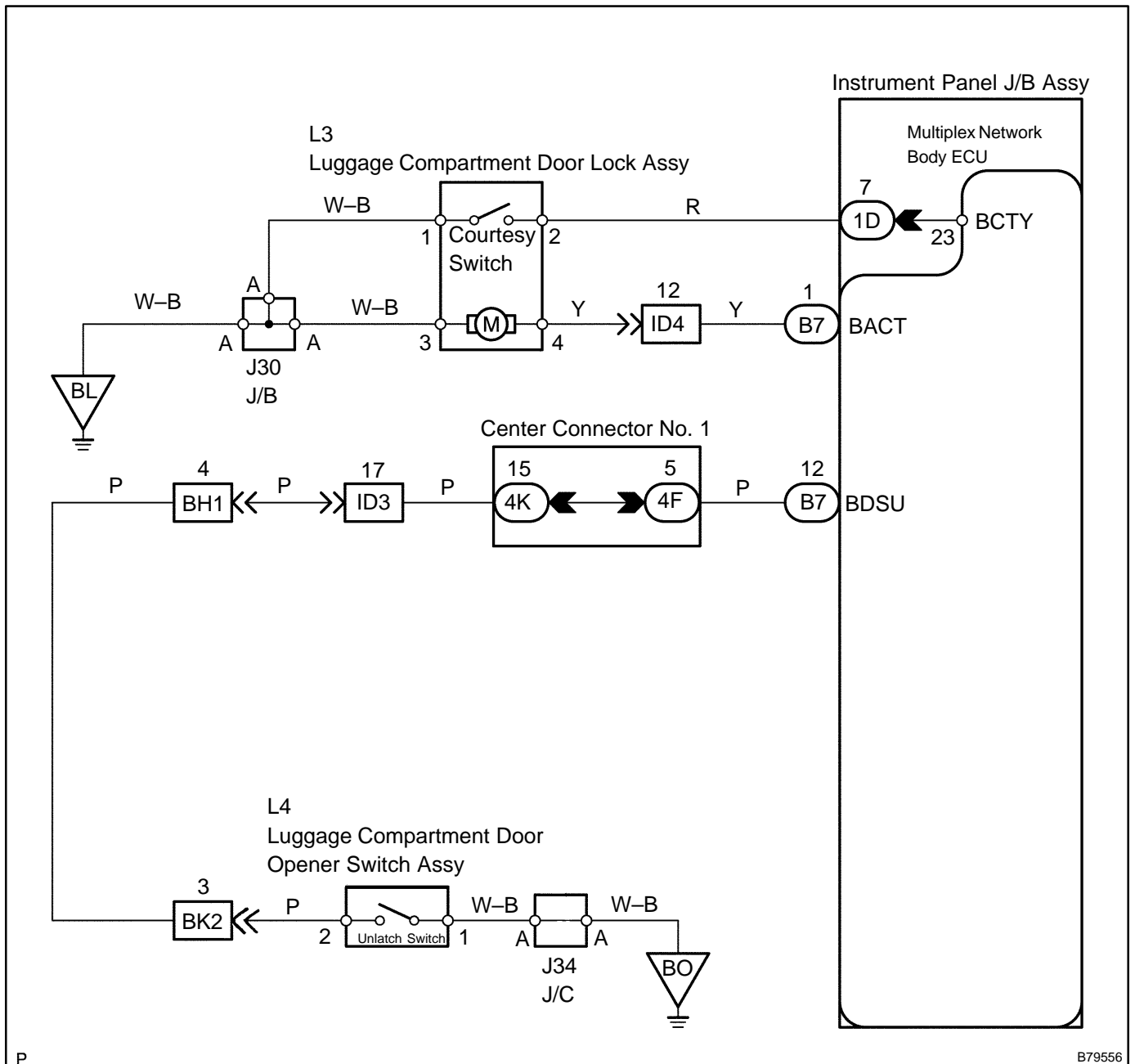


**ONLY LUGGAGE DOOR LOCK/UNLOCK FUNCTIONS DO NOT OPERATE**

**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 HAND-HELD TESTER

- (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
TRNK/B 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.**

