DTC	B1283	DRIVER SIDE JUNCTION BLOCK ECU COMMUNICATION STOP

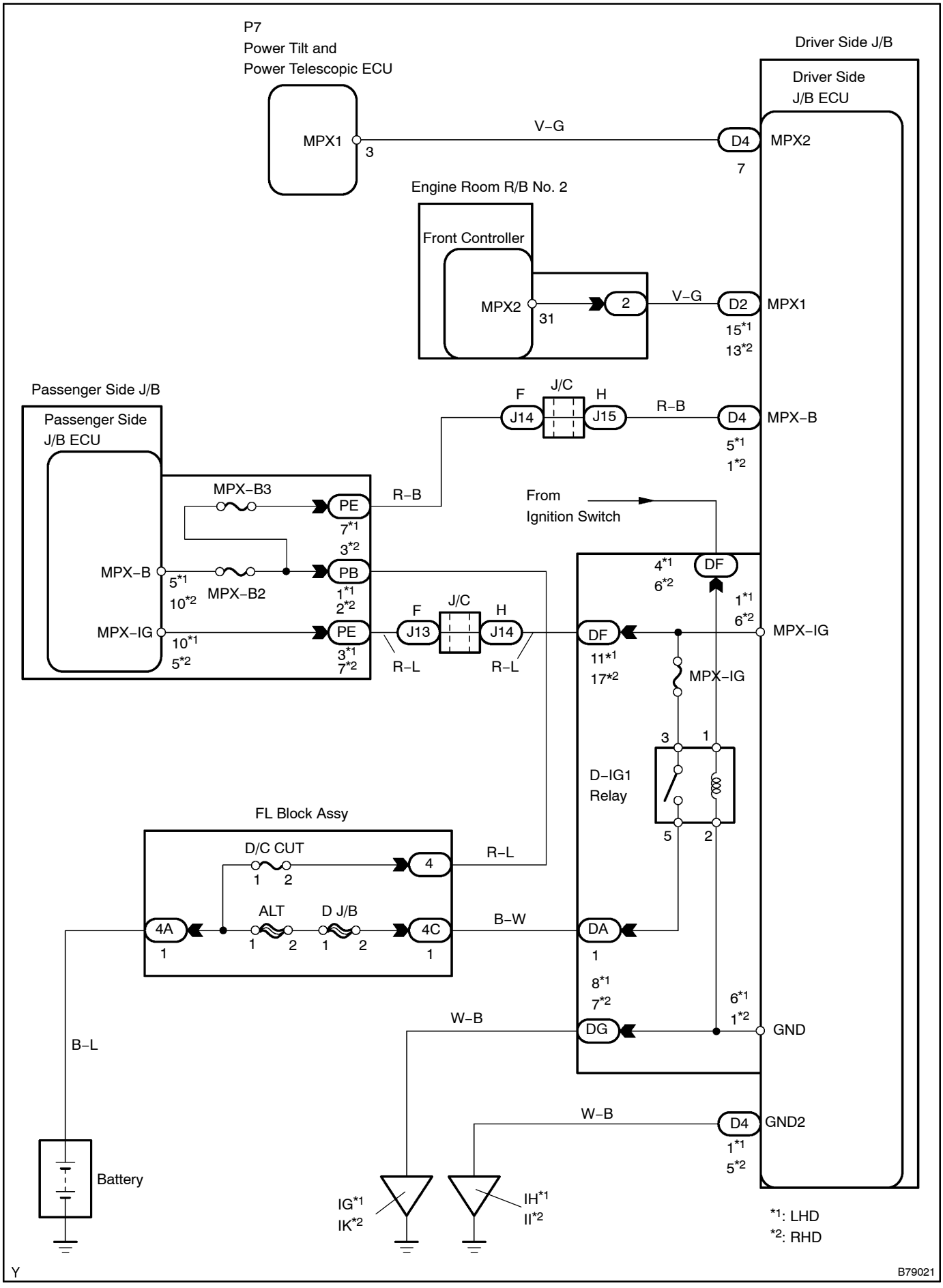
CIRCUIT DESCRIPTION

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.


