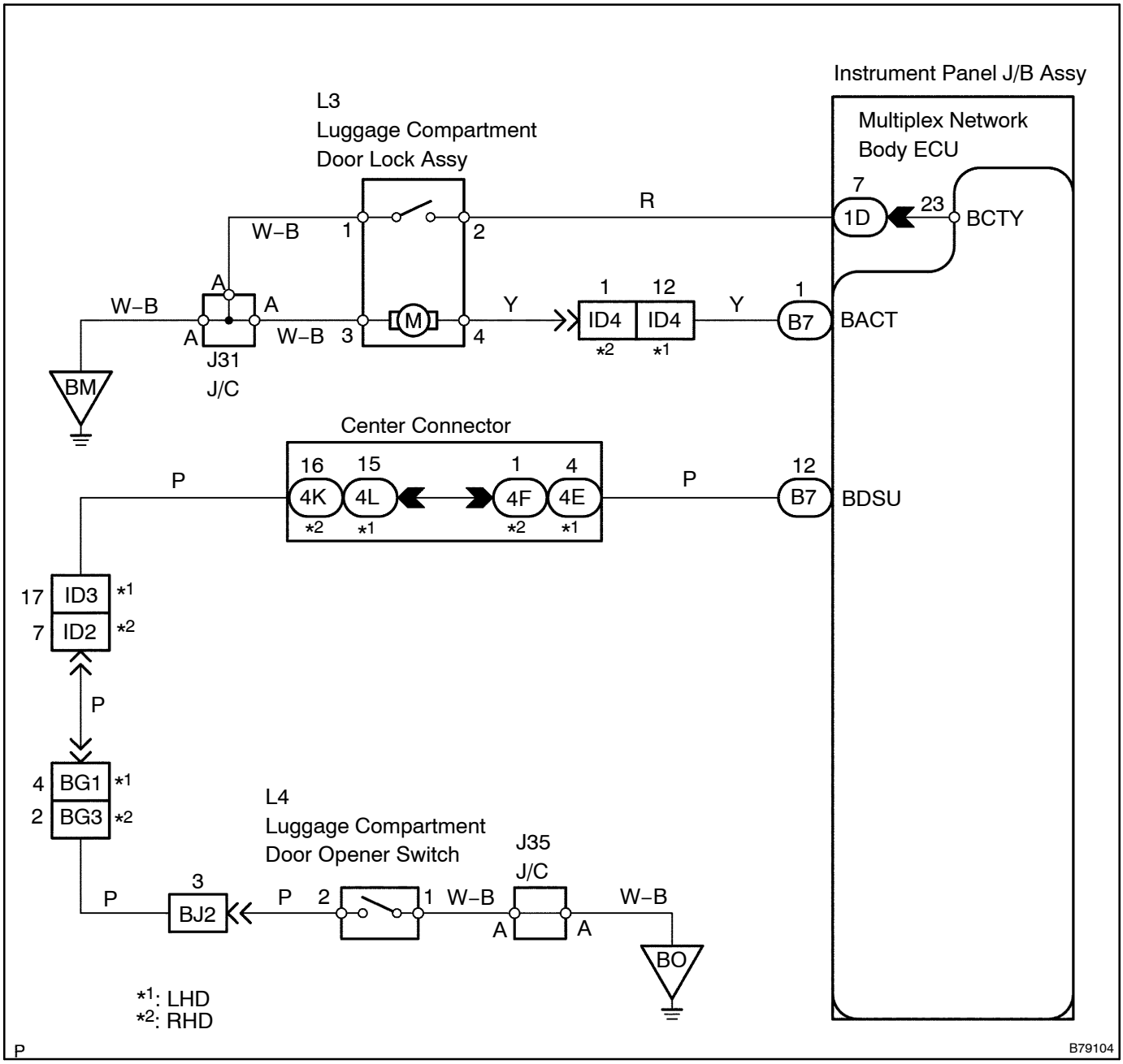
ONLY LUGGAGE DOOR LOCK/UNLOCK FUNCTIONS DO NOT OPERATE

CIRCUIT DESCRIPTION

The instrument panel J/B assy (multiplex network body ECU) receives switch signals from the power window regulator master switch assy and activates the luggage compartment door lock motor according to the signals.

