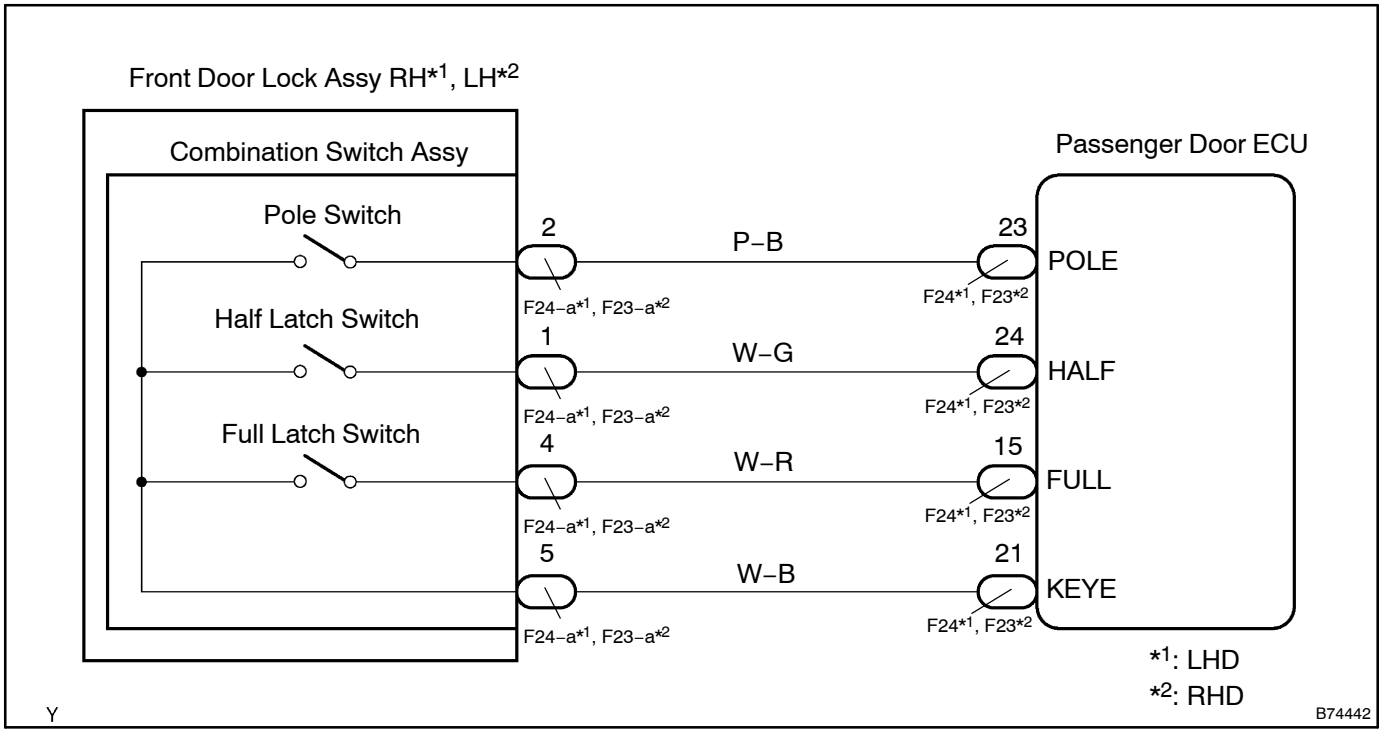
DOOR CLOSER POSITION SWITCH CIRCUIT ON PASSENGER SIDE DOOR

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))

(a) Check the DATA LIST for proper functioning of the door closer position switch.
Passenger 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)	–

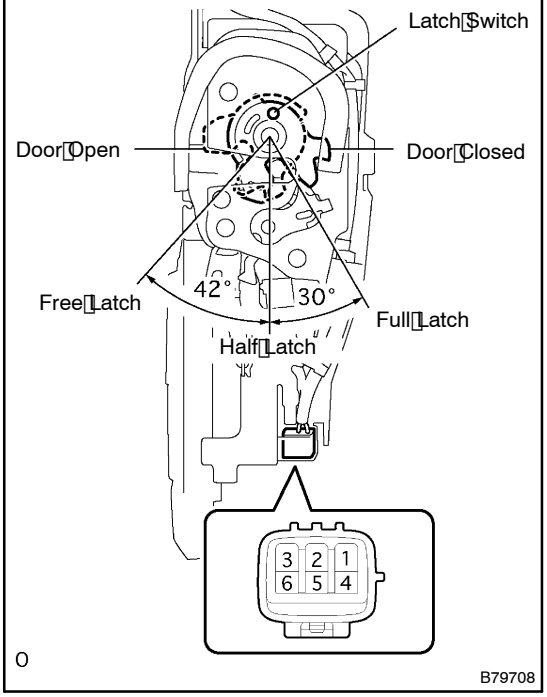
OK: "ON" (door closer position switch (POLE/HALF/FULL) is ON) appears on the screen.

