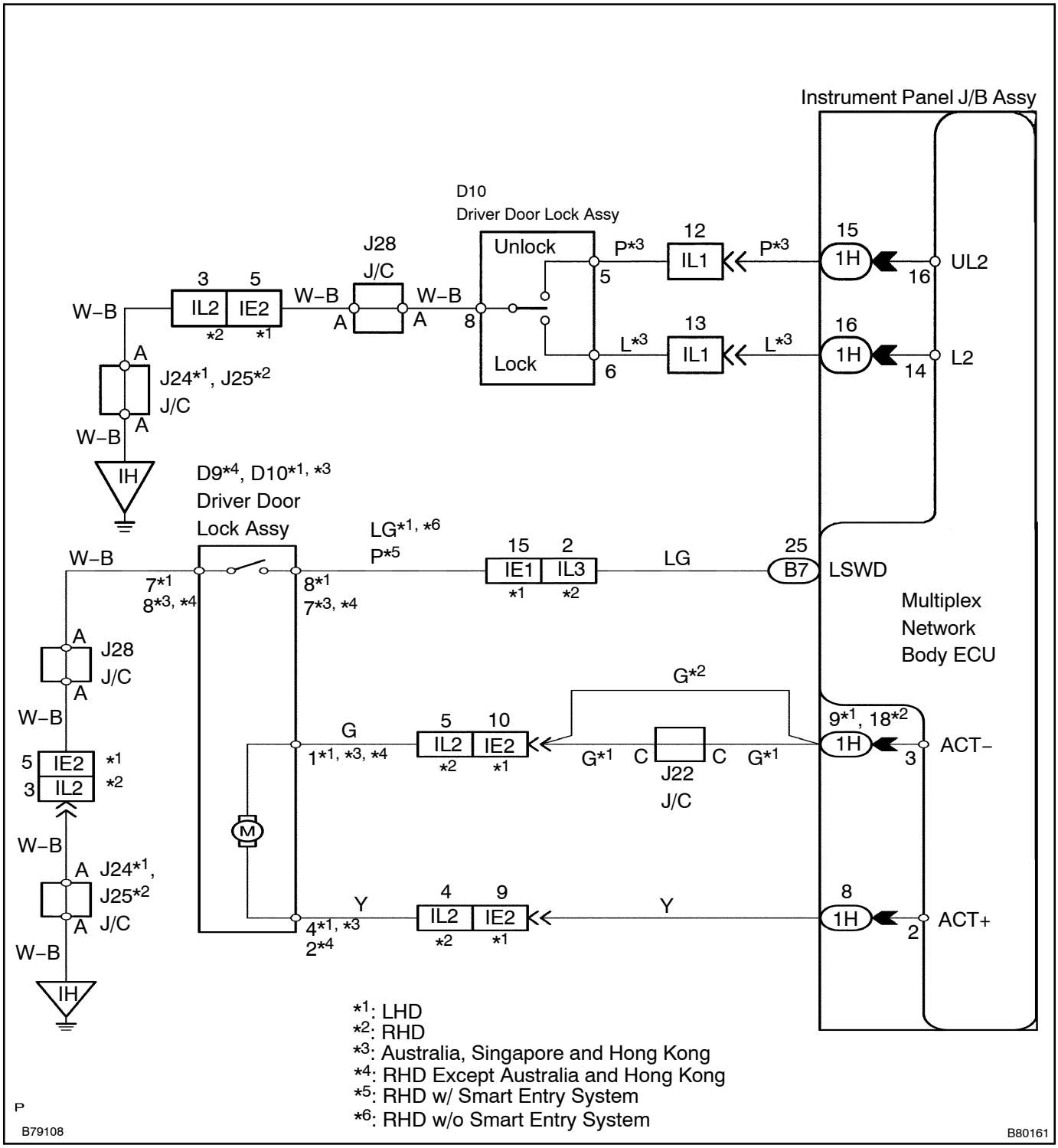
ONLY DRIVER DOOR LOCK/UNLOCK FUNCTIONS DO NOT OPERATE

CIRCUIT DESCRIPTION

The instrument panel J/B assy (multiplex network body ECU) receives lock/unlock switch signals and activates the door lock motor according to the signals.

WIRING DIAGRAM



INSPECTION PROCEDURE

1	PERFORM ACTIVE TEST USING INTELLIGENT TESTER II

(a) Select the ACTIVE TEST, use the intelligent tester II to generate a control command, and then check that the power door lock operates.

