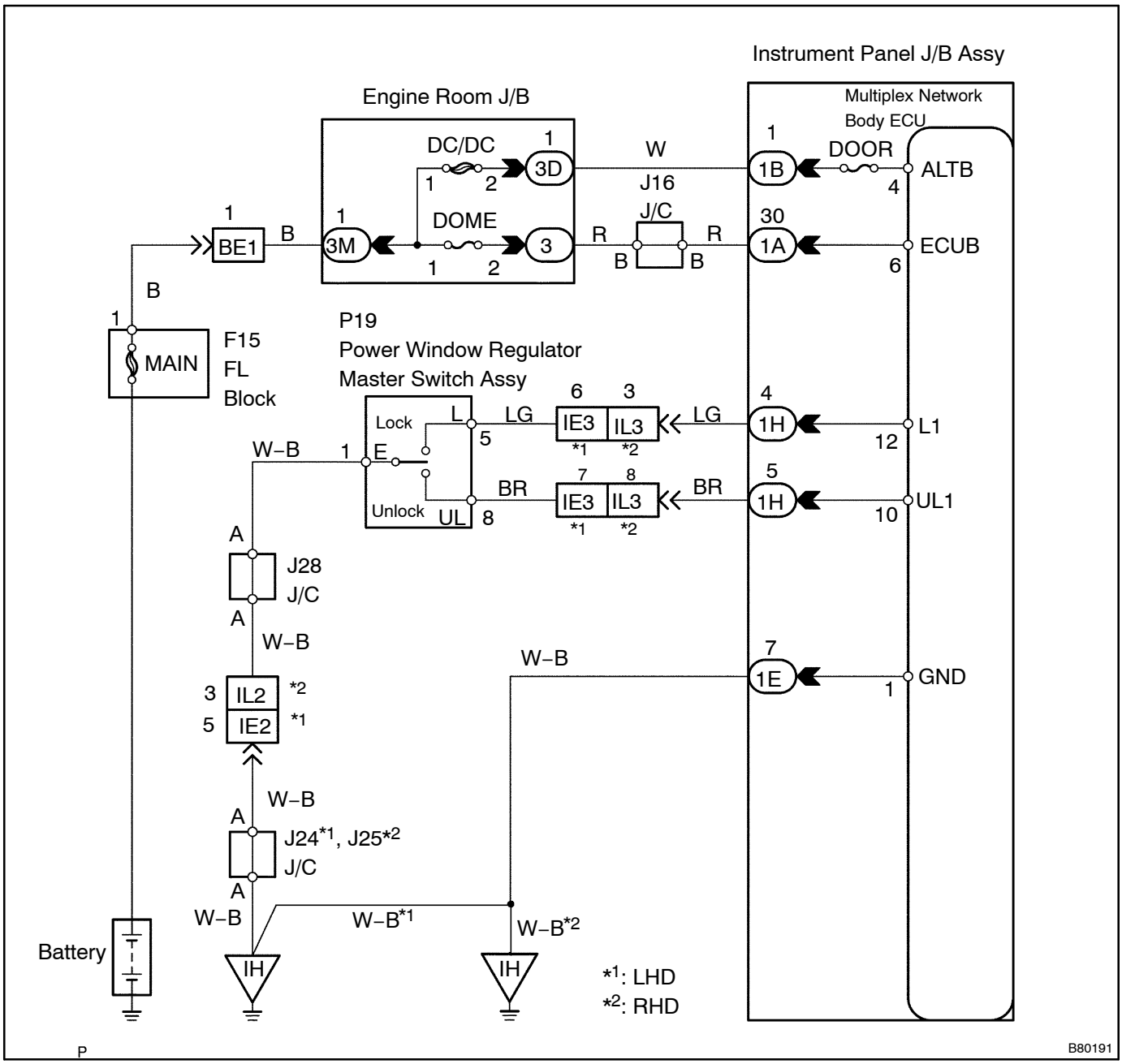
DTC B1241 BODY ECU SWITCH CIRCUIT DIAGNOSIS

CIRCUIT DESCRIPTION

This DTC shows how the switch works as follows:
If the DTC is not output when operating the switch, switch contact has failed. If a DTC is output when not operating the switch, it means the switch is ON (OFF) or stuck. When something wrong is found by this diagnosis, inspect each switch. Replace the switch if there is a problem or check the body ECU and wire harness.

DTC No.	DTC Detecting Condition	Trouble Area
B1241	Door control switch on master switch assembly is in lock/unlock position (ON) or stuck	• Power window regulator master switch assy • Instrument panel J/B assy (Multiplex network body ECU) • Wire harness

WIRING DIAGRAM



INSPECTION PROCEDURE

1	INSPECT FUSE (DOOR)

(a) Remove the DOOR fuse from the instrument panel J/B.
(b) Measure the resistance.
Standard: Below 1 Ω

NG → **REPLACE FUSE**

OK

2	READ VALUE OF INTELLIGENT TESTER II (DOOR CONTROL SWITCH)

(a) Check the DATA LIST for proper functioning of the door control switch.
Multiplex network body ECU:

Item	Measurement Item/Display (Range)	Normal Condition	Diagnostic Note
D/L SW–Lock	Door control switch lock signal /ON or OFF	ON: Door control switch is in the LOCK position OFF: Door control switch is not in the LOCK position	–
D/L SW–Unlock	Door control switch unlock signal /ON or OFF	ON: Door control switch is in the UNLOCK position OFF: Door control switch is not in the UNLOCK position	–

