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HEADLIGHTS AND FOG LIGHTS

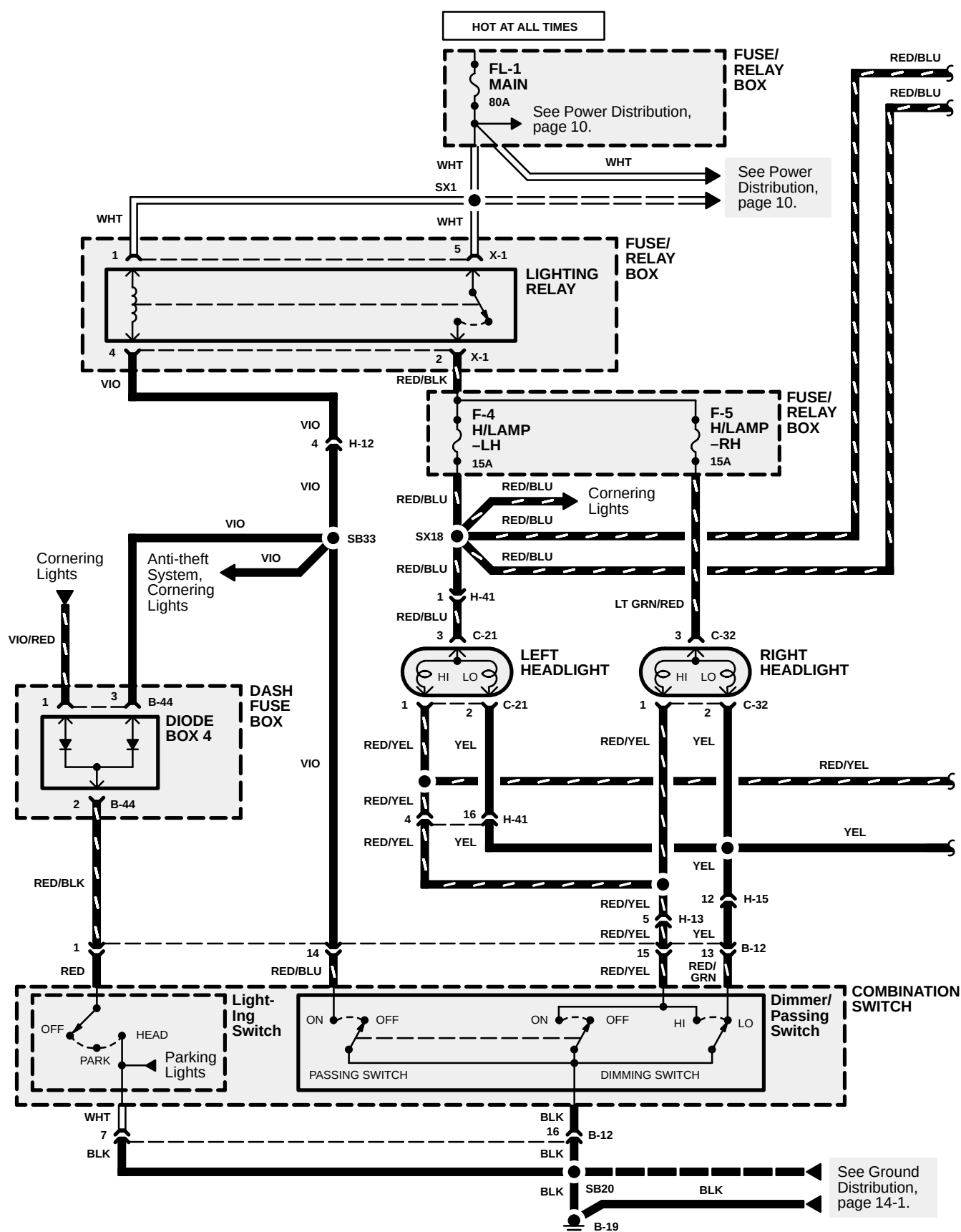
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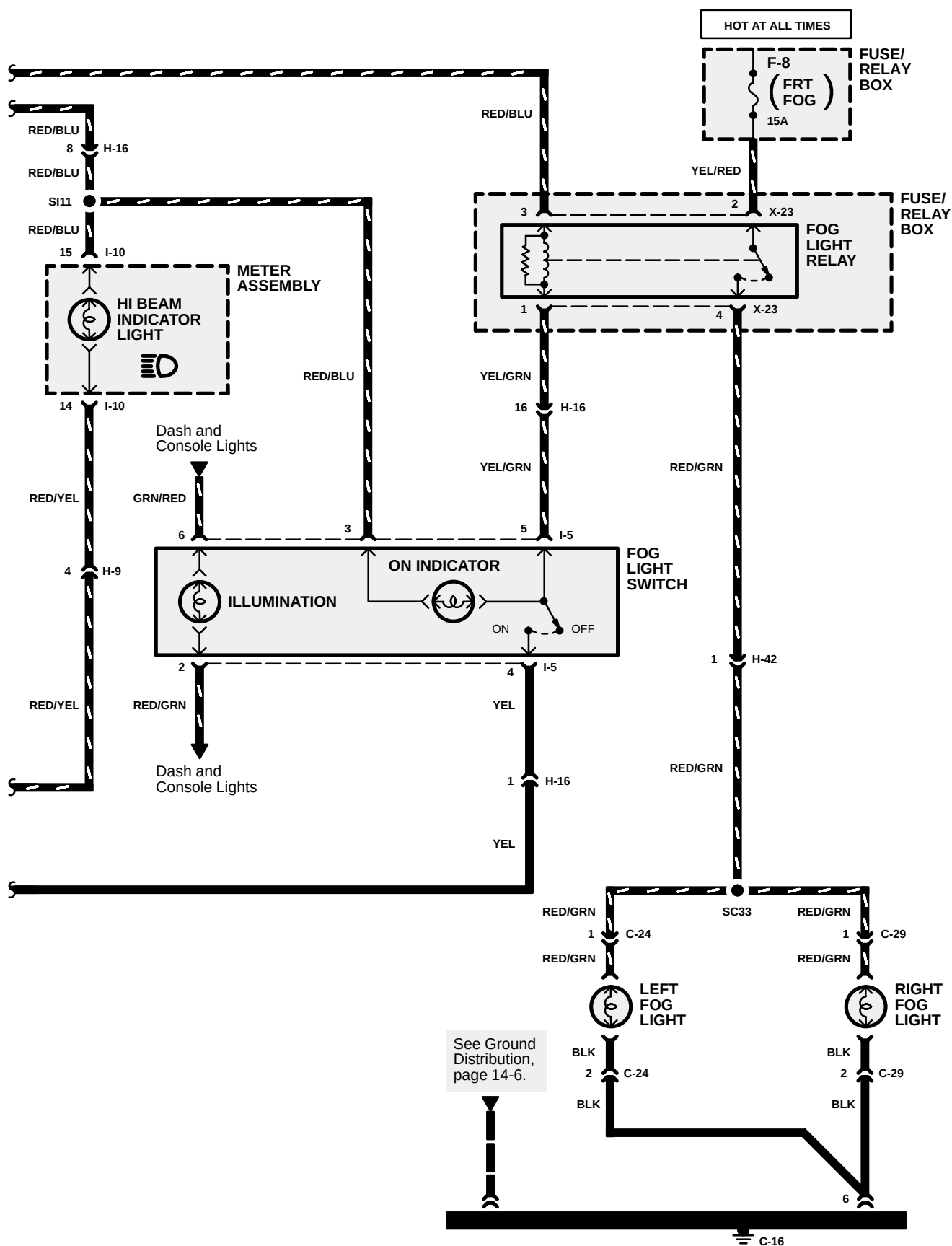
HEADLIGHTS AND FOG LIGHTS

