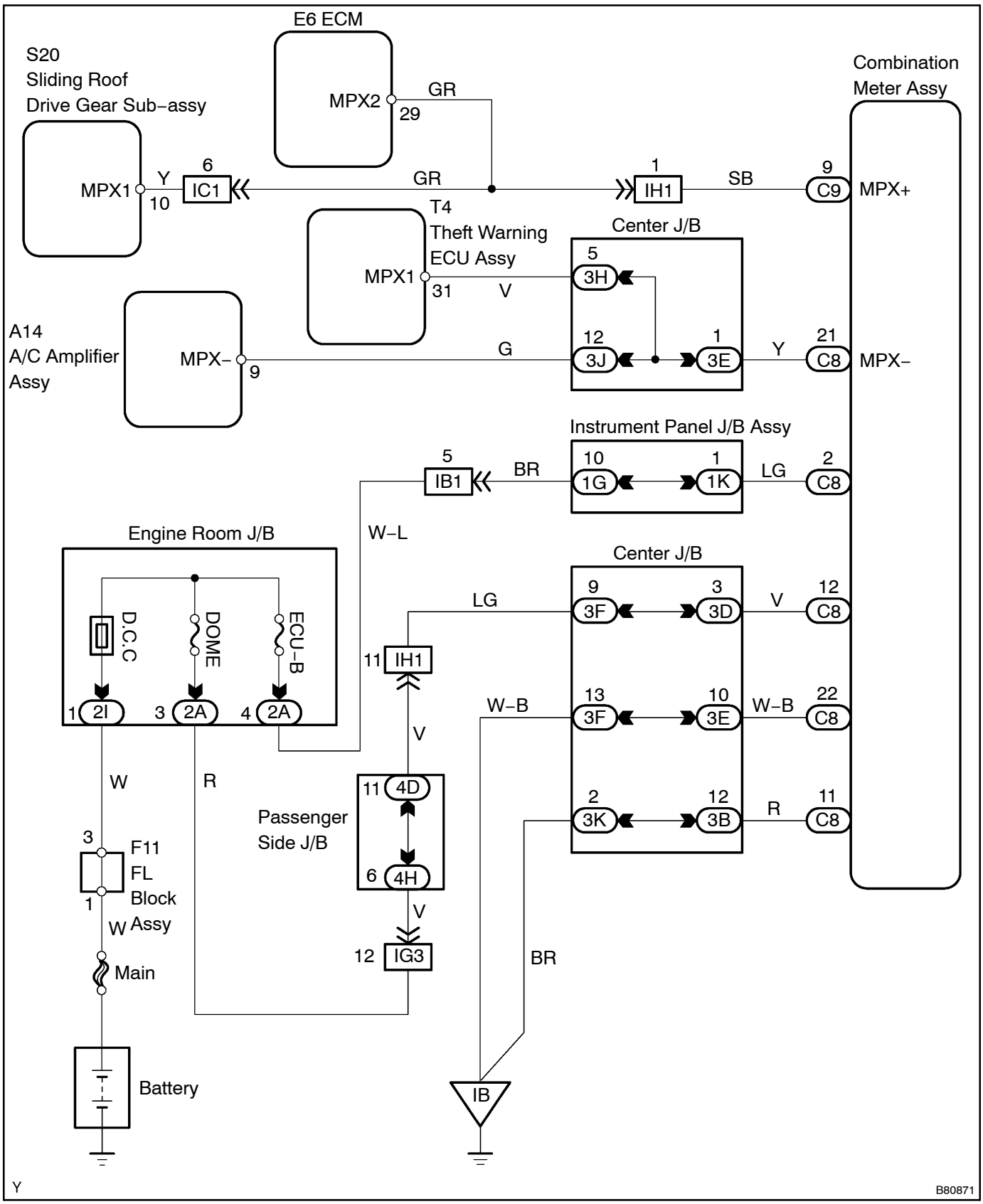
DTC	B1271	COMBINATION METER ECU COMMUNICATION STOP

CIRCUIT DESCRIPTION

DTC B1271 will be output when the communication between the combination meter assy (meter ECU) and multiplex network body ECU stops for more than 10 seconds.

DTC No.	DTC Detection Condition	Trouble Area
B1271	No communication from meter ECU for more than 10 seconds	• Combination meter assy • Wire harness

WIRING DIAGRAM



INSPECTION PROCEDURE

1	CHECK WARNING LAMP OPERATION

(a) Turn the ignition switch ON, and check that the all warning lamps turn ON.
(b) Check that all warning lamps turn OFF after approximately 6 seconds.

NG → **Go to step 2**

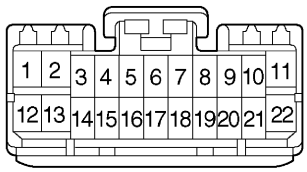
OK

REPLACE COMBINATION METER ASSY

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

Wire Harness Side

C8
Combination Meter Assy



B81483

(a) Disconnect the C8 ECU connector.
(b) Measure the resistance and voltage of the wire harness side connector.

