

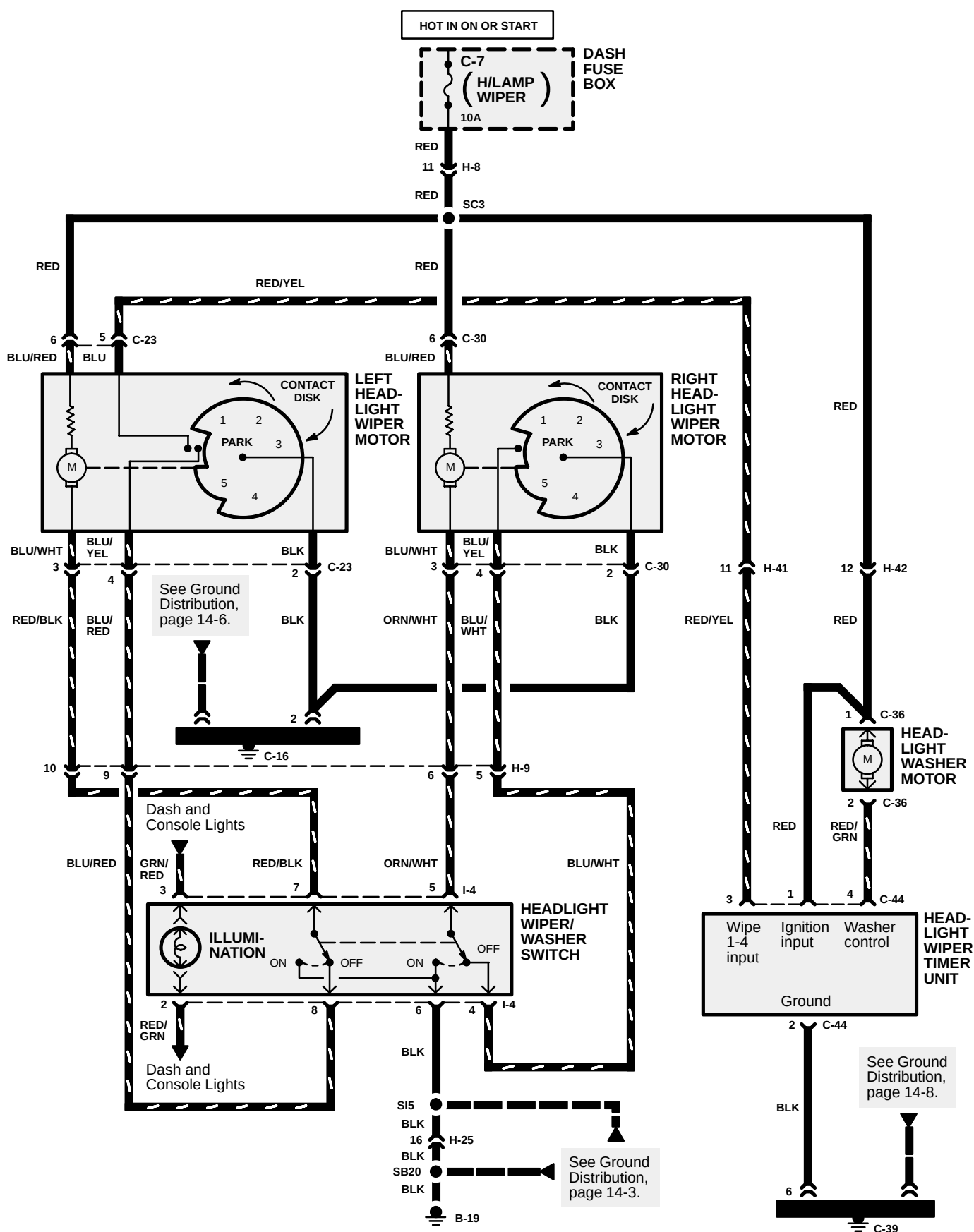
HEADLIGHT WIPER/WASHER

Component Index

- [Dash Fuse Box](#)
- [Headlight Washer Motor](#)
- [Headlight Wiper Timer Unit](#)
- [Left Headlight Wiper Motor](#)
- [Right Headlight Wiper Motor](#)

HEADLIGHT WIPER/WASHER

Circuit Schematic



HEADLIGHT WIPER/WASHER

Component Location Index

(Refer to Section 201 for photographs.)

<u>Component</u>	<u>Photo No.</u>
Dash Fuse Box	Behind left dash side trim panel 51
Headlight Washer Motor	Right front corner of engine compartment, in washer fluid reservoir 122
Headlight Wiper Timer Unit	Right of the glove box 70
Left Headlight Wiper Motor	Behind left headlight assembly 120
Right Headlight Wiper Motor	Behind right headlight assembly 123

Connector

C-23 (6-GRY)	Behind left side of front bumper 120
C-30 (6-GRY)	Behind right side of front bumper 120
H-8 (16-BLK)	Below I/P, above left dash side trim panel, on bracket 53
H-9 (20-BLK)	Below I/P, above left dash side trim panel, on bracket 53
H-25 (22-BLU)	Below I/P, above left dash side trim panel, on bracket 54
H-41 (16-BLU)	Right front of engine compartment 31
H-42 (16-BLK)	Right front of engine compartment 31

Ground

B-19	Behind top of left dash side trim panel 54
C-16	Left rear corner of engine compartment, on inner fender panel 28
C-39	Right rear corner of engine compartment, on inner fender panel 40

Circuit Operation

The headlight wiper motors wipe five times while the headlight washer motor applies fluid between the first four wipes. With the starter switch in ON or START, battery voltage is applied to the headlight wiper timer unit, the headlight washer motor, and the left and right headlight wiper motors. The headlight wiper switch is a momentary switch, and when it is pushed to the ON position, it provides ground to the left and right headlight wiper motors. The wipers begin to wipe and the contact disk is moved from the PARK position. When the headlight wiper switch is released, it is now in the OFF position. Ground is provided for the left and right headlight wiper motors through the contact disks and the OFF contacts of the headlight wiper switch. As the wipers continue to wipe, a ground signal is sent to the headlight wiper timer unit for the first four wipes. This signals the headlight wiper timer unit to control the headlight washer motor to pump fluid onto the headlights between the first four wipes of the headlight wipers. When the contact disk reaches the 5 position, the ground signal is removed from the headlight wiper timer unit. No fluid is pumped onto the headlights between the fourth and fifth wipes. When the contact disk reaches the PARK position, ground is removed from the circuit and the wipers stop.