DTC	P1127/89	ETCS ACTUATOR POWER SOURCE CIRCUIT MALFUNCTION

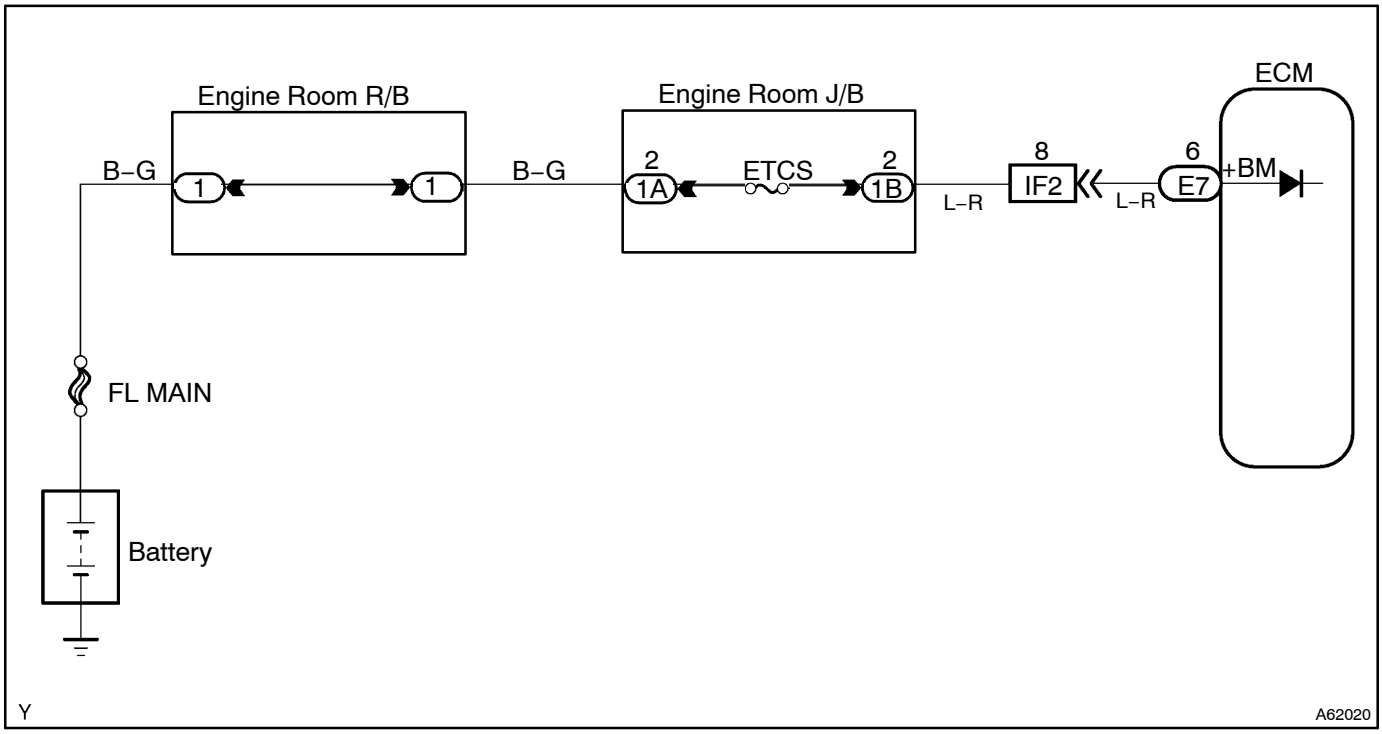
CIRCUIT DESCRIPTION

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

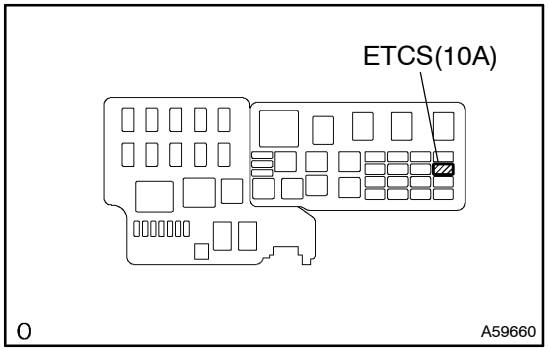
WIRING DIAGRAM



INSPECTION PROCEDURE

HINT:
Read freeze frame data using hand–held tester. Because freeze frame 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 ETCS FUSE

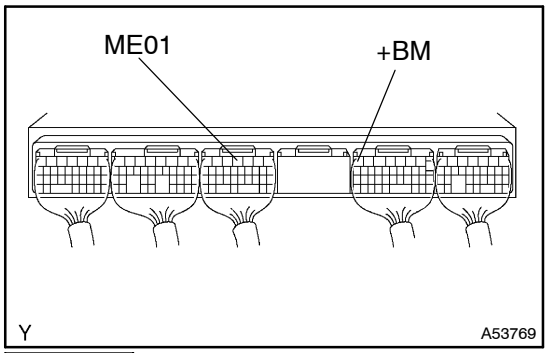


(a) Check the countinuity of the ETCS fuse.
Standard: Continuity

NG → **CHECK FOR SHORT IN ALL HARNESS TO ETCS FUSE**

OK

2	INSPECT ECM(+BM – ME01)



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

OK → **CHECK AND REPLACE ECM**

NG

CHECK AND REPLACE HARNESS AND CONNECTOR