P7
Power Tilt and
Power Telescopic ECU
MPX1
3
V–G
Driver Side J/B
Driver Side
J/B ECU
D4
7
MPX2
Engine Room R/B No. 2
Front Controller
MPX2
31
2
V–G
D2
15*1
13*2
MPX1
Passenger Side J/B
Passenger Side
J/B ECU
F
J/C
H
J14
J15
R–B
D4
5*1
1*2
MPX–B
MPX–B3
PE
7*1
3*2
R–B
From
Ignition Switch
MPX–B
5*1
10*2
MPX–B2
PB
1*1
2*2
4*1
6*2
DF
1*1
6*2
MPX–IG
MPX–IG
10*1
5*2
PE
3*1
7*2
F
J/C
H
J13
J14
R–L
R–L
DF
11*1
17*2
MPX–IG
3
1
D–IG1
Relay
5
2
FL Block Assy
D/C CUT
1
2
4
R–L
ALT
D J/B
4A
1
1
2
1
2
4C
1
B–W
DA
1
8*1
7*2
6*1
1*2
W–B
DG
GND
B–L
W–B
D4
1*1
5*2
GND2
Battery
IG*1
IK*2
IH*1
II*2
*1: LHD
*2: RHD
Y
B79021

INSPECTION PROCEDURE

1	INSPECT FUSE (MPX–IG, MPX–B3)

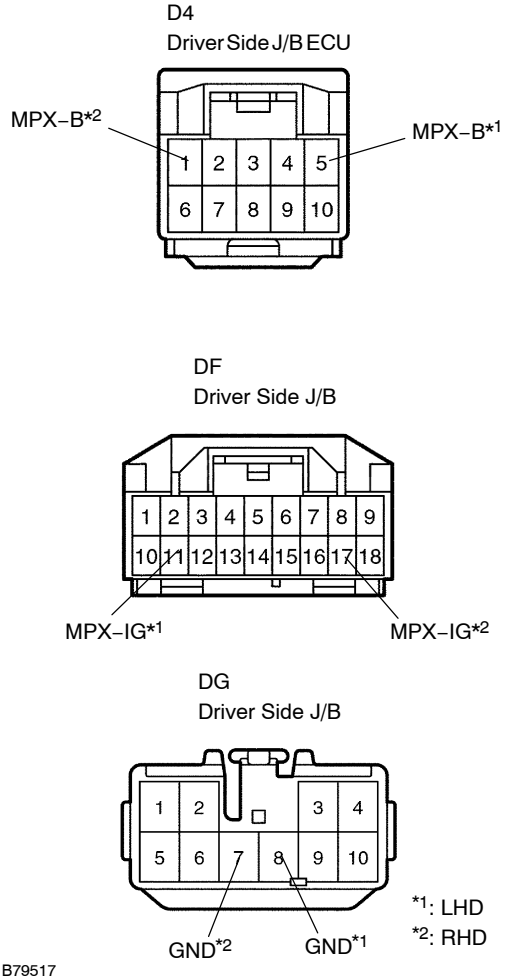
(a) Remove the MPX–IG and MPX–B3 fuses from the passenger side J/B.
(b) Measure the resistance.
Standard: Below 1 Ω

NG → **REPLACE FUSE**

OK

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

Wire Harness Side



(a) Disconnect the D4 ECU connector.
(b) Disconnect the DF and DG J/B connectors.
(c) 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 → ON	0V → 10 to 14 V
D4–1 (GND2) – Body ground	Constant	Below 1 Ω

