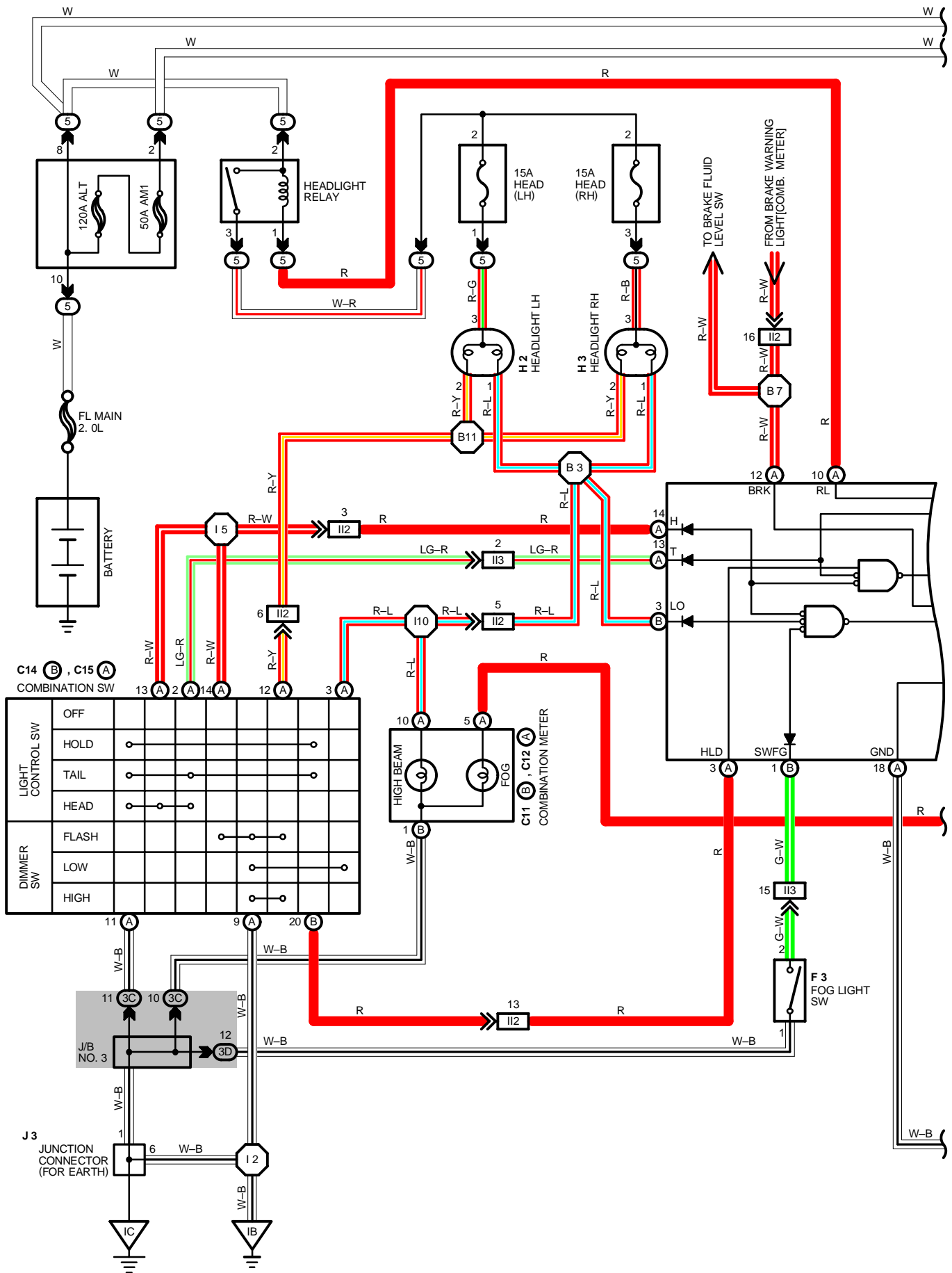


# HEADLIGHT AND FOG LIGHT (FOR CANADA)





# HEADLIGHT AND FOG LIGHT (FOR CANADA)

## SYSTEM OUTLINE

CURRENT FROM THE BATTERY FLOWS CONTINUOUSLY FROM FL 2.0L → ALT FUSE → AM1 FUSE → TALLIGHT RELAY (COIL SIDE) → **TERMINAL RT** OF THE RETRACT CONTROL RELAY, FL 2.0L → ALT FUSE → AM1 FUSE → FOGLEIGHT RELAY (COIL SIDE) → **TERMINAL RDRL** OF RETRACT CONTROL RELAY.

WHEN THE IGNITION SW IS TURNED ON, THE CURRENT FLOWING THROUGH THE GAUGE FUSE TO **TERMINAL IG** OF THE RETRACT CONTROL RELAY.

### DAYTIME RUNNING LIGHT OPERATION

WHEN THE ENGINE IS STARTED, VOLTAGE IS GENERATED AT **TERMINAL "L"** OF THE ALTERNATOR AND VOLTAGE IS APPLIED TO **TERMINAL "L"** OF THE RETRACT CONTROL RELAY.

IF THE PARKING BRAKE LEVER IS PULLED UP (PARKING BRAKE SW ON) AT THIS TIME, THE RELAY IS NOT ENERGIZED, SO THE DAYTIME RUNNING LIGHTS SYSTEM DOSE NOT OPERATE.

IF THE PARKING BRAKE LEVER IS THEN RELEASED (PARKING BRAKE SW OFF), THE SIGNAL IS INPUT TO **TERMINAL 'PKB'** OF THE RELAY.

