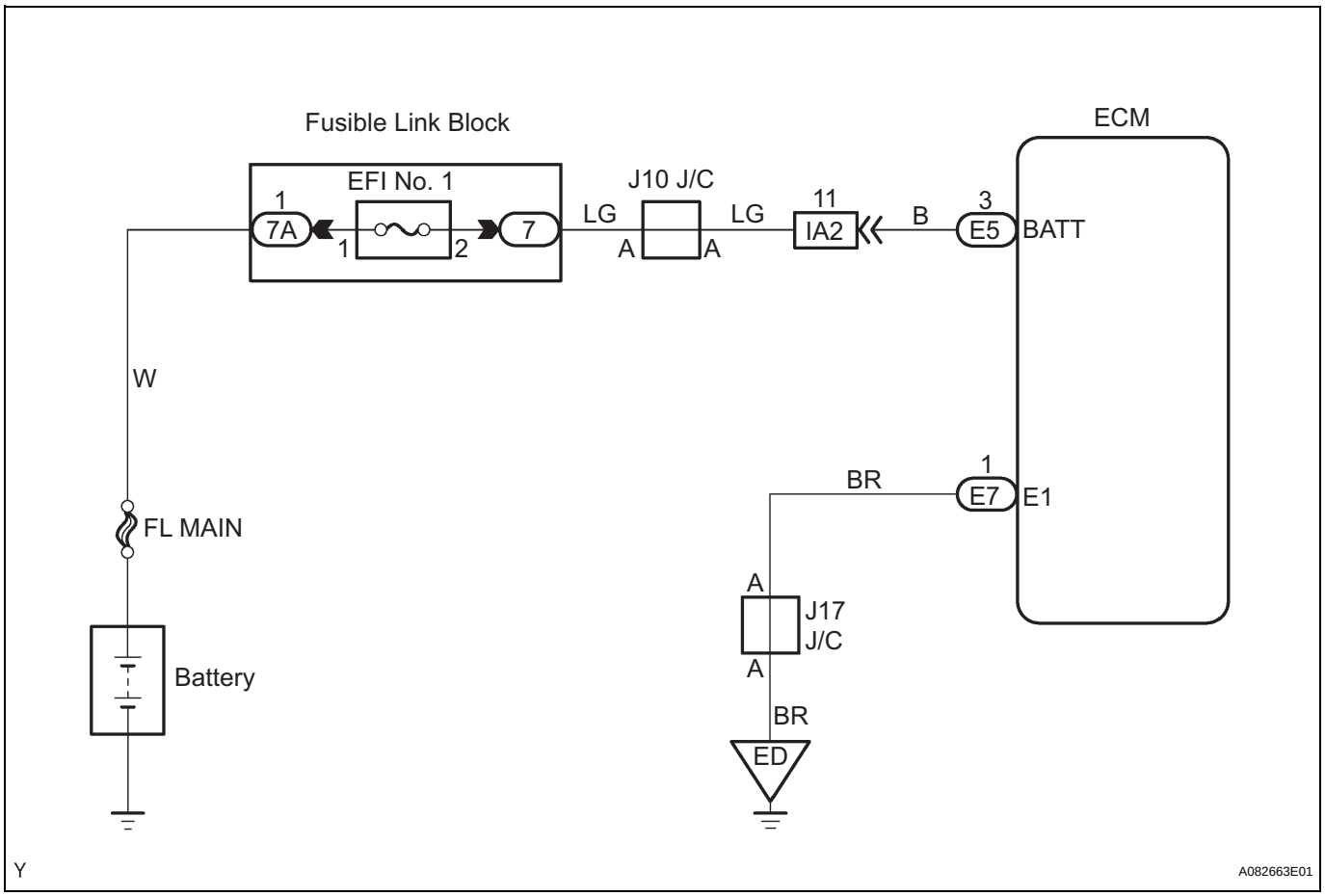
TYPICAL ENABLING CONDITIONS

The monitor will run whenever these DTCs are not present	None

TYPICAL MALFUNCTION THRESHOLDS

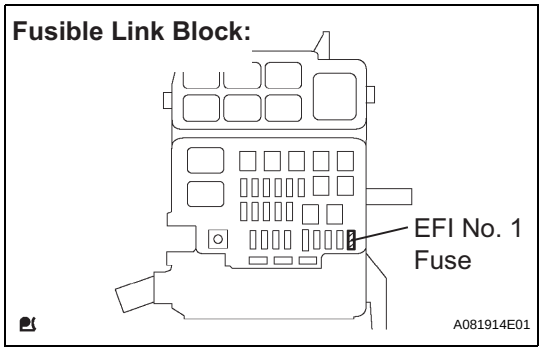
ECM power source	Less than 3.5 V

WIRING DIAGRAM



HINT:
Read freeze frame data using the intelligent tester. The ECM records vehicle and driving condition information as freeze frame data the moment a DTC is stored. When troubleshooting, freeze frame data can help determine if the vehicle was running or stopped, 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.

