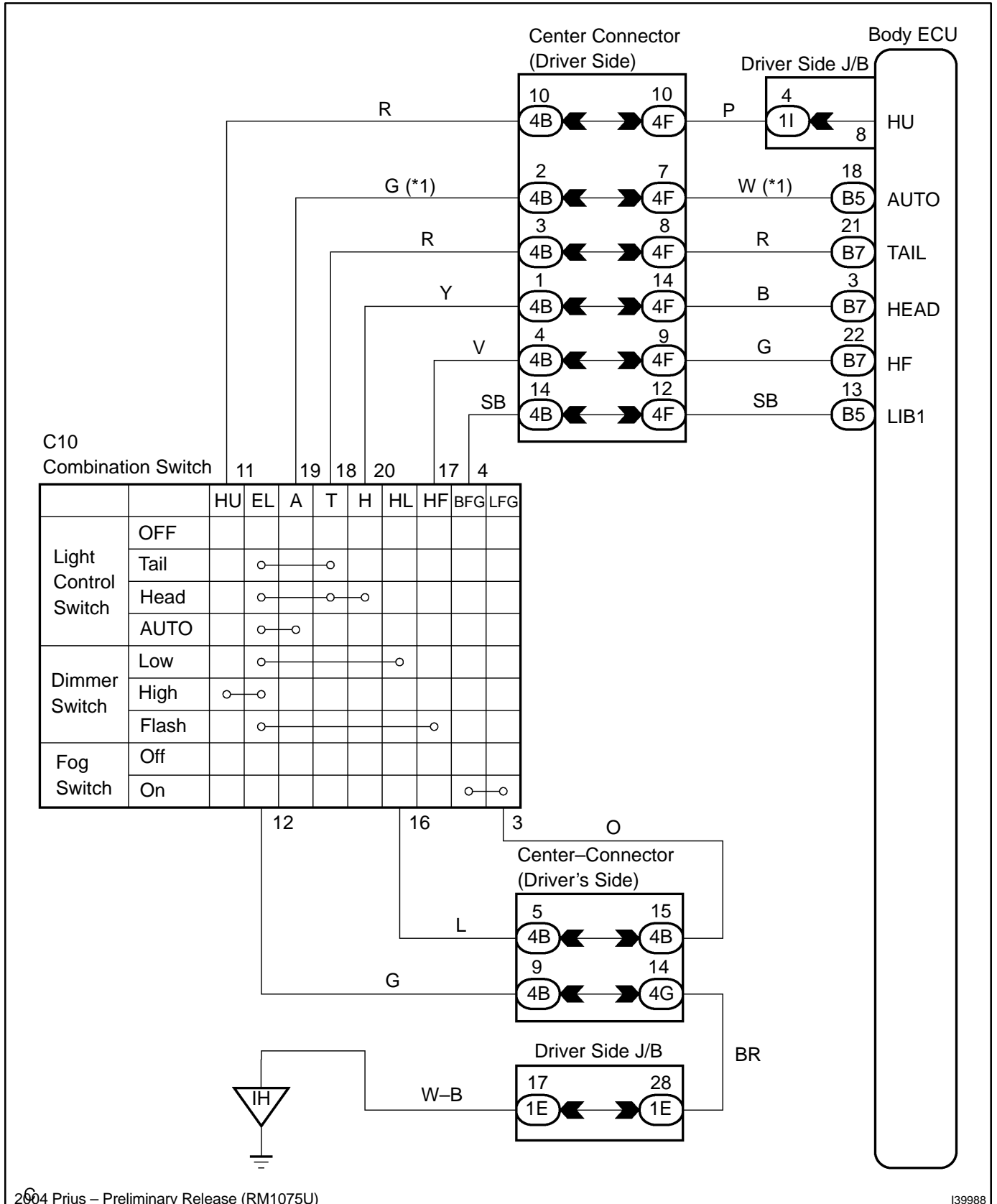


# LIGHT CONTROL SWITCH CIRCUIT

## CIRCUIT DESCRIPTION

This circuit detects the state of the headlamp dimmer switch.

## WIRING DIAGRAM



## INSPECTION PROCEDURE

### 1 READ VALUE OF HAND-HELD TESTER

- (a) Connect the hand-held tester to the DLC3.  
 (b) Push the power switch ON (IG) and press the hand-held tester main switch on.  
 (c) Select the items below in the DATA LIST, and read the displays on the hand-held tester.

