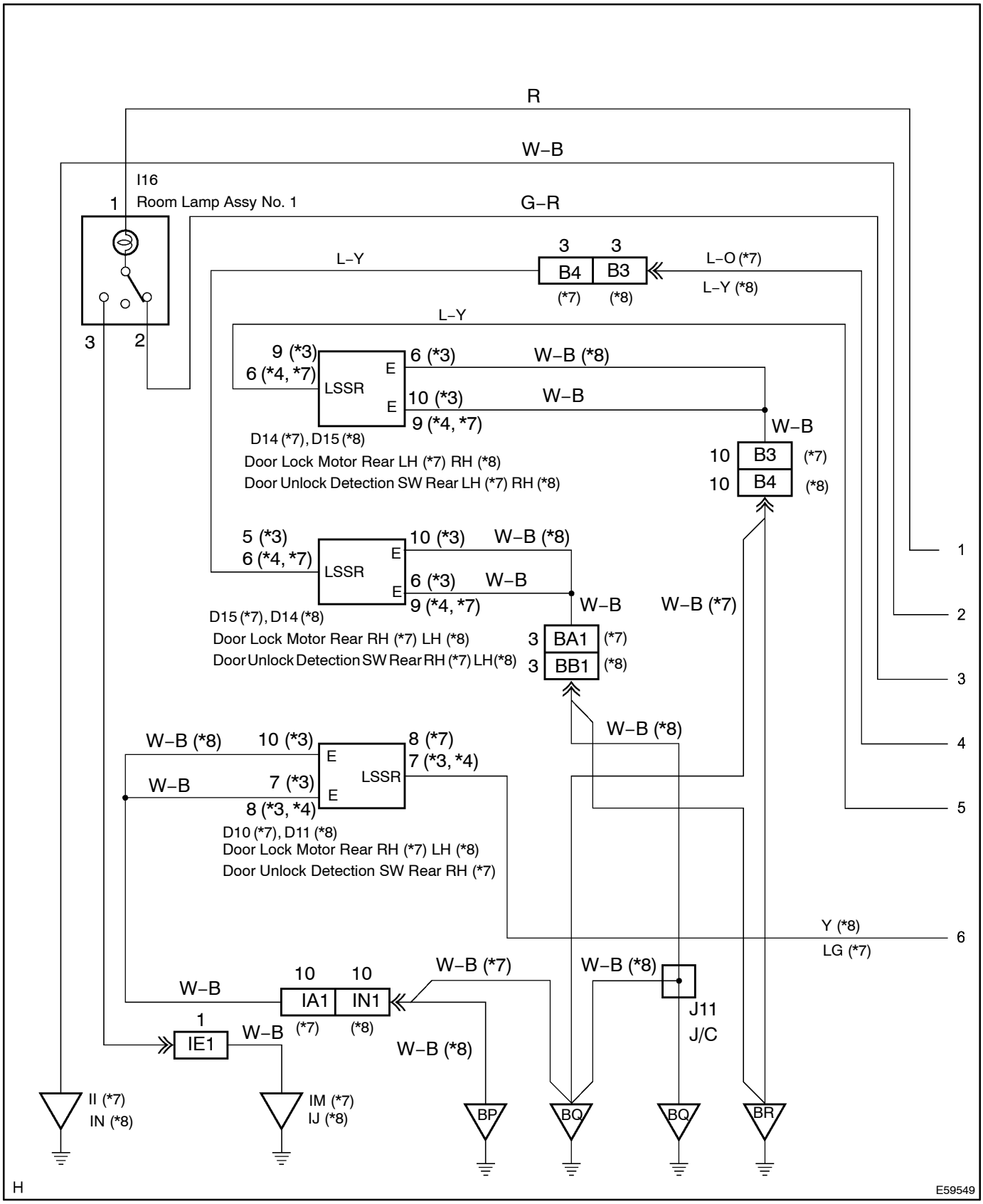
