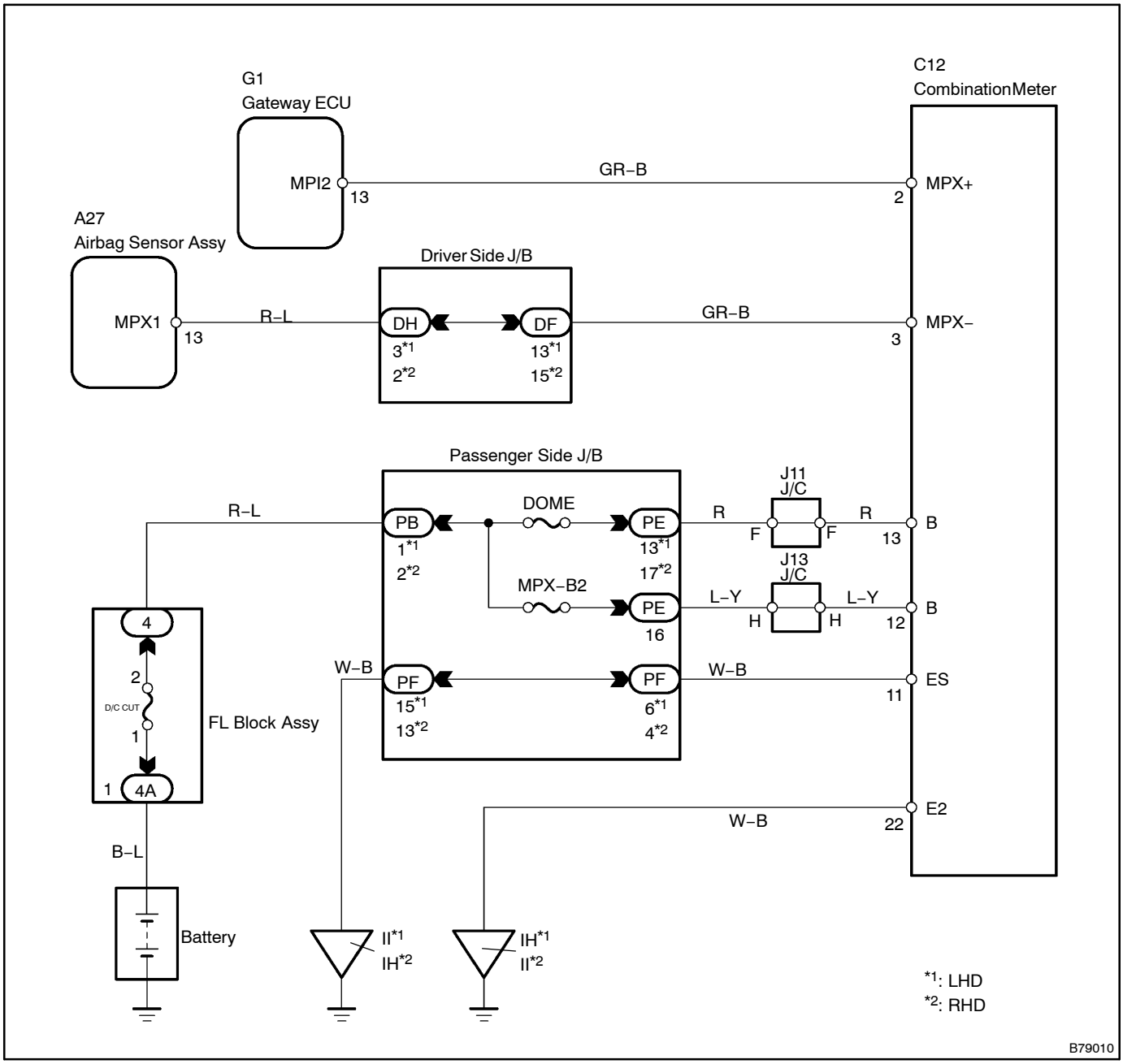
DTC	B1271	COMBINATION METER ECU COMMUNICATION STOP

CIRCUIT DESCRIPTION

This DTC is detected when communication between the combination meter assy (combination meter ECU) and gateway ECU stops for more than 10 seconds.

