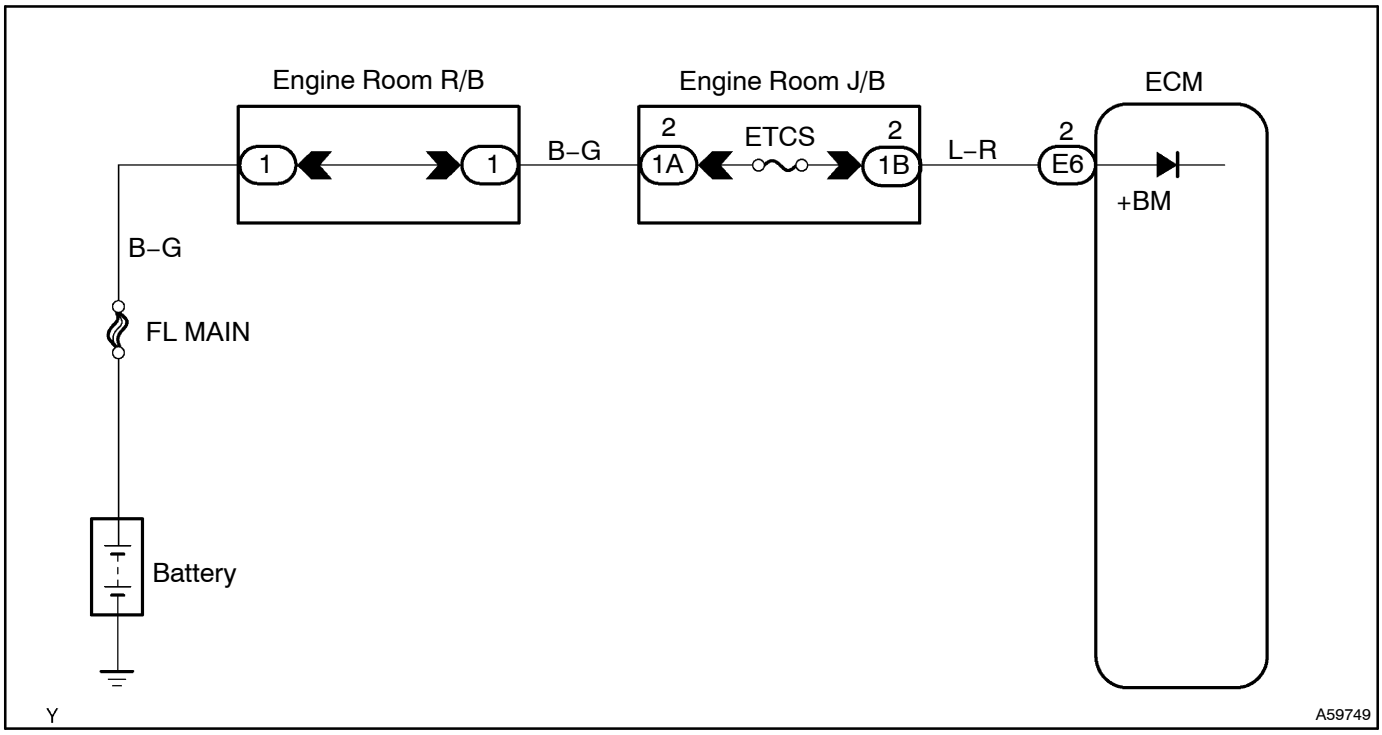
DTC	P1127/89	ETCS ACTUATOR POWER SOURCE CIRCUIT MALFUNCTION

CIRCUIT DESCRIPTION

Battery positive voltage is supplied to terminal +BM of the ECM even once when the ignition switch is OFF for the electric throttle control system. If this DTC is stored, the ECM shuts down the power for the throttle motor, and the throttle valve is fully closed by the return spring.

DTC No.	DTC Detection Condition	Trouble Area
P1127/89	Open in ETCS power source circuit	• Open in ETCS power source circuit • ECM

WIRING DIAGRAM

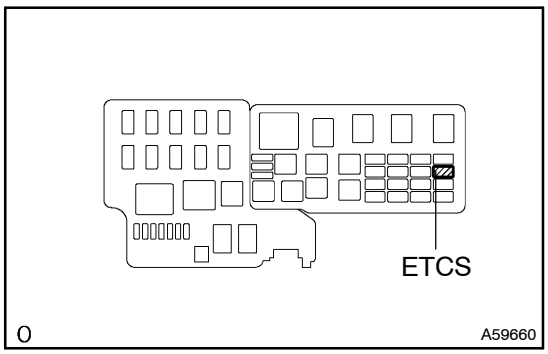


INSPECTION PROCEDURE

HINT:

Read freeze frame data using hand–held tester. Because freeze frame data records the engine conditions when the malfunction is detected. When troubleshooting, it is useful for determining whether the vehicle was running or stopped, the engine was warmed up or not, the air–fuel ratio was lean or rich, etc. at the time of the malfunction.

1	INSPECT FUSE(ETCS FUSE)

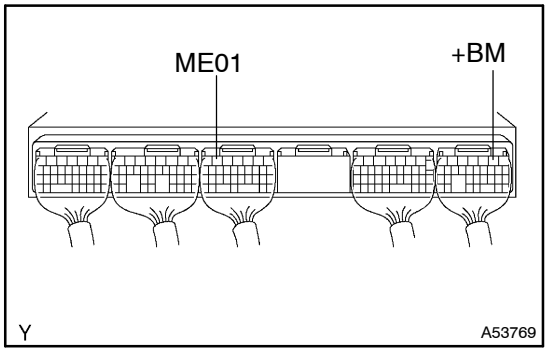


(a) Check the ETCS fuse continuity.

NG → REPLACE FUSE

OK

2	CHECK ECM(+BM – ME01)



(a) Measure the voltage between terminals +BM and ME01 of the ECM connectors.
Standard voltage: 9 – 14 V

OK → CHECK AND REPLACE ECM

NG

CHECK AND REPLACE HARNESS AND CONNECTOR