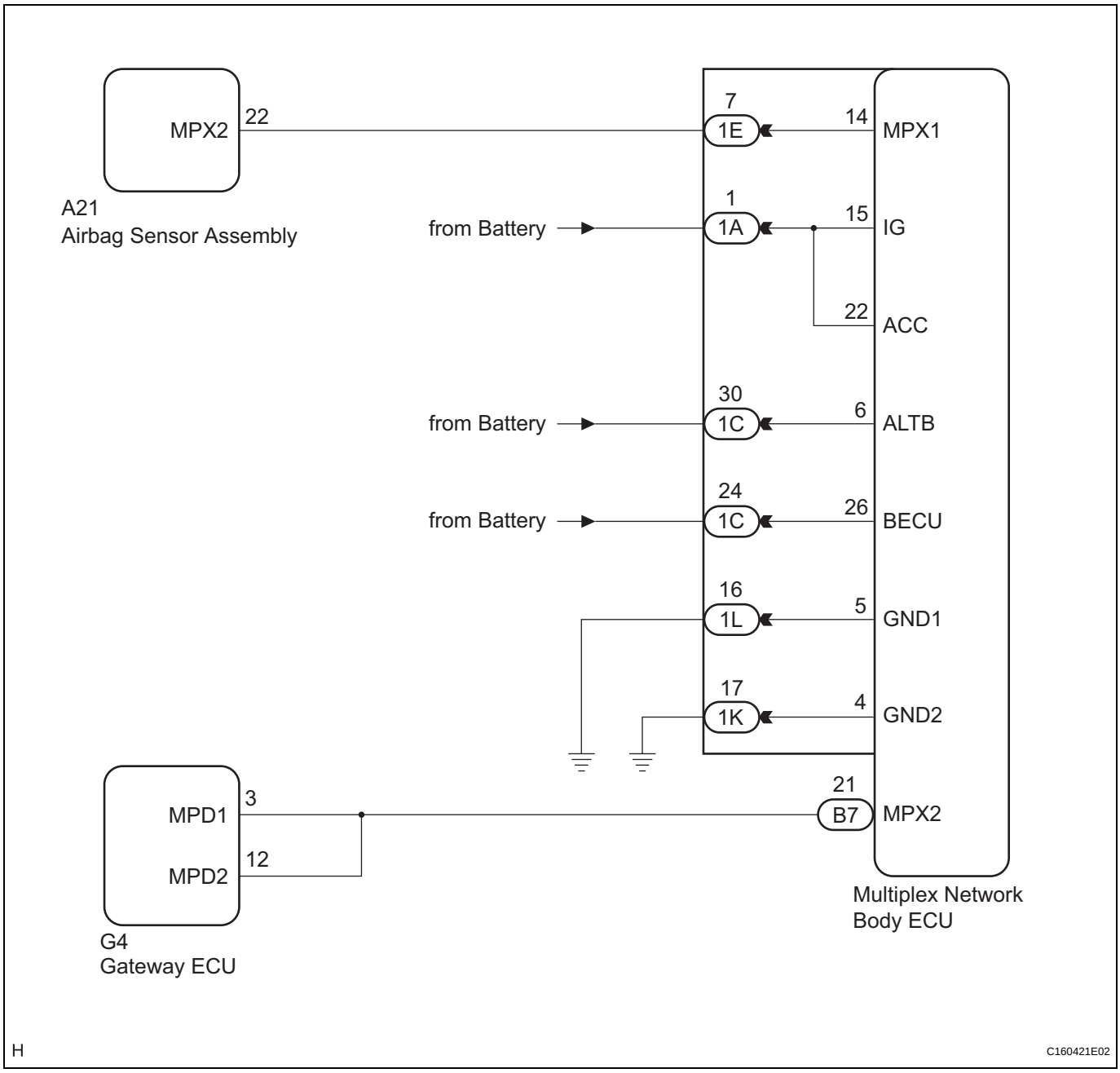
DTC	B1200	MPX Body ECU Stop

DESCRIPTION

This DTC is detected when communication between the multiplex network body ECU and the multiplex network gateway ECU stops for more than 10 seconds.

