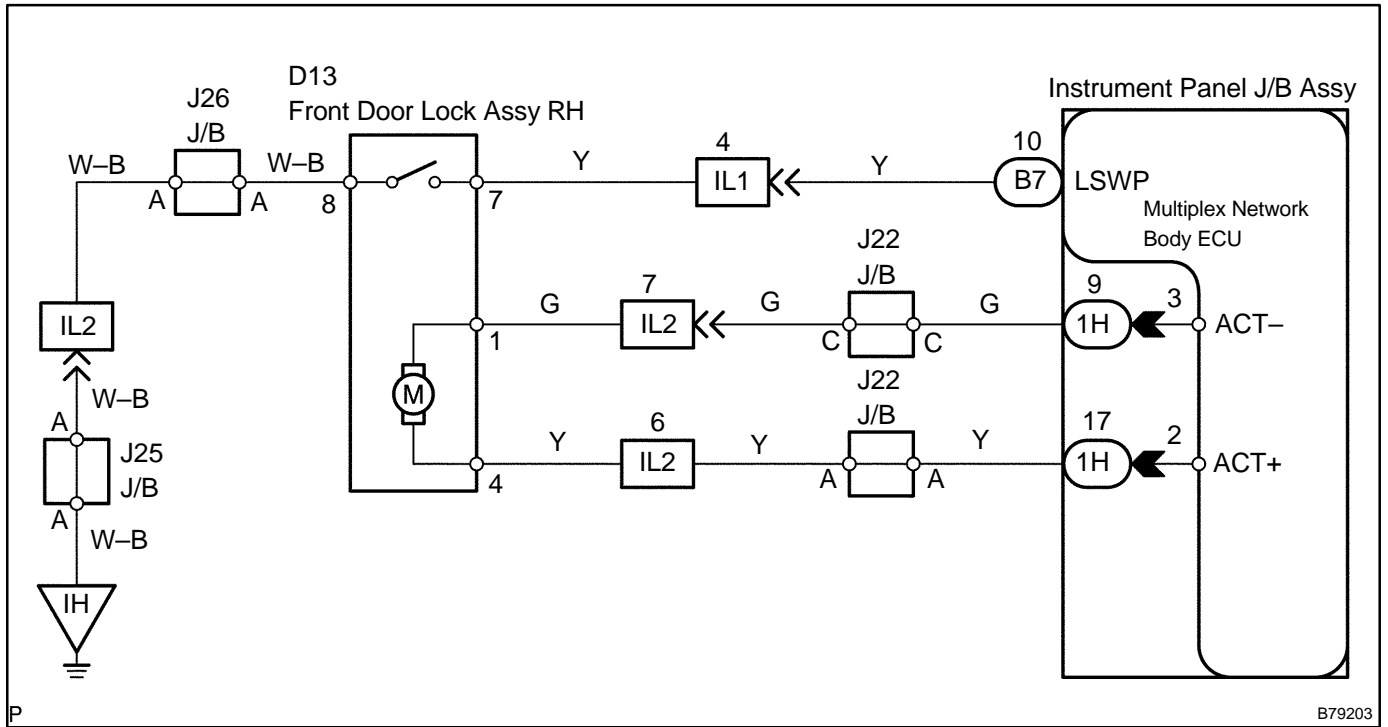


ONLY PASSENGER DOOR LOCK/UNLOCK FUNCTIONS DO NOT OPERATE

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 HAND-HELD TESTER

- (a) Select the ACTIVE TEST, use the hand-held tester 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

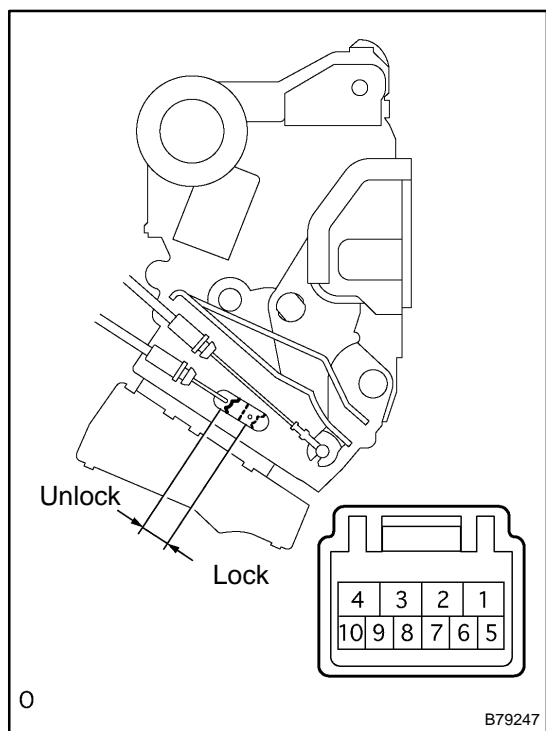
OK: Door can lock/unlock.