Standard:

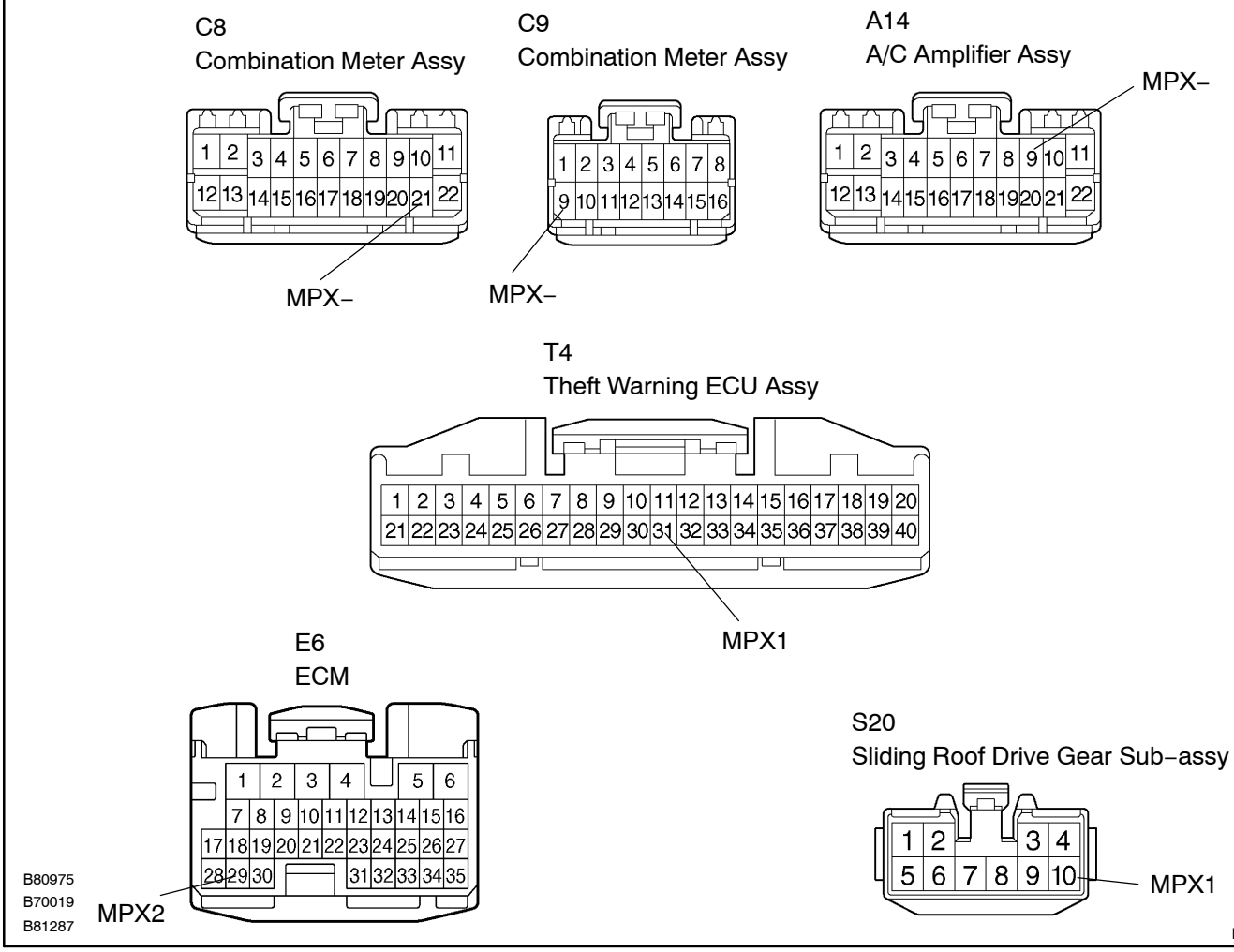
Tester Connection	Specified Condition
C8–2 – Body ground	10 to 14 V
C8–12 – Body ground	10 to 14 V
C8–22 – Body ground	Below 1 Ω
C8–11 – Body ground	Below 1 Ω

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

OK

3 CHECK RESISTANCE OF COMMUNICATION LINE

Wire Harness Side



(a) Disconnect the C8 and C9 combination connectors.
(b) Disconnect the A14 A/C amplifier connector.
(c) Disconnect the T4 theft warning ECU connector.
(d) Disconnect the E6 ECM connector.
(e) Disconnect the S20 sliding roof drive gear connector.
(f) Measure the resistance of wire harness side connectors.

Standard:

Tester Connection	Specified Condition
C8–21 (MPX–) – A14–9 (MPX–)	Below 1 Ω
C8–21 (MPX–) – T4–31 (MPX1)	Below 1 Ω
C9–9 (MPX+) – S20–10 (MPX1)	Below 1 Ω
C9–9 (MPX+) – E6–29 (MPX2)	Below 1 Ω

Result:

Result	Proceed to
All are OK	A
3 or less are OK	B
All 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