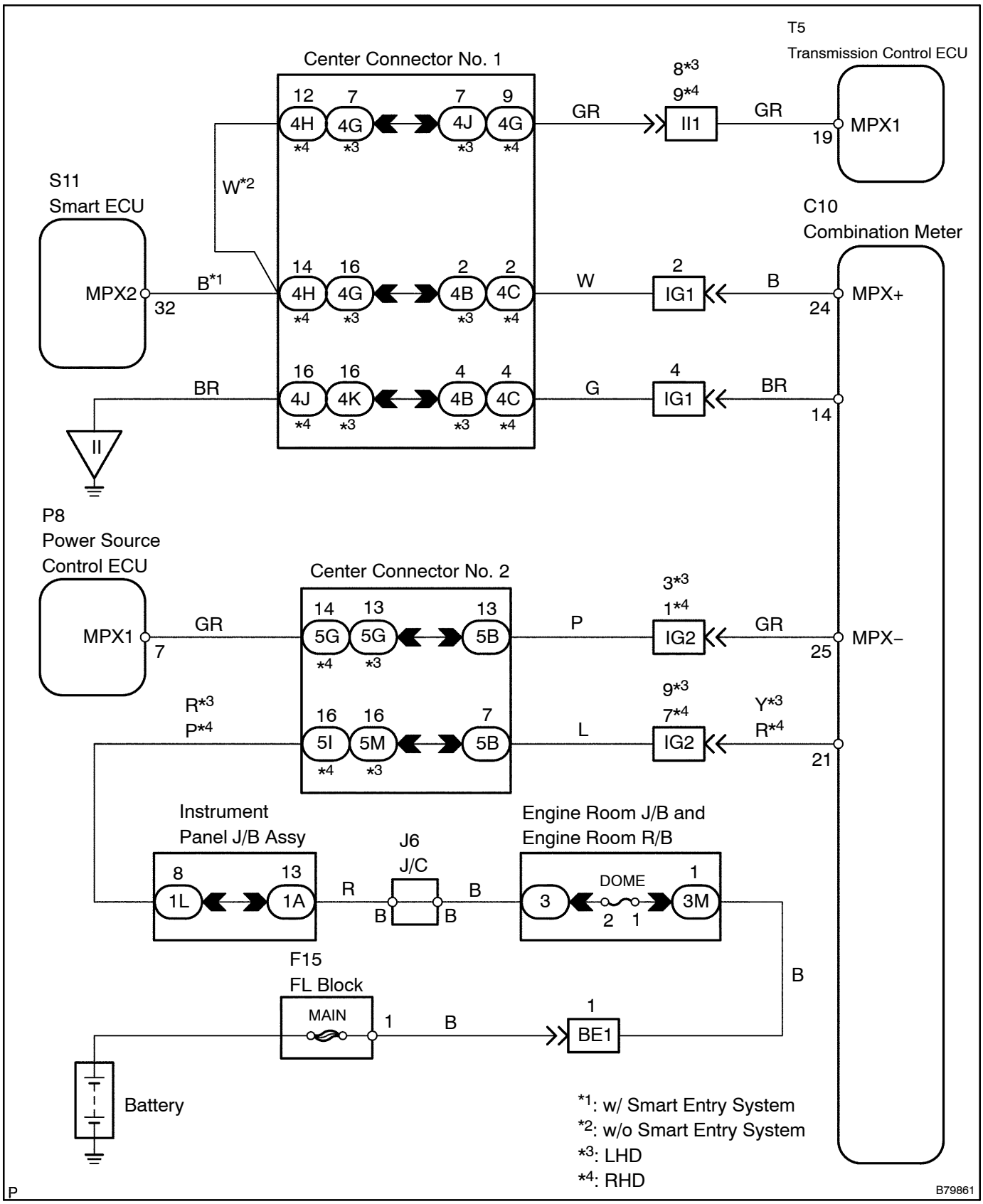
DTC	B1271	COMBINATION METER ECU COMMUNICATION STOP

CIRCUIT DESCRIPTION

This DTC is detected when communication between the combination meter assy (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 indicator (READY) on the combination meter illuminates when the hybrid vehicle control system is operating (power switch ON (READY)).
OK: Indicator can operate properly.

