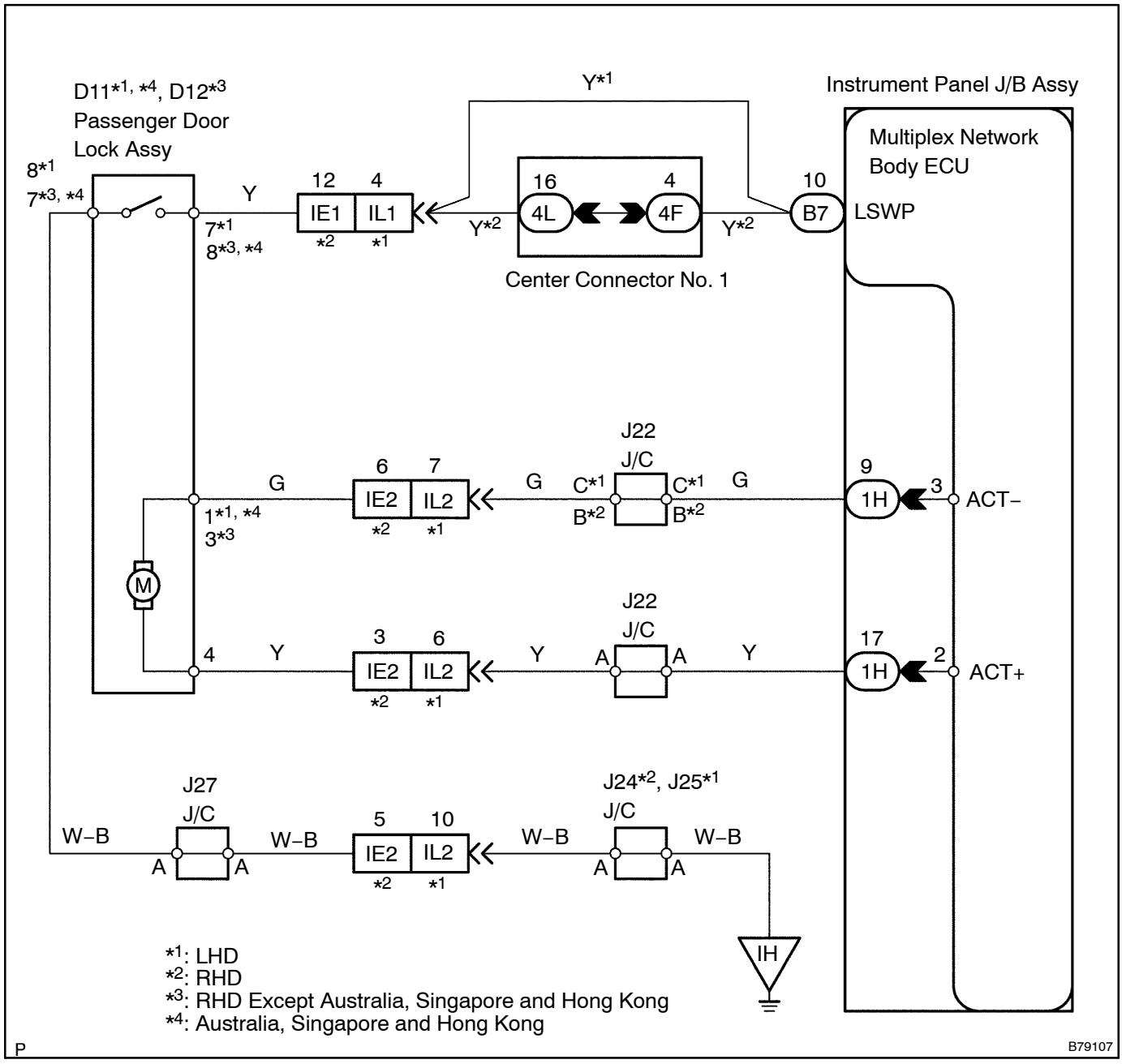
ONLY PASSENGER DOOR LOCK/UNLOCK FUNCTIONS DO NOT OPERATE

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

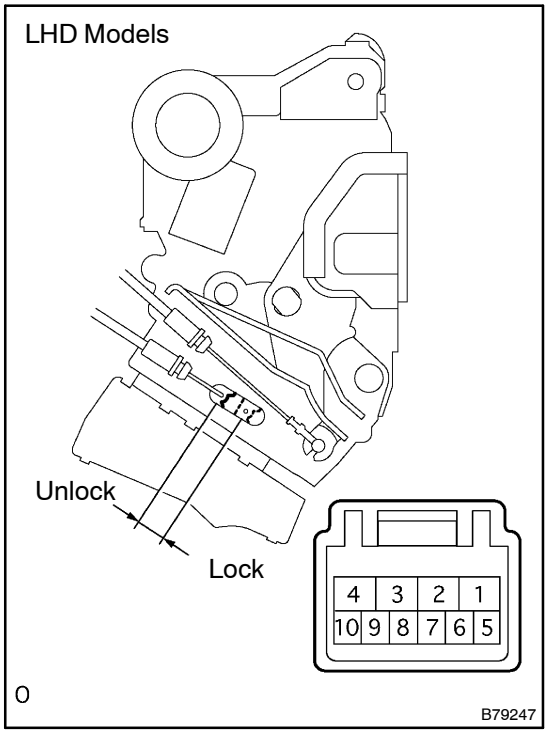
OK: Door can lock/unlock.

