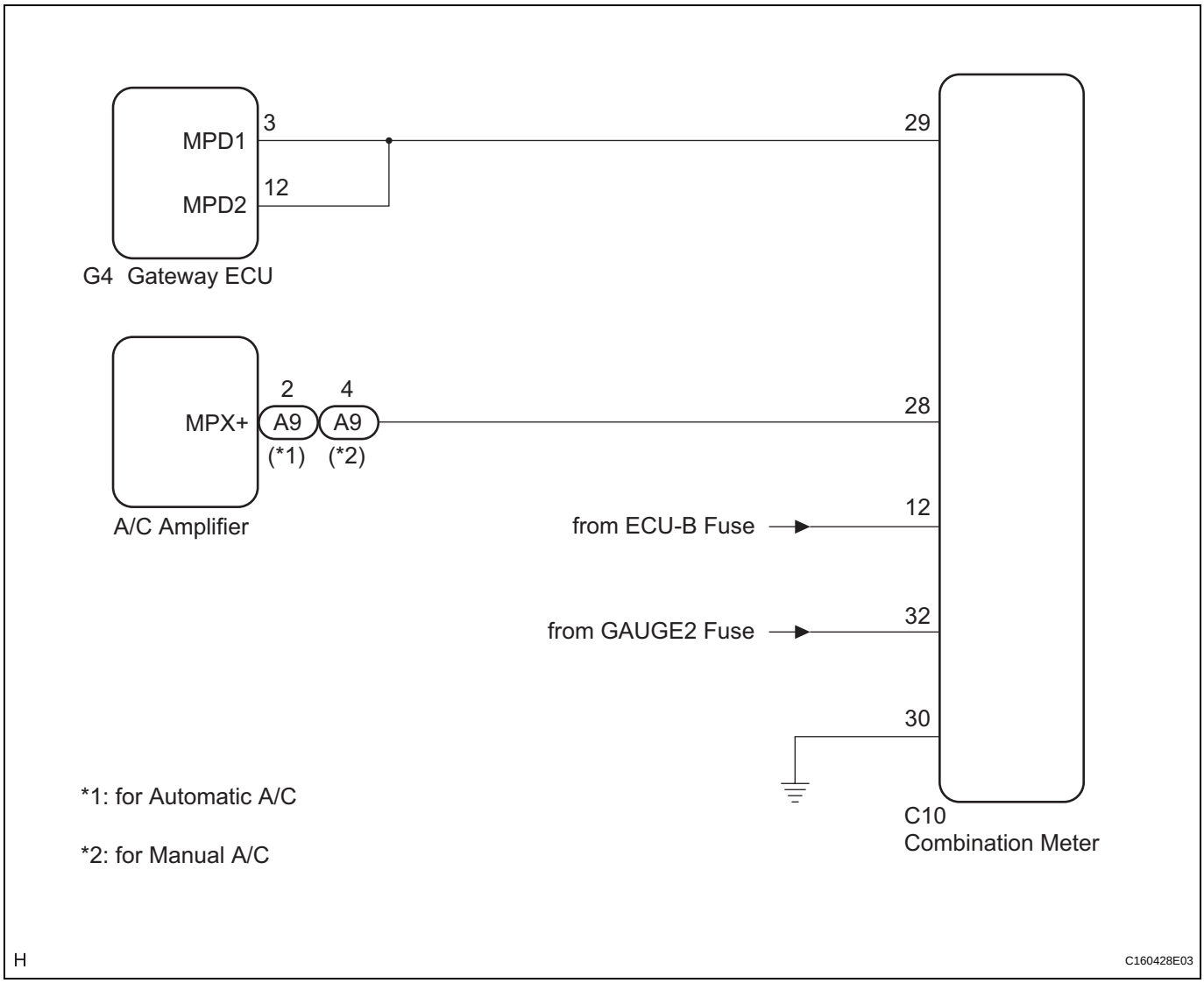
DTC	B1271	Combination Meter ECU Communication Stop

DESCRIPTION

DTC B1271 is output when communication between the combination meter and the multiplex network gateway ECU stops for more than 10 seconds.

DTC No.	DTC Detection Condition	Trouble Area
B1271	Combination meter communication stops	• Combination meter • Wire harness

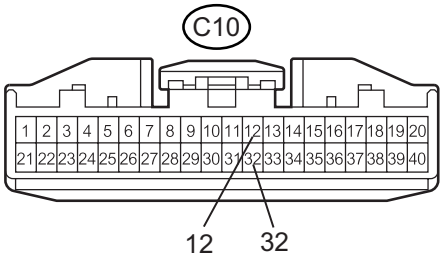
WIRING DIAGRAM



INSPECTION PROCEDURE

1 CHECK HARNESS AND CONNECTOR (COMBINATION METER - BATTERY)

Front view of wire harness connector:
(to Combination Meter)



H C160413E03

(a) Disconnect the C10 connector.
(b) Measure the voltage according to the value(s) in the table below.

Standard voltage

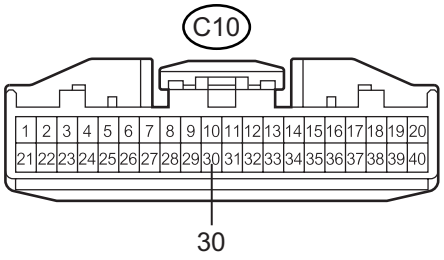
Tester Connection	Condition	Specified Condition
C10-32 - Body ground	Ignition switch: ON	11 to 14 V
C10-12 - Body ground	Always	11 to 14 V

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

OK

2 CHECK HARNESS AND CONNECTOR (COMBINATION METER - GROUND)

Front view of wire harness connector:
(to Combination Meter)



H C160413E04

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

Standard resistance

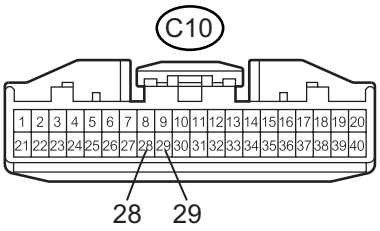
Tester Connection	Condition	Specified Condition
C10-30 - Body ground	Always	Below 1 Ω

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

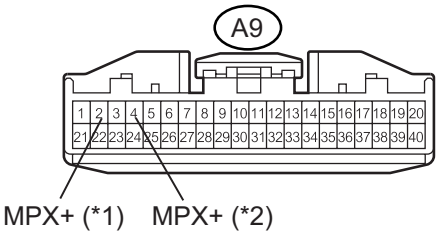
OK

3	CHECK COMMUNICATION LINE

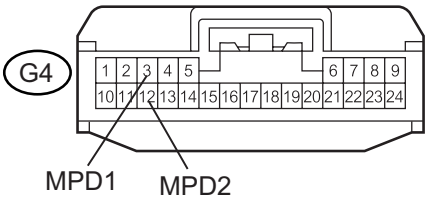
Front view of wire harness connector:
(to Combination Meter)



(to A/C Amplifier)



(to Gateway ECU)



C160733E01

(a) Disconnect the A9 and G4 connectors.
(b) Measure the resistance according to the value(s) in the table below.

Standard resistance

Tester Connection	Condition	Specified Condition
C10-29 - G4-3 (MPD1), G4-12 (MPD2)	Always	Below 1 Ω
C10-28 - A9-2 (MPX+) (*1), A9-4 (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 COMBINATION METER**

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

A

REPLACE COMBINATION METER