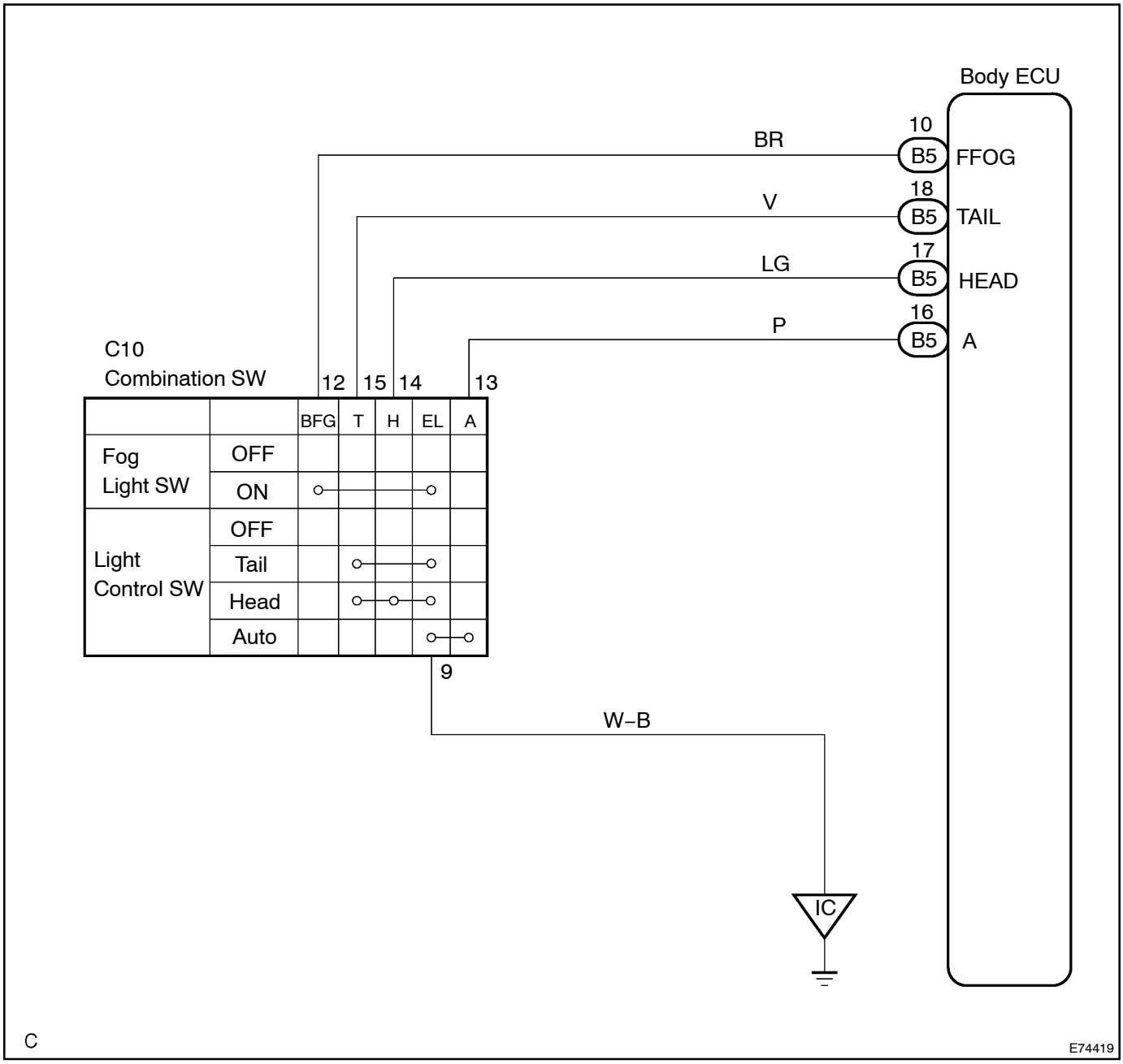
LIGHT CONTROL SWITCH CIRCUIT

CIRCUIT DESCRIPTION

This circuit detects the state of the headlamp dimmer switch.

WIRING DIAGRAM



INSPECTION PROCEDURE

1	READ VALUE OF INTELLIGENT TESTER II

(a) Connect the intelligent tester II to the DLC3.
(b) Turn the ignition switch to the ON position and turn the intelligent tester II main switch on.
(c) Select the item below in the DATA LIST and read the display on intelligent tester II.