THIS ACTIVATES THE RELAY AND CURRENT FROM ALT FUSE FLOWS TO TAILLIGHT RELAY (POINT SIDE) → TAIL FUSE → TAIL, LICENCE AND FRONT CLEARANCE LIGHTS, ETC. → **GROUND**.

ALSO, CURRENT FROM ALT FUSE FLOWS TO FOG FUSE → FOG LIGHT RELAY (POINT SIDE) → FOG LIGHTS → **GROUND**, SO BOTH TAIL AND FOG LIGHTS LIGHT UP. THIS IS HOW THE DAYTIME RUNNING LIGHTS SYSTEM OPERATES AND TAIL, FOG LIGHT HAVE LIGHTED UP, THE TAIL AND FOG LIGHT REMAIN ON EVEN IF THE PARKING BRAKE LEVER IS PULLED UP (PARKING BRAKE SW ON).

EVEN IF THE ENGINE STALLS WITH THE IGNITION SW ON AND THERE IS NO VOLTAGE FROM **TERMINAL 'L'** OF ALTERNATOR, THE TAIL AND FOG LIGHTS REMAIN ON.

IF THE IGNITION SW IS THEN TURNED OFF, THE TAIL AND FOG LIGHTS ARE TURNED OFF.

IF THE ENGINE IS STARTED WHILE THE PARKING BRAKE IS RELEASED (PARKING BRAKE SW OFF), THE DAYTIME RUNNING LIGHTS SYSTEM OPERATES AND THE TAIL AND FOG LIGHTS LIGHT UP AS THE ENGINE STARTS.

