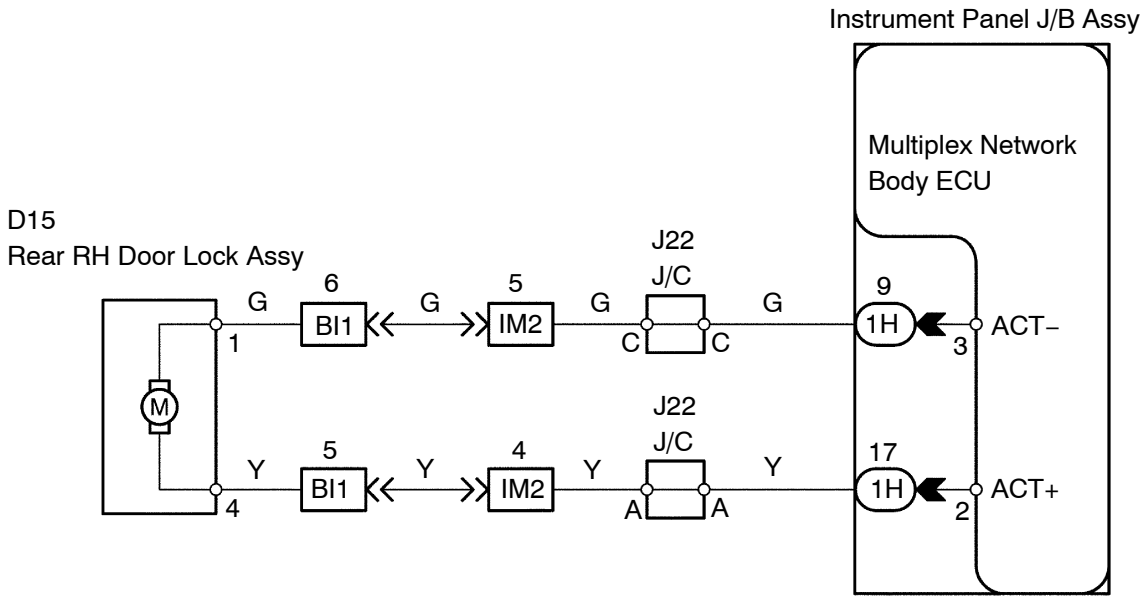
ONLY REAR RH DOOR LOCK/UNLOCK FUNCTIONS DO NOT OPERATE