1	CHECK EFI NO. 1 FUSE

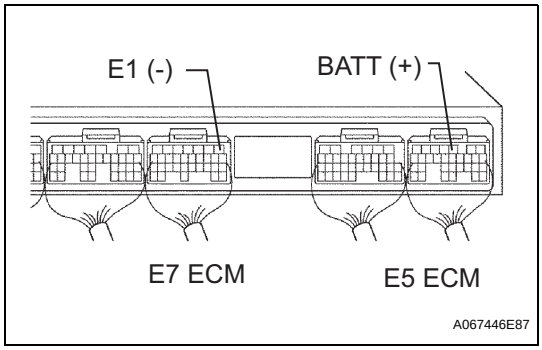


(a) Remove the EFI No. 1 fuse from the fusible link block.
(b) Measure the resistance of the EFI No. 1 fuse.
Standard resistance:
Below 1 Ω

NG → **REPLACE EFI NO. 1 FUSE**

OK

2	INSPECT ECM (BATT VOLTAGE)



(a) Measure the voltage of the ECM connectors.
Standard voltage

Tester Connection	Specified Condition
E5-3 (BATT) - E7-1 (E1)	9 to 14 V

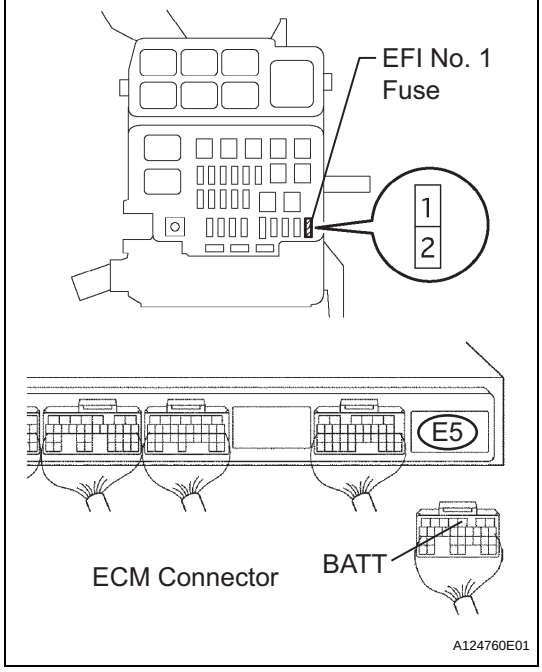
NG → **REPLACE ECM**

ES

OK

3	CHECK HARNESS AND CONNECTOR (ECM - EFI NO. 1 FUSE, EFI NO. 1 FUSE - BATTERY)

Fusible Link Block:



(a) Check the wire harness between the EFI No. 1 fuse and ECM.
(1) Remove the EFI No. 1 fuse from the fusible link block.
(2) Disconnect the E5 ECM connector.
(3) Measure the resistance of the wire harness side connectors.
Standard resistance

Tester Connection	Specified Condition
EFI No. 1 fuse terminal 2 - E5-3 (BATT)	Below 1 Ω
EFI No. 1 fuse terminal 2 or E5-3 (BATT) - Body ground	10 kΩ or higher

(b) Check the wire harness between the EFI No. 1 fuse and battery.
(1) Remove the EFI No. 1 fuse from the fusible link block.
(2) Disconnect the battery positive cable.
(3) Measure the resistance of the wire harness side connectors.
Standard resistance

Tester Connection	Specified Condition
Battery positive cable - EFI No. 1 fuse terminal 1	Below 1 Ω
Battery positive cable or EFI No. 1 fuse terminal 1 - Body ground	10 kΩ or higher

(c) Reconnect the ECM connector.
(d) Reinstall the EFI NO. 1 fuse.

NG → **REPAIR OR REPLACE HARNESS OR CONNECTOR**

OK

CHECK AND REPLACE FUSIBLE LINK BLOCK