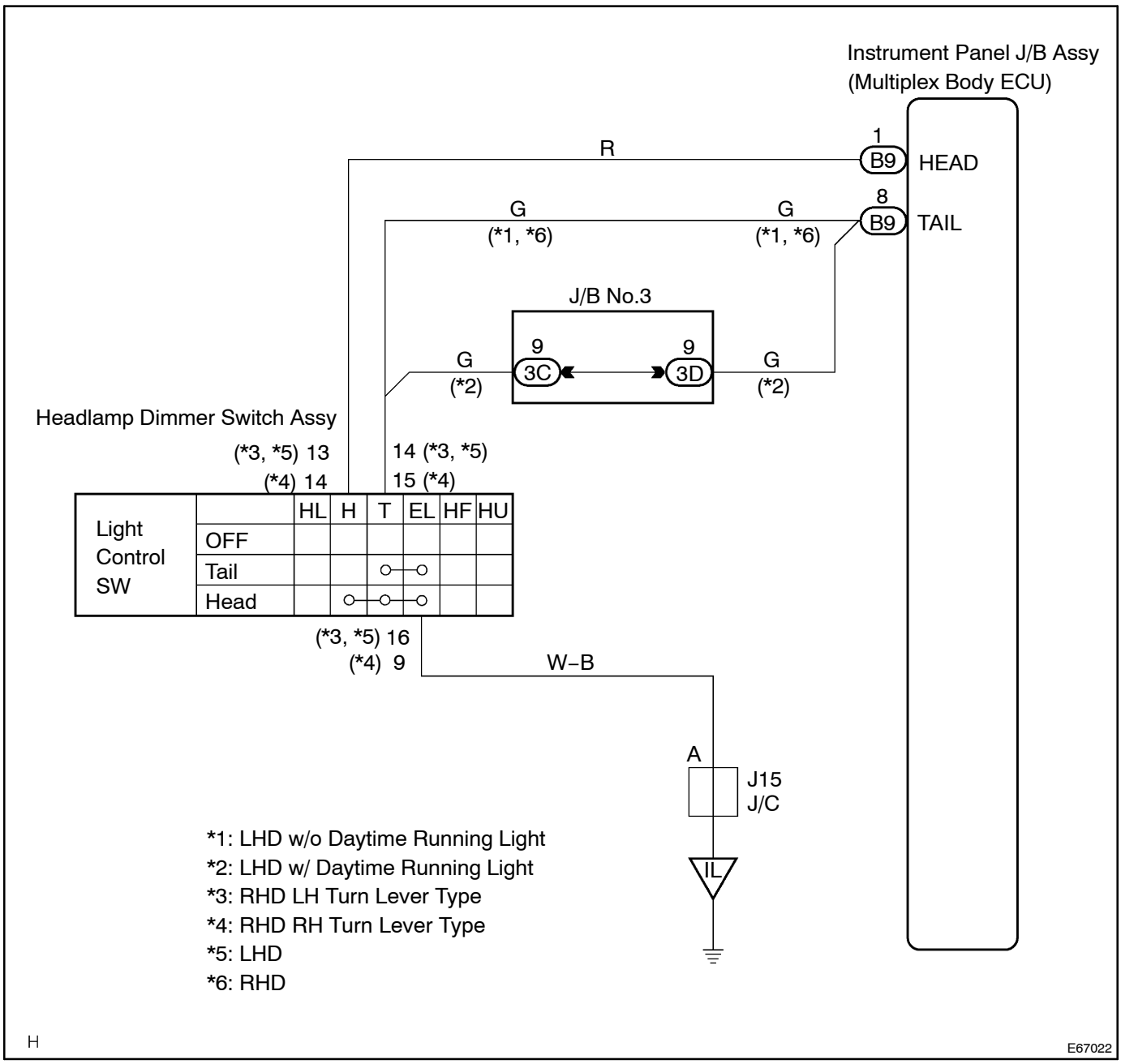
LIGHT CONTROL SWITCH CIRCUIT

CIRCUIT DESCRIPTION

This circuit detects the state of the light control switch and sends it to the Multiplex body ECU.

WIRING DIAGRAM



INSPECTION PROCEDURE

HINT:
Start the inspection from step 1 in the case of using the hand–held tester, and start from step 2 in the case of not using the hand–held tester.

1	READ VALUE OF HAND–HELD TESTER

(a) Connect the hand–held tester to DLC3.
(b) Turn the ignition switch to ON and push the hand–held tester main SW ON.
(c) Select the items in the DATA LIST, and read the displays on the hand–held tester.

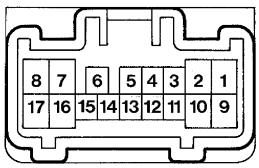
Multiplex body ECU:

Item	Measurement Item/ Display (Range)	Normal Condition	Diagnostic Note
HEAD LIGHT SW	Head light control SW signal/ON or OFF	ON: Light control switch is in HEAD position OFF: Light control SW is in except HEAD position	–
TAIL LIGHT SW	Taillight SW signal/ ON or OFF	ON: Light control switch is in TAIL or HEAD position OFF: Light control switch is in OFF position	–

OK → **PROCEED TO NEXT CIRCUIT INSPECTION SHOWN ON PROBLEM SYMPTOMS TABLE (SEE PAGE 05–1346)**

NG

2	INSPECT HEADLAMP DIMMER SWITCH ASSY(HEAD, TAIL)



E11948

(a) Inspect the headlamp dimmer switch (light control switch) continuity.
(1) Check that there is continuity between terminals at each switch position as shown in the chart.