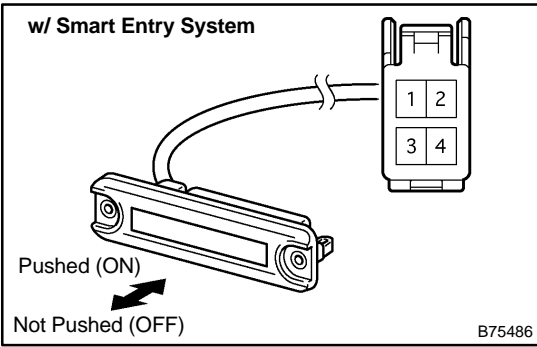
**NG** 

**Go to step 4**

**OK** 

**Go to step 5**

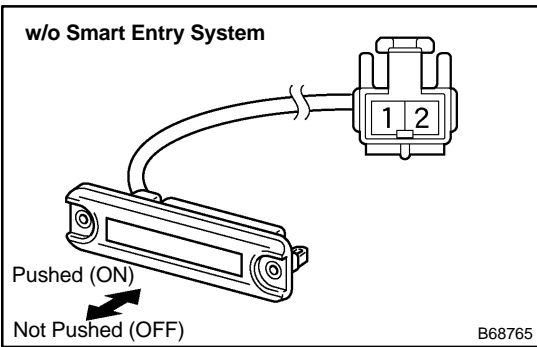
**2 INSPECT LUGGAGE COMPARTMENT DOOR OPENER SWITCH ASSY**



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

**Standard:**

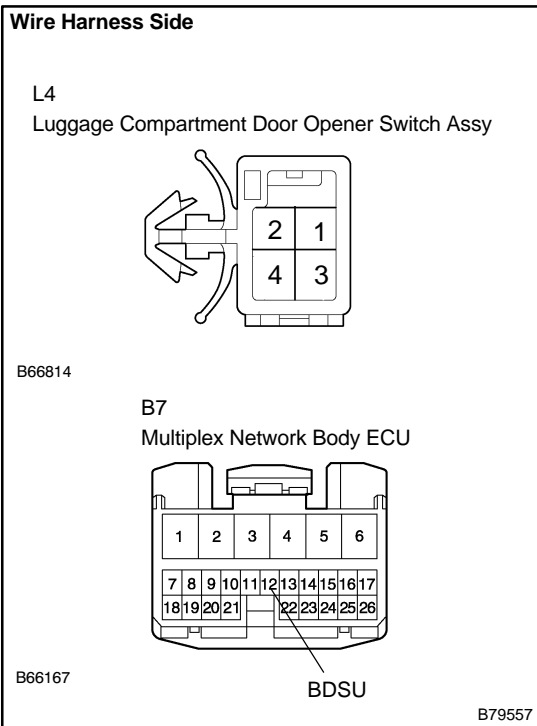
Tester Connection	Switch Condition	Specified Condition
1 - 2	Pushed (ON)	Below 1 Ω
1 - 2	Not pushed (OFF)	10 kΩ or higher



**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.

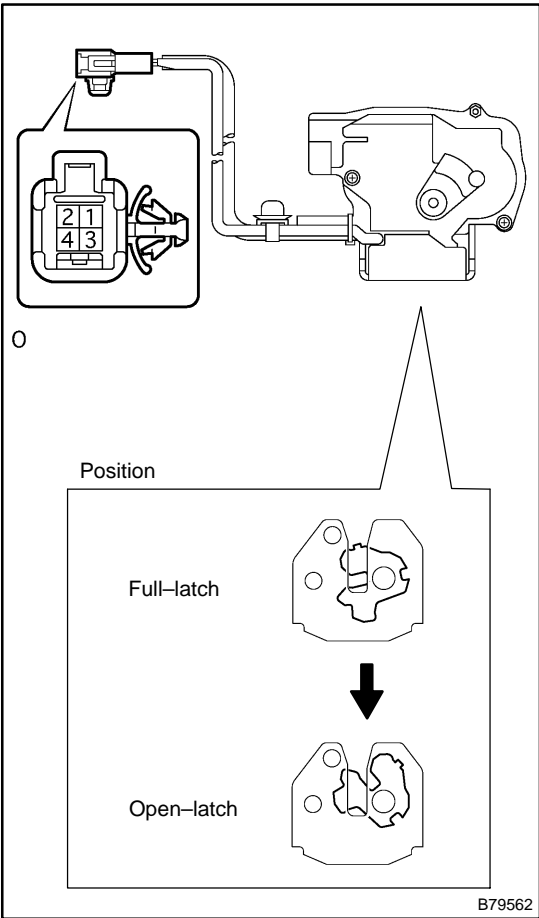
**Standard:**

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.

