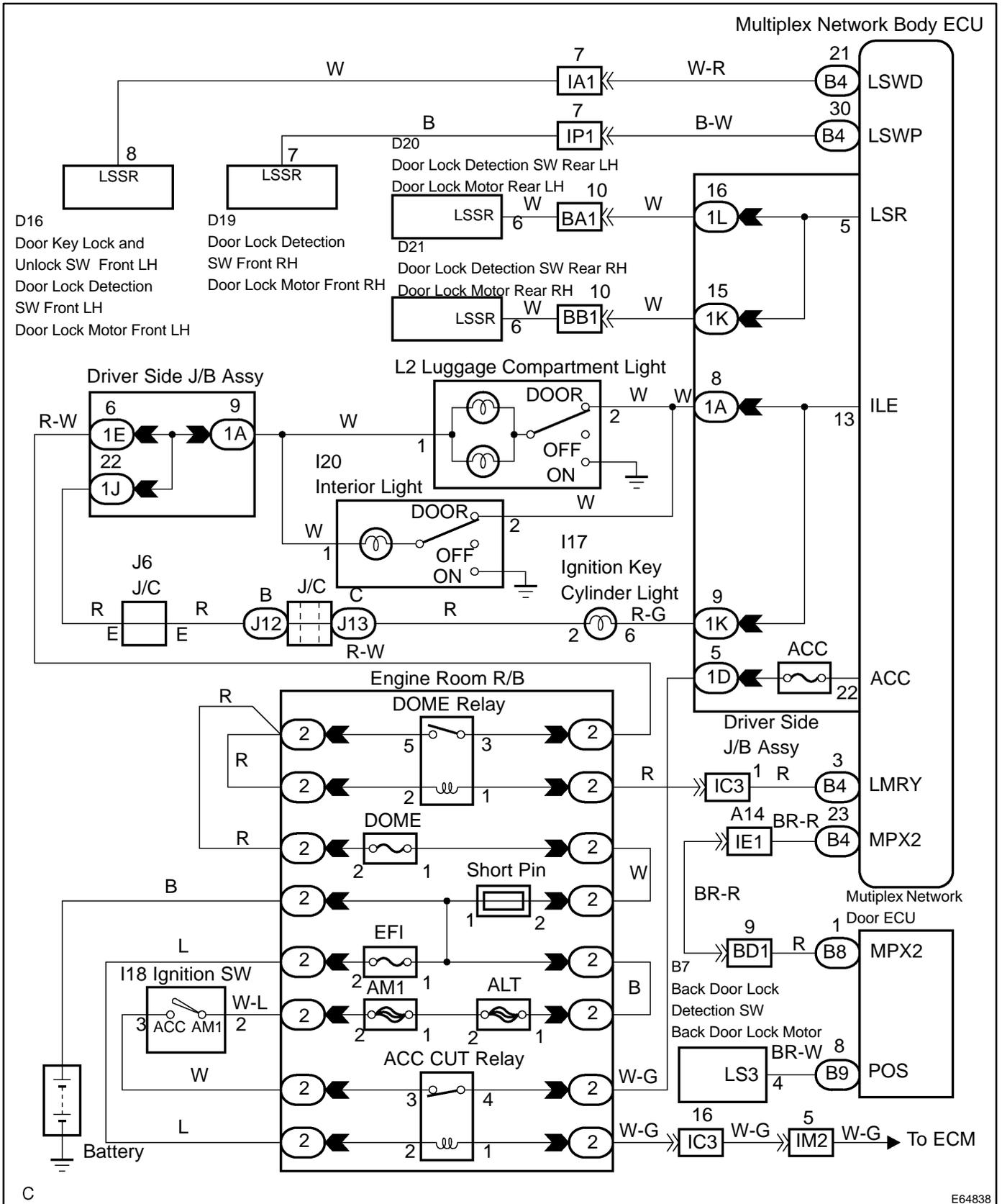


# ROOM LAMP ASSY NO.1 DOES NOT LIGHT UP

## WIRING DIAGRAM



C

E64838

### INSPECTION PROCEDURE

#### 1 CHECK LIGHT

(a) Check the condition A or B, when room lamp assy No.1 does not light up.

A	Door Lock → Door Unlock
B	IG Switch ACC → OFF

**B** → Go to step 10

**A**

#### 2 CHECK DOOR LOCK

(a) Check which door lamp does not light up.

A	Driver side door
B	Passenger side door
C	Rear door
D	Back door

**B** → Go to step 5

**C** → Go to step 7

**D** → Go to step 9

**A**

#### 3 CHECK FRONT DOOR W/MOTOR LOCK ASSY LH

(a) Check the continuity between terminal 8 (LSSR) of front door w/motor lock assy LH and body ground.

**Standard:**

Door lock position	Specified condition
Lock	No continuity
Unlock	Continuity

**NG** → REPLACE FRONT DOOR W/MOTOR LOCK ASSY LH

**OK**

**4 CHECK HARNESS AND CONNECTOR(BETWEEN MULTIPLEX NETWORK BODY ECU AND FRONT DOOR W/MOTOR LOCK ASSY)**

- (a) Check the continuity between terminal 8 (LSSR) of the front door w/motor door lock assy LH and B4-21 (LSWD) of the multiplex network body ECU.

**Standard: There is continuity**

**NG** REPAIR OR REPLACE HARNESS OR CONNECTOR

**OK**

**CHECK AND REPLACE MULTIPLEX NETWORK BODY ECU**

**5 CHECK FRONT DOOR W/MOTOR LOCK ASSY RH**

- (a) Check the continuity between terminal 7 (LSSR) of the front door w/motor lock assy RH and body ground.

