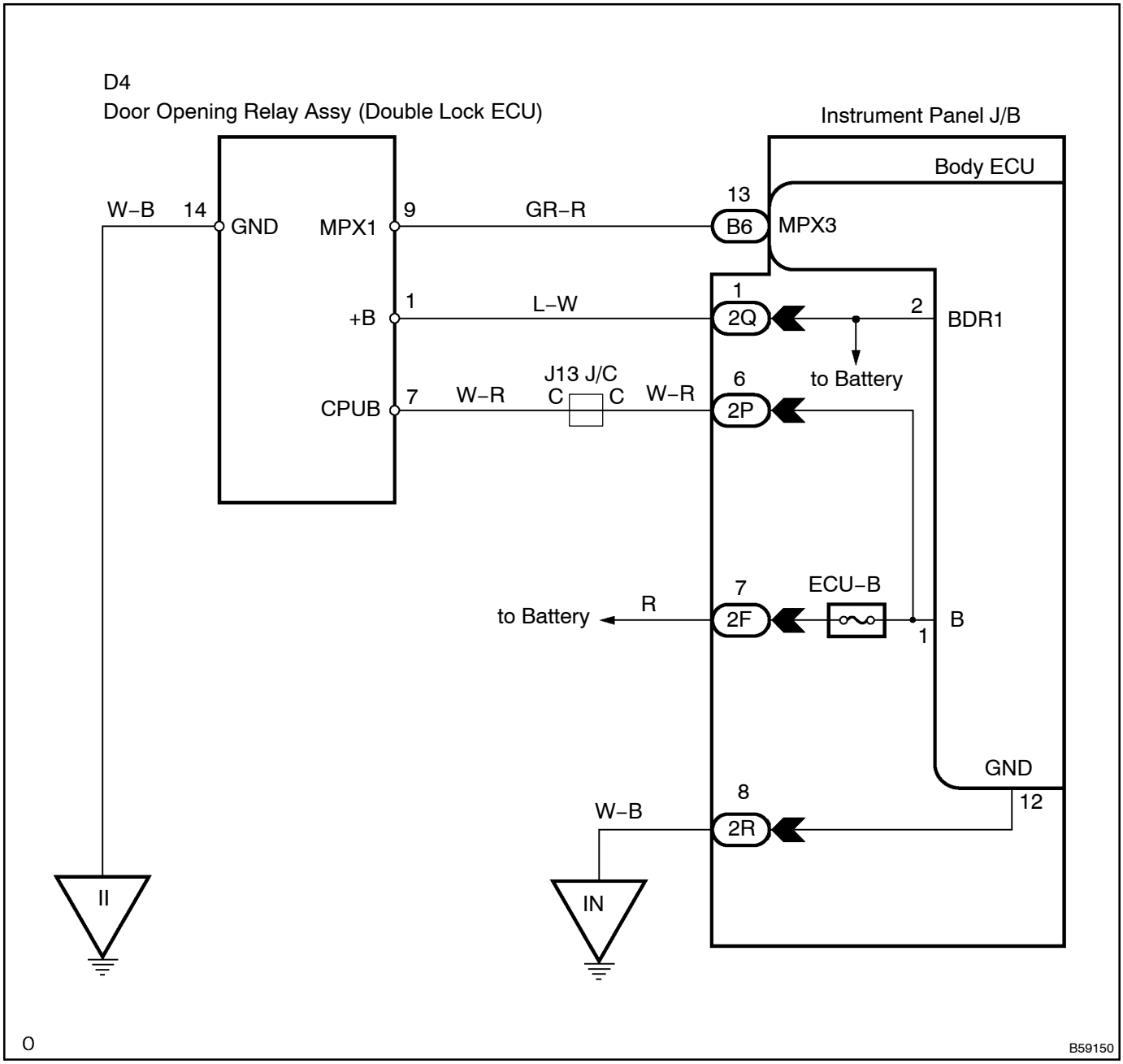
DTC	49	DOUBLE LOCK ECU COMMUNICATION STOP

CIRCUIT DESCRIPTION

DTC No. 49 will be output when the communication between the instrument panel J/B (body ECU) and door opening relay assy (double lock ECU) stops for more than 10 seconds.

DTC No.	DTC detecting condition	Trouble area
49	Double lock ECU communication stop	• Door opening relay assy (Double lock ECU) • Wire harness