#### B No.1/GW (Multiplex Network Body ECU):

Item	Measurement Item/ Display (Range)	Normal Condition	Diagnostic Note
DIMMER SW	Headlight dimmer SW signal/ON or OFF	ON: Headlamp dimmer switch is in HI or FLASH position OFF: Headlamp dimmer switch is in LO position	-
HIGH FLASHER SW	Headlight dimmer SW signal/ON or OFF	ON: Headlamp dimmer switch is in FLASH position OFF: Headlamp dimmer switch is in except FLASH 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 except AUTO position	-
HEAD LIGHT SW	Head light control SW signal/ON or OFF	ON: Light control switch is in HEAD position OFF: Light control switch is in except HEAD position	-
TAIL LIGHT SW	Taillight SW signal/ ON or OFF	ON: Light control switch is in TAIL or HEAD position	-

**NG**

**Go to step 2**

**OK**

**PROCEED TO NEXT CIRCUIT INSPECTION SHOWN IN PROBLEM SYMPTOMS TABLE  
 (SEE PAGE 05-1677)**

### 2 INSPECT INSTRUMENT PANEL JUNCTION BLOCK ASSY

- (a) Disconnect the B5, B7 and 11 connectors from the instrument panel junction block assy.  
 (b) Measure the resistance according to the value(s) in the table below.

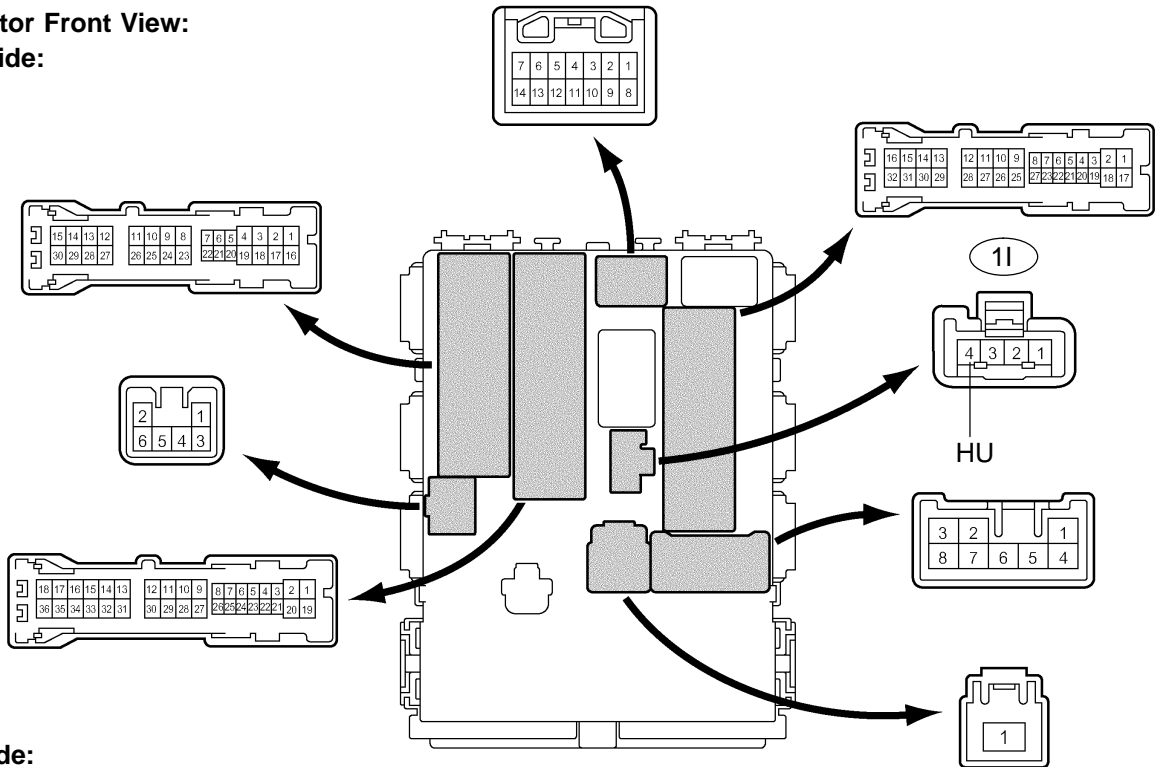
#### Standard:

