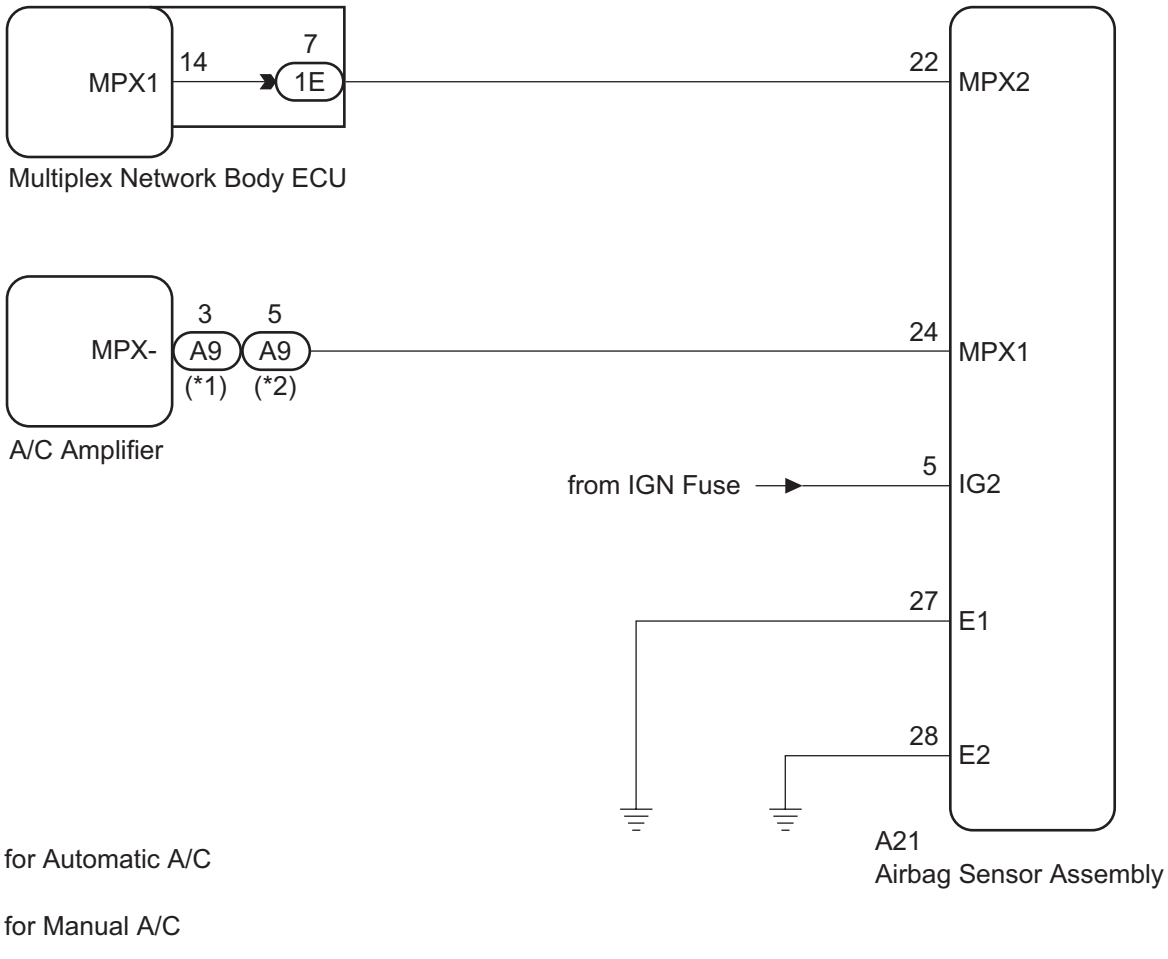
DTC	B1281	Airbag ECU Communication Stop

DESCRIPTION

DTC B1281 is output when communication between the airbag ECU and the multiplex network gateway ECU stops for more than 10 seconds.

