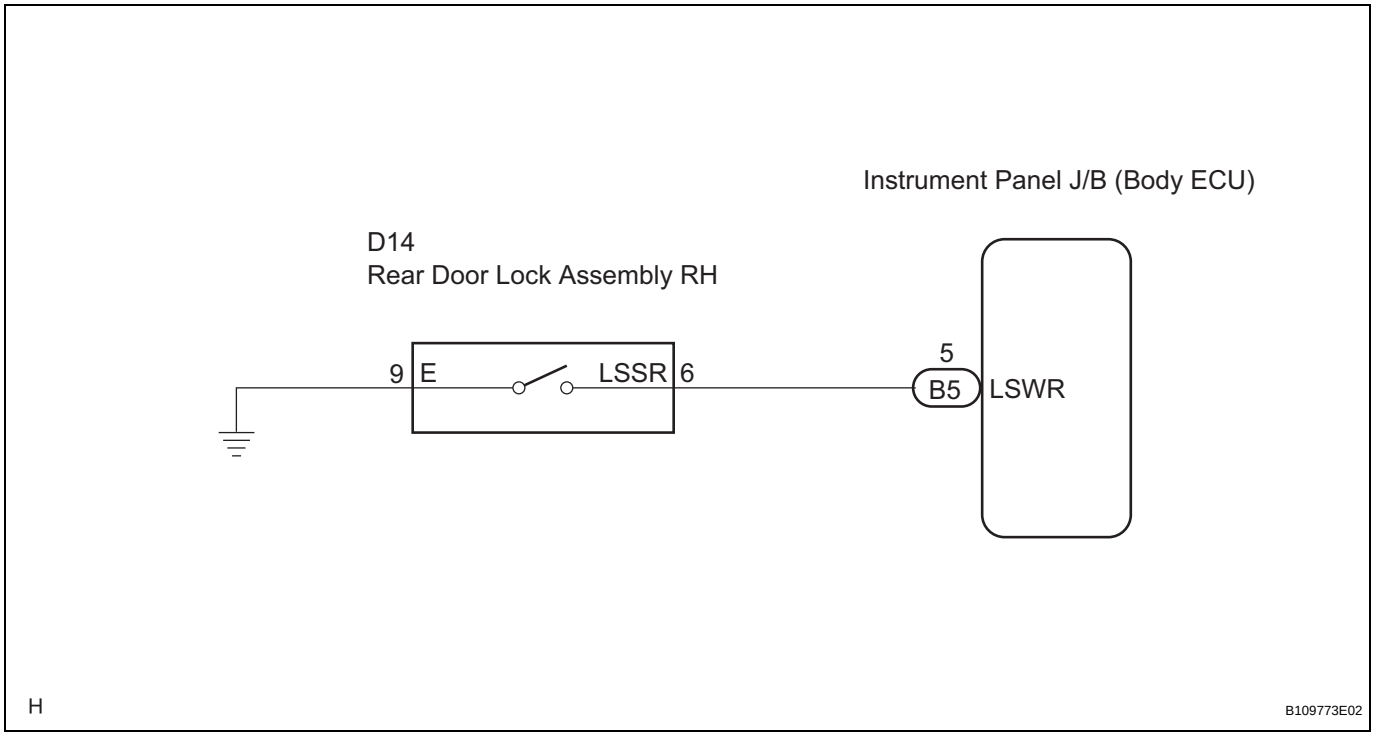
# Rear Door UNLOCK Detection Switch RH Circuit

## DESCRIPTION

The rear left side door unlock detection switch is built into the rear left side door lock assembly. The switch turns on when the rear left side door is locked and turns off when the door is unlocked.
The body ECU is connected to the rear left side door lock assembly via terminal LSWR and rear left side door lock/unlock state signals are input to the ECU.
The body ECU applies voltage to the door unlock detection switch via terminal LSWR. When the door unlock detection switch is on (there is continuity between the switch terminals), a lock state signal is input to the ECU. When the switch is off (there is no continuity between the switch terminals), an unlock state signal is input.

## WIRING DIAGRAM

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| 1 | READ VALUE OF DATA LIST (UNLOCK DETECTION SWITCH) |
|---|---|

(a) Check the DATA LIST to ensure proper function of the door unlock detection switch.

