

DTC	B1283	DRIVER SIDE JUNCTION BLOCK ECU COMMUNICATION STOP
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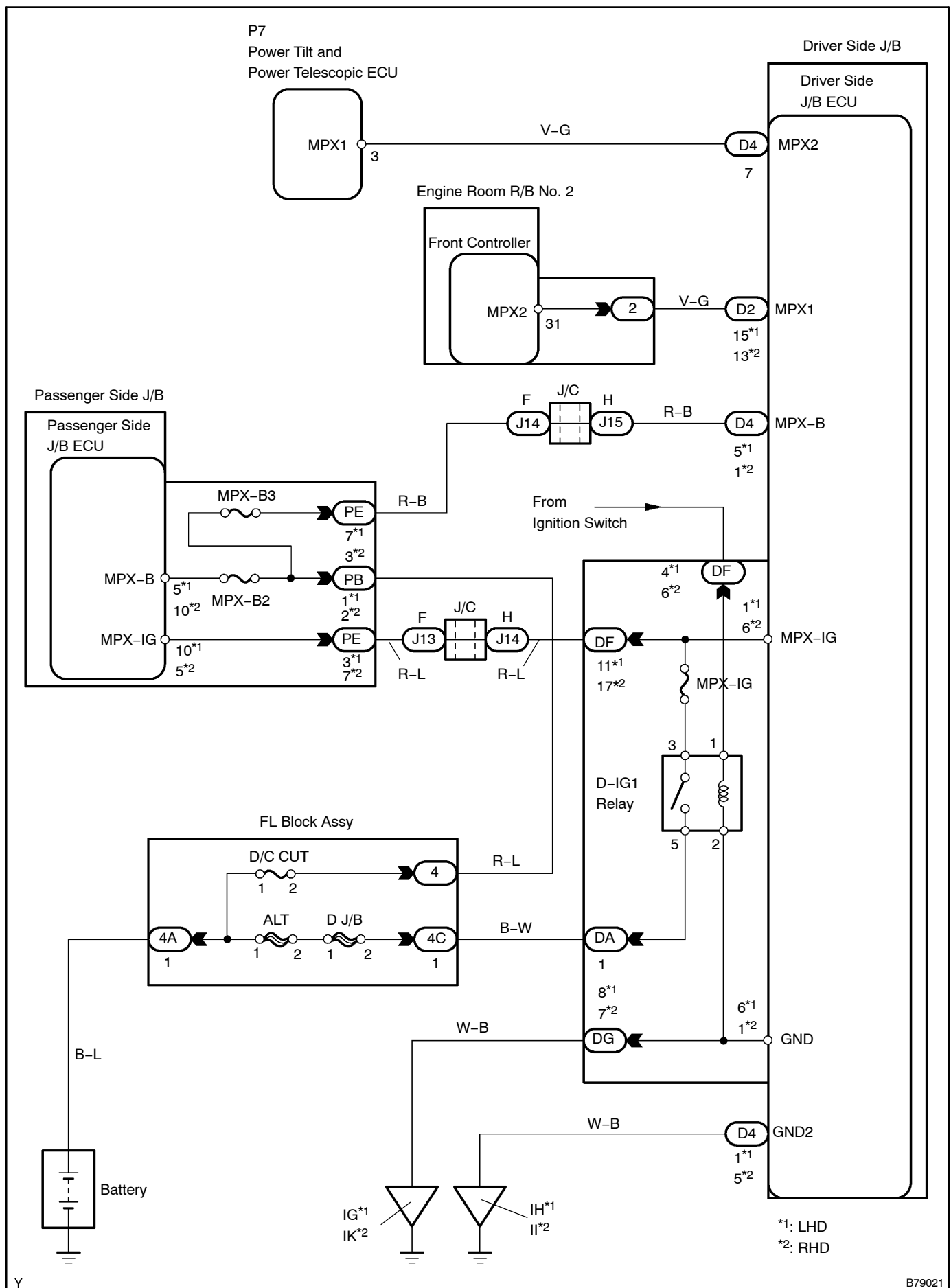
CIRCUIT DESCRIPTION

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

DTC No.	DTC Detection Condition	Trouble Area
B1283	Driver side J/B ECU communication stops	• Driver side J/B ECU • Wire harness

WIRING DIAGRAM

The wiring diagram is shown on the next page.



