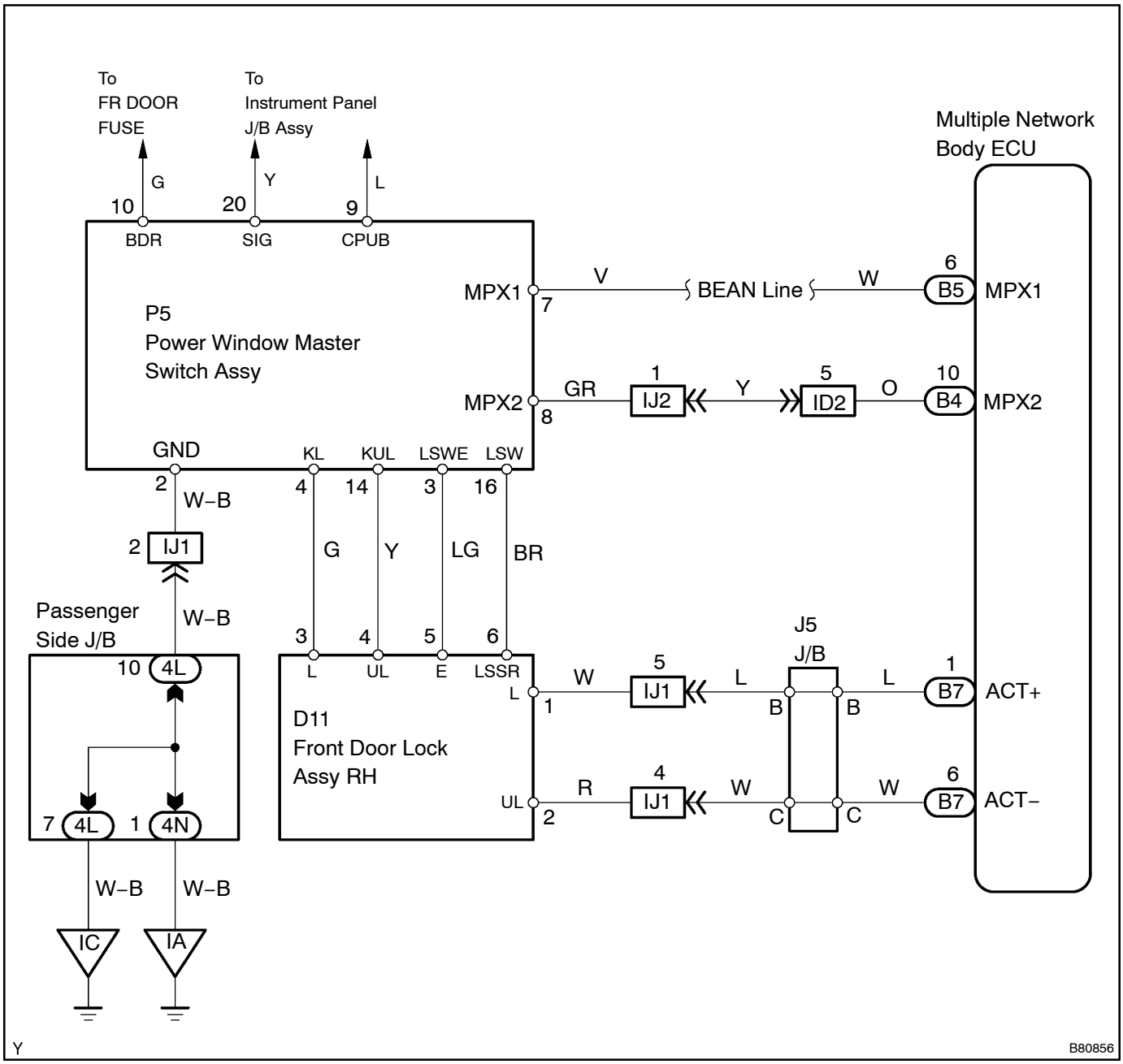
DTC	B1222/22	DOOR LOCK SWITCH CIRCUIT ON DRIVER DOOR

CIRCUIT DESCRIPTION

This DTC will be output when the driver door unlock switch (for key operation) of the power window regulator master switch may be stuck ON.

DTC No	DTC Detection Condition	Trouble Area
B1222/22	Key lock and unlock switch is stuck	• Power window regulator master switch assy (door ECU) • Front door lock assy RH (driver side) • Multiplex network body ECU

