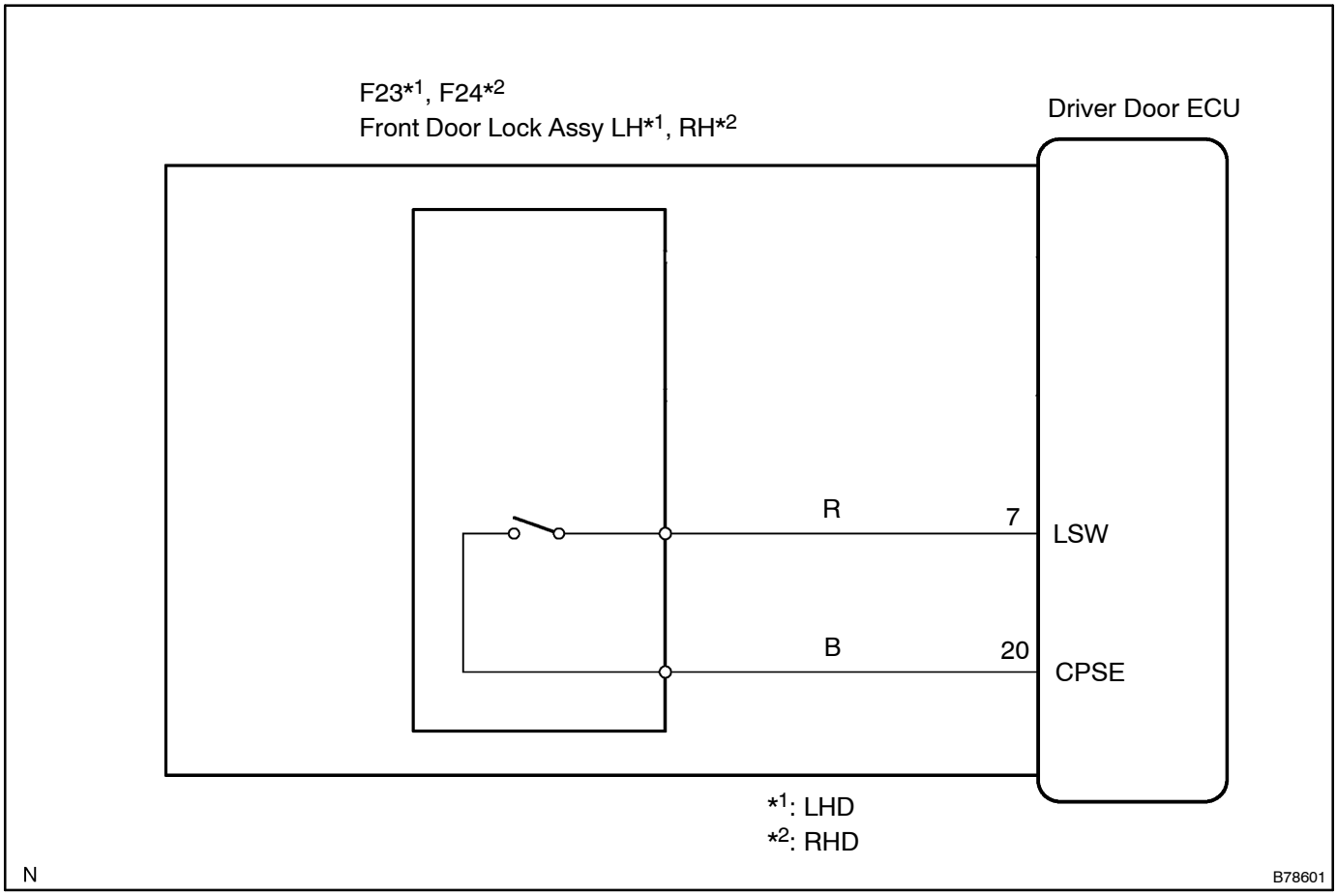
DOOR UNLOCK DETECTION SWITCH CIRCUIT ON DRIVER SIDE DOOR

CIRCUIT DESCRIPTION

The door unlock detection switch is built in the door lock assembly.
This switch is ON when the door lock knob is in the unlock position and OFF when it is in the lock position.
It is used as one of the operating conditions for the key confinement prevention function.

WIRING DIAGRAM



INSPECTION PROCEDURE

1 READ VALUE OF INTELLIGENT TESTER II (DOOR UNLOCK DETECTION SWITCH)

(a) Check the DATA LIST for proper functioning of the door unlock detection switch.
Multiplex network body ECU (Driver door ECU):

Item	Measurement Item/Display (Range)	Normal Condition	Diagnostic Note
Lock Pos SW	Door unlock detection switch signal /ON or OFF	ON: Door is unlocked OFF: Door is locked	–

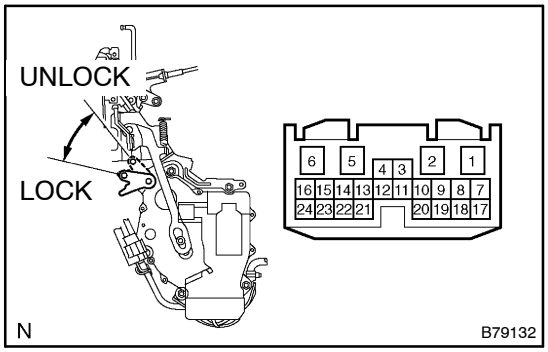
OK: "ON" (door is unlocked) appears on the screen.

NG → Go to step 2

OK

PROCEED TO NEXT CIRCUIT INSPECTION SHOWN ON PROBLEM SYMPTOM TABLE (See page 05–2529)

2 CHECK FRONT DOOR LOCK ASSY LH (DOOR UNLOCK DETECTION SWITCH)



(a) Measure the resistance of the door unlock detection switch.
Standard:

Tester Connection	Door Lock Position	Specified Condition
7 – 20	ON (Door lock set to UNLOCK)	Below 1 Ω
7 – 20	OFF (Door lock set to LOCK)	10 kΩ or higher

NG → REPAIR OR REPLACE FRONT DOOR LOCK ASSY LH

OK

PROCEED TO NEXT CIRCUIT INSPECTION SHOWN ON PROBLEM SYMPTOMS TABLE (See page 05–2529)