Multiplex network body ECU:

Item	Test Details	Diagnostic Note
Door Lock	Operate door lock motor for all doors LOCK/UNLOCK	All doors are closed

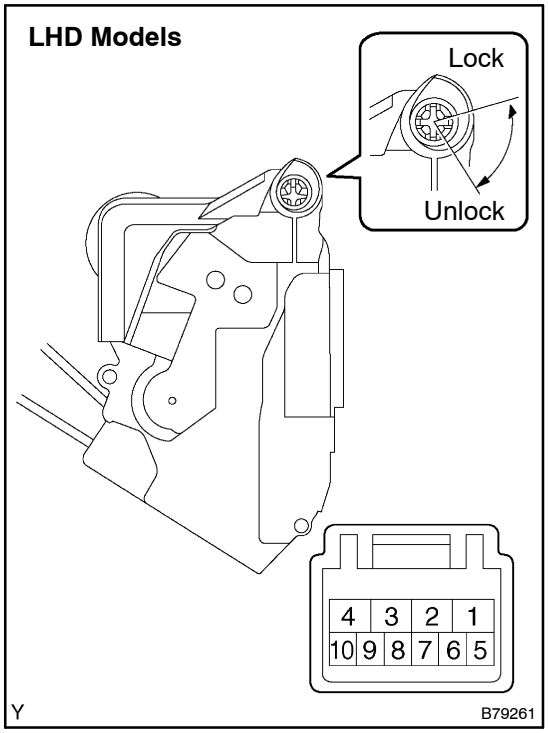
OK: Door can lock/unlock.

NG → **Go to step 2**

OK

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

2	**INSPECT DRIVER DOOR LOCK ASSY (DOOR LOCK AND UNLOCK SWITCH AND POSITION SWITCH)**



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

Standard:

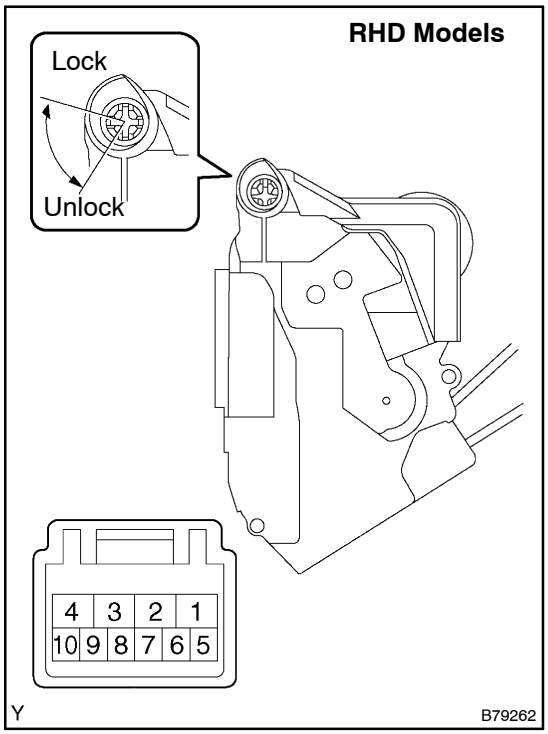
Door lock and unlock switch

(RHD models except Australia, Singapore and Hong Kong)

Tester Connection	Switch Condition	Specified Condition
6 – 8	Lock	Below 1 Ω
5 – 8 6 – 8	OFF	10 kΩ or higher
5 – 8	Unlock	Below 1 Ω

Position Switch

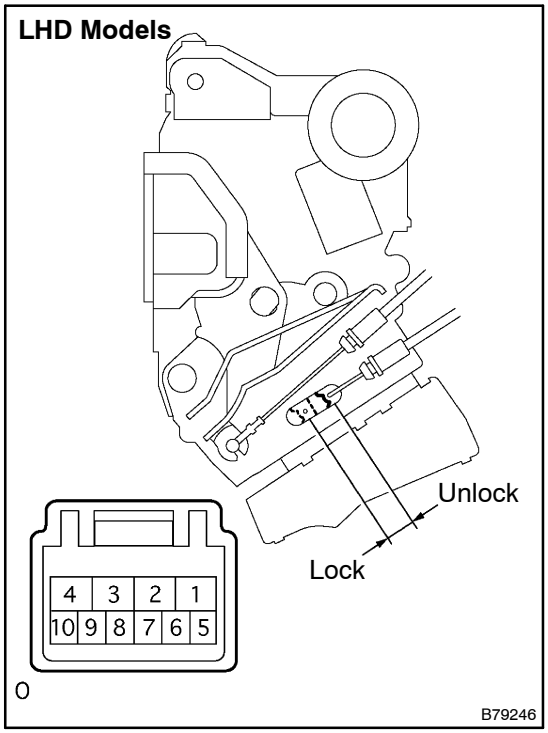
Tester Connection	Switch Condition	Specified Condition
7 – 8	Lock	10 kΩ or higher
7 – 8	Unlock	Below 1 Ω



NG → **REPLACE DRIVER DOOR LOCK ASSY**

OK

3 INSPECT DRIVER DOOR LOCK ASSY (DOOR LOCK MOTOR)



(a) Apply battery voltage to the door lock and check operation of the door lock motor.

