DTC	B1299	REAR LH SEAT ECU COMMUNICATION STOP

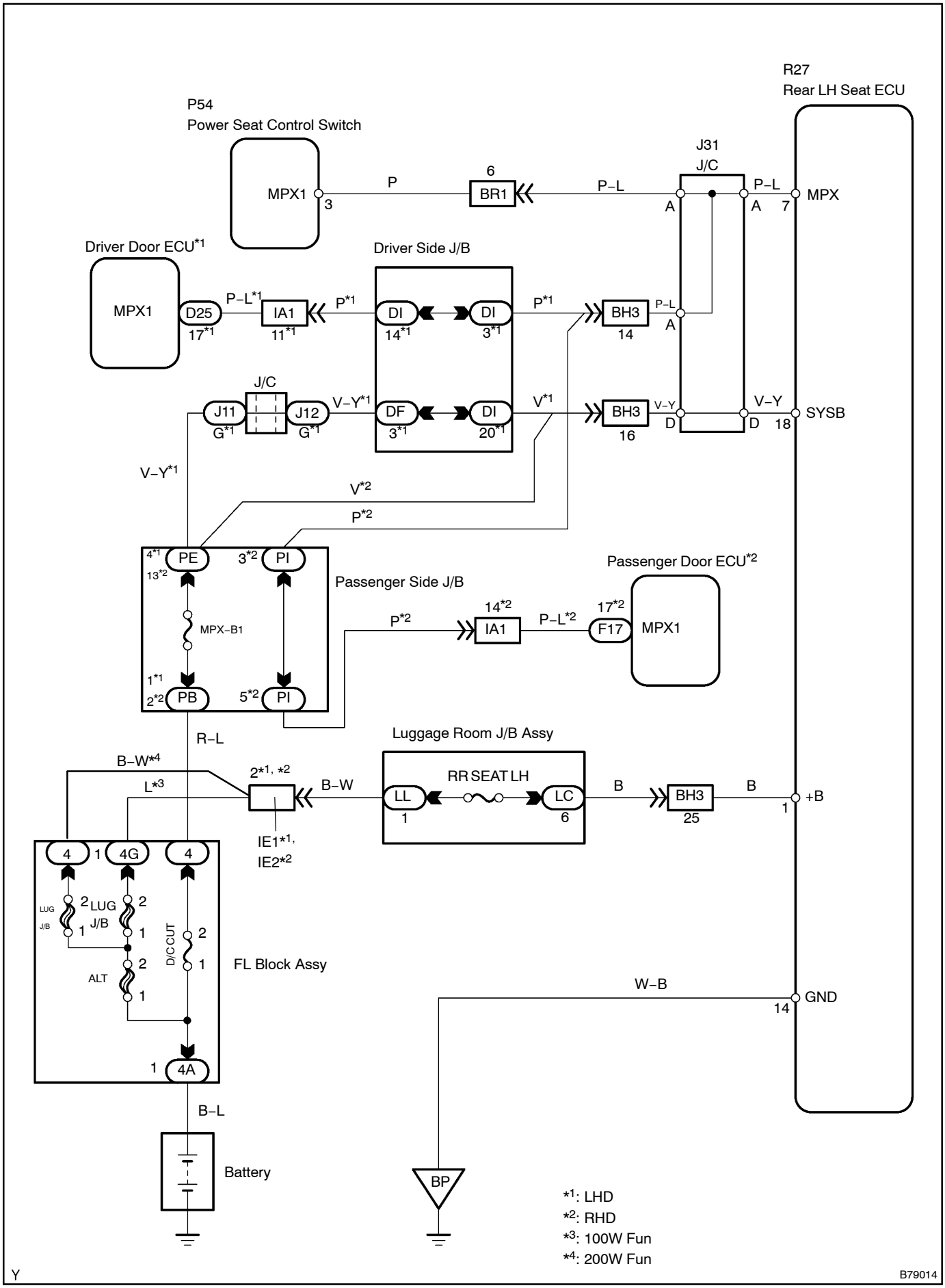
CIRCUIT DESCRIPTION

This DTC is detected when communication between the rear LH seat ECU and gateway ECU stops for more than 10 seconds.

DTC No.	DTC Detection Condition	Trouble Area
B1299	Rear LH seat ECU communication stops	• Rear LH seat ECU • Wire harness

WIRING DIAGRAM

The wiring diagram is shown on the next page.