NG → **Go to step 2**

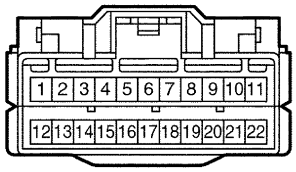
OK

REPLACE COMBINATION METER ASSY

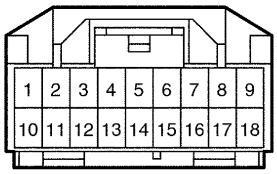
2	CHECK WIRE HARNESS (COMBINATION METER ASSY – BODY GROUND)

Wire Harness Side

IG1
(C10 Combination Meter)



IG2
(C10 Combination Meter)



B80254 B80259

(a) Disconnect the IG1 and IG2 meter connectors.
(b) Measure the resistance and voltage of the wire harness side connectors.
Standard:
LHD models

Tester Connection	Specified Condition
IG2–9 – Body ground	10 to 14 V
IG1–4 – Body ground	Below 1 Ω

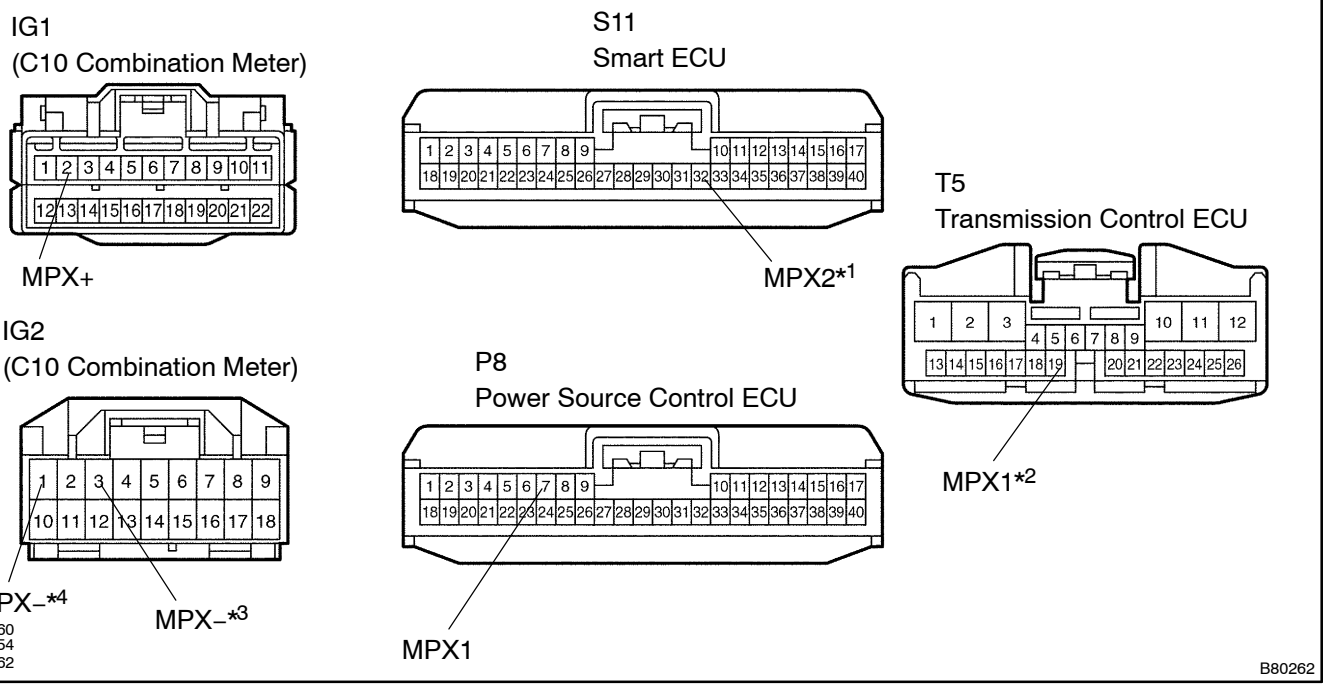
RHD models

Tester Connection	Specified Condition
IG2–7 – Body ground	10 to 14 V
IG1–4 – Body ground	Below 1 Ω

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

OK

3 CHECK RESISTANCE OF COMMUNICATION LINE



(a) Disconnect the IG1 and IG2 meter connectors.
(b) Disconnect the P8, S11 and T5 ECU connectors.
(c) Measure the resistance of the wire harness side connectors.

Standard:

Tester Connection	Specified Condition
IG1–2 (MPX+) – S11–32 (MPX2)*1	Below 1 Ω
IG1–2 (MPX+) – T5–19 (MPX1)*2	Below 1 Ω
IG2–3 (MPX–)*3 – P8–7 (MPX1)	Below 1 Ω
IG2–1 (MPX–)*4 – P8–7 (MPX1)	Below 1 Ω

*1: w/ Smart entry system
*2: w/o Smart entry system
*3: LHD
*4: RHD

Result:

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

B → **REPLACE COMBINATION METER ASSY AND REPAIR OR REPLACE HARNESS AND CONNECTOR**

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

A

REPLACE COMBINATION METER ASSY