

AUTOMATIC LIGHT CONTROL (RHD)

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 (A), (B) LIGHT CONTROL SW [COMB. SW]

(A) 15-(A) 16, (B) 15-(B) 9 : Closed with light control SW at **TAIL** or **HEAD** position

(A) 14-(A) 16, (B) 14-(B) 9 : Closed with light control SW at **HEAD** position

(A) 13-(A) 16, (B) 13-(B) 6 : Closed with light control SW at **AUTO** position

D9 DOOR COURTESY SW FRONT RH

1-2 : Closed with driver door open

: PARTS LOCATION

Code	See Page	Code	See Page	Code	See Page
A33	86 (RHD)	D9	90 (RHD)	J37	88 (RHD)
B6	A 86 (RHD)	D18	A 90 (RHD)	J40	88 (RHD)
C12	86 (RHD)	D19	B 90 (RHD)	J41	88 (RHD)
C13	A 86 (RHD)	D20	C 90 (RHD)	J42	88 (RHD)
	B 86 (RHD)	J32	88 (RHD)		

: RELAY BLOCKS

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

: JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

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

: CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

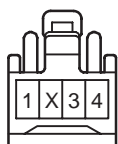
Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IA2	108 (RHD)	Engine Room Main Wire and Cowl Wire (Near the Passenger Side R/B)
IJ1	110 (RHD)	Instrument Panel Wire and Cowl Wire (Right Side of the Steering Column)
IL1	110 (RHD)	Front Door RH Wire and Cowl Wire (Right Kick Panel)



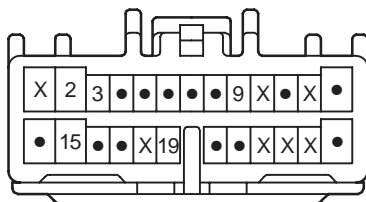
: GROUND POINTS

Code	See Page	Ground Points Location
IF	108 (RHD)	Left Kick Panel
IG	108 (RHD)	Behind the Combination Meter
II	108 (RHD)	Cowl Side Panel RH

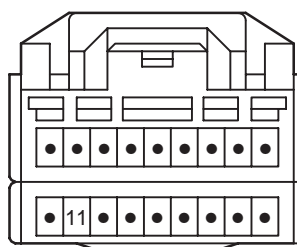
A33 BLACK



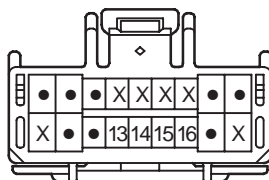
B6 (A)



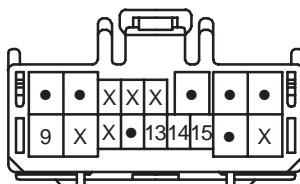
C12



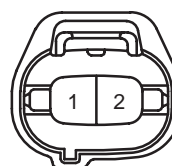
(Europe) C13 (A)



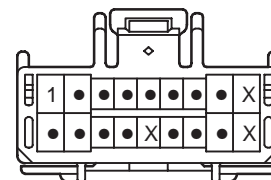
(Australia) C13 (B)



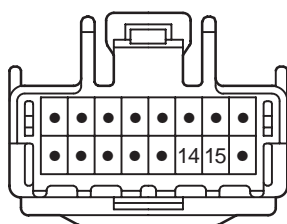
D9 GRAY



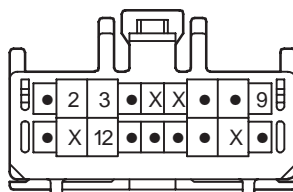
D18 (A) GRAY



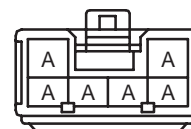
D19 (B) GRAY



D20 (C) GRAY

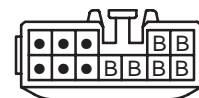


J32



(Hint : See Page 7, 23, 39)

J37



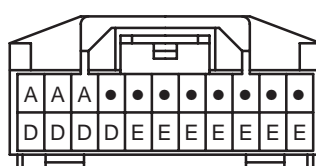
(Hint : See Page 7, 23, 39)

J40 GRAY



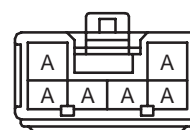
(Hint : See Page 7, 23, 39)

J41



(Hint : See Page 7, 23, 39)

J42



(Hint : See Page 7, 23, 39)