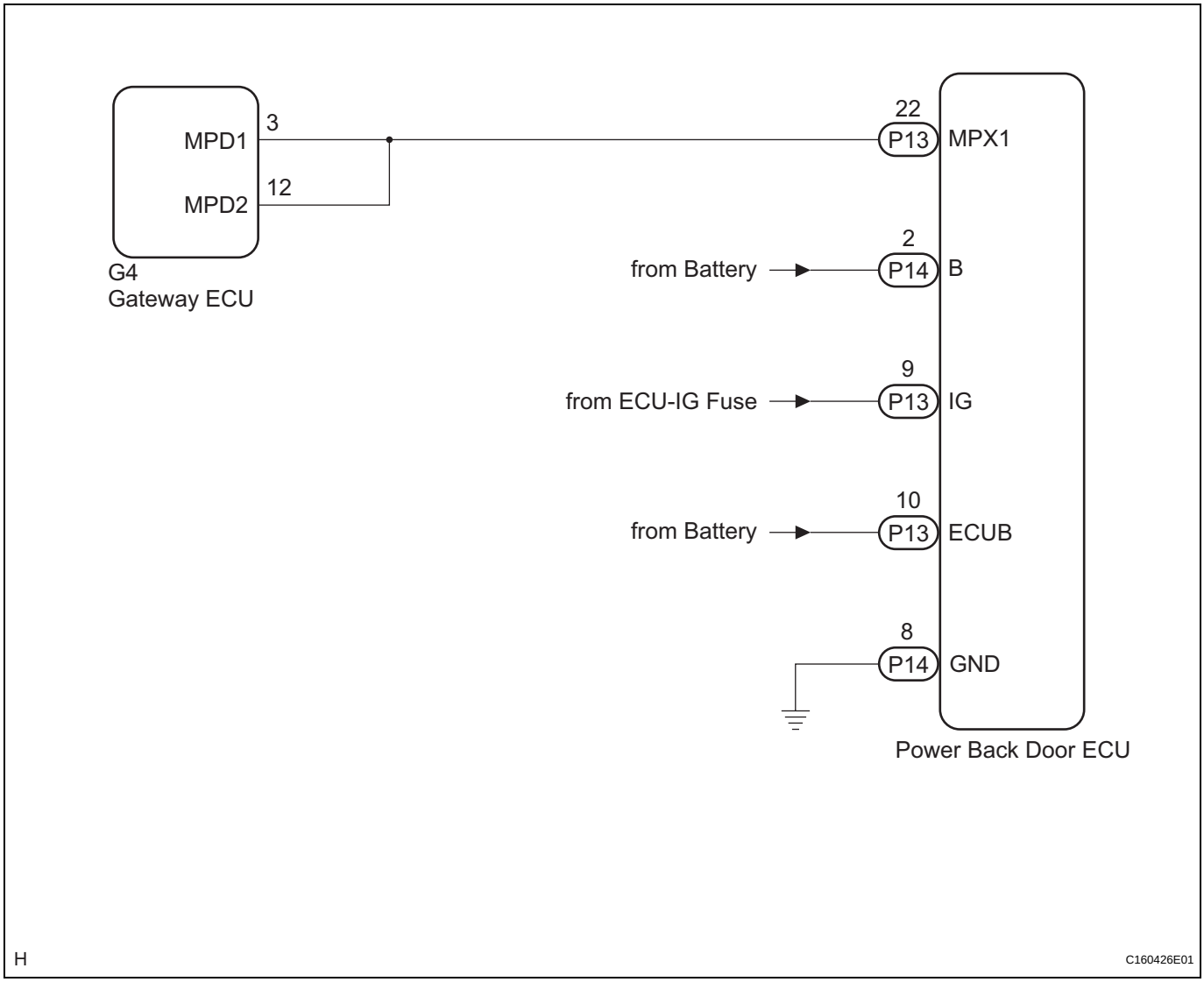
DTC	B1287	Back Door ECU Communication Stop

DESCRIPTION

DTC B1287 is output when communication between the power back door ECU and the multiplex network gateway ECU stops for more than 10 seconds.