Tester connection	Condition	Specified condition
11-4 - Body ground	Headlamp dimmer switch LOW → HIGH	10 kΩ or higher → Below 1 Ω
B5-18 - Body ground	Light control switch OFF → AUTO	10 kΩ or higher → Below 1 Ω
B7-3 - Body ground	Light control switch OFF → HEAD	10 kΩ or higher → Below 1 Ω
B7-21 - Body ground	Light control switch OFF → TAIL	10 kΩ or higher → Below 1 Ω
B7-22 - Body ground	Headlamp dimmer switch LOW → FLASH	10 kΩ or higher → Below 1 Ω

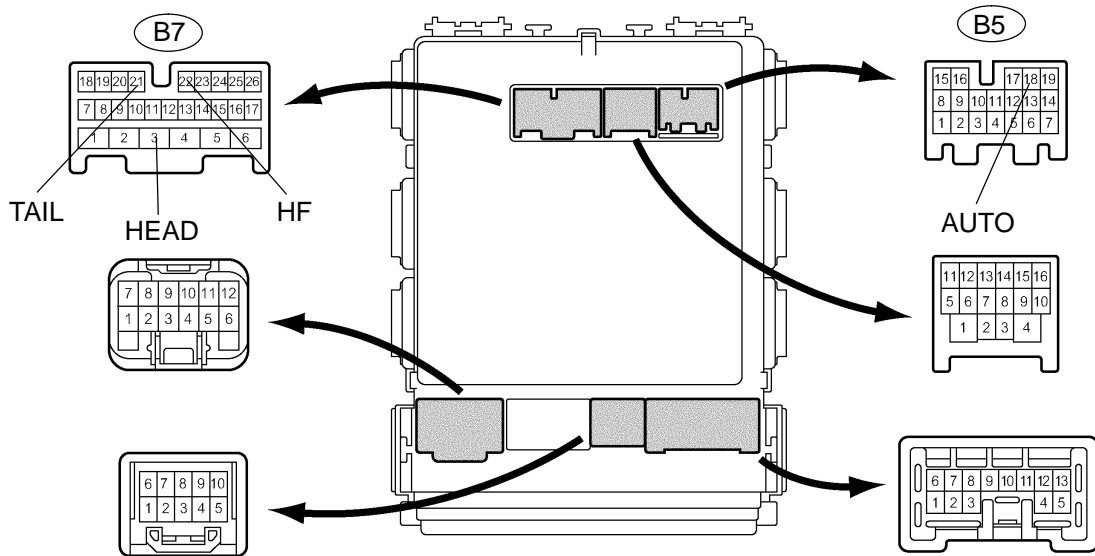
**Instrument Panel Junction Block**

**Connector Front View:**

**Front Side:**



**Rear Side:**



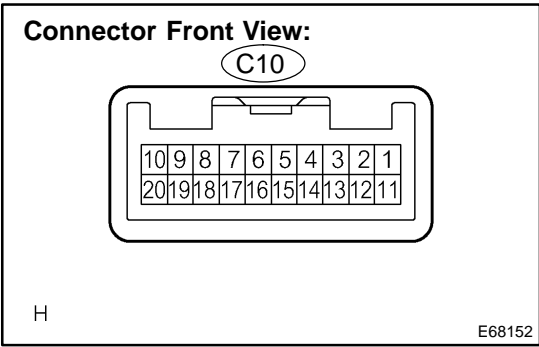
I41126

**NG** → **Go to step 3**

**OK**

**PROCEED TO NEXT CIRCUIT INSPECTION SHOWN IN PROBLEM SYMPTOMS TABLE (SEE PAGE 05-1677)**

**3 INSPECT HEADLAMP DIMMER SWITCH ASSY**



- (a) Inspect light control switch continuity.
  - (1) Measure the resistance according to the value(s) in the table below.

**Standard:**

Tester connection	Condition	Specified condition
12 - 18 12 - 19 12 - 20	OFF	10 kΩ or higher
12 - 18	TAIL	Below 1 Ω
12 - 18 12 - 20	HEAD	Below 1 Ω
12 - 19	AUTO	Below 1 Ω

- (b) Inspect headlamp dimmer switch continuity.
  - (1) Measure the resistance according to the value(s) in the table below.

**Standard:**

Tester connection	Condition	Specified condition
11 - 12 12 - 17	FLASH	Below 1 Ω
12 - 16	LOW BEAM	Below 1 Ω
11 - 12	HIGH BEAM	Below 1 Ω

**NG** → **REPLACE HEADLAMP DIMMER SWITCH ASSY (SEE PAGE 65-23)**

**OK**

**REPAIR OR REPLACE HARNESS OR CONNECTOR**