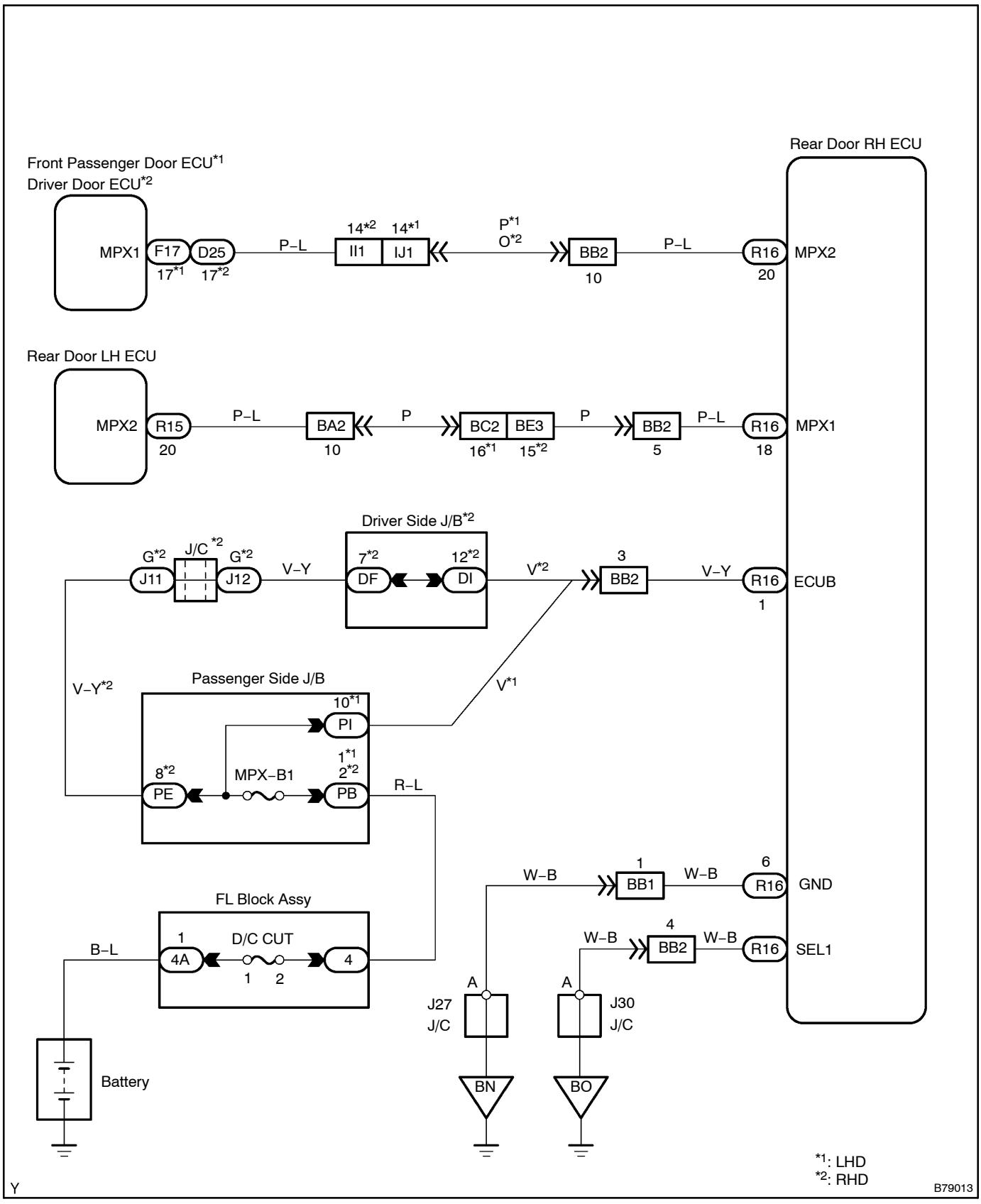
DTC	B1216	REAR DOOR RH ECU COMMUNICATION STOP

CIRCUIT DESCRIPTION

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

DTC No.	DTC Detection Condition	Trouble Area
B1216	Rear door RH ECU communication stops	• Rear door RH ECU • Wire harness

WIRING DIAGRAM



INSPECTION PROCEDURE

1	CHECK OPERATION

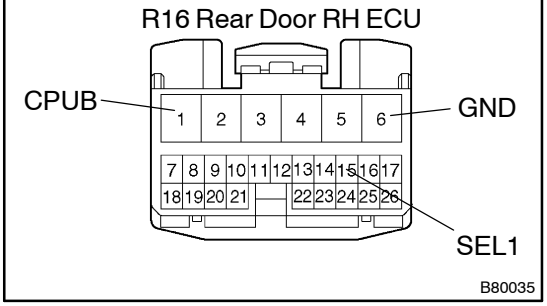
(a) Open the rear door RH and check that the door warning lamp (built in combination meter) lights up.
OK: Door warning lamp lights up.