CIRCUIT DESCRIPTION

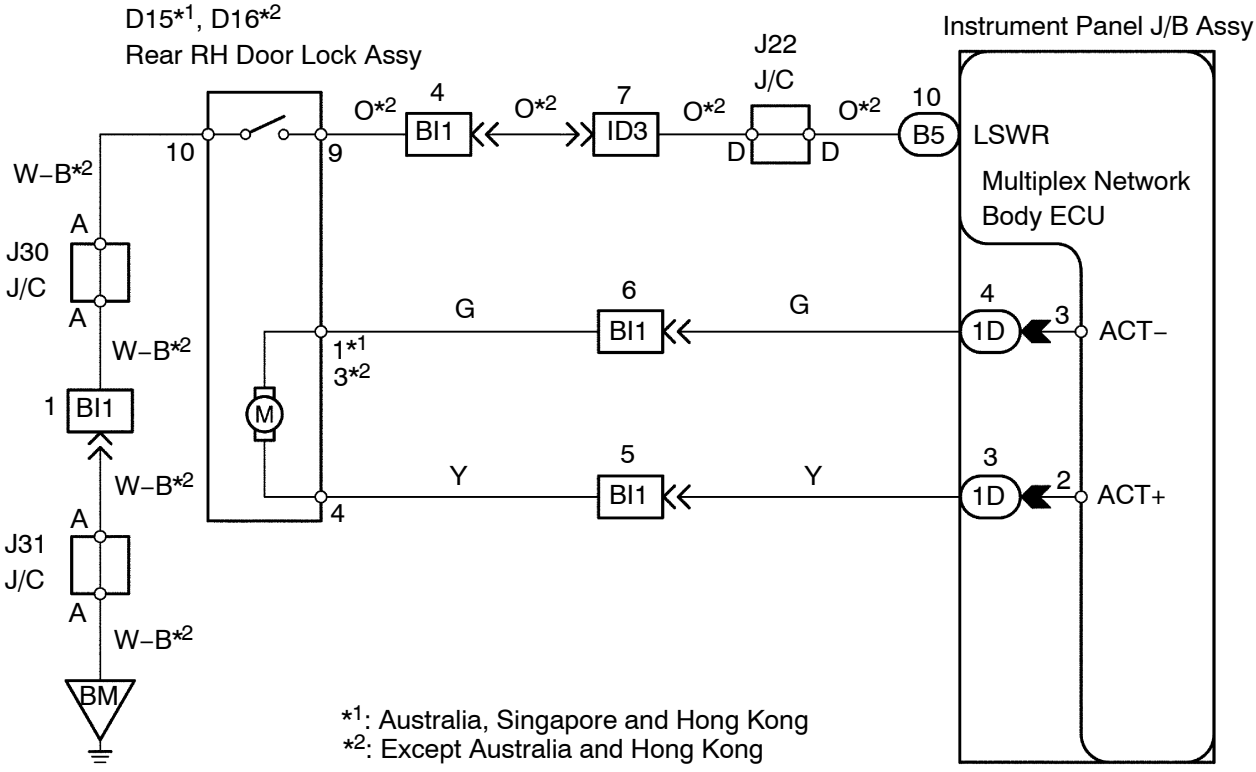
The instrument panel J/B assy (multiplex network body ECU) receives lock/unlock switch signals and activates the door lock motor according to the signals.

WIRING DIAGRAM

LHD models



RHD models



P

B79105

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 (Driver door 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*1**