INSPECTION PROCEDURE

1 INSPECT FUSE (MPX-IG, MPX-B3)

- Remove the MPX-IG and MPX-B3 fuses from the passenger side J/B.
- Measure the resistance.

Standard: Below 1 Ω

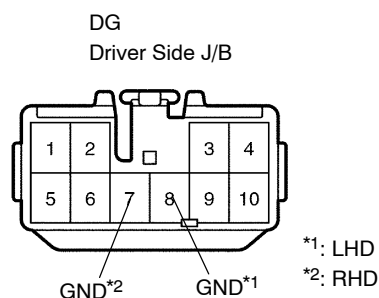
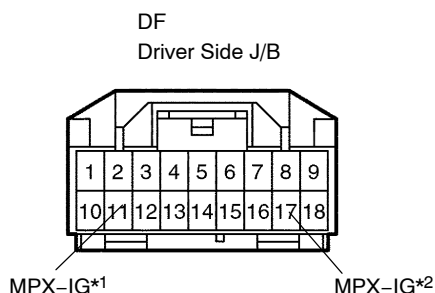
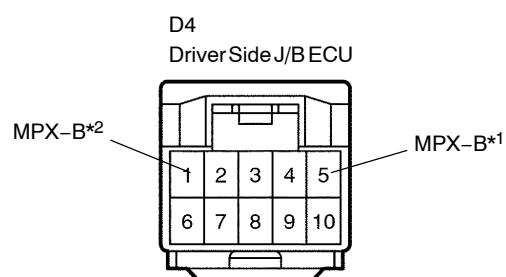
NG

REPLACE FUSE

OK

2 CHECK WIRE HARNESS (DRIVER SIDE JUNCTION BLOCK ASSY - BODY GROUND)

Wire Harness Side



B79517
B79240

B79906

- Disconnect the D4 ECU connector.
- Disconnect the DF and DG J/B connectors.
- Measure the voltage and resistance between the wire harness side connectors and body ground.

Standard:

LHD models

Tester Connection	Condition	Specified Condition
D4-5 (MPX-B) - Body ground	Constant	10 to 14 V
DG-8 (GND) - Body ground	Constant	Below 1 Ω
DF-11 (MPX-IG) - Body ground	Ignition Switch OFF $\rightarrow$ ON	0V $\rightarrow$ 10 to 14 V
D4-1 (GND2) - Body ground	Constant	Below 1 Ω

RHD models

Tester Connection	Condition	Specified Condition
D4-1 (MPX-B) - Body ground	Constant	10 to 14 V
DG-7 (GND) - Body ground	Constant	Below 1 Ω
DF-17 (MPX-IG) - Body ground	Ignition Switch OFF $\rightarrow$ ON	0V $\rightarrow$ 10 to 14 V
D4-5 (GND2) - Body ground	Constant	Below 1 Ω