NG → **Go to step 2**

OK

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

Wire Harness Side



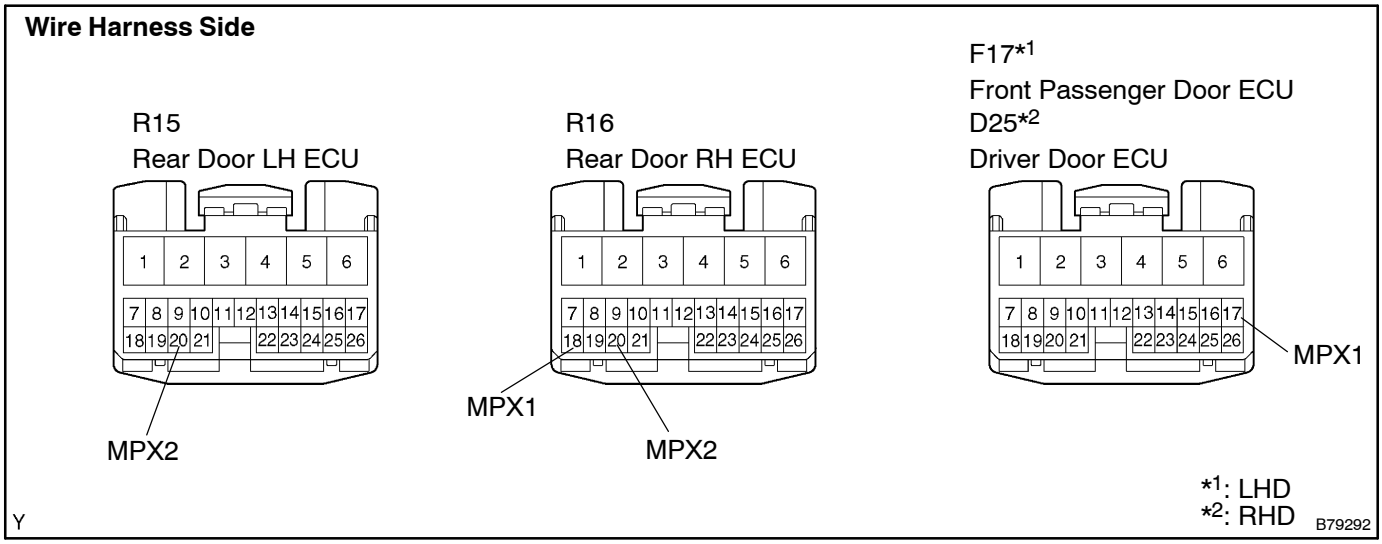
(a) Disconnect the R16 ECU connector.
(b) Measure the resistance and voltage between the wire harness side connector and body ground.
Standard:

Tester Connection	Specified Condition
R16–1 (CPUB) – Body ground	10 to 14 V
R16–15 (SEL1) – Body ground	Below 1 Ω
R16–6 (GND) – Body ground	Below 1 Ω

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

OK

3 CHECK RESISTANCE OF COMMUNICATION LINE



(a) Disconnect the R15 and R16 ECU connectors.
(b) Disconnect the F17*1 or D25*2 ECU connectors.
(c) Measure the resistance between the wire harness side connectors.

Standard:

LHD models

Tester Connection	Specified Condition
R16–18 (MPX1) – R15–20 (MPX2)	Below 1 Ω
R16–20 (MPX2) – F17–17 (MPX1)	Below 1 Ω

RHD models

Tester Connection	Specified Condition
R16–18 (MPX1) – R15–20 (MPX2)	Below 1 Ω
R16–20 (MPX2) – D25–17 (MPX1)	Below 1 Ω

*1: LHD
*2: RHD

Result:

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

B → **REPLACE REAR DOOR RH ECU AND REPAIR OR REPLACE HARNESS AND CONNECTOR**

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

A

REPLACE REAR DOOR RH ECU