

DTC	B1284	PASSENGER SIDE JUNCTION BLOCK ECU COMMUNICATON STOP
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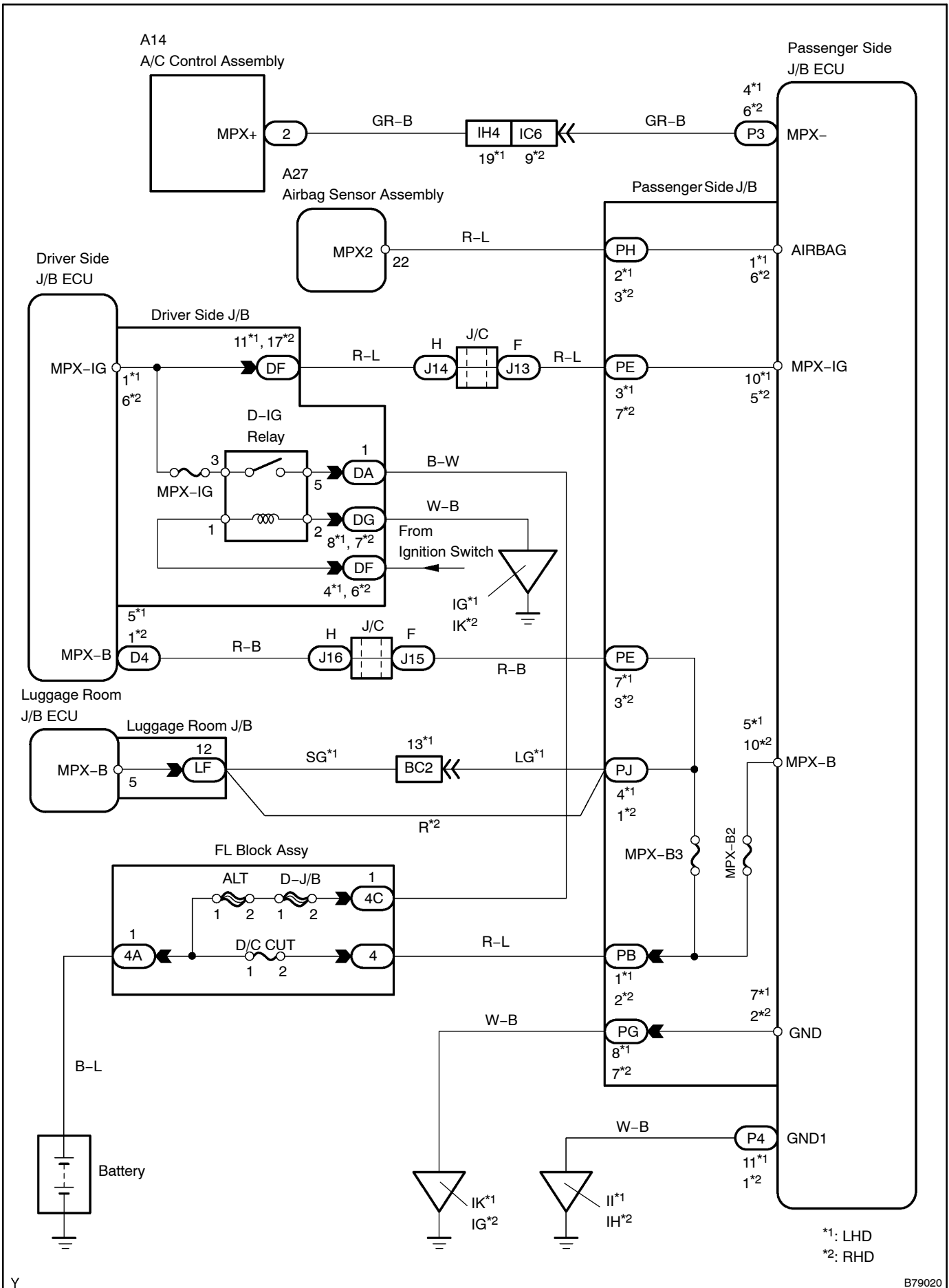
CIRCUIT DESCRIPTION

This DTC is detected when communication between the passenger side J/B ECU and gateway ECU stops for more 10 seconds.

DTC No.	DTC Detection Condition	Trouble Area
B1284	Passenger side J/B ECU communication stops	• Passenger side J/B ECU • Wire harness

WIRING DIAGRAM

The wiring diagram is shown on the next page.



INSPECTION PROCEDURE

1 INSPECT FUSE (MPX-B2, MPX-IG)

- Remove the MPX-B2 fuse from the passenger side J/B.
- Remove the MPX-IG fuse from the driver side J/B.
- Measure the resistance.