**BODY:**

| Item | Measurement Item / Display (Range) | Normal Condition | Diagnostic Note |
|---|---|---|---|
| Rr LOCK POS SW | Rear door lock position switch signal /ON or OFF | ON: Rear door lock is in UNLOCK position<br>OFF: Rear door lock is in LOCK position | - |

**OK:**

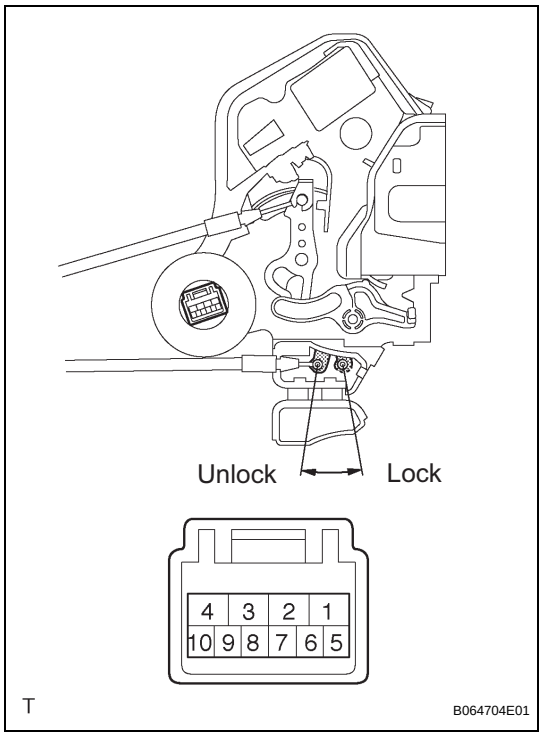
**The display is as specified in the normal condition.**

**NG** → **Go to step 2**

OK

**PROCEED TO NEXT CIRCUIT INSPECTION SHOWN IN PROBLEM SYMPTOMS TABLE**

**2 INSPECT REAR DOOR LOCK ASSEMBLY (UNLOCK DETECTION SWITCH)**




(a) Remove the rear door lock assembly.
(b) Measure the resistance according to the value(s) in the table below.

**Standard resistance**

| Measurement Condition | Door Lock Condition | Specified Condition |
|---|---|---|
| Battery positive (+) → Terminal 4<br>Battery negative (-) → Terminal 1 | Lock | 7 - 8 (10 kΩ or higher) |
| Battery positive (+) → Terminal 1<br>Battery negative (-) → Terminal 4 | Unlock | 7 - 8 (Below 1 Ω) |

NG → **REPLACE REAR DOOR LOCK ASSEMBLY**

OK

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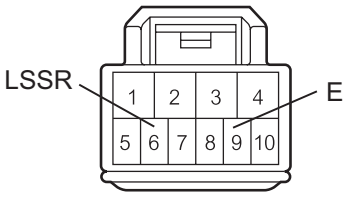
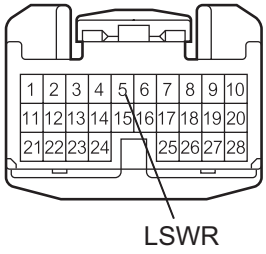
| 3 | **CHECK WIRE HARNESS (REAR DOOR LOCK ASSEMBLY - INSTRUMENT PANEL J/B (BODY ECU))** |
|---|---|

**Wire Harness Side:**

D14
Rear Door Lock Assembly RH




B5
Instrument Panel J/B (Body ECU)

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(a) Disconnect the rear door lock assembly connector.
(b) Disconnect the instrument panel J/B connector.
(c) Measure the resistance according to the value(s) in the table below.

**Standard resistance**

| Tester Connection | Condition | Specified Condition |
|---|---|---|
| D14-6 (LSSR)- B5-5 (LSWR) | Always | Below 1 Ω |
| D14-9 (E) - Body ground | Always | Below 1 Ω |

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

**OK**

**PROCEED TO NEXT CIRCUIT INSPECTION SHOWN IN PROBLEM SYMPTOMS TABLE**

DL