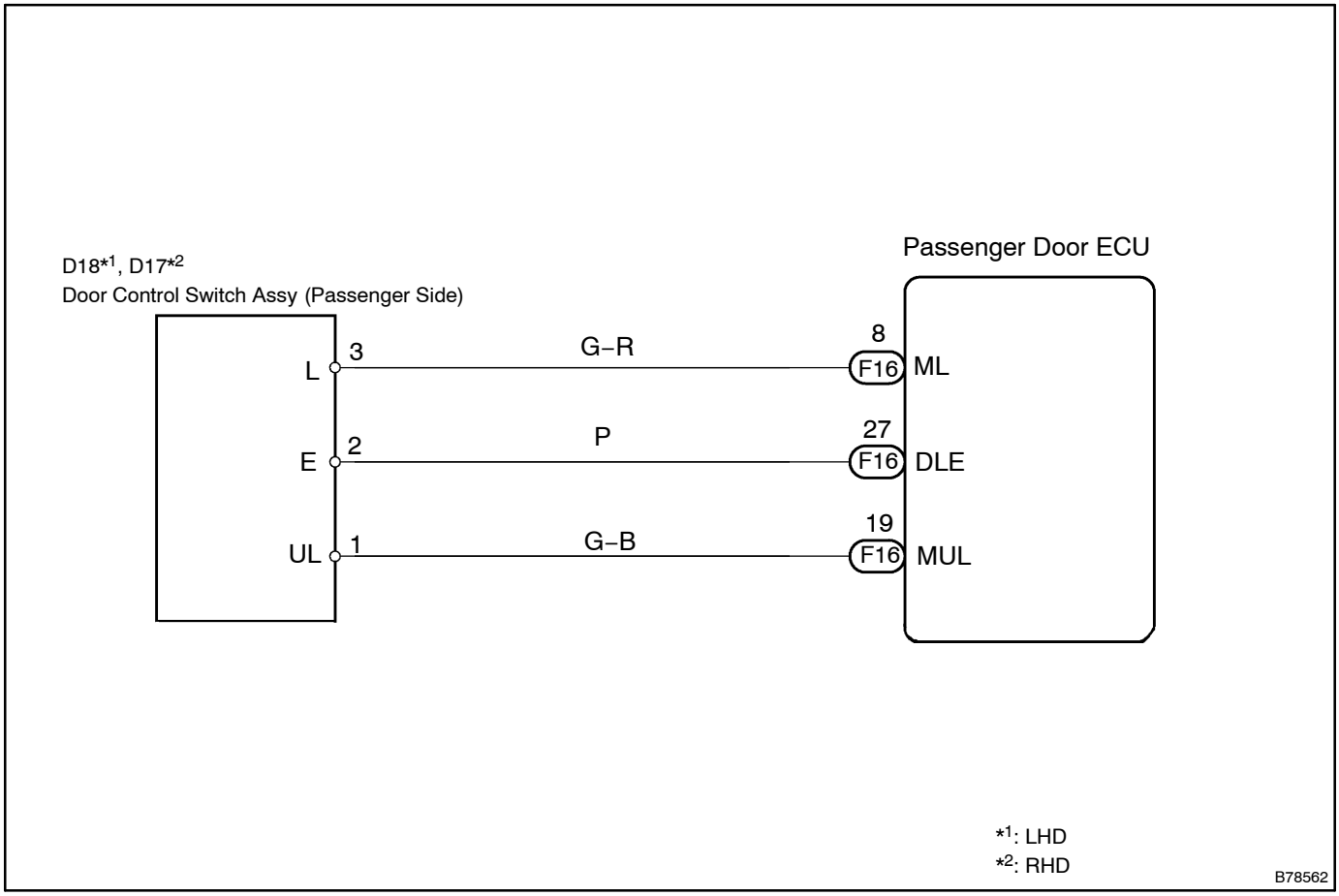
DTC	B1224	DOOR LOCK SWITCH CIRCUIT ON PASSENGER DOOR

CIRCUIT DESCRIPTION

DTC B1224 notifies how the door lock control switch works. If this DTC is not output when the switch is operated, the switch contact is faulty. If this DTC is output when the switch is not operated, the switch is stuck. When a malfunction is detected in the switch, inspect the switch. Then replace it. If no malfunction is detected in the switch, check the wire harness.

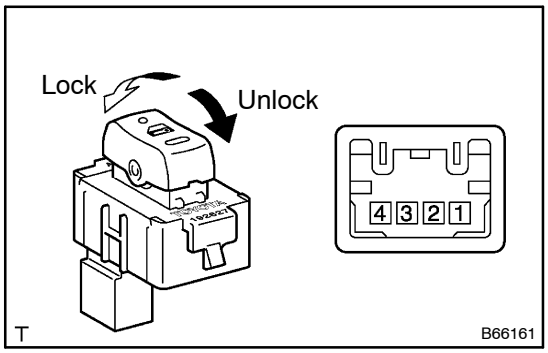
DTC No.	DTC Detecting Condition	Trouble Area
B1224	Door lock switch is stuck	• Door lock control switch • Wire harness • Passenger door ECU

WIRING DIAGRAM



INSPECTION PROCEDURE

1 INSPECT DOOR CONTROL SWITCH ASSY



(a) Measure the resistance of the switch.

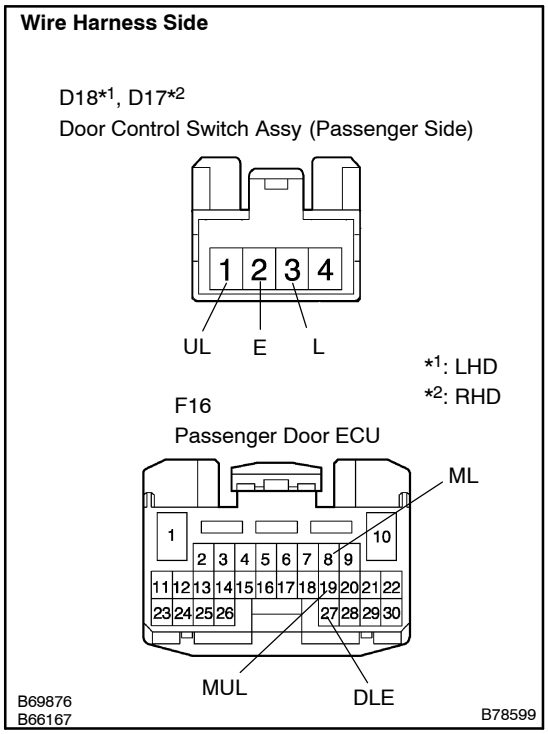
Standard:

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

NG → **REPLACE DOOR CONTROL SWITCH ASSY**

OK

2 CHECK WIRE HARNESS (DOOR CONTROL SWITCH ASSY – PASSENGER DOOR ECU)



(a) Disconnect the D18 switch and F16 ECU connectors.

(b) Measure the resistance of the wire harness side connectors.

Standard:

LHD models

Tester Connection	Specified Condition
D18–3 (L) – F16–8 (ML)	Below 1 Ω
D18–1 (UL) – F16–19 (MUL)	Below 1 Ω
D18–2 (E) – F16–27 (DLE)	Below 1 Ω

RHD models

Tester Connection	Specified Condition
D17–3 (L) – F16–8 (ML)	Below 1 Ω
D17–1 (UL) – F16–19 (MUL)	Below 1 Ω
D17–2 (E) – F16–27 (DLE)	Below 1 Ω

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

OK

REPLACE PASSENGER DOOR ECU