Standard: Below 1 Ω

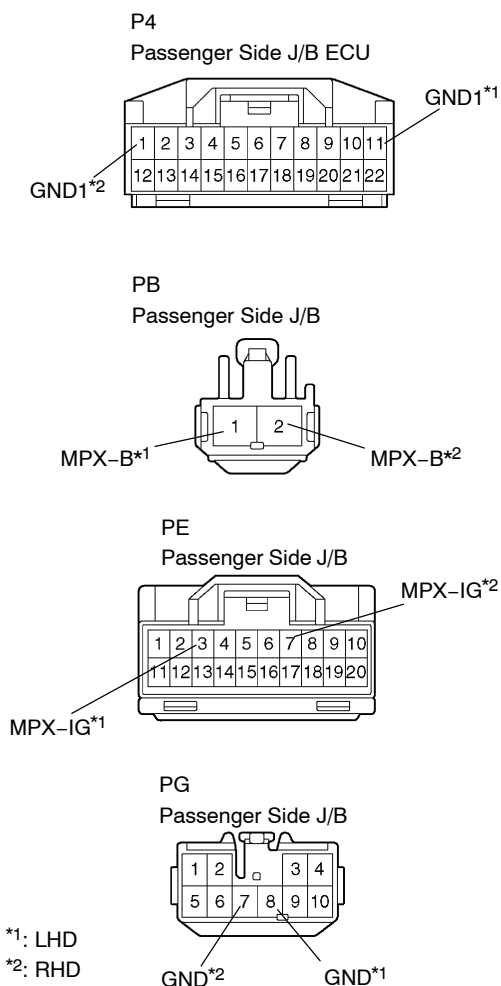
NG

REPLACE FUSE

OK

2 CHECK WIRE HARNESS (PASSENGER SIDE J/B ECU - BODY GROUND)

Wire Harness Side



- Disconnect the P4 ECU connector.
- Disconnect the PB, PE and PG J/B connectors.
- Measure the resistance and voltage between the wire harness side connector and body ground.

Standard:

LHD models

Tester Connection	Condition	Specified Condition
PB-1 (MPX-B) - Body ground	Constant	10 to 14 V
PE-3 (MPX-IG) - Body ground	Ignition Switch OFF → ON	0V → 10 to 14 V
PG-8 (GND) - Body ground	Constant	Below 1 Ω
P4-11 (GND1) - Body ground	Constant	Below 1 Ω

RHD models

Tester Connection	Condition	Specified Condition
PB-2 (MPX-B) - Body ground	Constant	10 to 14 V
PE-7 (MPX-IG) - Body ground	Ignition Switch OFF → ON	0V → 10 to 14 V
PG-7 (GND) - Body ground	Constant	Below 1 Ω
P4-1 (GND1) - Body ground	Constant	Below 1 Ω

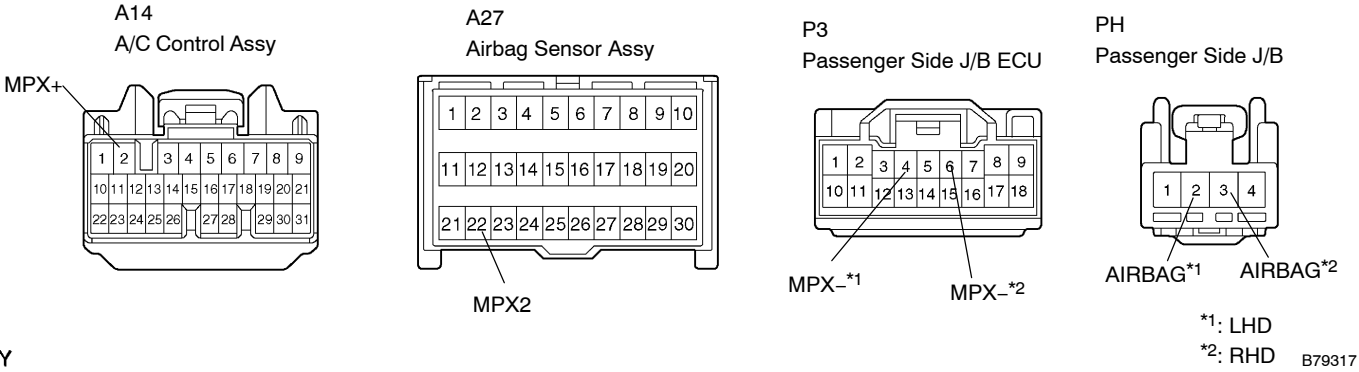
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REPAIR OR REPLACE HARNESS AND CONNECTOR

OK

3 CHECK RESISTANCE OF COMMUNICATION LINE

Wire Harness Side



- (a) Disconnect the P3 ECU connector.
(b) Disconnect the PH J/B connector.
(c) Disconnect the A27 sensor connector.
(d) Disconnect the A14 A/C control connector.
(e) Measure the resistance between the wire harness side connectors.

Standard:

LHD models

Tester Connection	Specified Condition
P3-4 (MPX-) - A14-2 (MPX+)	Below 1 Ω
PH-2 (AIRBAG) - A27-22 (MPX2)	Below 1 Ω

RHD models

Tester Connection	Specified Condition
P3-6 (MPX-) - A14-2 (MPX+)	Below 1 Ω
PH-3 (AIRBAG) - A27-22 (MPX2)	Below 1 Ω

Result:

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

B

REPLACE PASSENGER SIDE J/B ECU AND REPAIR OR REPLACE HARNESS AND CONNECTOR

C

REPAIR OR REPLACE HARNESS AND CONNECTOR

A

REPLACE PASSENGER SIDE J/B ECU