

System Outline

1. Normal Lighting Operation

<Turn taillight on>

With the light control SW turned to TAIL position, a signal is input into TERMINAL (A) 8 of the body ECU. Due to this signal, the current flowing to TERMINAL 14 of the ECU flows to TERMINAL (A) 8 to TERMINAL 14 of the light control SW to TERMINAL 16 to GROUND, and TAIL relay causes taillights to turn on.

<Turn headlight on>

With the light control SW turned to HEAD position, a signal is input into TERMINALS (A) 8 and (A) 9 of the body ECU. Due to this signal, the current flowing to TERMINAL 15 of the ECU flows to TERMINAL (A) 9 to TERMINAL 13 of the light control SW to TERMINAL 16 to GROUND in the headlight circuit, and causes taillight and HEAD relay to turn the lights on. The taillight circuit is same as above.

2. Light Auto Turn Off Operation

With light on and ignition SW turned off (Input signal goes to TERMINAL 9 of the ECU), when the driver's door is opened (Input signal goes to TERMINAL (C) 1 of the ECU), the body ECU operates and the current is cut off which flows from TERMINAL 14 of the ECU to TERMINAL (A) 8 In taillight circuit and from TERMINAL 15 to TERMINAL (A) 9 in headlight circuit.

As a result, all lights are turned off automatically.

Service Hints

TAIL Relay

5-3 : Closed with the light control SW at HEAD or TAIL position

HEAD Relay

5-3 : Closed with the light control SW at HEAD position or dimmer SW at FLASH position

Closed with the engine running and parking brake released (Parking brake SW off)

Body ECU

9-Ground : Approx. 12 volts with ignition SW at ON or ST position

12, 24-Ground : Always continuity

1-Ground : Always approx. 12 volts

D6, D7 Door Courtesy SW Front LH, RH

1-Ground : Closed with the driver door open

○ : Parts Location

Code		See Page	Code	See Page	Code	See Page
B5	A	40 (LHD)	C11	50 (RHD)	J12	41 (LHD)
		50 (RHD)	D6	42 (LHD)		51 (RHD)
B7	C	40 (LHD)	D7	52 (RHD)	J13	51 (RHD)
		50 (RHD)	J4	41 (LHD)		
C11		40 (LHD)		51 (RHD)		

○ : Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
1	22	Engine Room R/B (Engine Compartment Left)

○ : Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
1H	25	Engine Room Main Wire and Engine Room J/B (Engine Compartment Left)
2B	28	Instrument Panel Wire and Driver Side J/B (Lower Finish Panel)
2E	28	Engine Room Main Wire and Driver Side J/B (Lower Finish Panel)
2F		
2R	29	Instrument Panel Wire and Driver Side J/B (Lower Finish Panel)

Light Auto Turn Off



: **Connector Joining Wire Harness and Wire Harness**

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IC2	60 (LHD)	Instrument Panel Wire and Floor Wire (Left Kick Panel)
	72 (RHD)	Instrument Panel Wire and Floor Wire (Right Kick Panel)



: **Ground Points**

Code	See Page	Ground Points Location
II	60 (LHD)	Cowl Side Panel LH
IJ	60 (LHD)	Instrument Panel Brace LH
IK	60 (LHD)	Instrument Panel Brace LH
	72 (RHD)	
IM	72 (RHD)	Instrument Panel Brace RH
IN	72 (RHD)	Instrument Panel Reinforcement RH