R27
Rear LH Seat ECU
P54
Power Seat Control Switch
MPX1
3
P
6
BR1
P–L
J31
J/C
A
P–L
A
7
MPX
Driver Door ECU*1
MPX1
D25
17*1
P–L*1
IA1
11*1
P*1
Driver Side J/B
DI
14*1
DI
3*1
P*1
BH3
14
P–L
A
J/C
J11
G*1
J12
G*1
V–Y*1
DF
3*1
DI
20*1
V*1
BH3
16
V–Y
D
V–Y
D
18
SYSB
V–Y*1
V*2
P*2
4*1
13*2
PE
3*2
PI
MPX–B1
1*1
2*2
PB
5*2
PI
Passenger Side J/B
Passenger Door ECU*2
P*2
14*2
IA1
P–L*2
17*2
F17
MPX1
R–L
B–W*4
L*3
2*1, *2
B–W
Luggage Room J/B Assy
RR SEAT LH
LL
1
LC
6
B
BH3
25
B
1
+B
IE1*1,
IE2*2
4
1
4G
4
LUG
J/B
2
LUG
J/B
2
1
2
1
ALT
2
1
D/C CUT
2
1
FL Block Assy
1
4A
B–L
Battery
W–B
14
GND
BP
*1: LHD
*2: RHD
*3: 100W Fun
*4: 200W Fun
Y
B79014

INSPECTION PROCEDURE

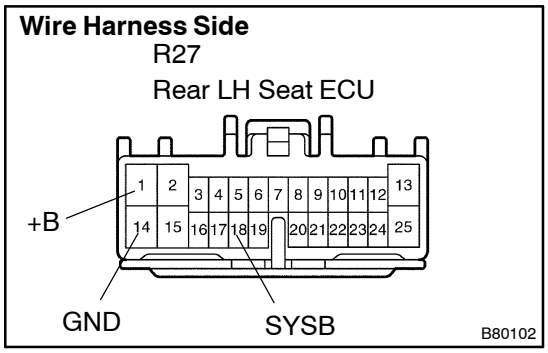
1	INSPECT FUSE (RR SEAT LH)

(a) Remove the RR SEAT LH fuse from the luggage room J/B.
(b) Measure the resistance.
Standard: Below 1 Ω

NG → **REPLACE FUSE**

OK

2	CHECK WIRE HARNESS (REAR LH SEAT ECU – BODY GROUND)



(a) Disconnect the R27 ECU connector.
(b) Measure the resistance of the wire harness side connector.
Standard:

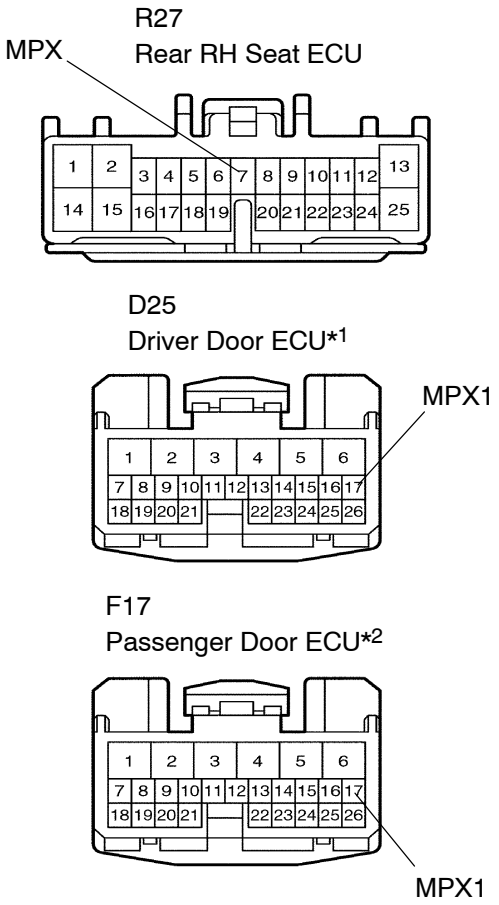
Tester Connection	Specified Condition
R27–18 (SYSB) – Body ground	10 to 14 V
R27–1 (+B) – Body ground	10 to 14 V
R27–14 (GND) – Body ground	Below 1 Ω

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

OK

3 CHECK RESISTANCE OF COMMUNICATION LINE

Wire Harness Side



*1: LHD
*2: RHD

(a) Disconnect the R27 ECU connector.
(b) Disconnect the D25*1 or F17*2 ECU connector.
(c) Measure the resistance between the wire harness side connectors.

Standard:

LHD models

Tester Connection	Specified Condition
R27–7 (MPX) – D25–17 (MPX1)	Below 1 Ω

RHD models

Tester Connection	Specified Condition
R27–7 (MPX) – F171–7 (MPX1)	Below 1 Ω

*1: LHD
*2: RHD

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

OK →

REPLACE REAR LH SEAT ECU