Last Modified: 6-2-2008	5.1 C	**From:** 200601
Model Year: 2007	**Model:** Camry	**Doc ID:** RM000000T8P01PX
Title: 2GR-FE ENGINE CONTROL SYSTEM: SFI SYSTEM: P0560: System Voltage (2007 Camry)		

DTC	**P0560**	**System Voltage**

DESCRIPTION

The battery supplies electricity to the ECM even when the ignition switch is off. 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, these memories are 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 CONDITION	TROUBLE AREA
P0560	Open in ECM back-up power source circuit (1 trip detection logic)	• Open in back-up power source circuit • ECM

If DTC P0560 is set, the ECM does not store other DTCs.

MONITOR STRATEGY

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

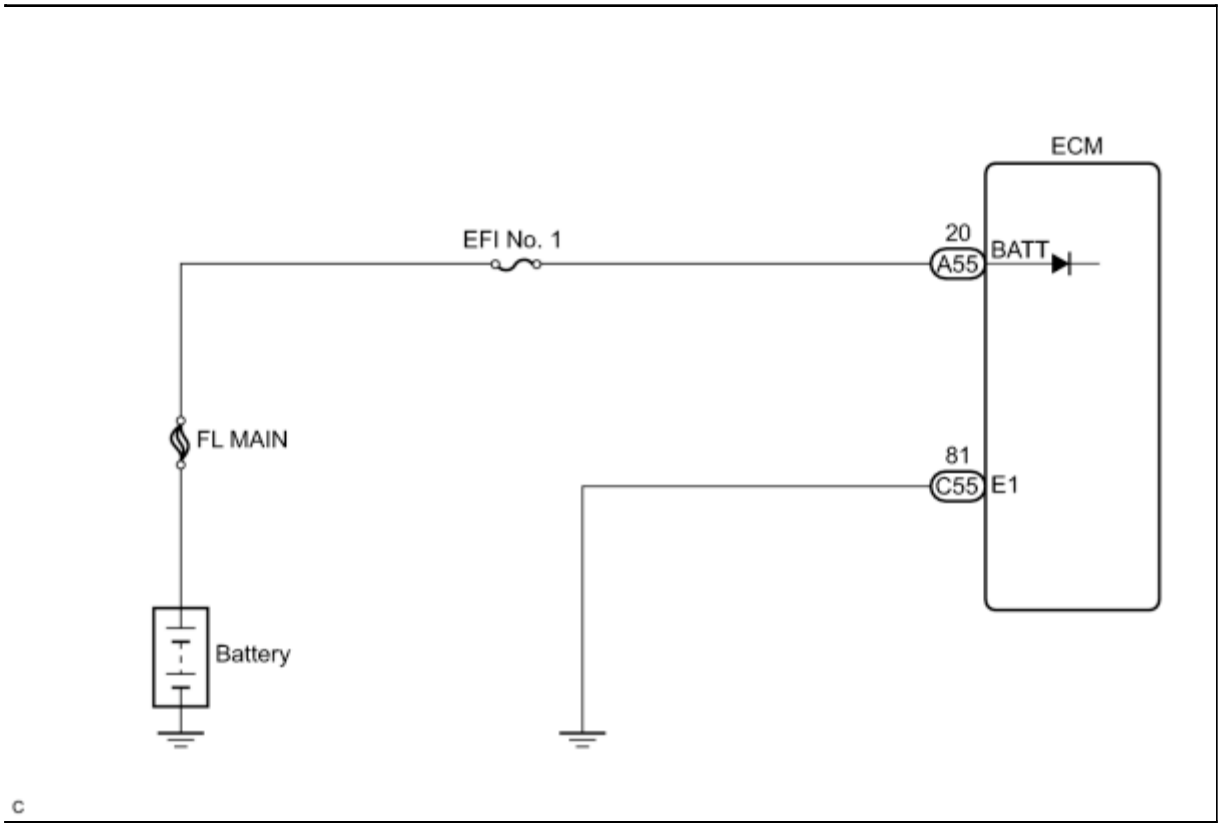
TYPICAL ENABLING CONDITIONS

Monitor runs whenever following DTCs are not present:	None
Stand-by RAM	Initialized