WIRING DIAGRAM



INSPECTION PROCEDURE

1	READ VALUE OF INTELLIGENT TESTER II (LUGGAGE COMPARTMENT DOOR OPENER SWITCH AND DOOR OPEN JUDGMENT)

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

Item	Measurement Item/Display (Range)	Normal Condition	Diagnostic Note
B Dor Open SW	Luggage compartment door opener switch signal /ON or OFF	ON: Luggage compartment door opener switch is pushed OFF: Luggage compartment door opener switch is not pushed	–

OK: ”ON” (luggage compartment door opener switch is pushed) appears on the screen.

NG → **Go to step 2**

(b) Check the DATA LIST for proper functioning of the luggage compartment door open judgment.
Multiplex network body ECU:

Item	Measurement Item/Display (Range)	Normal Condition	Diagnostic Note
Back Dor Open	Luggage compartment door open judgment /PROHIBT or PERMIT	PROHIBT: Luggage compartment door opening is impossible PERMIT: Luggage compartment door opening is possible	–

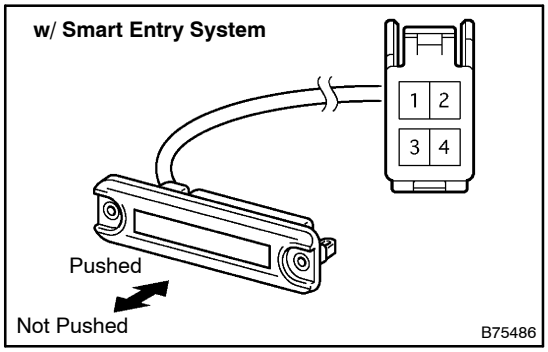
OK: ”PERMIT” (luggage compartment door can be opened) appears on the screen.

NG → **Go to step 4**

OK

Go to step 5

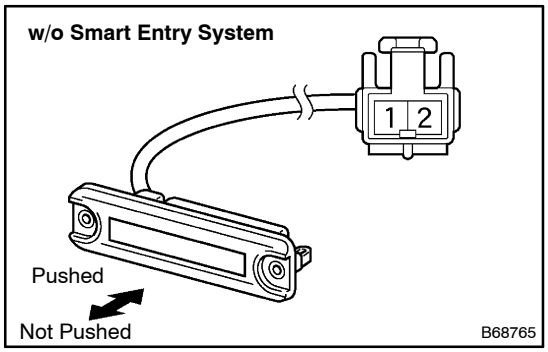
2 INSPECT LUGGAGE COMPARTMENT DOOR OPENER SWITCH ASSY



(a) Remove the opener switch.
(b) Measure the resistance of the switch.

Standard:

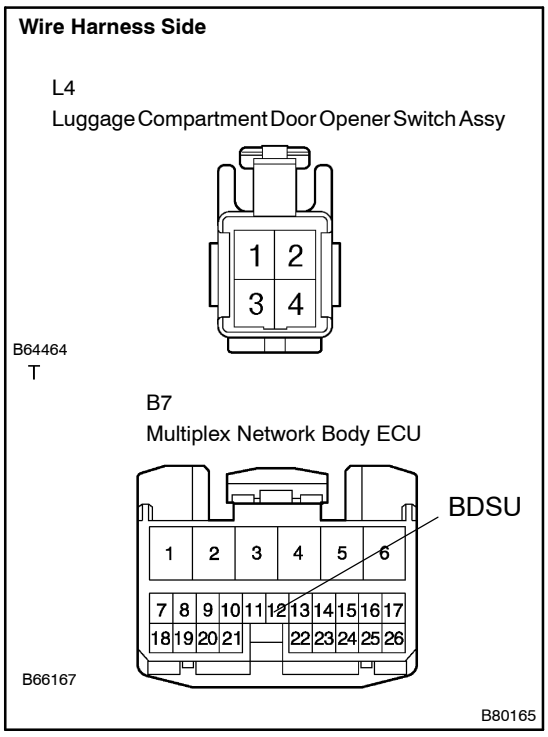
Tester Connection	Switch Condition	Specified Condition
1 – 2	Pushed (ON)	Below 1 Ω
1 – 2	Not pushed (OFF)	10 kΩ or higher