NG → **Go to step 2**

OK

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

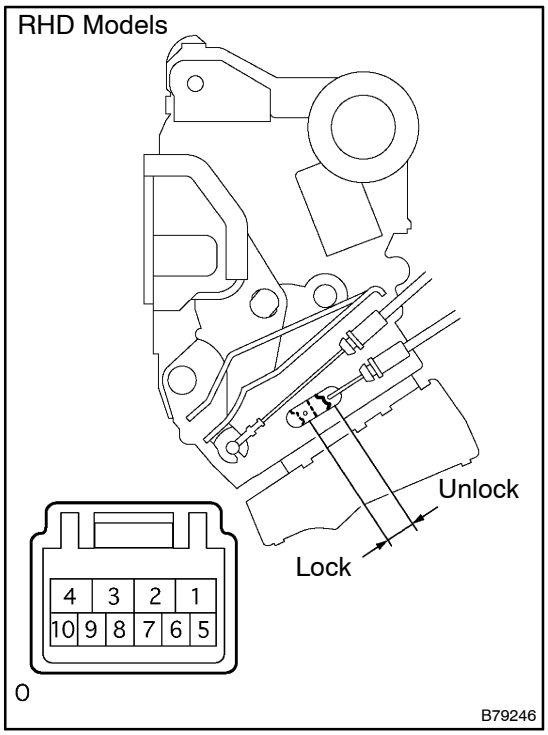
2 INSPECT PASSENGER DOOR LOCK ASSY (POSITION SWITCH)



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

Standard:

