

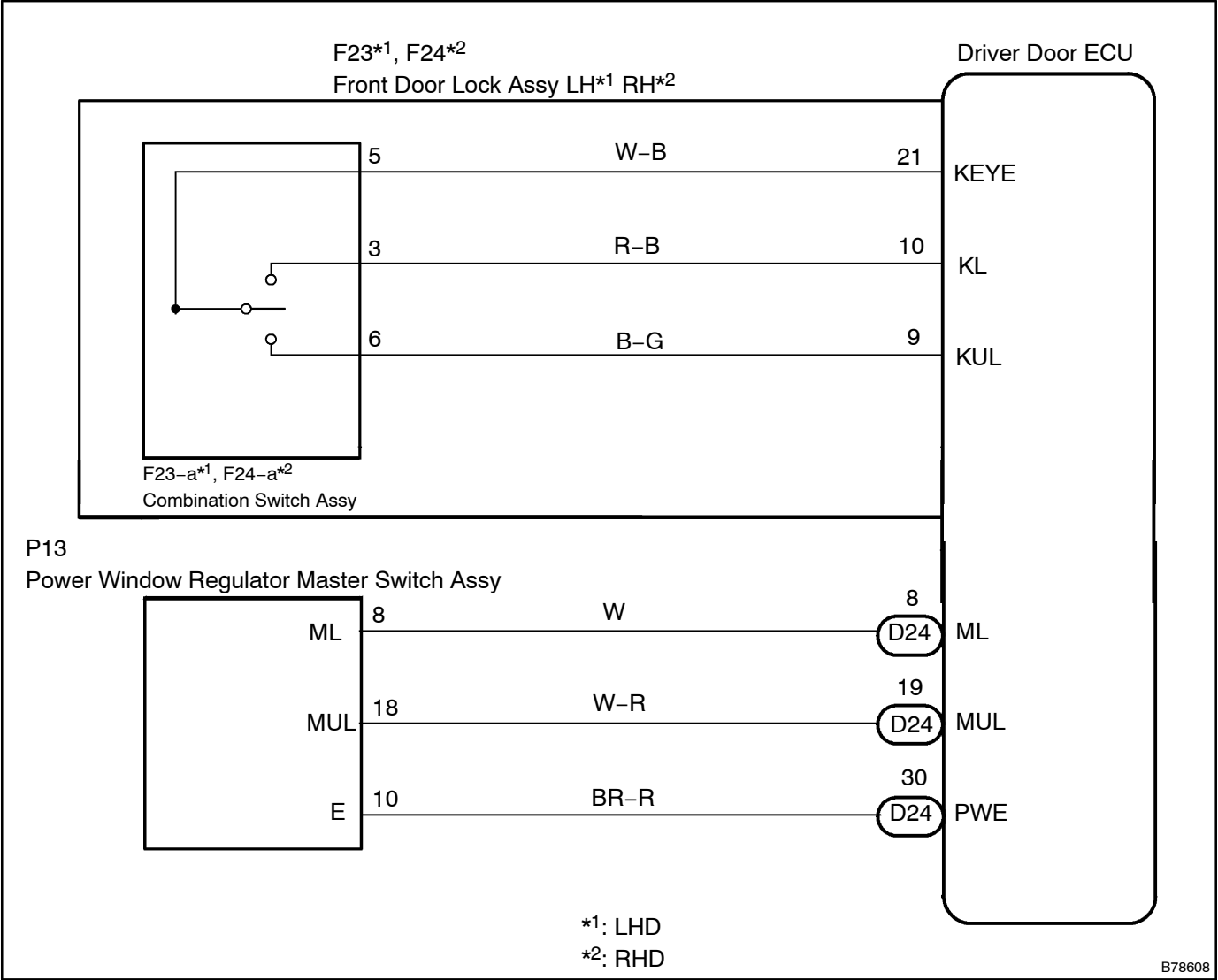
DTC	B1222	DOOR LOCK SWITCH CIRCUIT ON DRIVER DOOR
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CIRCUIT DESCRIPTION

DTC B1222 notifies how the door lock control switch and door key lock and unlock switch work. If this DTC is not output when one of the switches is operated, the switch contact is faulty. If this DTC is output when neither switch is operated, one of the switches is stuck. When a malfunction is detected in these switches, inspect each switch. Then, replace the malfunctioning switch. If no malfunction is detected in switches, check the wire harness.

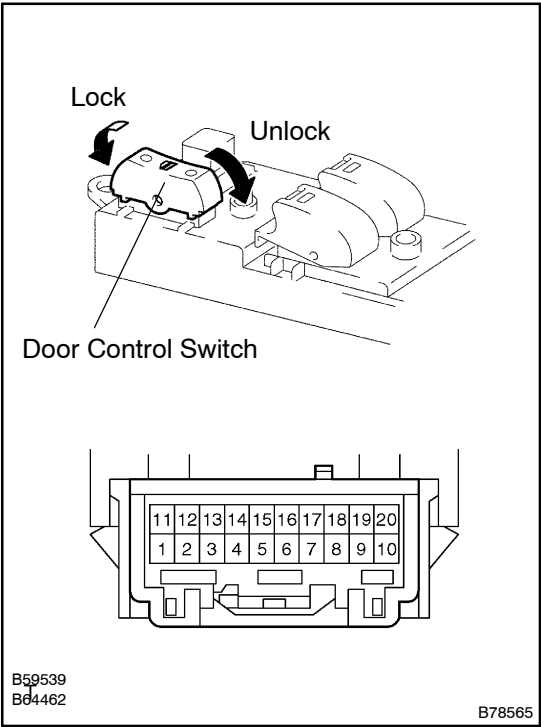
DTC No.	DTC Detecting Condition	Trouble Area
B1222	Door key lock and unlock switch are stuck	<ul style="list-style-type: none">•Door lock control switch•Door key lock and unlock switch•Wire harness•Driver door ECU