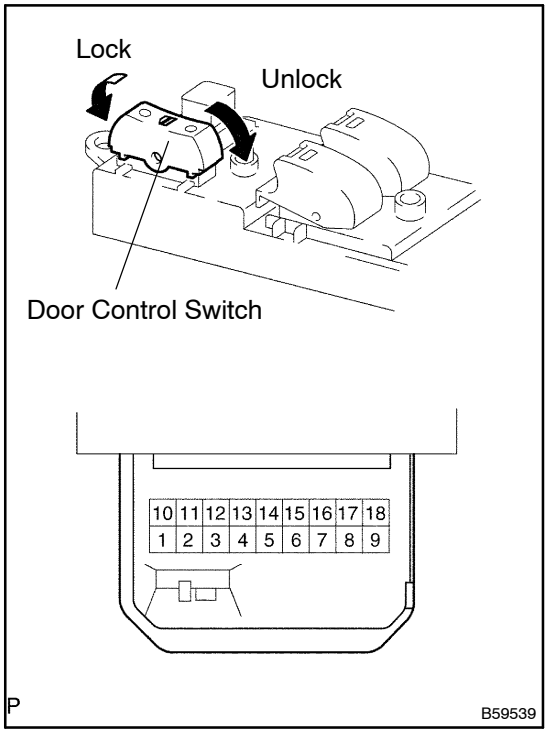
OK: ”ON” (door is locked/unlocked) appears on the screen.

NG → **Go to step 3**

OK

Go to step 5

3	**INSPECT POWER WINDOW REGULATOR MASTER SWITCH ASSY (DOOR CONTROL SWITCH)**



(a) Measure the resistance of the door control switch.

Standard:

Tester Connection	Door Lock Condition	Specified Condition
1 – 5	Lock	Below 1 Ω
1 – 5 1 – 8	OFF	10 kΩ or higher
1 – 8	Unlock	Below 1 Ω

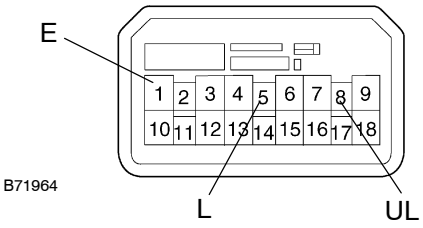
NG → **REPLACE POWER WINDOW REGULATOR MASTER SWITCH ASSY**

OK

4	**CHECK WIRE HARNESS (POWER WINDOW REGULATOR MASTER SWITCH ASSY (DOOR CONTROL SWITCH) – INSTRUMENT PANEL J/B ASSY AND BODY GROUND)**

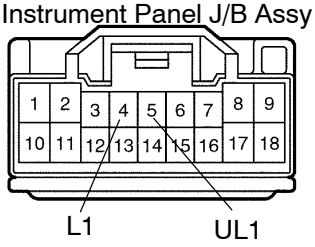
Wire Harness Side

P19
Power Window Regulator
Master Switch Assy



B71964

1H
Instrument Panel J/B Assy



B79240

B79546

(a) Disconnect the P19 switch and 1H J/B connectors.
(b) Measure the resistance of the wire harness side connectors.

Standard:

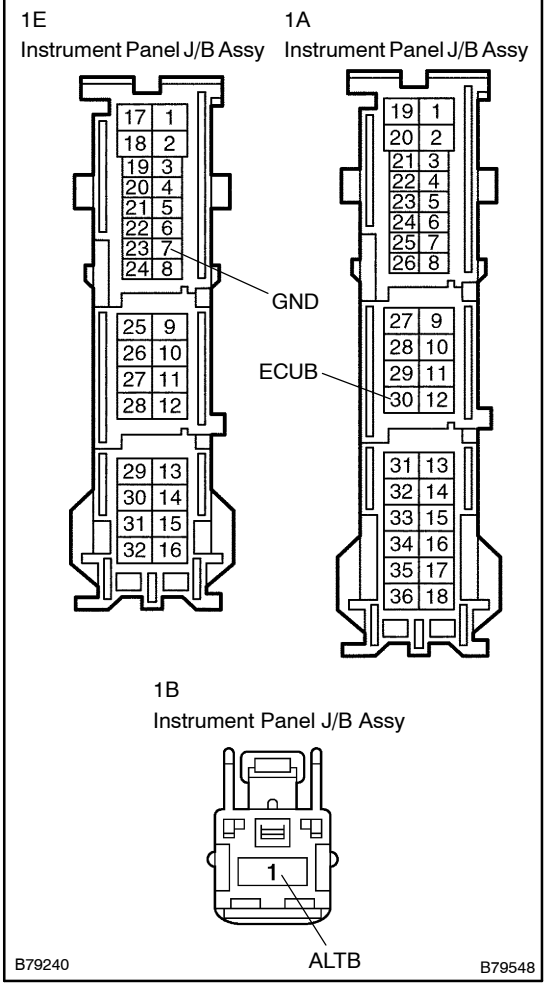
Tester Connection	Specified Condition
P19–5 (L) – 1H–4 (L1)	Below 1 Ω
P19–8 (UL) – 1H–5 (UL1)	Below 1 Ω
P19–1 (E) – Body ground	Below 1 Ω

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

OK

5 CHECK WIRE HARNESS (INSTRUMENT PANEL J/B ASSY – BODY GROUND)

Wire Harness Side



(a) Disconnect the 1A, 1B and 1E J/B connectors.

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

Standard:

Tester Connection	Specified Condition
1B–1 (ALTB) – Body ground	10 to 14 V
1A–30 (ECUB) – Body ground	10 to 14 V
1E–7 (GND) – Body ground	Below 1 Ω

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

OK

REPLACE INSTRUMENT PANEL JUNCTION BLOCK ASSY (MULTIPLEX NETWORK BODY ECU)