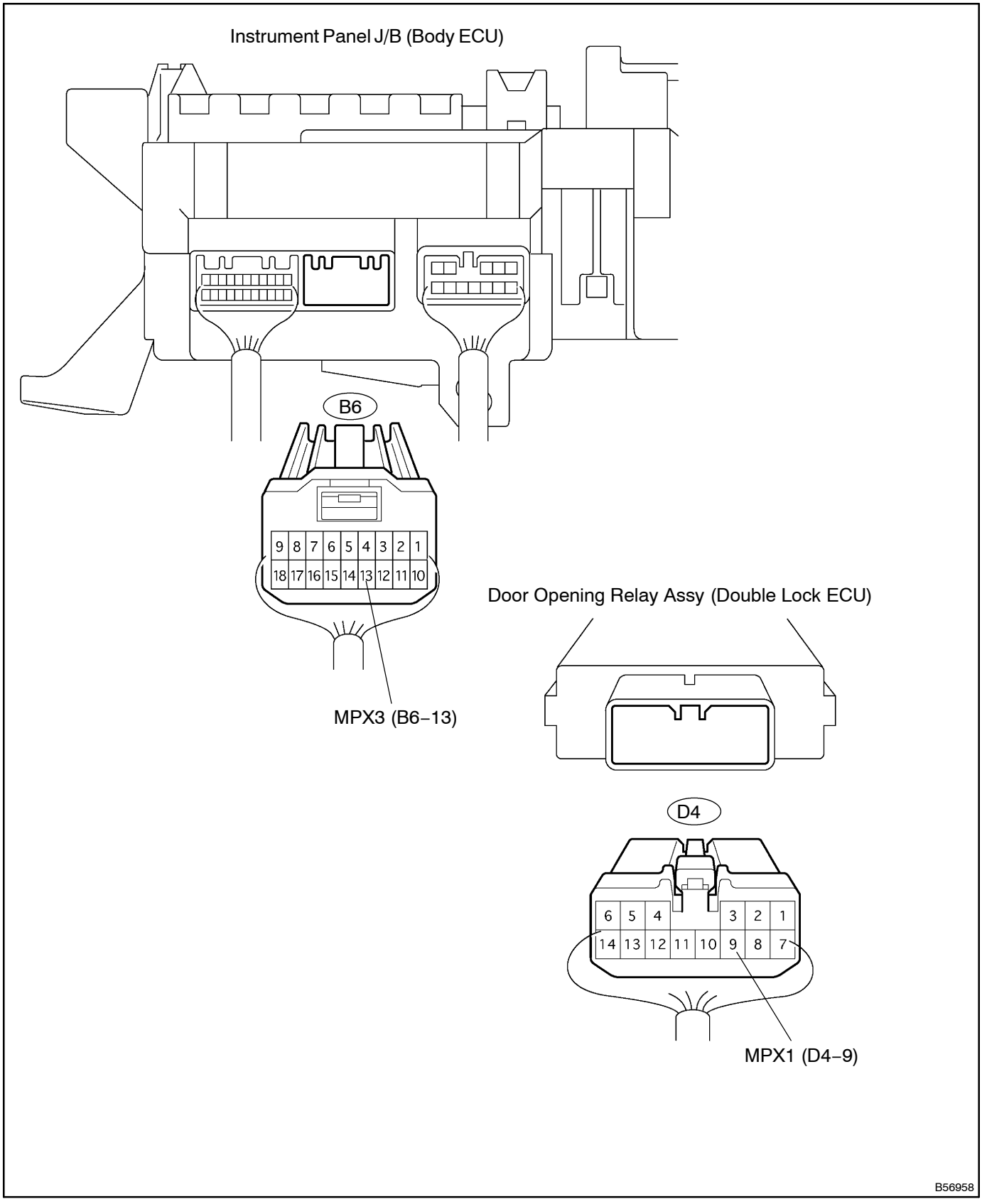
WIRING DIAGRAM



INSPECTION PROCEDURE

1	CHECK CONTINUITY OF COMMUNICATION LINE

(a) Check the wire harness between the instrument panel J/B (body ECU) and door opening relay assy (double lock ECU).



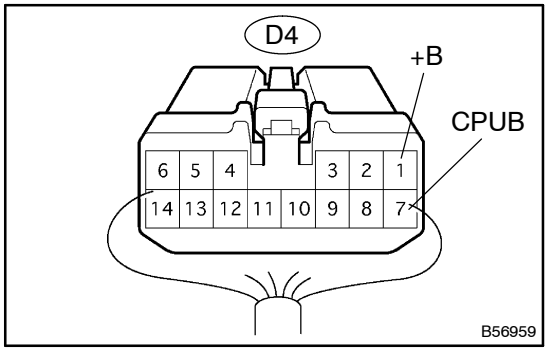
(1) Disconnect the connectors of the B6 instrument panel J/B (body ECU) and D4 door opening relay assy (double lock ECU).
(2) Check the continuity between terminal MPX3 (B6–13) of the instrument panel J/B (body ECU) wire harness side connector and terminal MPX1 (D4–9) of the door opening relay assy (double lock ECU) wire harness side connector.

Standard: Continuity

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

OK

2 CHECK DOOR OPENING RELAY ASSY (DOUBLE LOCK ECU) (POWER SOURCE)



(a) Inspect the ECU power source input.
(1) Disconnect the D4 ECU connector.
(2) Check the voltage between each terminal of the ECU wire harness side connector and the body ground.

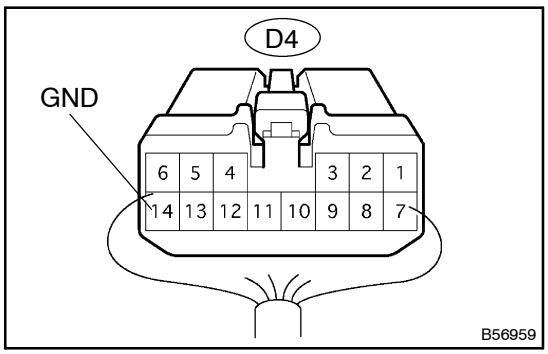
Standard:

Symbols (Terminal No.)	Wiring color	Condition	Specified condition
+B1 ⇔ Body ground (D4–1) ⇔ (Body ground)	L–W ⇔ Body ground	Constant	10 –14 V
CPUB ⇔ Body ground (D4–7) ⇔ (Body ground)	W–R ⇔ Body ground		

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

OK

3	CHECK DOOR OPENING RELAY ASSY (DOUBLE LOCK ECU) (GROUND)



(a) Inspect the ECU body ground.
(1) Disconnect the D4 ECU connector.
(2) Check the continuity between terminal GND (D4–14) of the ECU wire harness side connector and the body ground.

Standard: Continuity

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

OK

REPLACE DOOR OPENING RELAY ASSY