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

WIRING DIAGRAM



INSPECTION PROCEDURE

1	CHECK OPERATION

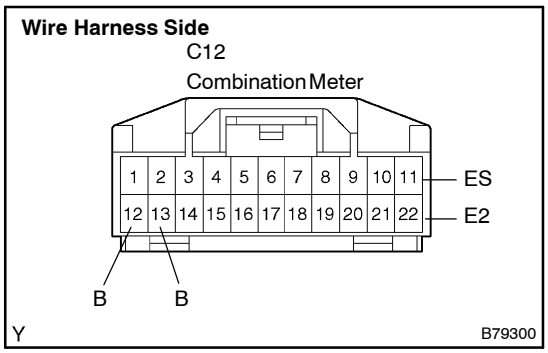
(a) Check that the tachometer can operate properly while the engine is idling.
OK: Tachometer can operate properly while the engine is idling.

NG → **Go to step 2**

OK

REPLACE COMBINATION METER ECU

2	CHECK WIRE HARNESS (COMBINATION METER ECU – BODY GROUND)



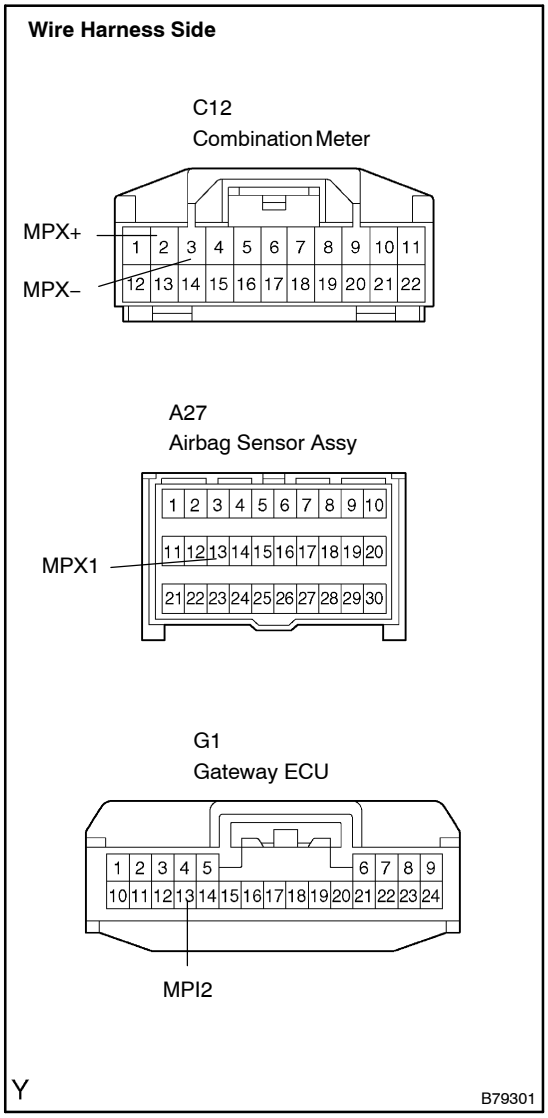
(a) Disconnect the C12 ECU connector.
(b) Measure the resistance and voltage between the wire harness side connector and body ground.
Standard:

Tester Connection	Specified Condition
C12–13 (B) – Body ground	10 to 14 V
C12–12 (B) – Body ground	10 to 14 V
C12–22 (E2) – Body ground	Below 1 Ω
C12–11 (ES) – Body ground	Below 1 Ω

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

OK

3 CHECK RESISTANCE OF COMMUNICATION LINE



(a) Disconnect the C12 meter connector.
(b) Disconnect the A27 sensor connector.
(c) Disconnect the G1 ECU connector.
(d) Measure the resistance between the wire harness side connectors.

Standard:

Tester Connection	Specified Condition
C12–2 (MPX+) – G1–13 (MPI2)	Below 1 Ω
C12–3 (MPX–) – A27–13 (MPX1)	Below 1 Ω

Result:

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

A

REPLACE COMBINATION METER ASSY

B

REPLACE COMBINATION METER ECU AND REPAIR OR REPLACE HARNESS AND CONNECTOR

C

REPAIR OR REPLACE HARNESS AND CONNECTOR