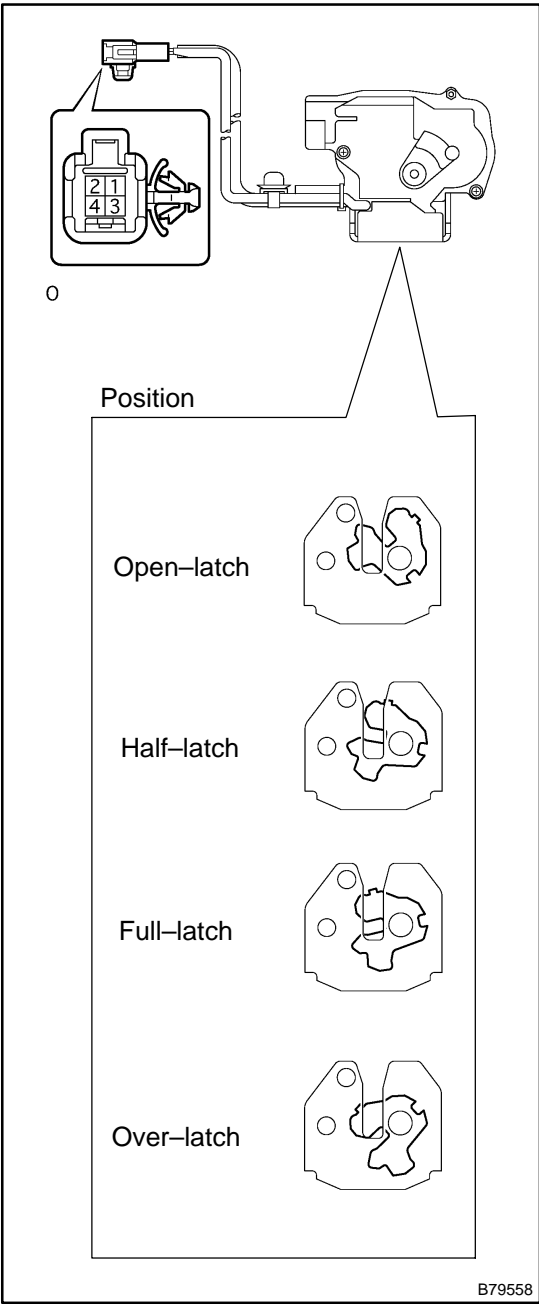
**OK:**

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

**OK**

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

**5 INSPECT LUGGAGE COMPARTMENT DOOR LOCK ASSY (COURTESY SWITCH)**



(a) Measure the resistance of the 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

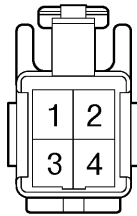
**OK**

**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

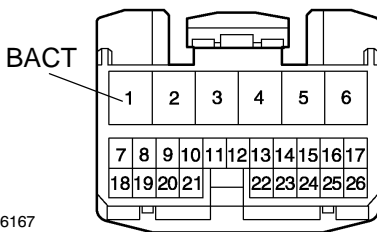
Luggage Compartment Door Lock Assy



B64464  
T

B7

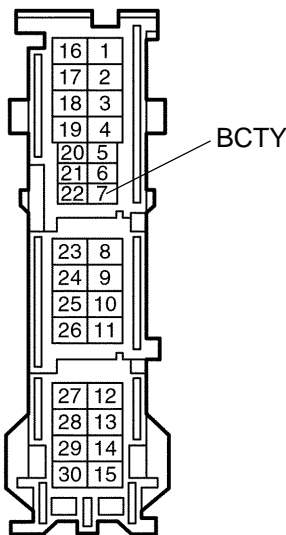
Multiplex Network Body ECU



B66167

1D

Instrument Panel J/B Assy



B79240

B79559

- (a) Disconnect the L3 lock, B7 ECU and 1D J/B connectors.
- (b) 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)**