TYPICAL MALFUNCTION THRESHOLDS

ECM power source	Less than 3.5 V

WIRING DIAGRAM

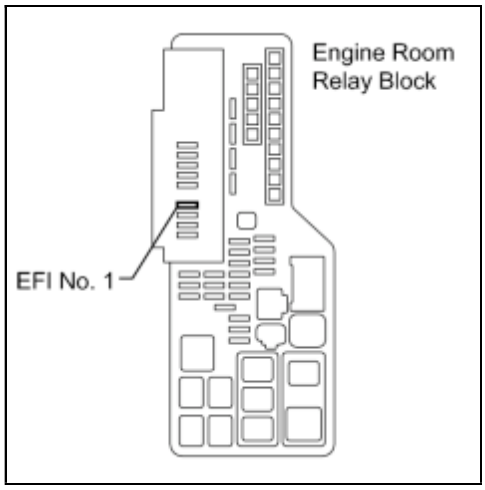


INSPECTION PROCEDURE

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 be helpful in determining whether the vehicle was running or stopped, whether the engine was warmed up or not, whether the air-fuel ratio was lean or rich, as well as other data recorded at the time of a malfunction INFO **.**

PROCEDURE

1.	**INSPECT FUSE (EFI NO. 1)**



(a) Remove the EFI No. 1 fuse from the engine room R/B.

(b) Measure the EFI No. 1 fuse resistance.

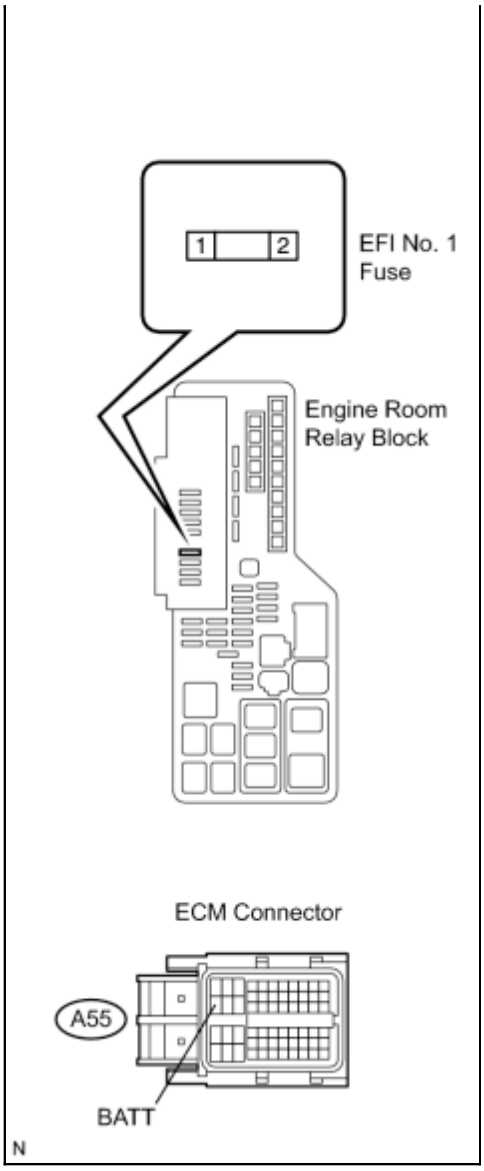
Standard resistance:
Below 1 Ω

(c) Reinstall the EFI No. 1 fuse.

NG ▶ **REPLACE EFI NO. 1 FUSE**

OK ▼

2.	**CHECK HARNESS AND CONNECTOR**



(a) Check the harness and connector between the EFI No. 1 fuse and ECM.

(1) Remove the EFI No. 1 fuse from the engine room R/B.

(2) Disconnect the A55 ECM connector.

(3) Measure the resistance between the terminals.

Standard resistance (Check for open):

TESTER CONNECTION	SPECIFIED CONDITION