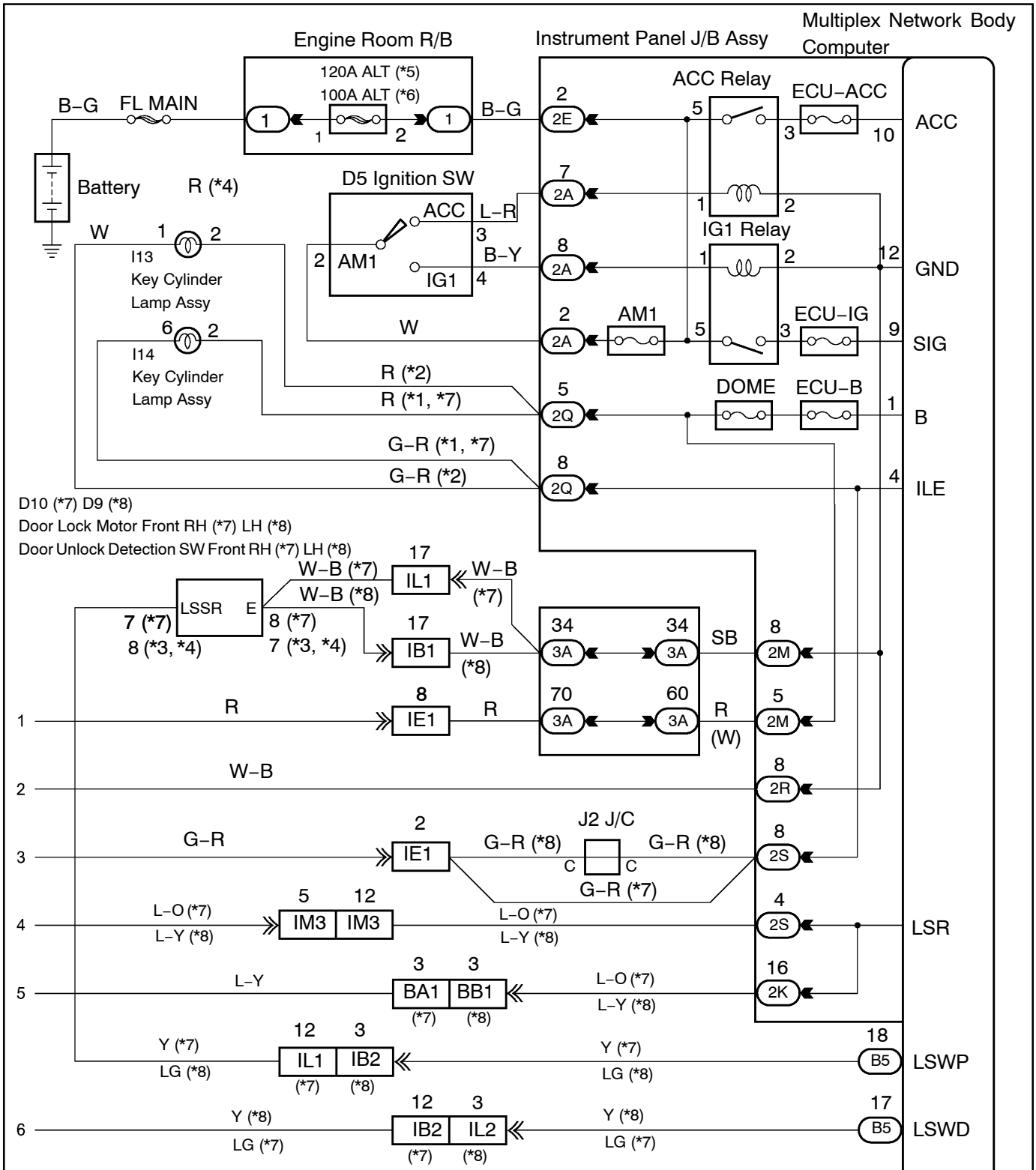
ROOM LAMP ASSY NO.1 DOES NOT LIGHT UP

