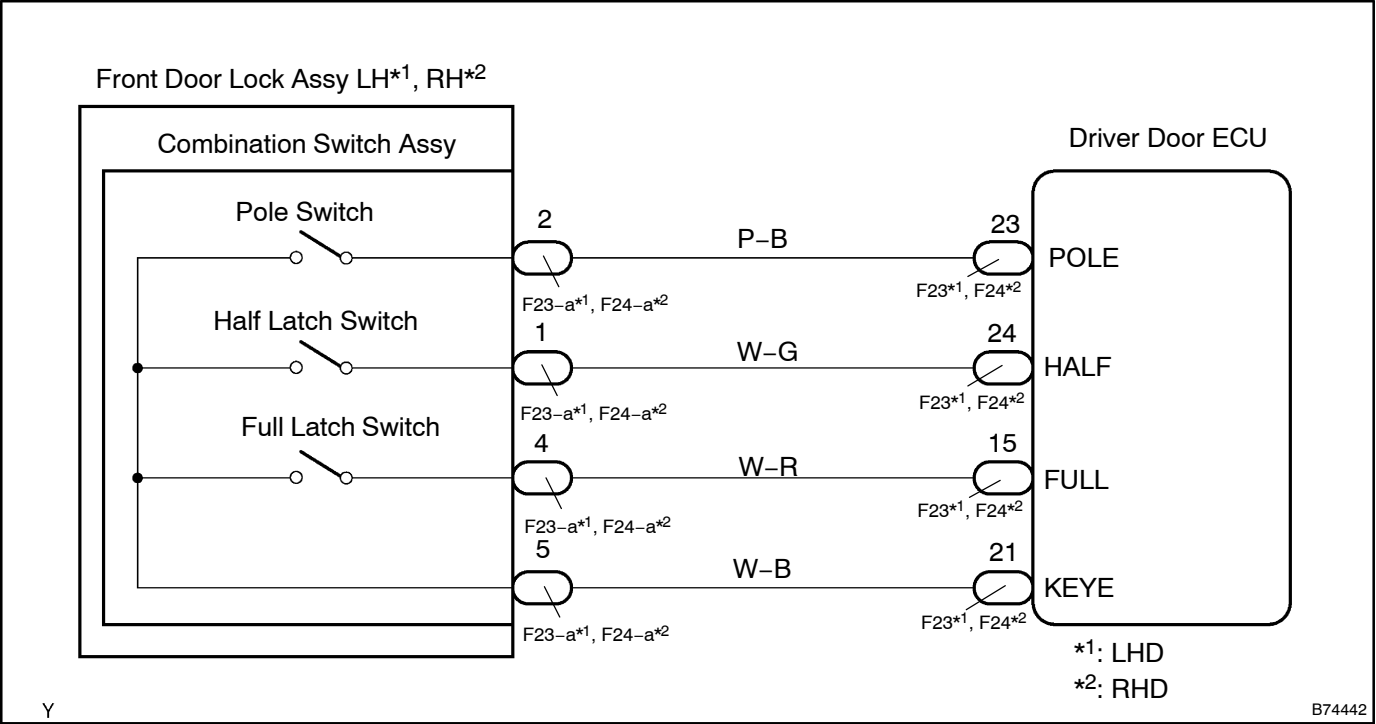


DOOR CLOSER POSITION SWITCH CIRCUIT ON DRIVER SIDE DOOR

CIRCUIT DESCRIPTION

The door lock assembly has a built-in closer position switch, which detects the position of the closer.

WIRING DIAGRAM



INSPECTION PROCEDURE

1	READ VALUE OF INTELLIGENT TESTER II (DOOR CLOSER POSITION SWITCH (POLE/HALF/FULL))
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- (a) Check the DATA LIST for proper functioning of the door closer position switch.

Driver Door ECU:

Item	Measurement item / Display (Range)	Normal Condition	Position
Pole SW	POLE Switch (OFF/ON)	Refer to system description of door ECU (see page 05-2695)	–
Half SW	HALF Switch (OFF/ON)	Refer to system description of door ECU (see page 05-2695)	–
Full SW	FULL Switch (OFF/ON)	Refer to system description of door ECU (see page 05-2695)	–

OK: "ON" (door closer position switch (POLE/HALF/FULL) is ON) appears on the screen.

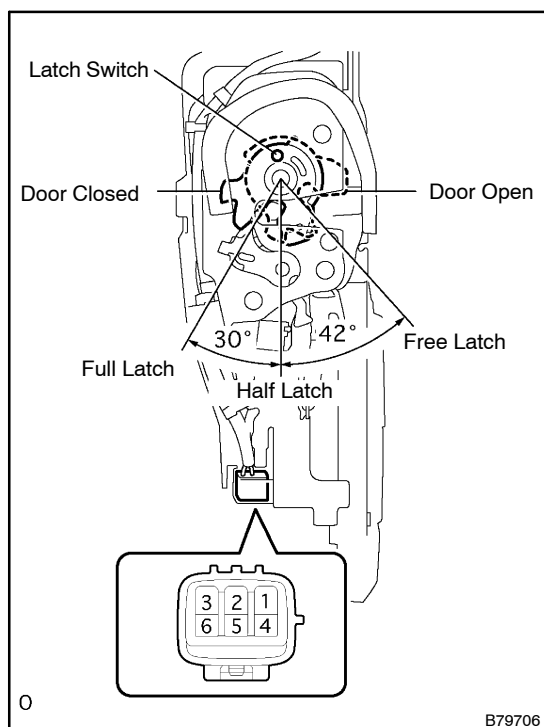
NG

Go to step 2

OK

PROCEED TO NEXT CIRCUIT INSPECTION SHOWN ON PROBLEM SYMPTOMS TABLE (See page 05-2703)

