

# AUTOMATIC LIGHT CONTROL (LHD)

## SYSTEM OUTLINE

When the light control SW is set at AUTO, the automatic light control system automatically turns on or off the taillights and headlights depending on the brightness around the vehicle.

### AUTOMATIC LIGHT CONTROL OPERATION

The automatic light control sensor converts the intensity of the illumination into frequency and inputs it to the body ECU No.2. When the light control SW is set at AUTO, the signal is input to **TERMINAL AUTO** of the body ECU No.2. Through communication control of the body ECU and door ECU etc. , the taillights and headlights are automatically turned on or off.

#### \* Turn on operation

When the body ECU No.2 receives the frequency signal from the automatic light control sensor and determines that the brightness around the vehicle has decreased below a specified level, **TERMINAL TRLY** and **HRLY** of the body ECU No.2 are controlled through communication control of the body ECU and door ECU etc. As a result, the taillights and headlights light up as the tail relay and HEAD LP relay are turned on.

#### \* Turn off operation

When the body ECU No.2 receives the frequency signal from the automatic light control sensor and determines that the brightness around the vehicle has exceeded a specified level, **TERMINAL TRLY** and **HRLY** of the body ECU No.2 are controlled through communication control of the body ECU and door ECU etc. As a result, the taillights and headlights go off as the tail relay and HEAD LP relay are turned off.

Additionally, when the ignition SW is changed from ON to OFF and any door is opened, and then closed with the taillights and headlights lit (The automatic light control is functioning), the taillights and headlights are turned off in the same manner as the light auto turn off operation.

## SERVICE HINTS

### C13 LIGHT CONTROL SW [COMB. SW]

15-16 : Closed with light control SW at **TAIL** or **HEAD** position

14-16 : Closed with light control SW at **HEAD** position

13-16 : Closed with light control SW at **AUTO** position

### D8 DOOR COURTESY SW FRONT LH

1-2 : Closed with driver door open

## : PARTS LOCATION

Code	See Page	Code	See Page	Code	See Page
A33	72 (LHD)	D8	76 (LHD)	J8	74 (LHD)
B6	A 72 (LHD)	D18	A 76 (LHD)	J10	74 (LHD)
C12	72 (LHD)	D19	B 76 (LHD)	J15	74 (LHD)
C13	72 (LHD)	D20	C 76 (LHD)	J18	74 (LHD)
D1	72 (LHD)	J7	74 (LHD)		

## : RELAY BLOCKS

Code	See Page	Relay Blocks (Relay Block Location)
1	54 (LHD)	Engine Room No.1 R/B (Engine Compartment Right)

## : JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
1A	58 (LHD)	Engine Room Main Wire and Driver Side J/B (Left Kick Panel)
1D	58 (LHD)	Instrument Panel Wire and Driver Side J/B (Left Kick Panel)
1F	58 (LHD)	Cowl Wire and Driver Side J/B (Left Kick Panel)
1G	59 (LHD)	
1H		
2B	60 (LHD)	Engine Room Main Wire and Passenger Side J/B (Right Kick Panel)
2G	61 (LHD)	Cowl Wire and Passenger Side J/B (Right Kick Panel)

## : CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IB1	98 (LHD)	Front Door LH Wire and Cowl Wire (Left Kick Panel)
IE1	98 (LHD)	Instrument Panel Wire and Cowl Wire (Left Side of the Steering Column)
II2	100 (LHD)	Engine Room Main Wire and Cowl Wire (Near the Passenger Side R/B)



## : GROUND POINTS

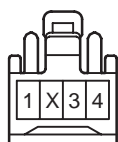
Code	See Page	Ground Points Location
IF	98 (LHD)	Left Kick Panel
II	98 (LHD)	Right Side of the Cowl Panel



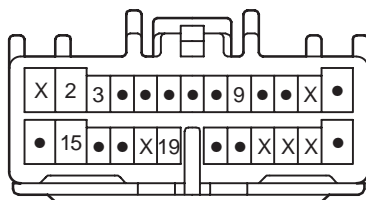
## : SPLICE POINTS

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
I6	100 (LHD)	Cowl Wire			

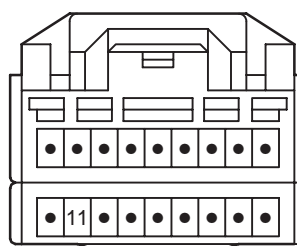
A33 BLACK



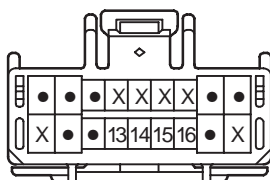
B6 (A)



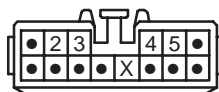
C12



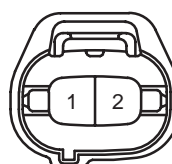
C13



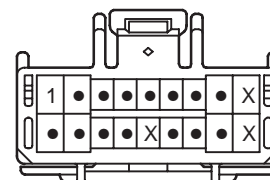
D1 BLUE



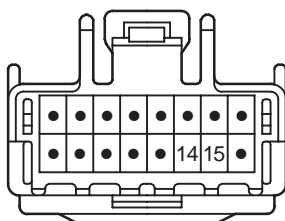
D8 GRAY



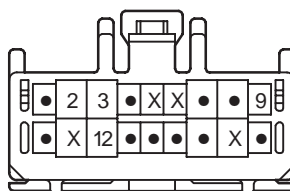
D18 (A) GRAY



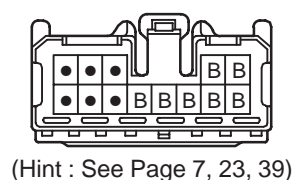
D19 (B) GRAY



D20 (C) GRAY

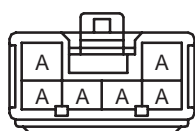


J7 GRAY



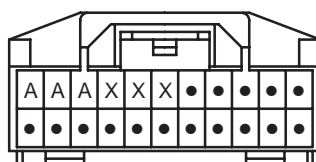
(Hint : See Page 7, 23, 39)

J8



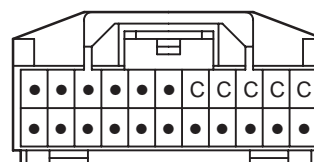
(Hint : See Page 7, 23, 39)

J10



(Hint : See Page 7, 23, 39)

J15



(Hint : See Page 7, 23, 39)

J18



(Hint : See Page 7, 23, 39)