DTC	B1298	REAR RH SEAT ECU COMMUNICATION STOP

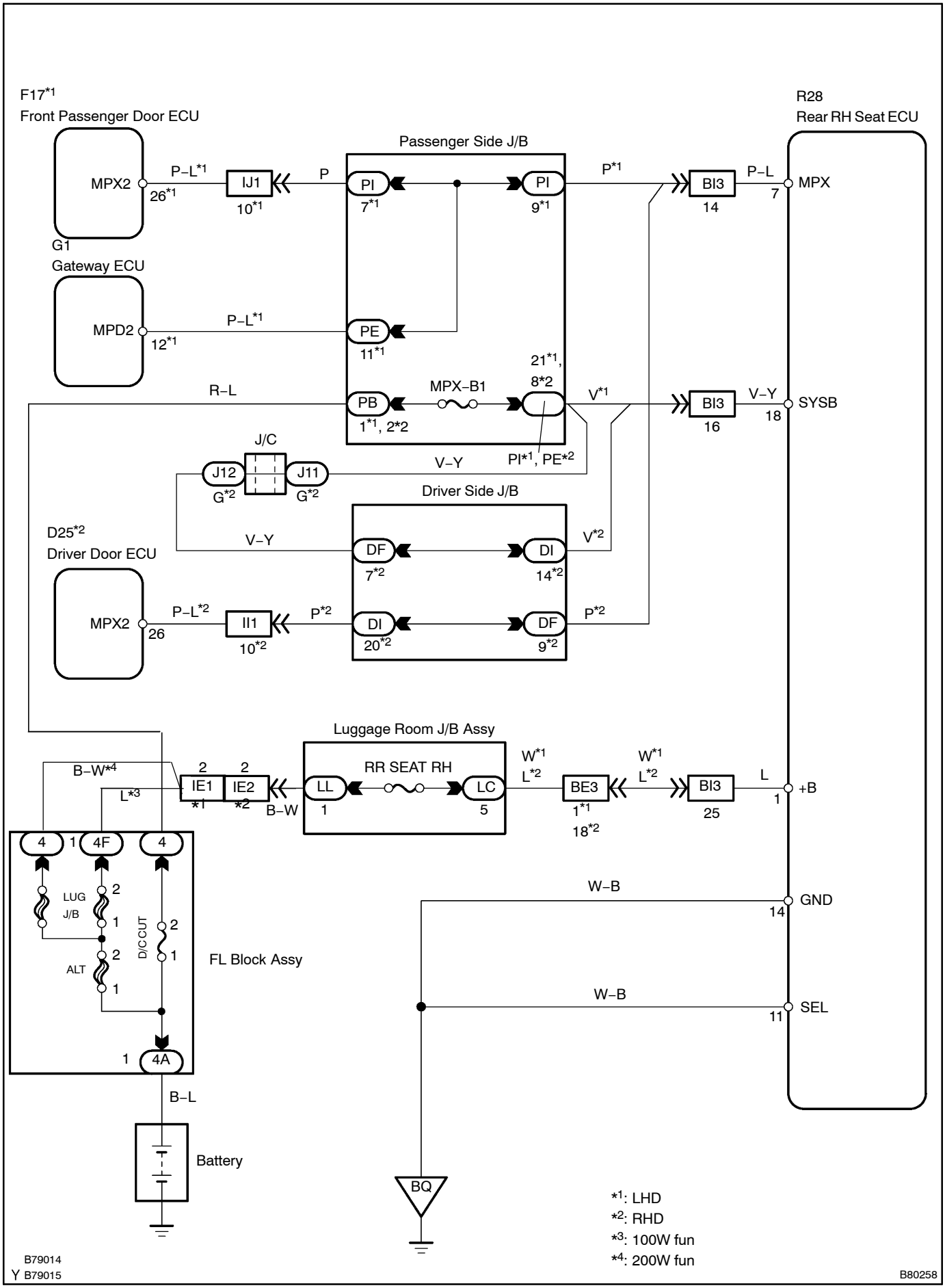
CIRCUIT DESCRIPTION

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

DTC No.	DTC Detection Condition	Trouble Area
B1298	Rear RH seat ECU communication stops	• Rear RH seat ECU • Wire harness

WIRING DIAGRAM

The wiring diagram is shown on the next page.


