

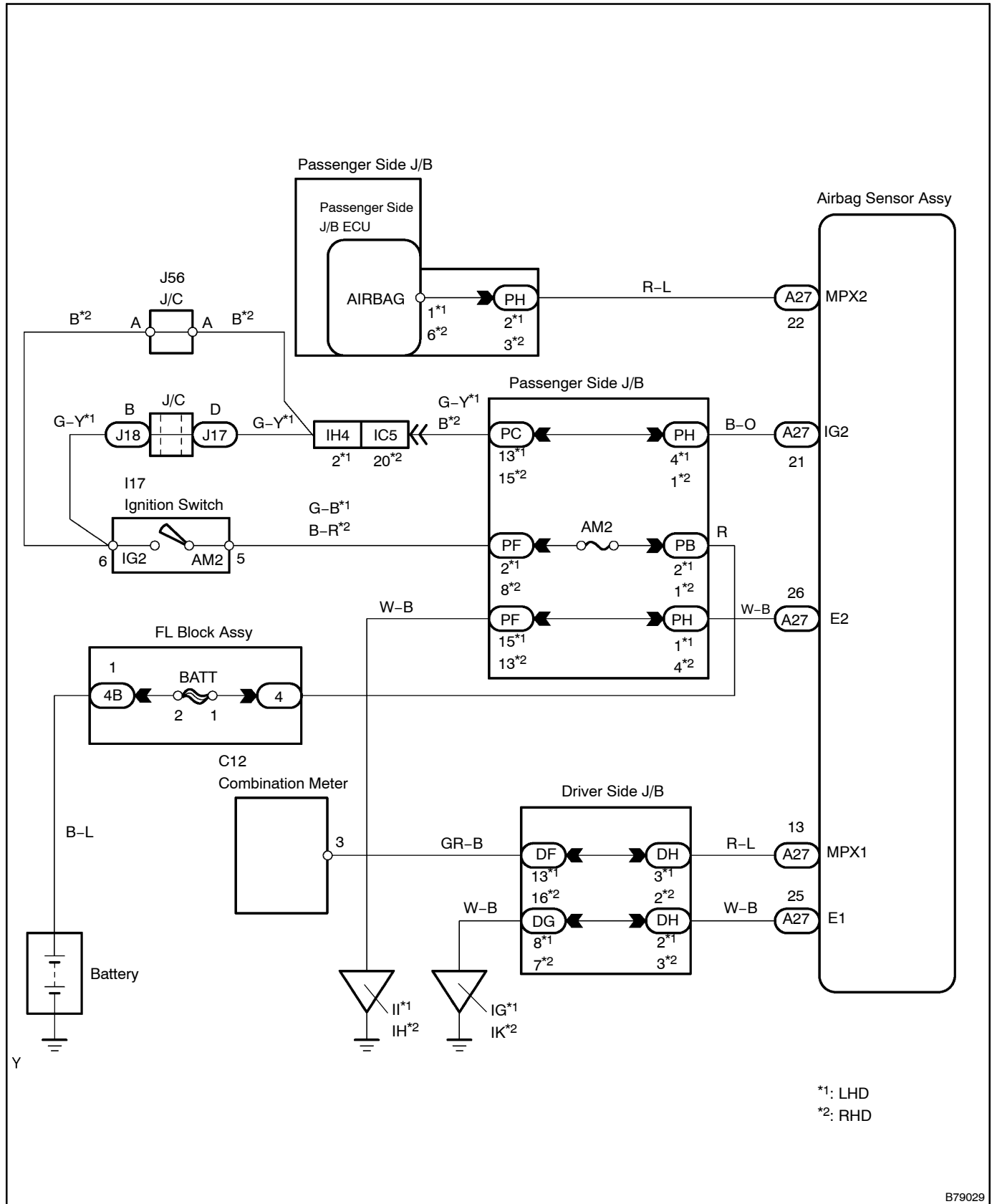
<b>DTC</b>	<b>B1281</b>	<b>AIRBAG ECU COMMUNICATION STOP</b>
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## CIRCUIT DESCRIPTION

This DTC is detected when communication between the airbag sensor assy (airbag ECU) and the gateway ECU stops for more than 10 seconds.