**Standard:**

Door lock position	Specified condition
Lock	No continuity
Unlock	Continuity

**NG** REPLACE FRONT DOOR W/MOTOR LOCK ASSY RH

**OK**

**6 CHECK HARNESS AND CONNECTOR(BETWEEN MULTIPLEX NETWORK BODY ECU AND FRONT DOOR W/MOTOR LOCK ASSY)**

- (a) Check the continuity between terminal 7 (LSSR) of the front door w/motor door lock assy RH and B4-30 (LSWP) of the multiplex network body ECU.

**Standard: There is continuity**

**NG** REPAIR OR REPLACE HARNESS OR CONNECTOR

**OK**

**CHECK AND REPLACE MULTIPLEX NETWORK BODY ECU**

<b>7</b>	<b>CHECK REAR DOOR LOCK</b>
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- (a) Check which door lamp does not light up.  
 (b) Measure voltage between terminals when unlocking the door.

**Standard:**

Malfunction part	Tester connection	Specified condition
Rear door LH	6 (LSSR) - Body ground	No continuity → Continuity
Rear door RH	6 (LSSR) - Body ground	No continuity → Continuity

<b>NG</b>
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<b>REPLACE REAR DOOR LOCK</b>
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<b>OK</b>
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<b>8</b>	<b>CHECK HARNESS AND CONNECTOR(BETWEEN DRIVER SIDE JUNCTION BLOCK AND REAR DOOR LOCK)</b>
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- (a) Check the continuity between terminals as shown in the chart below.

**Standard:**

Malfunction part	Tester connection	Condition
Rear door LH	1L-16 (LSR) - Rear door lock LH	Continuity
Rear door RH	1K-15 (LSR) - Rear door lock RH	Continuity

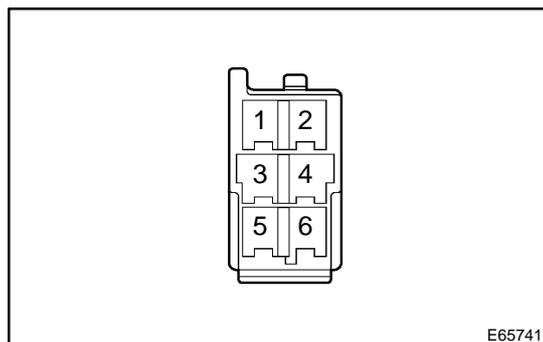
<b>NG</b>
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<b>REPAIR OR REPLACE HARNESS OR CONNECTOR</b>
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<b>OK</b>
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<b>CHECK AND REPLACE DRIVE SIDE JUNCTION BLOCK</b>
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<b>9</b>	<b>CHECK W/MOTOR BACK DOOR LOCK ASSY</b>
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- (a) Measure voltage between terminals 4 (LS3) of w/motor back door lock assy and body ground.

**Standard:**

Door lock position	Specified condition
Lock	No continuity
Unlock	Continuity

<b>NG</b>
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<b>REPLACE W/MOTOR BACK DOOR LOCK ASSY</b>
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<b>OK</b>
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<b>REPAIR OR REPLACE HARNESS OR CONNECTOR</b>
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**10 CHECK DRIVE SIDE JUNCTION BLOCK**

(a) Measure voltage between terminal 1D-5 (ACC) of the driver side junction block and body ground.

**Standard:**

IG SW	Specified condition
ACC	10 - 14 V
OFF	Below 1 V

**OK** → Go to step 12

**NG**

**11 CHECK HARNESS AND CONNECTOR(BETWEEN DRIVER SIDE JUNCTION BLOCK AND IGNITION SWITCH ASSY)**

(a) Check the continuity between terminal 1D-5 (ACC) of the driver side junction block and the ignition switch assy.

**Standard: There is continuity**

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

**OK**

**REPLACE IGNITION OR STARTER SWITCH ASSY**

**12 CHECK DRIVE SIDE JUNCTION BLOCK(ILE)**

(a) Measure voltage between terminals as shown in the chart below when turning the ignition switch to OFF.

**Standard:**

Item	Tester connection	Specified condition
Transponder key amplifier (Ignition key cylinder light)	1K-9 (ILE) - Body ground	10 - 14 V → Below 1 V
Room lamp assy No.1, No.2 (Interior light, Luggage compartment Light)	1A-8 (ILE) - Body ground	10 - 14 V → Below 1 V

**NG** → CHECK AND REPLACE DRIVE SIDE JUNCTION BLOCK

**OK**

<b>13</b>	<b>CHECK HARNESS AND CONNECTOR(BETWEEN DRIVER SIDE JUNCTION BLOCK AND LAMP)</b>
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- (a) Disconnect the connector of the driver side junction block.  
 (b) Check the continuity between terminals as shown in the chart below.

**Standard:**

Item	Tester connection	Specified condition
Transponder key amplifier	1K-9 (ILE) - Transponder key amplifier	Continuity
Room lamp assy No.1, No.2	1A-8 (ILR) - Room lamp assy	Continuity

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

**OK**

<b>14</b>	<b>CHECK TRANSPONDER KEY AMPLIFIER(IGNITION KEY CYLINDER LIGHT)</b>
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- (a) Check the continuity between terminals of transponder key amplifier (ignition key cylinder light).  
**Standard: There is continuity.**

**NG** → **REPLACE TRANSPONDER KEY AMPLIFIER**

**OK**

<b>15</b>	<b>CHECK ROOM LAMP ASSY NO.1</b>
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- (a) Check the continuity between terminals of the room lamp assy No.1.  
**Standard: There is continuity.**

**NG** → **REPLACE ROOM LAMP ASSY NO.1**

**OK**

<b>REPLACE ROOM LAMP ASSY NO.2</b>
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