2	INSPECT COMBINATION SWITCH ASSY (HALF LATCH AND FULL LATCH SWITCH)
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- (a) Disconnect the F23-a*1/F24-a*2 lock connector.
 (b) Measure the resistance.

Standard:

Tester	Condition	Specified Condition
1 – 5	Door open	Below 1 Ω
1 – 5	Half latch	10 kΩ or higher
1 – 5	Door close	10 kΩ or higher
4 – 5	Door open	Below 1 Ω
4 – 5	Half latch	Below 1 Ω
4 – 5	Door closed	10 kΩ or higher

*1: LHD

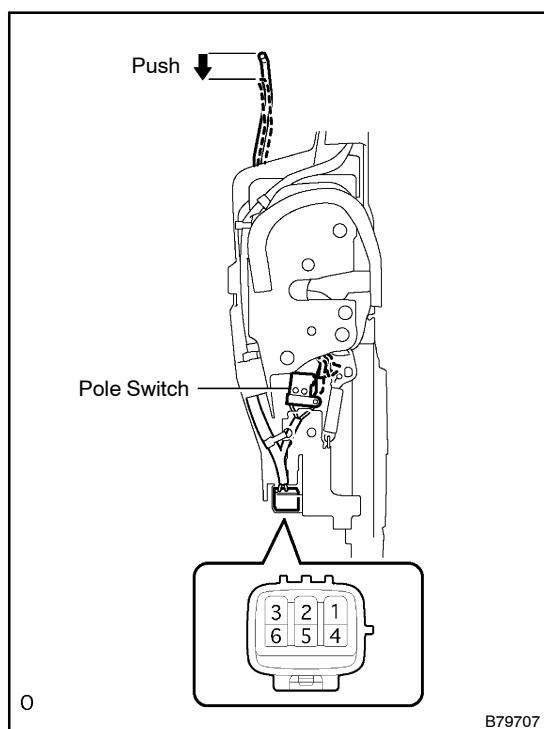
*2: RHD

NG

REPLACE COMBINATION SWITCH ASSY

OK

3 INSPECT COMBINATION SWITCH ASSY (POLE SWITCH)



- (a) Disconnect the F23-a*1/F24-a*2 lock connector.
 (b) Measure the resistance.

Standard:

Tester Connection	Condition	Specified Condition
2 - 5	Link not pushed	10 kΩ or higher
2 - 5	Link pushed	Below 1 Ω

*1: LHD

*2: RHD

NG

REPLACE COMBINATION SWITCH ASSY

OK

4 CHECK WIRE HARNESS (DRIVER DOOR ECU - DRIVER DOOR LOCK ASSY)

Wire Harness Side

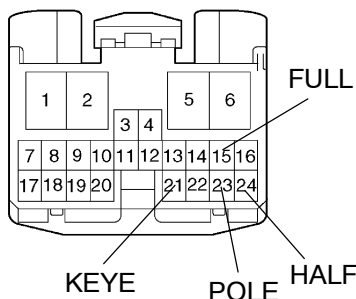
F23-a*1, F24-a*2
 Front Door Lock Assy LH



*1: LHD

*2: RHD

F23*1, F24*2
 Driver Door ECU



- (a) Disconnect the F23-a*1/F24-a*2 lock connector.
 (b) Disconnect the F23*1/F24*2 ECU connector.
 (c) Measure the resistance.

Standard:

Tester Connection	Specified Condition
F23*1/F24*2-a-2 - F23*1/F24*2-23 (POLE)	Below 1 Ω
F23*1/F24*2-a-1 - F23*1/F24*2-24 (HALF)	Below 1 Ω
F23*1/F24*2-a-4 - F23*1/F24*2-15 (FULL)	Below 1 Ω
F23*1/F24*2-a-5 - F23*1/F24*2-21 (KEYE)	Below 1 Ω
F23*1/F24*2-a-2 - Body ground	10 kΩ or higher
F23*1/F24*2-a-1 - Body ground	10 kΩ or higher
F23*1/F24*2-a-4 - Body ground	10 kΩ or higher
F23*1/F24*2-a-5 - Body ground	10 kΩ or higher

NG

REPLACE COMBINATION SWITCH ASSY

OK

PROCEED TO NEXT CIRCUIT INSPECTION SHOWN ON PROBLEM SYMPTOMS TABLE ([See page 05-2703](#))