DTC No.	DTC Detection Condition	Trouble Area
B1287	Back door ECU communication stops	• Power back door ECU • Wire harness

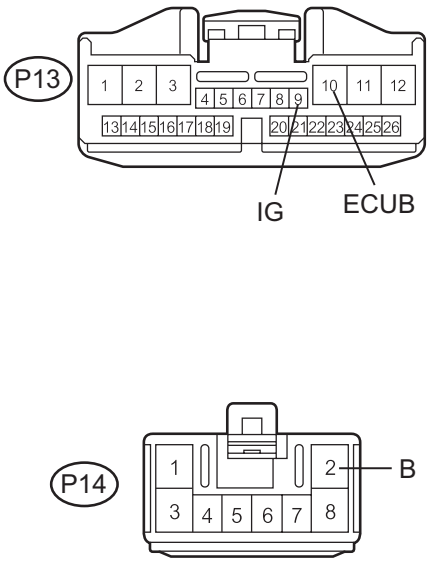
WIRING DIAGRAM



INSPECTION PROCEDURE

1 CHECK HARNESS AND CONNECTOR (POWER BACK DOOR ECU - BATTERY)

Front view of wire harness connector:
(to Power Back Door ECU)



C160737E01

(a) Disconnect the P14 and P13 ECU connectors.
(b) Measure the voltage according to the value(s) in the table below.

Standard voltage

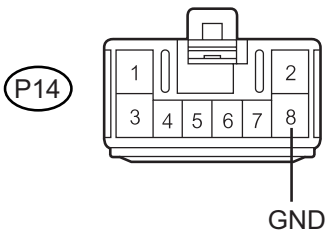
Tester Connection	Condition	Specified Condition
P13-9 (IG) - Body ground	Ignition switch: ON	11 to 14 V
P13-10 (ECUB) - Body ground	Always	11 to 14 V
P14-2 (B) - Body ground	Always	11 to 14 V

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

OK

2 CHECK HARNESS AND CONNECTOR (POWER BACK DOOR ECU - GROUND)

Front view of wire harness connector:
(to Power Back Door ECU)



H

C160409E01

(a) Measure the resistance according to the value(s) in the table below.

Standard resistance

Tester Connection	Condition	Specified Condition
P14-8 (GND) - Body ground	Always	Below 1 Ω

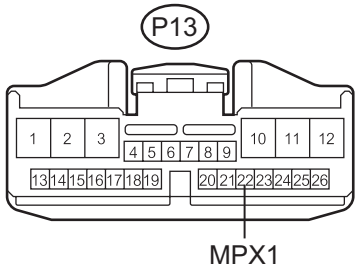
NG → **REPAIR OR REPLACE HARNESS OR CONNECTOR**

MP

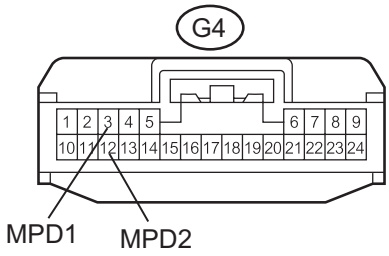
OK

3	CHECK COMMUNICATION LINE

Front view of wire harness connector:
(to Power Back Door ECU)



(to Gateway ECU)



C160738E01

(a) Disconnect the G4 ECU connector.
(b) Measure the resistance according to the value(s) in the table below.

Standard resistance

Tester Connection	Condition	Specified Condition
P13-22 (MPX1) - G4-3 (MPD1)	Always	Below 1 Ω
P13-22 (MPX1) - G4-12 (MPD2)	Always	Below 1 Ω

Result

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

B → REPAIR OR REPLACE HARNESS OR CONNECTOR AND POWER BACK DOOR ECU

C → REPAIR OR REPLACE HARNESS OR CONNECTOR

A

REPLACE POWER BACK DOOR ECU