BODY NO.1 (MULTIPLEX NETWORK BODY ECU):

Item	Measurement Item/ Display (Range)	Normal Condition	Diagnostic Note
Front Fog Light SW	Front fog light SW signal/ON or OFF	ON: Front fog light switch is in ON position OFF: Front fog light switch is in OFF position	–
Auto Light SW	Auto light SW signal/ ON or OFF	ON: Light control switch is in AUTO position OFF: Light control switch is in any position except AUTO	–
Head Light SW (Head)	Headlight control SW signal/ON or OFF	ON: Light control switch is in HEAD position OFF: Light control switch is in any position except HEAD	–
Head Light SW (Tail)	Tail light SW signal/ ON or OFF	ON: Light control switch is in TAIL position OFF: Light control switch is in any position except TAIL	–

NG → **Go to step 2**

OK

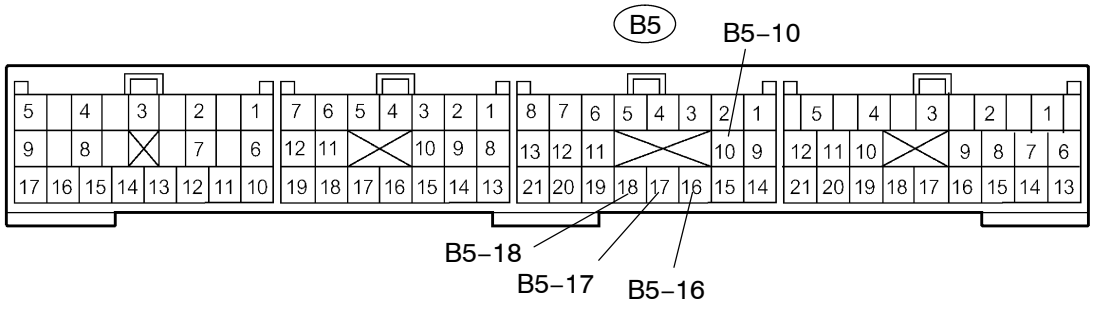
PROCEED TO NEXT CIRCUIT INSPECTION SHOWN IN PROBLEM SYMPTOMS TABLE
(SEE PAGE 05–751)

2	INSPECT MULTIPLEX NETWORK BODY ECU

(a) Disconnect the B5 connector from the multiplex network body ECU.
(b) Measure the resistance according to the value(s) in the table below.
Standard:

Tester connection	Condition	Specified condition
B5–10 – Body ground	Front fog light switch OFF → ON	10 kΩ or higher → Below 1 Ω
B5–16 – Body ground	Light control switch OFF → AUTO	10 kΩ or higher → Below 1 Ω
B5–17 – Body ground	Light control switch OFF → HEAD	10 kΩ or higher → Below 1 Ω
B5–18 – Body ground	Light control switch OFF → TAIL	10 kΩ or higher → Below 1 Ω

Multiplex Network Body ECU
Connector Front View:



H

E74263

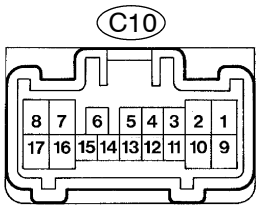
NG → **Go to step 3**

OK

PROCEED TO NEXT CIRCUIT INSPECTION SHOWN IN PROBLEM SYMPTOMS TABLE
(SEE PAGE 05–751)

3 INSPECT HEADLAMP DIMMER SWITCH ASSY

Connector Front View:



E11948

(a) Inspect light control switch (when headlamp is malfunctioning).

(1) Measure the resistance according to the value(s) in the table below.

Standard:

Tester connection	Condition	Specified condition
9 – 13 9 – 14 9 – 15	OFF	10 kΩ or higher
9 – 15	TAIL	Below 1 Ω
9 – 14 9 – 15	HEAD	Below 1 Ω
9 – 13	AUTO	Below 1 Ω

(b) Inspect front fog light switch (when fog lamp is malfunctioning).

(1) Measure the resistance according to the value(s) in the table below.

Standard:

Tester connection	Condition	Specified condition
9 – 12	OFF	10 kΩ or higher
9 – 12	ON	Below 1 Ω

NG → **REPLACE HEADLAMP DIMMER SWITCH ASSY (SEE PAGE 65–25)**

OK

REPAIR OR REPLACE HARNESS OR CONNECTOR