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)



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

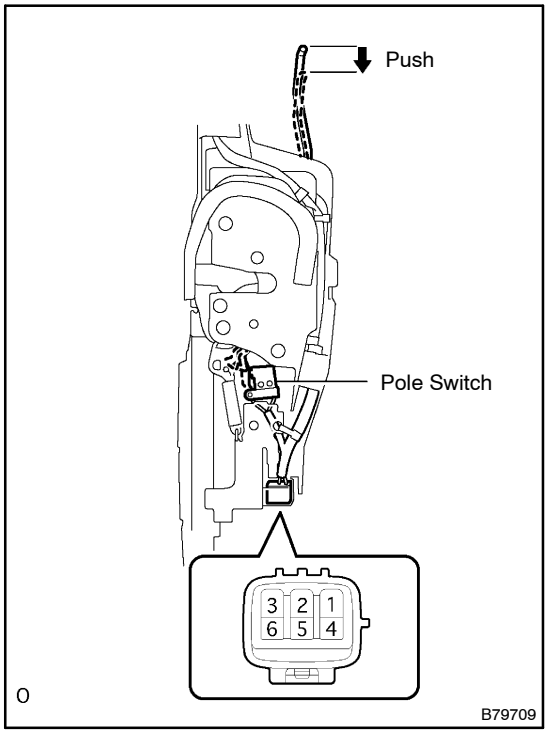
Tester	Condition	Specified Condition
1 – 5	Door open	Below 1 Ω
1 – 5	Half latch	10 kΩ or higher
1 – 5	Door close	10 kΩ or higher
4 – 5	Door open	Below 1 Ω
4 – 5	Half latch	Below 1 Ω
4 – 5	Door closed	10 kΩ or higher

*1: LHD
*2: RHD

NG → **REPLACE COMBINATION SWITCH ASSY**

OK

3 INSPECT COMBINATION SWITCH ASSY (POLE SWITCH)



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

Standard:

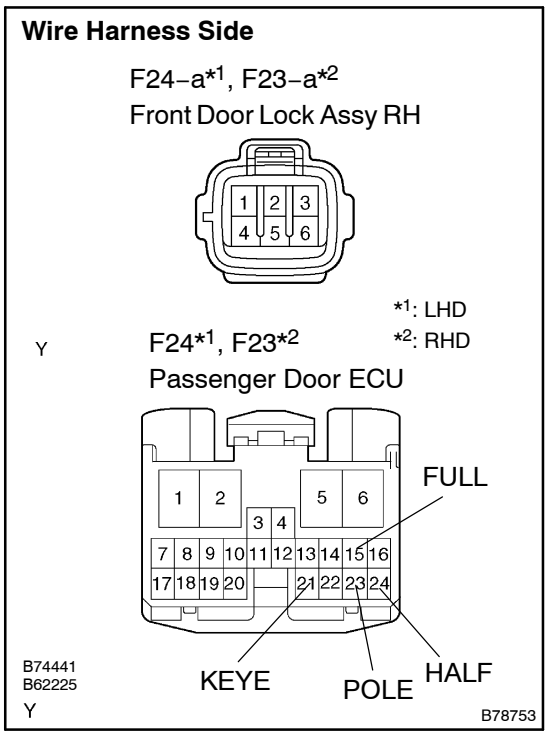
Tester Connection	Condition	Specified Condition
2 – 5	Link not pushed	10 kΩ or higher
2 – 5	Link pushed	Below 1 Ω

*1: LHD
*2: RHD

NG → **REPLACE COMBINATION SWITCH ASSY**

OK

4 CHECK WIRE HARNESS (PASSENGER DOOR ECU – PASSENGER DOOR LOCK ASSY)



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

Standard:

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

NG → **REPLACE COMBINATION SWITCH ASSEMBLY**

OK

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