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

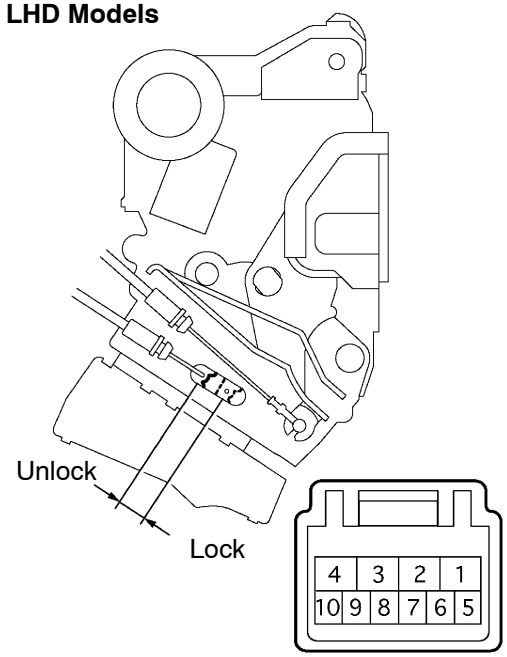


NG → **REPLACE PASSENGER DOOR LOCK ASSY**

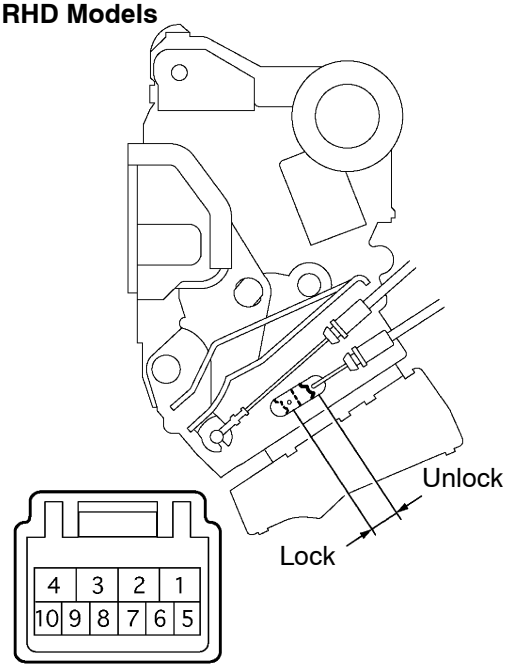
OK

3	INSPECT PASSENGER DOOR LOCK ASSY (DOOR LOCK MOTOR)

LHD Models



RHD Models



(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

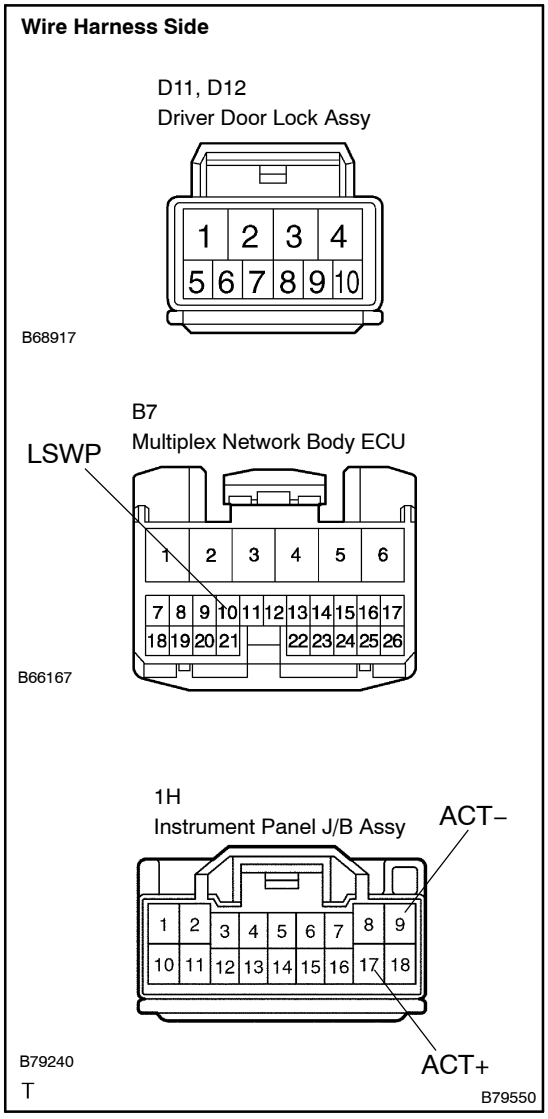
RHD models except Australia, Singapore and Hong Kong

Measurement Condition	Specified Condition
Battery positive (+) → Terminal 4 Battery negative (–) → Terminal 3	Lock
Battery positive (+) → Terminal 3 Battery negative (–) → Terminal 4	Unlock

NG → **REPLACE PASSENGER DOOR LOCK ASSY**

OK

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



(a) Disconnect the D11*1, *2 or D12*3 lock, B7 ECU and 1H J/B connectors.

HINT:

*1: LHD

*2: Australia, Singapore and HongKong

*3: RHD Except Australia, Singapore and Hong Kong

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

Standard:

LHD models

Tester Connection	Specified Condition
D11–4 – 1H–17 (ACT+)	Below 1 Ω
D11–1 – 1H–9 (ACT–)	Below 1 Ω
D11–7 – B7–10 (LSWP)	Below 1 Ω
D11–8 – Body ground	Below 1 Ω

Australia, Singapore and Hong Kong models

Tester Connection	Specified Condition
D11–4 – 1H–17 (ACT+)	Below 1 Ω
D11–1 – 1H–9 (ACT–)	Below 1 Ω
D11–8 – B7–10 (LSWP)	Below 1 Ω
D11–7 – Body ground	Below 1 Ω

RHD models except Australia, Singapore and Hong Kong

Tester Connection	Specified Condition
D12–4 – 1H–17 (ACT+)	Below 1 Ω
D12–3 – 1H–9 (ACT–)	Below 1 Ω
D12–8 – B7–10 (LSWP)	Below 1 Ω
D12–7 – Body ground	Below 1 Ω

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

OK

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