WIRING DIAGRAM



INSPECTION PROCEDURE

1 INSPECT POWER WINDOW REGULATOR MASTER SWITCH ASSY (DOOR CONTROL SWITCH)



- (a) Measure the resistance of the door control switch.
Standard:

Tester Connection	Switch Condition	Specified Condition
8 - 10	Lock	Below 1 Ω
8 - 10 10 - 18	OFF	10 k Ω or higher
10 - 18	Unlock	Below 1 Ω

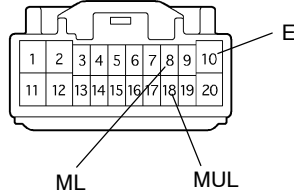
NG REPLACE POWER WINDOW REGULATOR MASTER SWITCH ASSY

OK

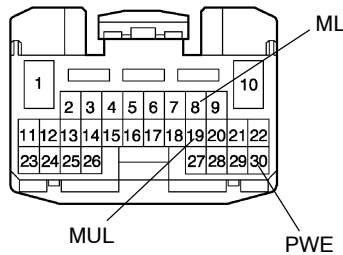
2 CHECK WIRE HARNESS (POWER WINDOW REGULATOR MASTER SWITCH ASSY (DOOR CONTROL SWITCH) - DRIVER DOOR ECU)

Wire Harness Side

P13
PowerWindowRegulatorMasterSwitch Assy



D24
Driver Door ECU



B66190
B66167

B78566

- (a) Disconnect the P13 switch and D24 ECU connectors.
- (b) Measure the resistance of the wire harness side connectors.

Standard:

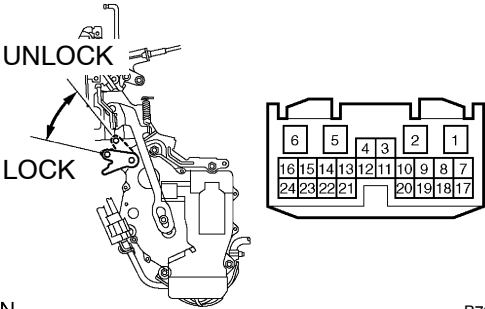
Tester Connection	Specified Condition
P13-8 (ML) - D24-8 (ML)	Below 1 Ω
P13-18 (MUL) - D24-19 (MUL)	Below 1 Ω
P13-10 (E) - D24-30 (PWE)	Below 1 Ω

NG

REPAIR OR REPLACE HARNESS AND CONNECTOR

OK

3 CHECK FRONT DRIVER DOOR LOCK ASSY (DOOR UNLOCK DETECTION SWITCH)



N

B79132

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

Standard:

Tester Connection	Door Lock Position	Specified Condition
10 - 21	Lock	Below 1 Ω
9 - 21, 10 - 21	OFF	10 k Ω or higher
9 - 21	Unlock	Below 1 Ω

NG

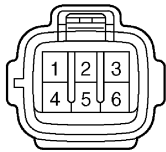
REPAIR OR REPLACE FRONT DOOR LOCK ASSY LH

OK

4

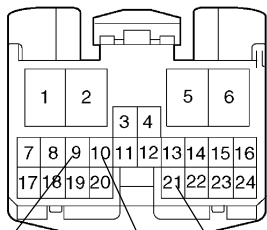
CHECK WIRE HARNESS (FRONT DRIVER DOOR LOCK ASSY LH – DRIVER DOOR ECU)

w/ Door Closer
Wire Harness Side
F23-a*1, F24-a*2
Front Door Lock Assy LH*1, RH*2 (Combination Switch)



Y

F23*1, F24*2
Driver Door ECU



B74441
B62225
Y

KUL

KL

KEYE

*1: LHD
*2: RHD

B78753

- (a) Disconnect the F23-a*1 or F24-a*2 lock, and F23*1 or F24*2 ECU connectors.
- (b) Measure the resistance of the wire harness side connectors.

Standard:
LHD models

Tester Connection	Specified Condition
F23-a-3 – F23-10 (KL)	Below 1 Ω
F23-a-6 – F23-9 (KUL)	Below 1 Ω
F23-a-5 – F23-21 (KEYE)	Below 1 Ω

RHD models

Tester Connection	Specified Condition
F24-a-3 – F24-10 (KL)	Below 1 Ω
F24-a-6 – F24-9 (KUL)	Below 1 Ω
F24-a-5 – F24-21 (KEYE)	Below 1 Ω

NG

REPAIR OR REPLACE HARNESS AND CONNECTOR

OK

REPLACE DRIVER DOOR ECU