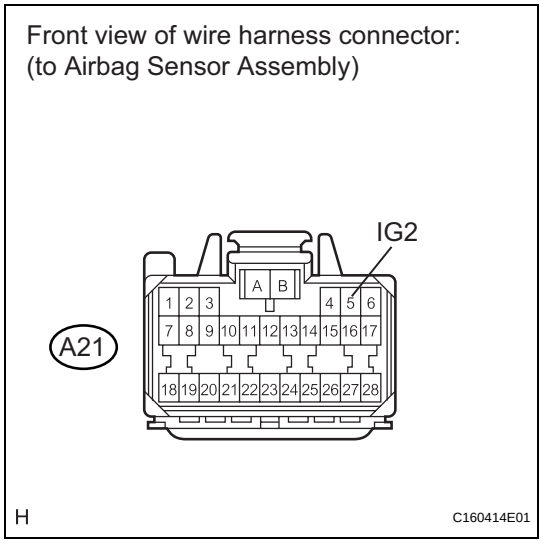
DTC No.	DTC Detection Condition	Trouble Area
B1281	Airbag ECU communication stops	• Airbag sensor assembly • Wire harness

WIRING DIAGRAM



INSPECTION PROCEDURE

1 CHECK HARNESS AND CONNECTOR (AIRBAG SENSOR ASSEMBLY - BATTERY)



(a) Disconnect the A21 ECU connector.
(b) Measure the voltage according to the value(s) in the table below.

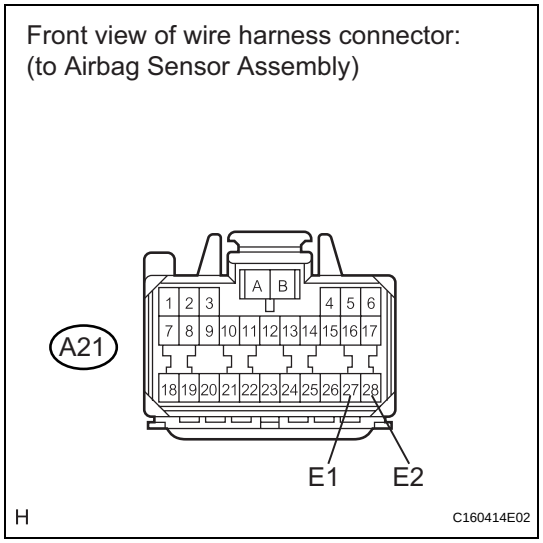
Standard voltage

Tester Connection	Condition	Specified Condition
A21-5 (IG2) - Body ground	Ignition switch: ON	11 to 14 V

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

OK

2 CHECK HARNESS AND CONNECTOR (AIRBAG SENSOR ASSEMBLY - GROUND)



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

Standard resistance

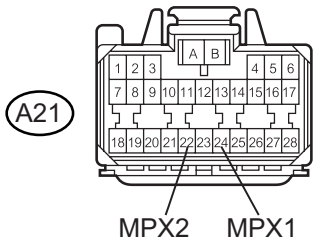
Tester Connection	Condition	Specified Condition
A21-27 (E1) - Body ground	Always	Below 1 Ω
A21-28 (E2) - Body ground	Always	Below 1 Ω

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

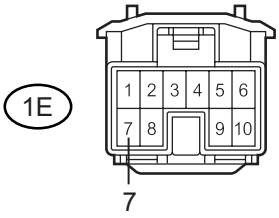
OK

3	CHECK COMMUNICATION LINE

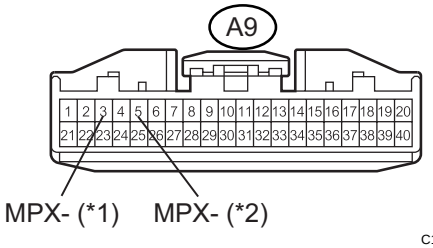
Front view of wire harness connector:
(to Airbag Sensor Assembly)



(to Body ECU)



(to A/C Amplifier)



C160736E01

(a) Disconnect the 1E and A9 ECU connectors.
(b) Measure the resistance according to the value(s) in the table below.

Standard resistance

Tester Connection	Condition	Specified Condition
A21-22 (MPX2) - 1E-7	Always	Below 1 Ω
A21-24 (MPX1) - A9-3 (MPX-) (*1), A9-5 (MPX-) (*2)	Always	Below 1 Ω

HINT:
*1: for Automatic A/C
*2: for Manual A/C

Result

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

B → **REPAIR OR REPLACE HARNESS OR CONNECTOR AND AIRBAG SENSOR ASSEMBLY**

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

A → **REPLACE AIRBAG SENSOR ASSEMBLY**