WIRING DIAGRAM




Multiplex Network Body Computer
Engine Room R/B
Instrument Panel J/B Assy
120A ALT (*5)
100A ALT (*6)
B–G
FL MAIN
Battery
R (*4)
D5 Ignition SW
ACC
L–R
AM1
IG1
B–Y
ACC Relay
IG1 Relay
ECU–ACC
ECU–IG
DOME
ECU–B
I13
Key Cylinder Lamp Assy
I14
Key Cylinder Lamp Assy
W
R (*2)
R (*1, *7)
G–R (*1, *7)
G–R (*2)
ACC
GND
SIG
B
ILE
D10 (*7) D9 (*8)
Door Lock Motor Front RH (*7) LH (*8)
Door Unlock Detection SW Front RH (*7) LH (*8)
LSSR
W–B (*7)
W–B (*8)
7 (*7)
8 (*3, *4)
8 (*7)
7 (*3, *4)
IL1
IB1
W–B
(*7)
(*8)
SB
R
IE1
R
(W)
W–B
G–R
J2 J/C
G–R (*8)
G–R (*7)
L–O (*7)
L–Y (*8)
IM3
L–Y
BA1
BB1
Y (*7)
LG (*8)
IB2
Y (*8)
LG (*7)
IL2
LSR
LSWP
LSWD
*1: RHD, w/ immobiliser system
*2: RHD, w/o immobiliser system
*3: RHD, w/ Double locking
*4: RHD, w/o Double locking
*5: 1MZ – FE
*6: 1AZ – FE, 2 AZ – FE
*7: LHD
*8: RHD
H
E57907

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 4**

A

2	CHECK DOOR LOCK

(a) Check which door lamp does not light up.
(b) Measure voltage between terminals, when unlocking the door.

Malfunction part	Tester connection	Specified condition
Front door LH	B5–17 (LSWD) – Body ground	10 – 14 V → Below 1 V
Front door RH	B5–18 (LSWP) – Body ground	10 – 14 V → Below 1 V
Rear door RH	19 (LSR) – Body ground	10 – 14 V → Below 1 V
Rear door LH	2K–16 (LSR) – Body ground	10 – 14 V → Below 1 V

OK → **CHECK AND REPLACE INSTRUMENT PANEL JUNCTION BLOCK ASSY**

NG

3	CHECK HARNESS AND CONNECTOR(BETWEEN INSTRUMENT PANEL J/B ASSY AND DOOR LOCK)

(a) Check the continuity between terminals as shown in the chart below.
Standard:

Malfunction part	Tester connection	Specified condition
Front door LH	B5–17 (LSWD) – Front door lock LH	Continuity → No continuity
Front door RH	B5–18 (LSWP) – Front door lock RH	Continuity → No continuity
Rear door RH	19 (LSR) – Rear door lock RH	Continuity → No continuity
Rear door LH	2K–16 (LSR) – Rear door lock LH	Continuity → No continuity

OK → **REPLACE DOOR LOCK**

NG

REPAIR OR REPLACE HARNESS OR CONNECTOR

4	CHECK INSTRUMENT PANEL JUNCTION BLOCK ASSY(ACC)

(a) Measure voltage between terminal 2A–7 (ACC) and 2A–8 (GND) of instrument panel J/B assy.
Standard:

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

OK → CHECK AND REPLACE INSTRUMENT PANEL JUNCTION BLOCK ASSY

NG

REPAIR OR REPLACE HARNESS OR CONNECTOR

5	CHECK INSTRUMENT PANEL JUNCTION BLOCK ASSY(ILE)

(a) Measure voltage between terminals as shown in the chart below when each lamp lights up.
Standard:

Item	Tester connection	Specified condition
Key cylinder lamp assy	4 (ILE) – 12 (GND)	10 – 14 V → Below 1 V
Room lamp assy No. 1	4 (ILE) – 12 (GND)	10 – 14 V → Below 1 V

NG → CHECK AND REPLACE INSTRUMENT PANEL JUNCTION BLOCK ASSY

OK

6	CHECK HARNESS AND CONNECTOR(BETWEEN INSTRUMENT PANEL J/B ASSY AND LAMP)

(a) Disconnect the connector of the multiplex network body computer.
(b) Check the continuity between terminals as shown in the chart below.
Standard:

Item	Tester connection	Specified condition
Key cylinder lamp assy	4 (ILE) – Key cylinder lamp assy	Continuity
Room lamp assy No. 1	4 (ILE) – Room lamp assy No. 1	Continuity

NG → REPAIR OR REPLACE HARNESS OR CONNECTOR

OK

7	CHECK KEY CYLINDER LAMP ASSY

(a) Check the continuity between terminals of key cylinder lamp assy.
Standard: There is continuity.

NG → REPLACE KEY CYLINDER LAMP ASSY

OK

REPLACE ROOM LAMP ASSY NO.1