Standard:
LHD STEERING POSITION TYPE:

Switch operation	Tester connection	Specified condition
OFF	–	No continuity
TAIL	14 – 16	Continuity
HEAD	13 – 16 – 14	Continuity

Standard:
RHD STEERING POSITION TYPE:

Switch operation	Tester connection	Specified condition
OFF	–	No continuity
TAIL	15 – 9	Continuity
HEAD	15 – 14 – 9	Continuity

NG → **REPLACE HEADLAMP DIMMER SWITCH ASSY**

OK

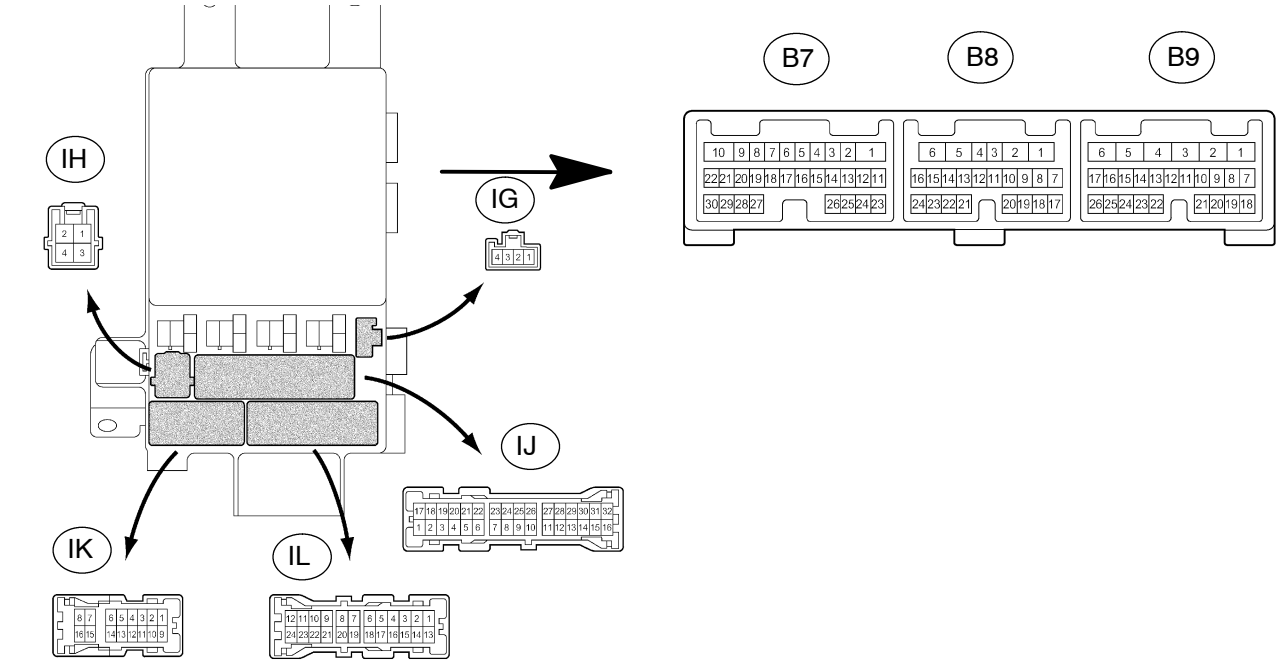
3 INSPECT INSTRUMENT PANEL JUNCTION BLOCK ASSY(HEAD, TAIL)

(a) Measure voltage between terminal HEAD and TAIL of the instrument panel J/B and body ground.

Standard:

Terminal No. (Symbols)	Condition	Specified condition
B9–1 ⇔ body ground (HEAD ⇔ body ground)	Turn IG switch ON	10–14 V
B9–8 ⇔ body ground (TAIL ⇔ body ground)	Turn IG switch ON	10–14 V

Instrument Panel J/B



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

OK

4	INSPECT INSTRUMENT PANEL JUNCTION BLOCK ASSY(HEAD, TAIL)

(a) Disconnect the connector from the instrument panel J/B.
(b) Check that there is continuity between terminal HEAD and TAIL of the instrument panel J/B and body ground with wire harness side.

Standard:

Terminal No. (Symbols)	Condition	Specified condition
B9–1 ⇔ body ground (HEAD ⇔ body ground)	Turn headlight dimmer switch OFF → HEAD	No continuity → continuity
B9–8 ⇔ body ground (TAIL ⇔ body ground)	Turn headlight dimmer switch OFF → TAIL or HEAD	No continuity → continuity

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

OK

PROCEED TO NEXT CIRCUIT INSPECTION SHOWN ON PROBLEM SYMPTOMS TABLE
(SEE PAGE 05–1346)