## SERVICE HINTS

### R20, R21 RETRACT CONTROL RELAY

RT, PB, RL-GROUND: ALWAYS APPROX. 12VOLTS

IG-GROUND: 0 VOLTS WITH IGNITION SW AT **LOCK** OR **ACC** POSITION

12VOLTS WITH IGNITION SW ON

HLD-GROUND: NO CONTINUITY WITH LIGHT CONTROL SW AT **OFF** OR **HEAD** POSITION

CONTINUITY WITH LIGHT CONTROL SW AT **HOLD** OR **TAIL** POSITION

T-GROUND: NO CONTINUITY WITH LIGHT CONTROL SW AT **OFF** OR **HOLD** POSITION

CONTINUITY WITH LIGHT CONTROL SW AT **TAIL** OR **HEAD** POSITION

H-GROUND: NO CONTINUITY WITH LIGHT CONTROL SW AT **OFF**, **HOLD** OR **TAIL** POSITION

CONTINUITY WITH LIGHT CONTROL SW AT **HEAD** POSITION OR DIMMER SW AT **FLASH** POSITION

GND-GROUND: ALWAYS CONTINUITY

LSL-SDWN, LSR-SDWN: NO CONTINUITY WITH RETRACT MOTOR AT **LOWERMOST** POSITION

CONTINUITY WITH RETRACT MOTOR AT ANY POSITION EXCEPT **LOWERMOST** POSITION

LSR-SUP, LSL-SUP: NO CONTINUITY WITH RETRACT MOTOR AT **UPPERMOST** POSITION

CONTINUITY WITH RETRACT MOTOR AT ANY POSITION EXCEPT **UPPERMOST** POSITION

PKB-GROUND: CONTINUITY WITH PARKING BRAKE LEVER PULLED UP (PARKING BRAKE SW ON)

### R22, R23 RETRACT MOTOR

2-3: OPEN WITH RETRACT MOTOR AT **LOWERMOST** POSITION

2-1: OPEN WITH RETRACT MOTOR AT **UPPERMOST** POSITION

### LIGHT AUTO TURN OFF OPERATION

PLEASE REFER TO THE LIGHT AUTO TURN OFF SYSTEM (SEE PAGE 74)

### C15 DIMMER SW [COMB. SW]

9-12: CLOSED WITH DIMMER SW AT **HIGH** OR **FLASH** POSITION

## ○ : PARTS LOCATION

CODE	SEE PAGE	CODE	SEE PAGE	CODE	SEE PAGE
C11	B 26	F 6	27	P 1	26
C12	A 26	F 7	27	R20	A 27
C14	B 26	H 2	27	R21	B 27
C15	A 26	H 3	27	R22	27
F 3	26	J 3	26	R23	27

## ○ : RELAY BLOCKS

CODE	SEE PAGE	RELAY BLOCKS (RELAY BLOCK LOCATION)
1	20	R/B NO. 1 (LEFT KICK PANEL)
5	21	R/B NO. 5 (FRONT LUGGAGE COMPARTMENT RIGHT)

**○ : JUNCTION BLOCK AND WIRE HARNESS CONNECTOR**

CODE	SEE PAGE	JUNCTION BLOCK AND WIRE HARNESS (CONNECTOR LOCATION)
3A	22	COWL WIRE AND J/B NO. 3 (BEHIND COMBINATION METER)
3C		
3D		

**□ : CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS**

CODE	SEE PAGE	JOINING WIRE HARNESS AND WIRE HARNESS (CONNECTOR LOCATION)
II2	34	LUGGAGE ROOM WIRE AND COWL WIRE (RIGHT KICK PANEL)
II3	34	COWL WIRE AND LUGGAGE ROOM WIRE (RIGHT KICK PANEL)
II4		

**▽ : GROUND POINTS**

CODE	SEE PAGE	GROUND POINTS LOCATION
IB	32	LEFT KICK PANEL
IC	32	INSTRUMENT PANEL BRACE LH
BE	36	FRONT RIGHT FENDER
BF	36	FRONT LEFT FENDER

**○ : SPLICE POINTS**

CODE	SEE PAGE	WIRE HARNESS WITH SPLICE POINTS	CODE	SEE PAGE	WIRE HARNESS WITH SPLICE POINTS
12	34	COWL WIRE	B 4	36	LUGGAGE ROOM WIRE
14			B 7		
15			B 11		
110			B 13		
B 3	36	LUGGAGE ROOM WIRE	B 16		

