





AUTOMATIC LIGHT CONTROL

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

C14 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

D13 DOOR COURTESY SW FRONT LH

1-2 : Closed with driver door open

: PARTS LOCATION

Code	See Page	Code	See Page	Code	See Page
A30	42	D22	A 44	J10	43
B6	A 42	D23	B 44	J14	43
C13	42	D24	C 44	J17	43
C14	42	J6	43		
D13	44	J7	43		

: RELAY BLOCKS

Code	See Page	Relay Blocks (Relay Block Location)
1	24	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)
1D	28	Instrument Panel Wire and Driver Side J/B (Left Kick Panel)
1F	28	Cowl Wire and Driver Side J/B (Left Kick Panel)
1G	29	
1H		
1K	28	
2B	30	Engine Room Main Wire and Passenger Side J/B (Right Kick Panel)
2G	31	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	52	Front Door LH Wire and Cowl Wire (Left Kick Panel)
IE1	52	Instrument Panel Wire and Cowl Wire (Left Side of the Steering Column)
II2	52	Engine Room Main Wire and Cowl Wire (Near the Passenger Side R/B)

**: GROUND POINTS**

Code	See Page	Ground Points Location
IF	52	Left Kick Panel
II	52	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	54	Cowl Wire			