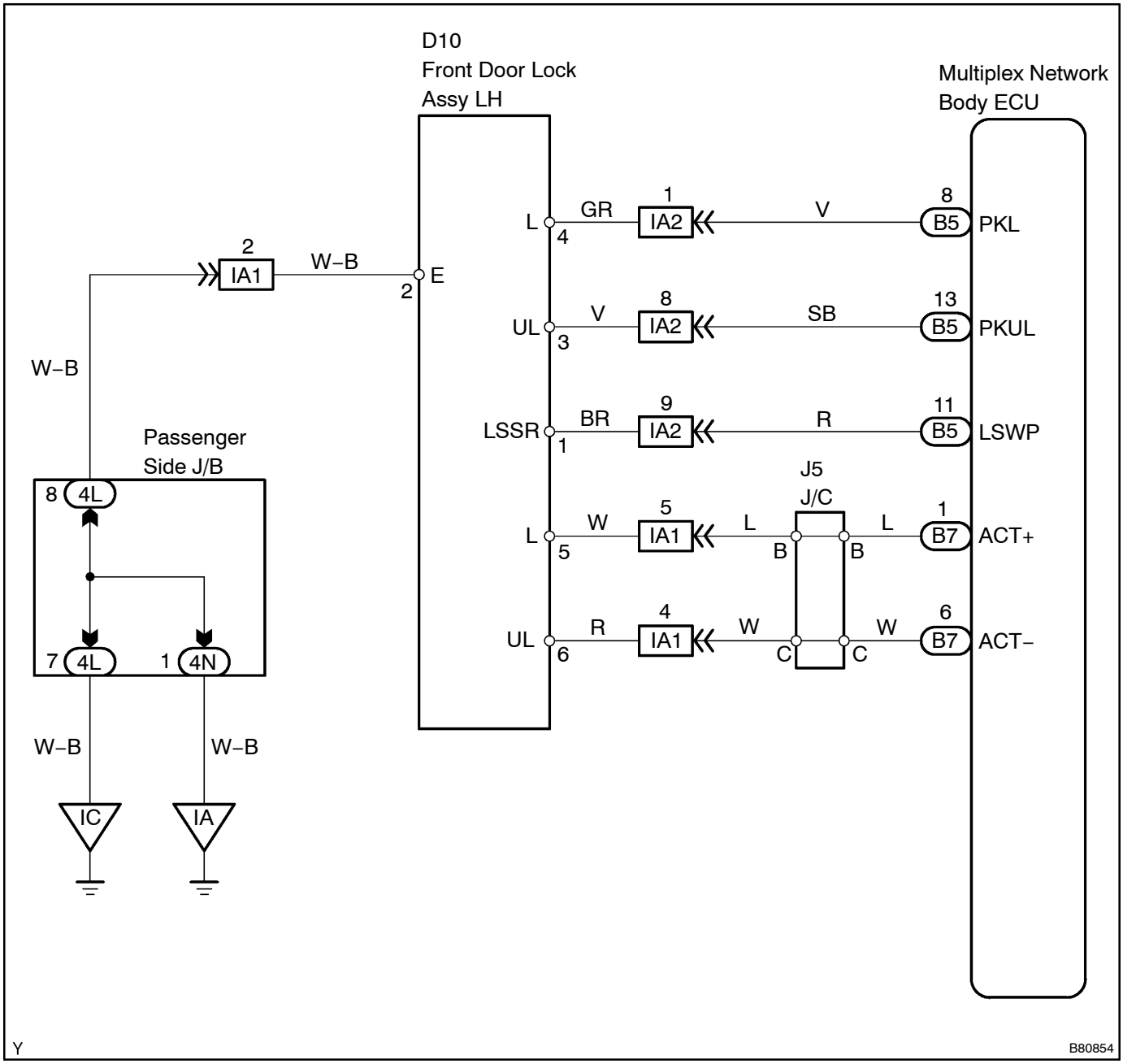
DTC	B1224/24	DOOR LOCK SWITCH CIRCUIT ON PASSENGER DOOR

CIRCUIT DESCRIPTION

This DTC is output when the passenger door unlock switch (for key operation) of the front door lock may be stuck ON.

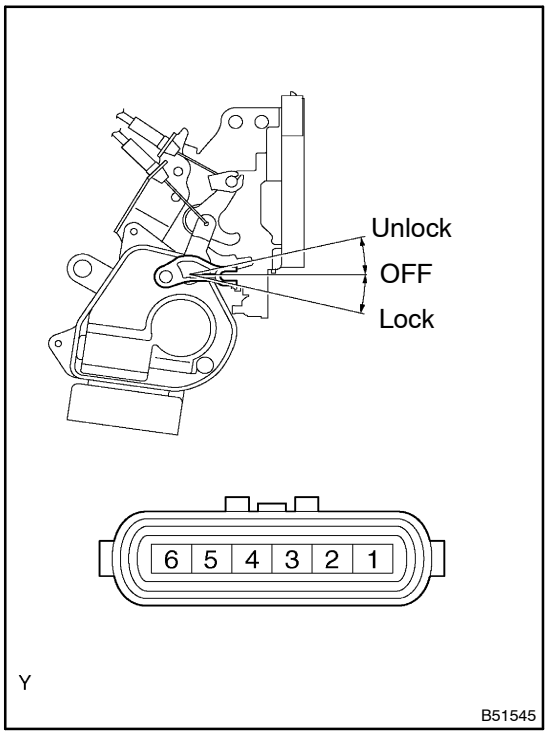
DTC No.	DTC Detection Condition	Trouble Area
B1224/24	Key lock and unlock switch is stuck	• Front door lock assy LH • Multiplex network body ECU