NG → Go to step 2

OK

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

2 INSPECT FRONT DOOR LOCK ASSY RH (POSITION SWITCH)



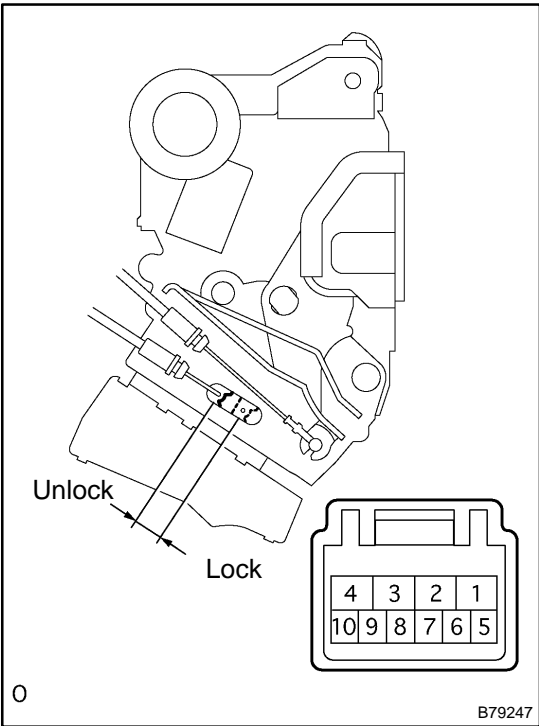
- (a) Measure the resistance of the position switch.
Standard:

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

NG → REPLACE FRONT DOOR LOCK ASSY RH

OK

3 INSPECT FRONT DOOR LOCK ASSY RH (DOOR LOCK MOTOR)



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

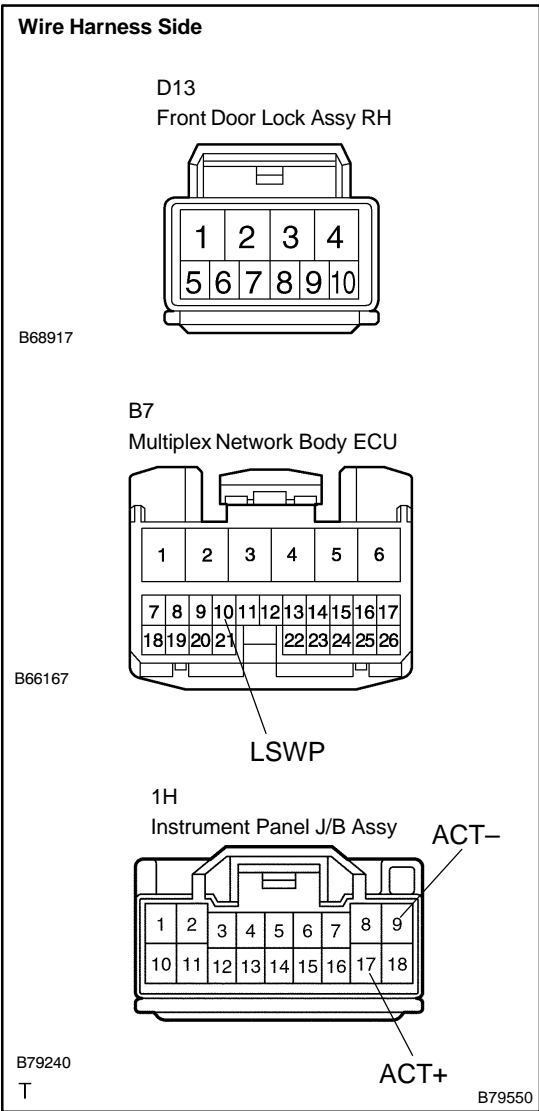
OK:

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

OK

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

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



- (a) Disconnect the D13 lock connector.
- (b) Disconnect the B7 ECU connector.
- (c) Disconnect the 1H J/B connector.
- (d) Measure the resistance of the wire harness side connectors.

Standard:

Tester Connection	Specified Condition
D13-4 - 1H-17 (ACT+)	Below 1 Ω
D13-1 - 1H-9 (ACT-)	Below 1 Ω
D13-7 - B7-10 (LSWP)	Below 1 Ω
D13-8 - Body ground	Below 1 Ω

NG REPAIR OR REPLACE HARNESS AND CONNECTOR

OK

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