Circuit Schematic



HEADLIGHTS AND FOG LIGHTS

Circuit Schematic



HEADLIGHTS AND FOG LIGHTS

Component Location Index

(Refer to Section 201 for photographs.)

Component	Photo No.
Dash Fuse Box	Behind left dash side trim panel 55
Diode Box 4	In dash fuse box 55
Fog Light Relay	In fuse/relay box 35
Fuse/Relay Box	Right side of engine compartment, on inner fender panel 41
Lighting Relay	In fuse/relay box 35
Connector	
B-12 (16-WHT)	Below I/P, right of steering column 58
C-24 (2-GRY)	Behind left fog light 4
C-29 (2-GRY)	Behind right fog light 4
H-9 (20-BLK)	Below I/P, above left dash side trim panel, on bracket 70
H-12 (20-WHT)	Below I/P, above right dash side trim panel, on bracket 100
H-13 (6-GRY)	Below I/P, above right dash side trim panel, on bracket 100
H-15 (14-WHT)	Below I/P, above right dash side trim panel, on bracket 115
H-16 (22-WHT)	Behind right dash side trim panel 120
H-41 (16-BLK)	Right front of engine compartment 31
H-42 (16-BLU)	Right front of engine compartment 31
I-10 (22-GRN)	On right top of meter assembly 53
Ground	
B-19	Behind top of left dash side trim panel 71
C-16	Left rear corner of engine compartment, on inner fender panel 39

Circuit Operation

Lo Beam Operation

With the lighting switch in HEAD and the dimmer/passing switch in LO, the lighting switch provides a ground path to the lighting relay, and the dimmer/passing switch provides a ground path for the lo beam filaments. The lighting relay energizes and provides battery voltage to the headlights and the lo beams light up.

Hi Beam Operation

With the lighting switch in HEAD and the dimmer/passing switch in HI, the lighting switch provides a ground to the lighting relay and the dimmer/passing switch provides a ground path for the high beam filaments. The lighting relay energizes and provides battery voltage to the headlights and the hi beams light up.

Battery voltage is also applied to the hi beam indicator and the hi beam indicator lights up to remind the driver that the hi beams are on.

Flash To Pass Operation

The flash to pass feature works with the lighting switch in OFF, PARK, or HEAD (lo beams). When the passing switch is turned on, it provides a ground path for both the hi and lo beam filaments and the lighting relay. The lighting relay energizes and applies battery voltage to the headlights and to the hi beam indicator light and the hi and lo beams light up. The hi beam indicator also flashes during the flash to pass operation. The flash to pass function has no effect if the hi beams are already on.

Fog Light Operation

With the lighting switch in HEAD and the dimmer/passing switch in LO, the lighting switch provides a ground path to the lighting relay which provides power through fuse F-8 to the fog light relay. A ground path is provided for the fog light relay through the fog light switch and the dimmer/passing switch. When the relay is energized, power is provided to both fog lights and the fog lights light. When the fog light switch is turned off or when the dimmer/passing switch is moved to HI, ground is removed from the fog light relay and the fog lights go out.