WIRING DIAGRAM



INSPECTION PROCEDURE

1	INSPECT FRONT DOOR LOCK ASSY LH

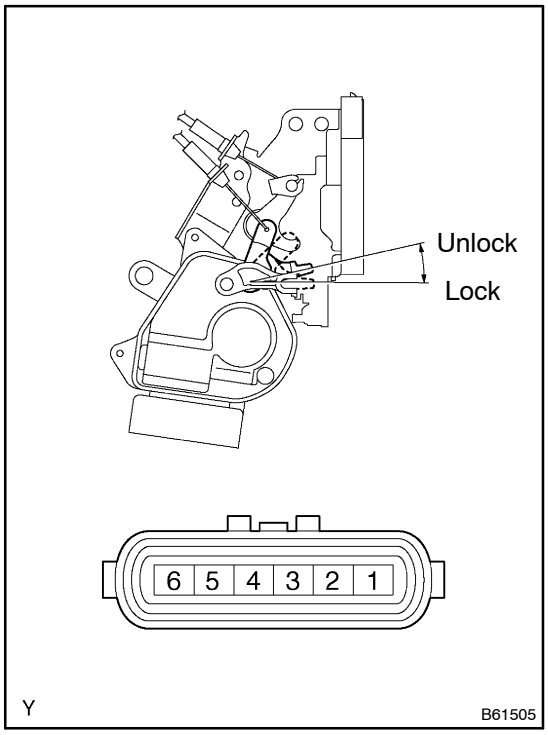


(a) Check the door lock assy LH.

(1) Measure the resistance of the door lock and unlock switch.

Standard:

Tester Connection	Switch Condiition	Specified Condition
2 – 4	Lock	Below 1 Ω
2 – 3 2 – 4	OFF	10 kΩ or higher
1 – 2 2 – 3	Unlock	Below 1 Ω



(b) Check the door lock motor operation.

(1) Apply battery voltage to the lock and check operation of the door lock motor.

Standard:

Measurement Condition	Specified Condition
Battery positive (+) – Terminal 5 Battery negative (–) – Terminal 6	Lock
Battery positive (+) – Terminal 6 Battery negative (–) – Terminal 5	Unlock

(c) Inspect the position switch.

(1) Measure the resistance of the position switch.

Standard:

Tester Connection	Door Lock Condition	Specified Condition
2 – 4	Lock	Below 1 Ω
1 – 2 2 – 3	Unlock	Below 1 Ω

NG → **REPLACE FRONT DOOR LOCK ASSY LH**

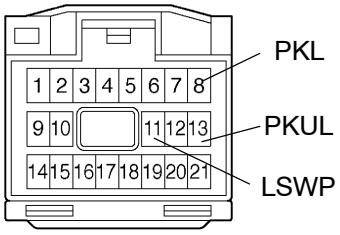
OK

2	**CHECK WIRE HARNESS (MULTIPLEX NETWORK BODY ECU – FRONT DOOR LOCK ASSY LH AND BODY GROUND)**

Wire Harness Side

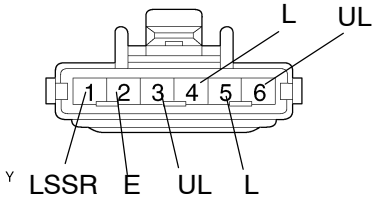
B5

Multiplex Network Body ECU



D10

Front Door Lock Assy



B82442

(a) Disconnect the B5 ECU connector.

(b) Disconnect the D10 front door lock connector.

(c) Measure the resistance of the wire harness side connector.

Standard:

Tester Connection	Specified Condition
B5–8 (PKL) – D10–4 (L)	Below 1 Ω
B5–13 (PKUL) – D10–3 (UL)	Below 1 Ω
B5–11 (LSWP) – D10–1 (LSSR)	Below 1 Ω
B7–1 (ACT+) – D10–5 (L)	Below 1 Ω
B7–6 (ACT–) – D10–6 (UL)	Below 1 Ω
B5–8 (PKL) – Body ground	10 kΩ or higher
B5–13 (PKUL) – Body ground	10 kΩ or higher
B5–11 (LSWP) – Body ground	10 kΩ or higher
B7–1 (ACT+) – Body ground	10 kΩ or higher
B7–6 (ACT–) – Body ground	10 kΩ or higher

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

OK

REPLACE MULTIPLEX NETWORK BODY ECU