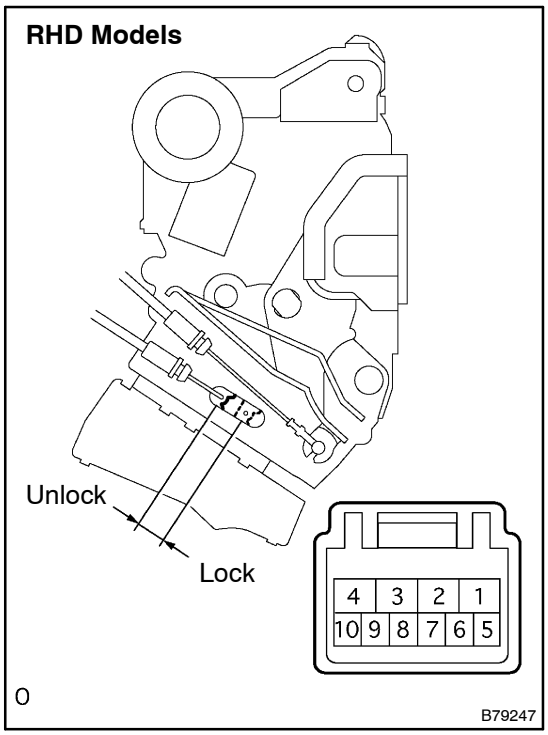
OK:

LHD and Australia, Singapore and Hong Kong models

Measurement Condition	Specified Condition
Battery positive (+) → Terminal 4 Battery negative (–) → Terminal 1	Lock
Battery positive (+) → Terminal 1 Battery negative (–) → Terminal 4	Unlock

RHD models except Australia, Singapore and Hong Kong

Measurement Condition	Specified Condition
Battery positive (+) → Terminal 2 Battery negative (–) → Terminal 1	Lock
Battery positive (+) → Terminal 1 Battery negative (–) → Terminal 2	Unlock



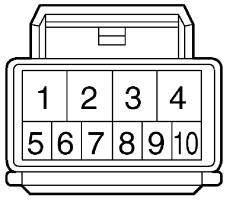
NG → **REPLACE DRIVER DOOR LOCK ASSY**

OK

4	CHECK WIRE HARNESS (DRIVER DOOR LOCK ASSY – MULTIPLEX NETWORK BODY ECU, INSTRUMENT PANEL J/B ASSY AND BODY GROUND)

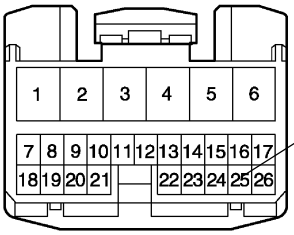
Wire Harness Side

D9*1/D10*2, 3
Driver Door Lock Assy



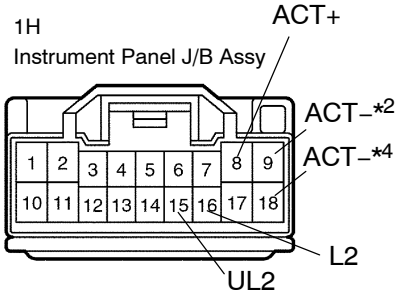
B68917

B7
Multiplex Network Body ECU



B66167

1H
Instrument Panel J/B Assy



B79240

*1: RHD Except Australia, Hong Kong
*2: LHD
*3: Australia, Singapore, Hong Kong
*4: RHD

B80269

(a) Disconnect the D9/D10 lock, B7 ECU and 1H J/B connectors.

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

Standard:

(LHD models)

Tester Connection	Specified Condition
D10–4 – 1H–8 (ACT+)	Below 1 Ω
D10–1 – 1H–9 (ACT–)	Below 1 Ω
D10–8 – B7–25 (LSWD)	Below 1 Ω
D10–7 – Body ground	Below 1 Ω

(Australia, Singapore and Hong Kong models)

Tester Connection	Specified Condition
D10–4 – 1H–8 (ACT+)	Below 1 Ω
D10–1 – 1H–18 (ACT–)	Below 1 Ω
D10–7 – B7–25 (LSWD)	Below 1 Ω
D10–6 – 1H–16 (L2)	Below 1 Ω
D10–5 – 1H–15 (UL2)	Below 1 Ω
D10–8 – Body ground	Below 1 Ω

(RHD models except Australia, Singapore and Hong Kong)

Tester Connection	Specified Condition
D9–2 – 1H–8 (ACT+)	Below 1 Ω
D9–1 – 1H–18 (ACT–)	Below 1 Ω
D9–7 – B7–25 (LSWD)	Below 1 Ω
D9–6 – 1H–16 (L2)	Below 1 Ω
D9–8 – Body ground	Below 1 Ω

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

OK

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