DTC No.	DTC Detection Condition	Trouble Area
B1281	Airbag ECU communication stops	<ul style="list-style-type: none"><li>• Airbag sensor assy</li><li>• Wire harness</li></ul>

## WIRING DIAGRAM



INSPECTION PROCEDURE

1 CHECK OPERATION

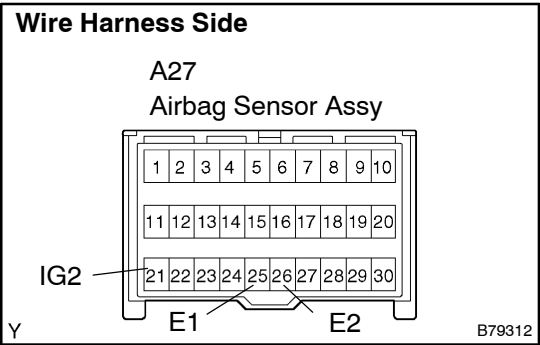
- (a) Start the engine and check that the SRS warning lamp on the combination meter turns off.  
**OK: SRS warning lamp on the combination meter turns off.**

**NG** Go to step 2

**OK**

REPLACE AIRBAG SENSOR ASSY

2 CHECK WIRE HARNESS (AIRBAG SENSOR ASSY - BODY GROUND)



- (a) Disconnect the A27 sensor connector.  
(b) Measure the resistance and voltage of the wire harness side connector.

**Standard:**

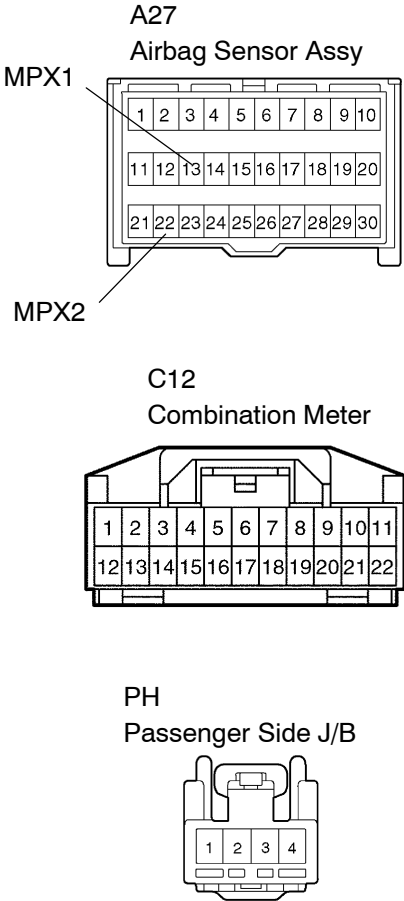
Tester Connection	Condition	Specified Condition
A27-21 (IG2) - Body ground	Ignition switch from OFF to ON	0V → 10 to 14 V
A27-26 (E2) - Body ground	Constant	Below 1 Ω
A27-25 (E1) - Body ground	Constant	Below 1 Ω

**NG** REPAIR OF REPLACE HARNESS AND CONNECTOR

**OK**

3 CHECK RESISTANCE OF COMMUNICATION LINE

Wire Harness Side



B80111

- (a) Disconnect the A27 sensor connector.
- (b) Disconnect the PH J/B connector.
- (c) Disconnect the C12 meter connector.
- (d) Measure the resistance between the wire harness side connectors.

Standard:

LHD models

Tester Connection	Specified Condition
A27-13 (MPX1) – C12-3	Below 1 Ω
A27-22 (MPX2) – PH-2	Below 1 Ω

RHD models

Tester Connection	Specified Condition
A27-13 (MPX1) – C12-3	Below 1 Ω
A27-22 (MPX2) – PH-3	Below 1 Ω

Result:

Result	Proceed to
Both are OK	A
One is OK	B
Both are NG	C

B

REPLACE AIRBAG SENSOR ASSY AND WIRE HARNESS CONNECTOR

C

REPAIR OR REPLACE HARNESS AND CONNECTOR

A

REPLACE AIRBAG SENSOR ASSY