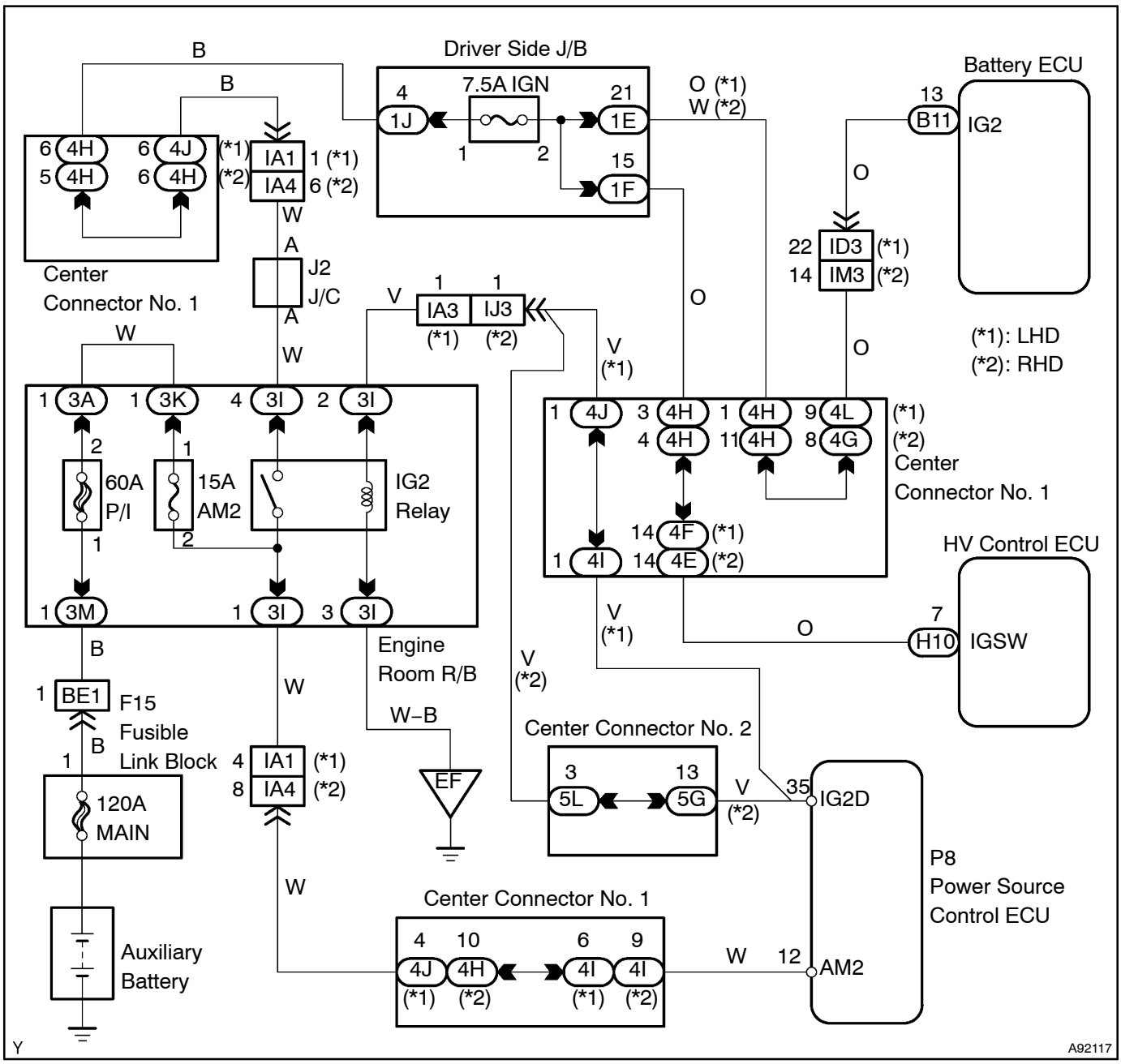
DTC P0A1F/593 BATTERY ENERGY CONTROL MODULE

CIRCUIT DESCRIPTION

The battery ECU transmits information on the IG2 voltage of the battery ECU to the HV control ECU via CAN communication.

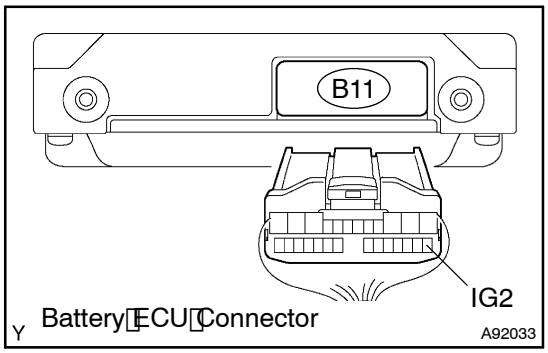
DTC No.	INF Code	DTC Detection Condition	Trouble Area
P0A1F	593	IG2 signal circuit of battery ECU malfunction	• Wire harness or connector • Battery ECU

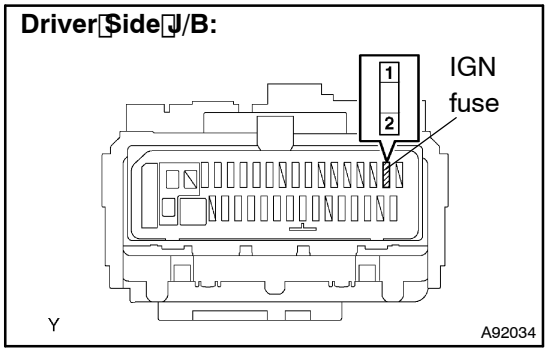
WIRING DIAGRAM



INSPECTION PROCEDURE

1	CHECK HARNESS AND CONNECTOR(BATTERY ECU – IGN FUSE)





(a) Disconnect the B11 battery ECU connector.
(b) Remove the IGN fuse from the driver side J/B.
(c) Check the resistance between the wire harness side connectors.

Standard (Check for open):

Tester Connection	Specified Condition
IG2 (B11–13) – IGN fuse (2)	Below 1 Ω

Standard (Check for short):

Tester Connection	Specified Condition
IG2 (B11–13) or IGN fuse (2) – Body ground	10 kΩ or higher

NOTICE:
When taking a measurement with a tester, do not apply excessive force to the tester probe to avoid damaging the holder.

(d) Reinstall the IGN fuse.
(e) Reconnect the battery ECU connector.

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

OK

REPLACE BATTERY ECU ASSY (See page 21–100)