DTC No.	DTC Detection Condition	Trouble Area
B1200	Body ECU communication stops	• Multiplex network body ECU • Wire harness

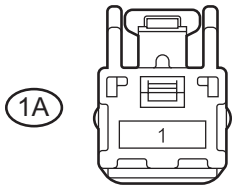
WIRING DIAGRAM



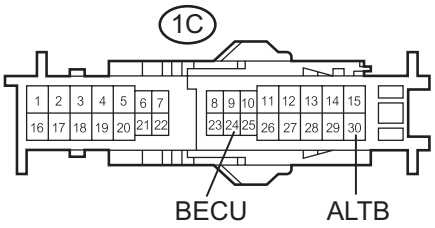
INSPECTION PROCEDURE

1	CHECK HARNESS AND CONNECTOR (MULTIPLEX NETWORK BODY ECU - BATTERY)

Front view of wire harness connector:
(to Body ECU)



Front view of wire harness connector:
(to Body ECU)



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(a) Disconnect the 1A and 1C junction block connectors.
(b) Measure the voltage according to the value(s) in the table below.

Standard voltage

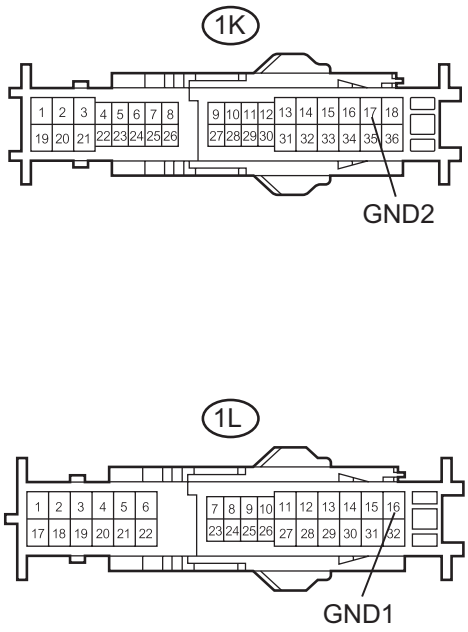
Tester Connection	Condition	Specified Condition
1A-1 - Body ground	Always	11 to 14 V
1C-24 (BECU) - Body ground	Always	11 to 14 V
1C-30 (ALTB) - Body ground	Always	11 to 14 V

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

OK

2	CHECK HARNESS AND CONNECTOR (MULTIPLEX NETWORK BODY ECU - GROUND)

Front view of wire harness connector:
(to Body ECU)



(a) Disconnect the 1K and 1L junction connectors.
(b) Measure the resistance according to the value(s) in the table below.

Standard resistance

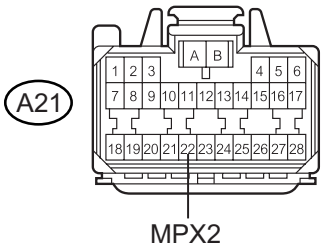
Tester Connection	Condition	Specified Condition
1K-17 (GND2) - Body ground	Always	Below 1 Ω
1L-16 (GND1) - Body ground	Always	Below 1 Ω

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

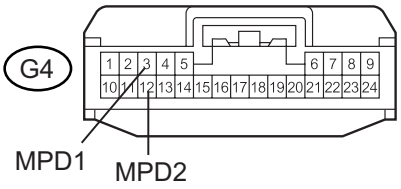
OK

3	CHECK COMMUNICATION LINE

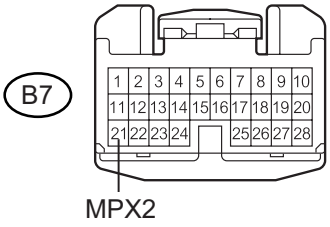
Front view of wire harness connector:
(to Airbag Sensor Assembly)



(to Gateway ECU)



(to Body ECU)



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(a) Disconnect the A21, G4 and B7 ECU connectors.
(b) Measure the resistance according to the value(s) in the table below.

Standard resistance

Tester Connection	Condition	Specified Condition
1E-7 (MPX1) - A21-22 (MPX2)	Always	Below 1 Ω
B7-21 (MPX2) - G4-3 (MPD1), 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 MULTIPLEX NETWORK BODY ECU**

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

A

REPLACE MULTIPLEX NETWORK BODY ECU