DTC	P3107/213	LOST COMMUNICATION WITH AIRBAG SYSTEM CONTROL MODULE

DTC	P3107/214	LOST COMMUNICATION WITH AIRBAG SYSTEM CONTROL MODULE

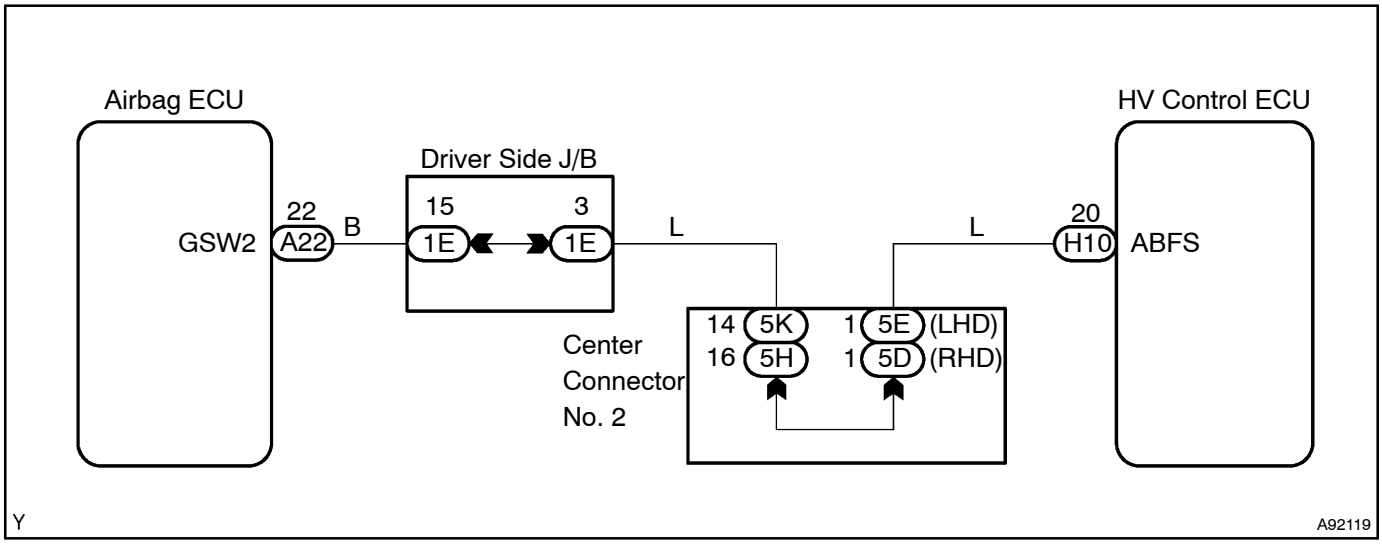
DTC	P3107/215	LOST COMMUNICATION WITH AIRBAG SYSTEM CONTROL MODULE

CIRCUIT DESCRIPTION

The HV control ECU detects a malfunction of the collision signal circuit from the airbag ECU and gives warning to the driver.

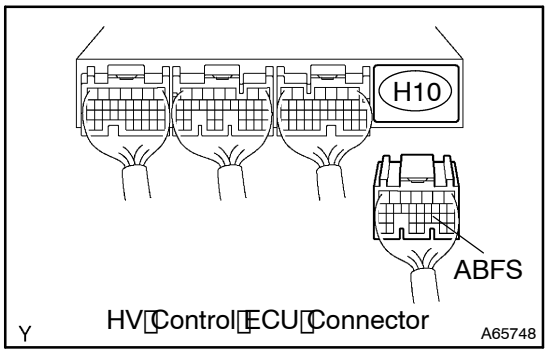
DTC No.	INF Code	DTC Detection Condition	Trouble Area
P3107	213	GND short in communication circuit between airbag ECU and HV control ECU	• Wire harness or connector • Airbag ECU
P3107	214	Open or +B short in communication circuit between airbag ECU and HV control ECU	• Wire harness or connector • Airbag ECU
P3107	215	Abnormal communication signals between airbag ECU and HV control ECU	• Wire harness or connector • Airbag ECU

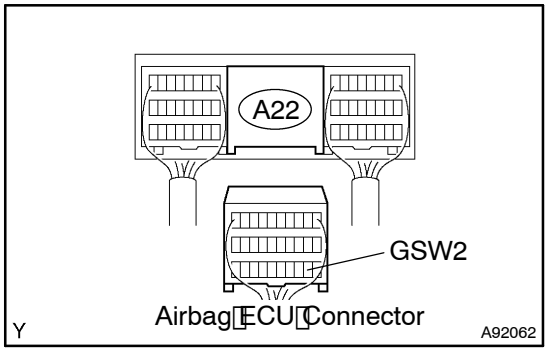
WIRING DIAGRAM



INSPECTION PROCEDURE

1	CHECK HARNESS AND CONNECTOR(HYBRID VEHICLE CONTROL ECU – AIRBAG ECU)





(a) Disconnect the H10 HV control ECU connector.
(b) Disconnect the A22 airbag ECU connector.
(c) Turn the power switch ON (IG).
(d) Measure the voltage between the terminal of the HV control ECU connector and body ground.

Standard:

Tester Connection	Specified Condition
ABFS (H10–20) – Body ground	Below 1 V

(e) Turn the power switch OFF.
(f) Check the resistance between the wire harness side connectors.

Standard (Check for open):

Tester Connection	Specified Condition
ABFS (H10–20) – GSW2 (A22–22)	Below 1 Ω

Standard (Check for short):

Tester Connection	Specified Condition
ABFS (H10–20) or GSW2 (A22–22) – Body ground	10 kΩ or higher

(g) Reconnect the airbag ECU connector.
(h) Reconnect the HV control ECU connector.

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

OK

REPLACE AIR BAG ECU ASSY (See page 60–54)