NG → **REPLACE LUGGAGE COMPARTMENT DOOR OPENER SWITCH ASSY**

OK

3 CHECK WIRE HARNESS (LUGGAGE COMPARTMENT DOOR OPENER SWITCH ASSY – MULTIPLEX NETWORK BODY ECU AND BODY GROUND)



(a) Disconnect the B7 ECU and L4 switch connectors.
(b) Measure the resistance of the wire harness side connectors.

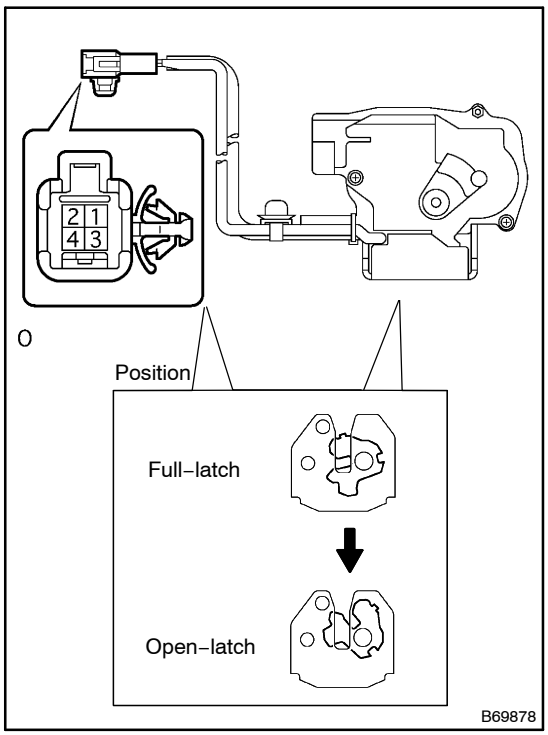
Standard:

Tester Connection	Specified Condition
L4–2 – B7–12 (BDSU)	Below 1 Ω
L4–1 – Body ground	Below 1 Ω

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

OK

4 INSPECT LUGGAGE COMPARTMENT DOOR LOCK ASSY (DOOR LOCK MOTOR)



(a) Check operation of the door lock.
  (1) Using a screwdriver, move the latch to the full–latch position.
  (2) Apply battery voltage to the door lock and check operation the latch.

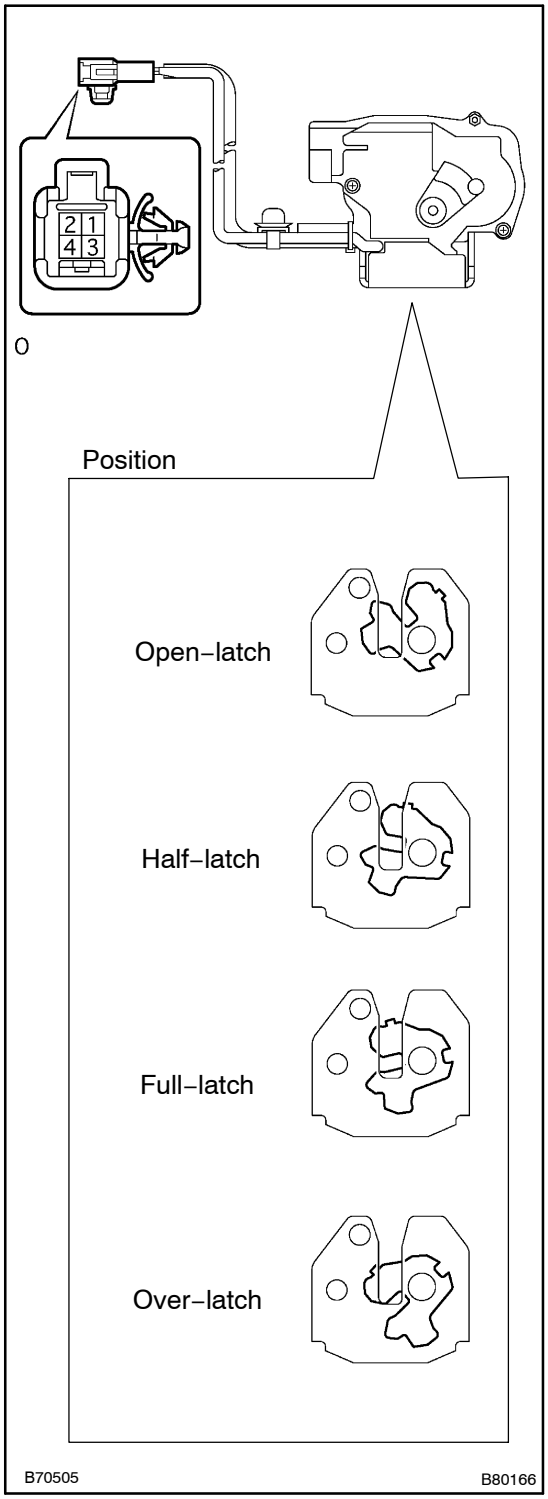
OK:

Measurement Condition	Specified Condition
Battery positive (+) → Terminal 4 Battery negative (–) → Terminal 3	Latch turns to open–latch position

NG → **REPLACE LUGGAGE COMPARTMENT DOOR LOCK ASSY**

OK

5 INSPECT LUGGAGE COMPARTMENT DOOR LOCK ASSY (SWITCH)



(a) Check the resistance of the courtesy switch.
Standard:

Tester Connection	Switch Condition	Specified Condition
1 – 2	Open–latch	Below 1 Ω
1 – 2	Half–latch	Below 1 Ω
1 – 2	Full–latch	10 kΩ or higher
1 – 2	Over–latch	10 kΩ or higher

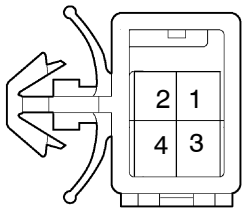
NG → **REPLACE LUGGAGE COMPARTMENT DOOR LOCK ASSY**

OK

6	**CHECK WIRE HARNESS (LUGGAGE COMPARTMENT DOOR LOCK ASSY – MULTIPLEX NETWORK BODY ECU, INSTRUMENT PANEL J/B ASSY AND BODY GROUND)**

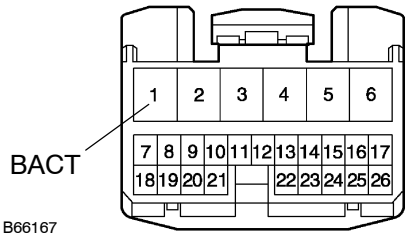
Wire Harness Side

L3
Luggage Compartment Door Lock Assy



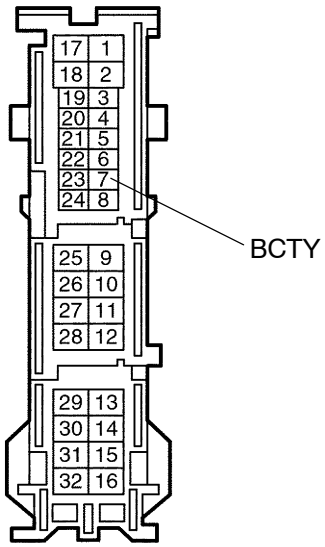
B66814
T

B7
Multiplex Network Body ECU



B66167

1D
Instrument Panel J/B Assy



B79240
T

B80167

(a) Disconnect the L3 lock connector.
(b) Disconnect the B7 ECU and 1D J/B connectors.
(c) Measure the resistance of the wire harness side connectors.

Standard:

Tester Connection	Specified Condition
L3–2 – 1D–7 (BCTY)	Below 1 Ω
L3–4 – B7–1 (BACT)	Below 1 Ω
L3–1 – Body ground	Below 1 Ω
L3–3 – Body ground	Below 1 Ω

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

OK

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