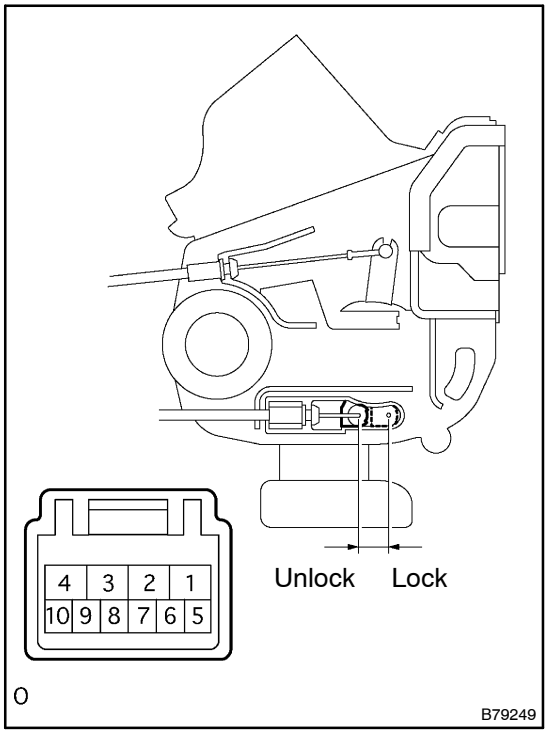
NG → **Go to step 3*2**

HINT:
*1: Except *2
*2: RHD models except Australis, Singapore and Hong Kong

OK

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

2	INSPECT REAR DOOR LOCK ASSY RH (POSITION SWITCH)



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

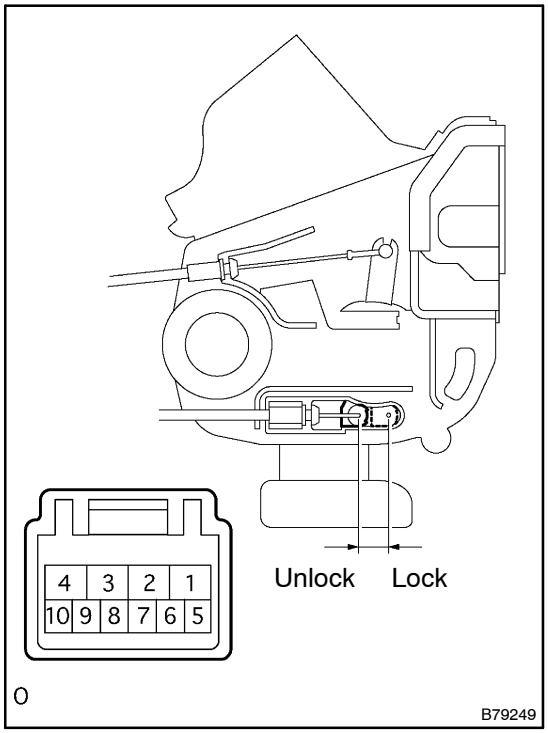
Standard

Tester Connection	Switch Condition	Specified Condition
9 – 10	Lock	10 kΩ or higher
9 – 10	Unlock	Below 1 Ω

NG → **REPLACE REAR DOOR LOCK ASSY RH**

OK

3 INSPECT REAR DOOR LOCK ASSY RH (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 4 Battery negative (–) → Terminal 3	Lock
Battery positive (+) → Terminal 3 Battery negative (–) → Terminal 4	Unlock

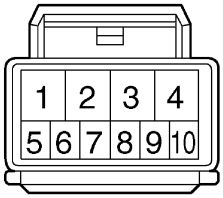
NG → **REPLACE REAR DOOR LOCK ASSY RH**

OK

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

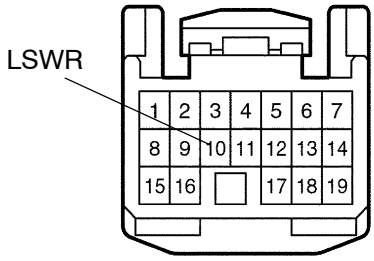
Wire Harness Side

D15, D16
Rear Door Lock Assy RH



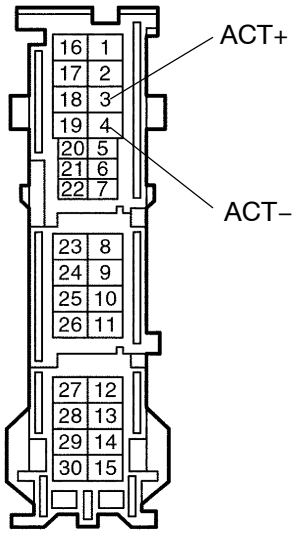
B68917

B5
Multiplex Network Body ECU



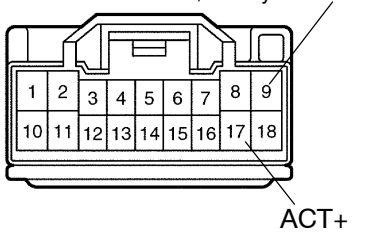
B79240

1D
Instrument Panel J/B Assy



B79240

1H
Instrument Panel J/B Assy



B79240

B80164

(a) Disconnect the D15*1,2 or D16*3 lock, B5 ECU and 1D or 1H J/B connectors.

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

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

Standard:

LHD models

Tester Connection	Specified Condition
D15–4 – 1H–17 (ACT+)	Below 1 Ω
D15–1 – 1H–9 (ACT–)	Below 1 Ω
D15–10 – Body ground	Below 1 Ω

Australia, Singapore and Hong Kong models

Tester Connection	Specified Condition
D15–4 – 1D–3 (ACT+)	Below 1 Ω
D15–1 – 1D–4 (ACT–)	Below 1 Ω
D15–10 – Body ground	Below 1 Ω

RHD models except Australia, Singapore and Hong Kong

Tester Connection	Specified Condition
D16–4 – 1D–3 (ACT+)	Below 1 Ω
D16–3 – 1D–4 (ACT–)	Below 1 Ω
D16–9 – B5–10 (LSWR)	Below 1 Ω
D16–10 – Body ground	Below 1 Ω

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

OK

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