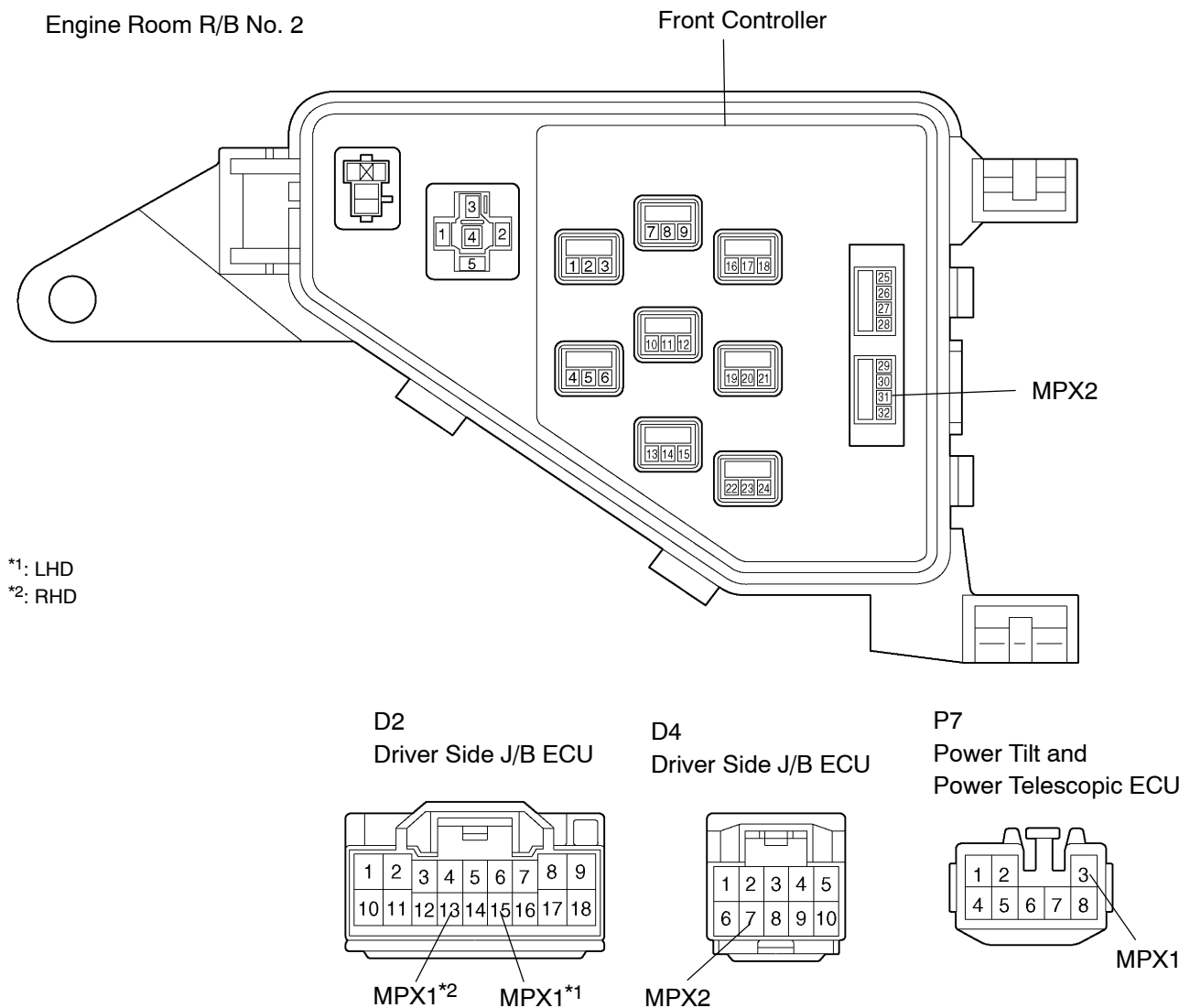
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REPAIR OR REPLACE HARNESS AND CONNECTOR

OK

3 CHECK RESISTANCE OF COMMUNICATION LINE

Wire Harness Side



B80112

- Disconnect the D2, D4 and P7 ECU connectors.
- Disconnect the 2 R/B connector.
- Measure the resistance between the wire harness side connectors.

Standard:**LHD models**

Tester Connection	Specified Condition
D4-7 (MPX2) – P7-3 (MPX1)	Below 1 Ω
D2-15 (MPX1) – 2-31 (MPX2)	Below 1 Ω

RHD models

Tester Connection	Specified Condition
D4-7 (MPX2) – P7-3 (MPX1)	Below 1 Ω
D2-13 (MPX1) – 2-31 (MPX2)	Below 1 Ω

Result:

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

B**REPLACE DRIVER SIDE JUNCTION BLOCK
AND WIRE HARNESS CONNECTOR****C****REPAIR OR REPLACE HARNESS AND
CONNECTOR****A****REPLACE DRIVER SIDE JUNCTION BLOCK**