RHD models

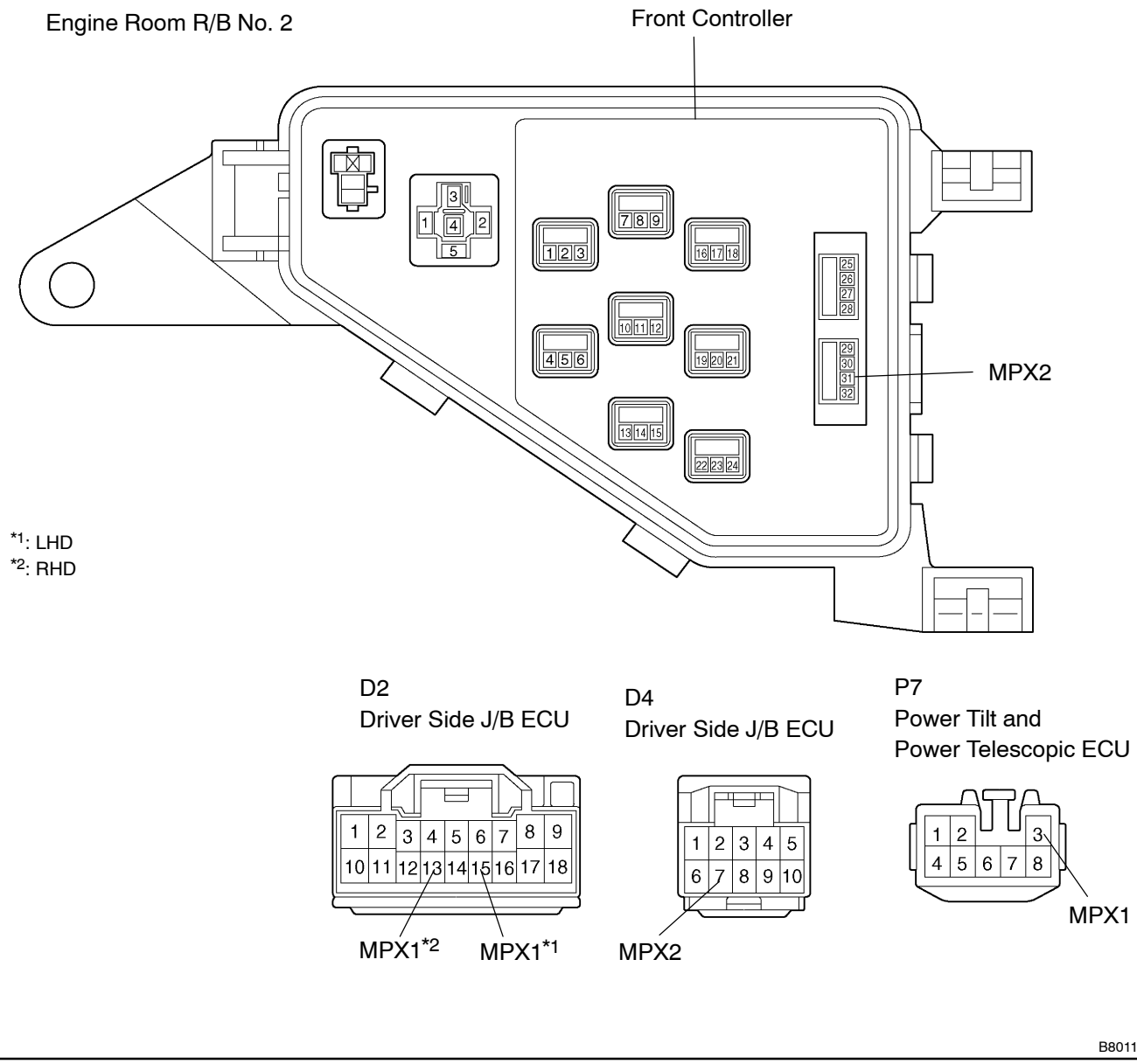
Tester Connection	Condition	Specified Condition
D4–1 (MPX–B) – Body ground	Constant	10 to 14 V
DG–7 (GND) – Body ground	Constant	Below 1 Ω
DF–17 (MPX–IG) – Body ground	Ignition Switch OFF → ON	0V → 10 to 14 V
D4–5 (GND2) – Body ground	Constant	Below 1 Ω

NG → **REPAIR OF REPLACE HARNESS AND CONNECTOR**

OK

3 CHECK RESISTANCE OF COMMUNICATION LINE

Wire Harness Side



(a) Disconnect the D2, D4 and P7 ECU connectors.
(b) Disconnect the 2 R/B connector.
(c) 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