F17*1
Front Passenger Door ECU
MPX2
26*1
P–L*1
IJ1
10*1
P
Passenger Side J/B
PI
7*1
PI
9*1
P*1
BI3
14
P–L
7
R28
Rear RH Seat ECU
MPX
G1
Gateway ECU
MPD2
12*1
P–L*1
PE
11*1
21*1,
8*2
R–L
MPX–B1
PB
1*1, 2*2
V*1
BI3
16
V–Y
18
SYSB
J/C
J12
G*2
J11
G*2
V–Y
PI*1, PE*2
Driver Side J/B
D25*2
Driver Door ECU
V–Y
DF
7*2
DI
14*2
V*2
MPX2
26
P–L*2
II1
10*2
P*2
DI
20*2
DF
9*2
P*2
Luggage Room J/B Assy
B–W*4
L*3
2
IE1
*1
2
IE2
*2
B–W
LL
1
RR SEAT RH
LC
5
W*1
L*2
BE3
1*1
18*2
W*1
L*2
BI3
25
L
1
+B
4
1
4F
4
LUG
J/B
2
1
2
1
D/C CUT
ALT
2
1
2
1
FL Block Assy
1
4A
B–L
Battery
W–B
GND
14
W–B
SEL
11
BQ
*1: LHD
*2: RHD
*3: 100W fun
*4: 200W fun
B79014
Y B79015
B80258

INSPECTION PROCEDURE

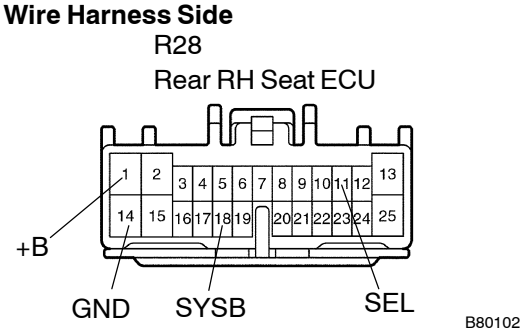
1	CHECK FUSE (MPX–B1, RR SEAT RH, D/C CUT)

(a) Remove the MPX–B1 fuse from the passenger side J/B.
(b) Remove the RR SEAT RH fuse from the luggage room J/B.
(c) Remove the D/C CUT fuse from the FL Block Assy.
(d) Measure the resistance.
Standard: Below 1 Ω

NG → **REPLACE FUSE**

OK

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



(a) Disconnect the R28 ECU connector.
(b) Measure the resistance between the wire harness side connectors.
Standard:

Tester Connection	Specified Condition
R28–18 (SYSB) – Body ground	10 to 14 V
R28–1 (+B) – Body ground	10 to 14 V
R28–11 (SEL) – Body ground	Below 1 Ω
R28–14 (GND) – Body ground	Below 1 Ω

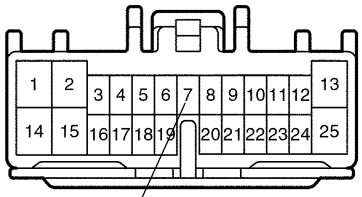
NG → **REPAIR OR REPLACE HARNESS AND CONNECTOR**

OK

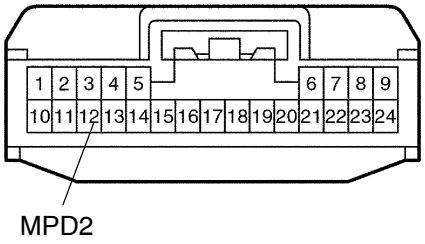
3 CHECK RESISTANCE OF COMMUNICATION LINE

Wire Harness Side

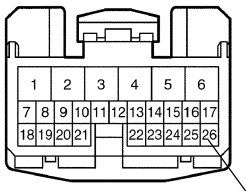
R28
Rear RH Seat ECU



G1*1
Gateway ECU



D25*2
Driver Door ECU



*1: LHD
*2: RHD

B80103

(a) Disconnect the R28 ECU connectors.
(b) Disconnect the G1*1 or D25*2 ECU connector.
(c) Measure the resistance between the wire harness side connectors.

Standard:

LHD models

Tester Connection	Specified Condition
R28–7 (MPX) – G1–12 (MPD2)	Below 1 Ω

RHD models

Tester Connection	Specified Condition
R28–7 (MPX) – D25–26 (MPX2)	Below 1 Ω

*1: LHD
*2: RHD

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

OK

REPLACE REAR RH SEAT ECU