WIRING DIAGRAM



INSPECTION PROCEDURE

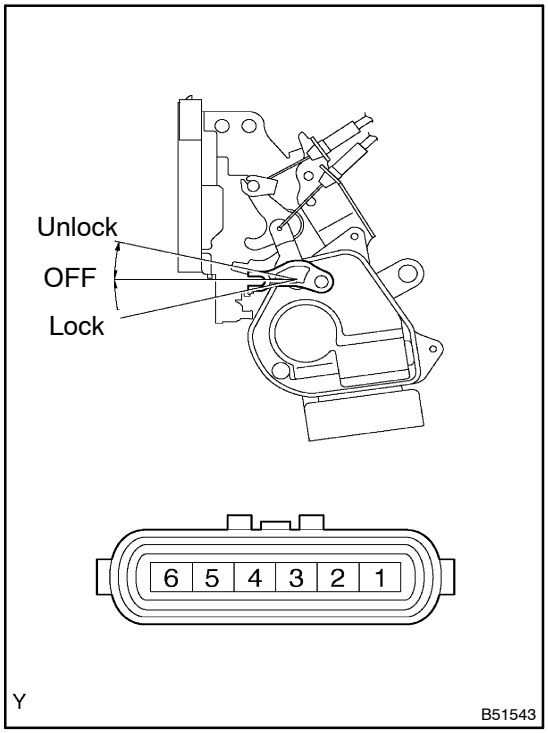
1	CHECK DTC OUTPUT

(a) When the power window regulator master switch is disconnected, a DTC should be output. Check that DTC B1222/22 disappears and that only DTC B1211/11 (driver side door ECU not connected) is output.
   (1) If DTC B1222/22 disappears, proceed to A.
   (2) If DTC B1222/22 is output, proceed to B.

B → REPLACE MULTIPLEX NETWORK BODY ECU

A

2 INSPECT FRONT DOOR LOCK ASSY RH

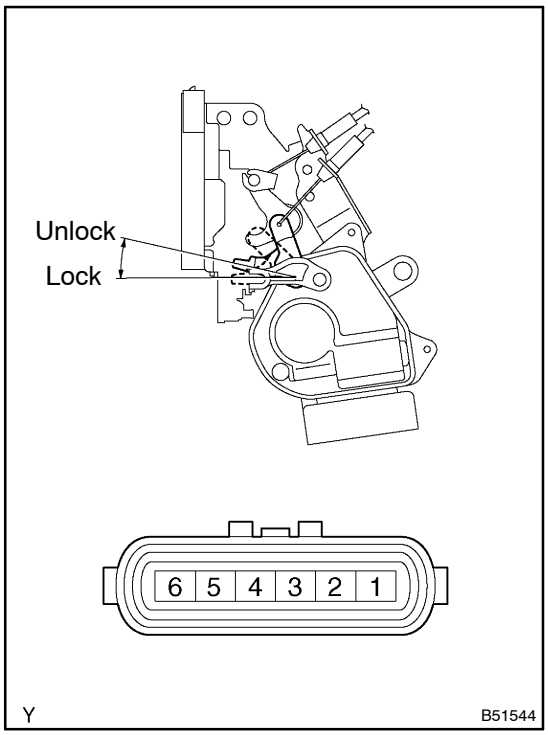


(a) Check the door lock and unlock switch.

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

Standard:

Tester Connection	Switch Condition	Specified Condition
3 – 5	Lock	Below 1 Ω
–	OFF	10 kΩ or higher
4 – 5	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 1 Battery negative (–) – Terminal 2	Lock
Battery positive (+) – Terminal 2 Battery negative (–) – Terminal 1	Unlock

(c) Check the position switch.

(1) Measure the resistance of the position switch.

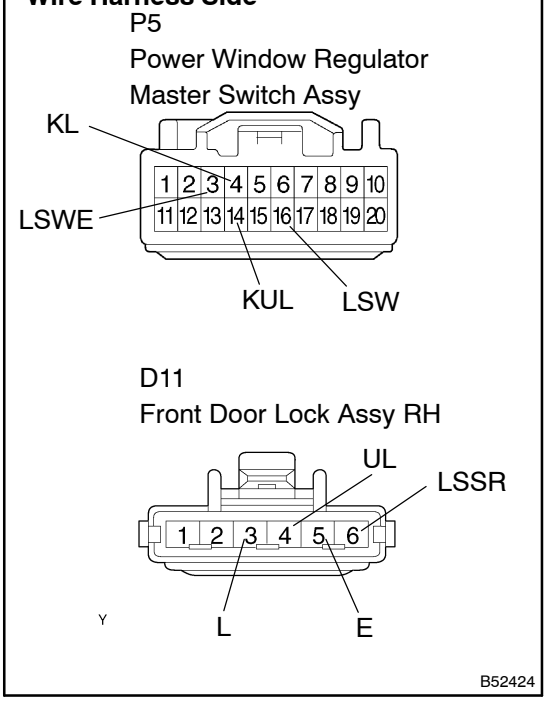
Standard:

Tester Connection	Door Lock Condition	Specified Condition
5 – 6	Lock	10 kΩ or higher
5 – 6	Unlock	Below 1 Ω

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

OK

3	**CHECK WIRE HARNESS (POWER WINDOW REGULATOR MASTER SWITCH ASSY (DOOR ECU) – FRONT DOOR LOCK ASSY RH)**



(a) Disconnect the P5 switch connector.

(b) Disconnect the D11 front door lock connector.

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

Standard:

Tester Connection	Specified Condition
P5–4 (KL) – D11–3 (L)	Below 1 Ω
P5–14 (KUL) – D11–4 (UL)	Below 1 Ω
P5–3 (LSWE) – D11–5 (E)	Below 1 Ω
P5–16 (LSW) – D11–6 (LSSR)	Below 1 Ω
P5–4 – Body ground	10 kΩ or higher
P5–14 – Body ground	10 kΩ or higher
P5–3 – Body ground	10 kΩ or higher
P5–16 – Body ground	10 kΩ or higher

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

OK

REPLACE POWER WINDOW REGULATOR MASTER SWITCH ASSY