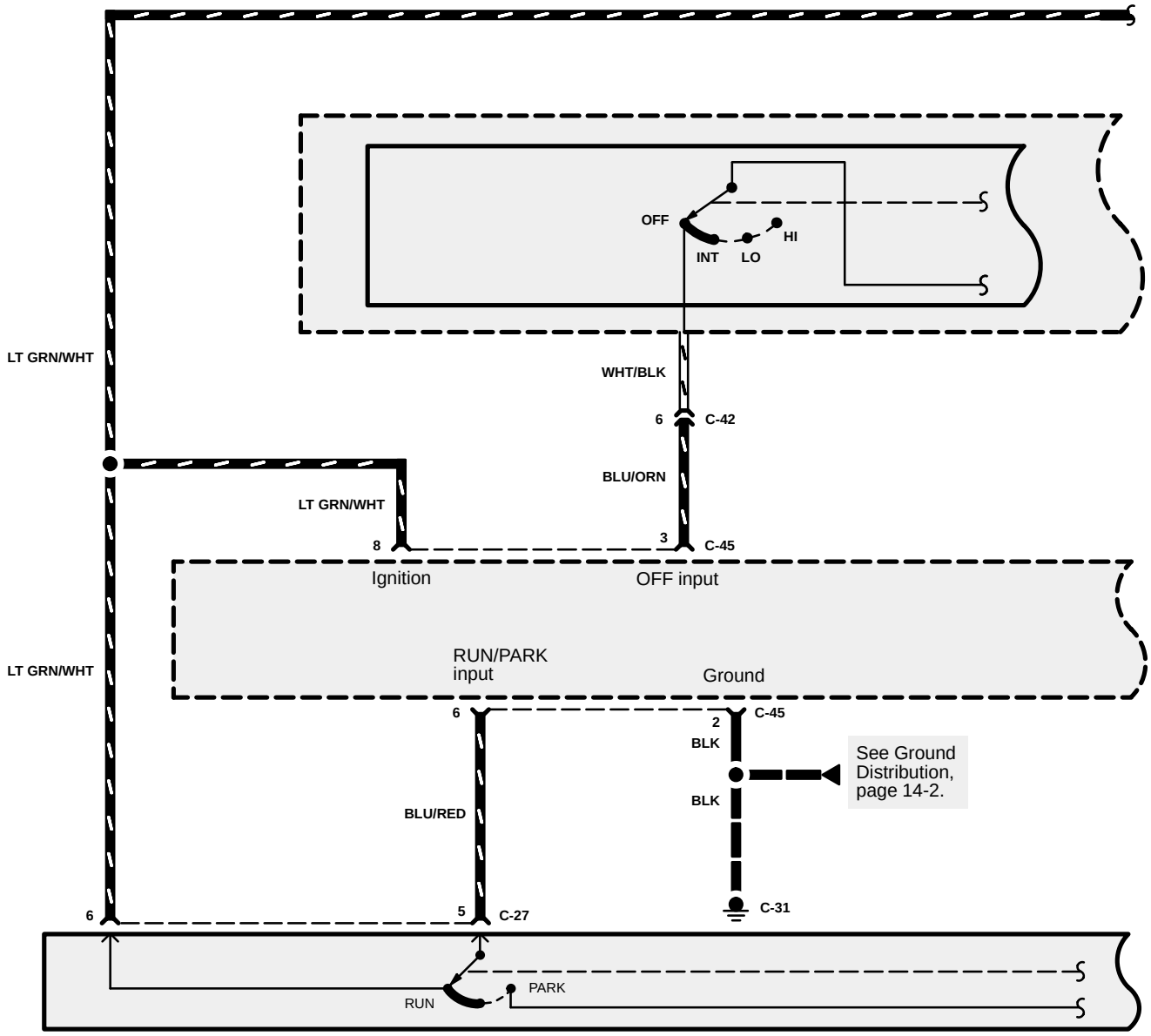
WINDSHIELD WIPER/WASHER

Component Index

Dash Fuse Box
Windshield Washer Motor
Windshield Wiper Intermittent Relay
Windshield Wiper Motor

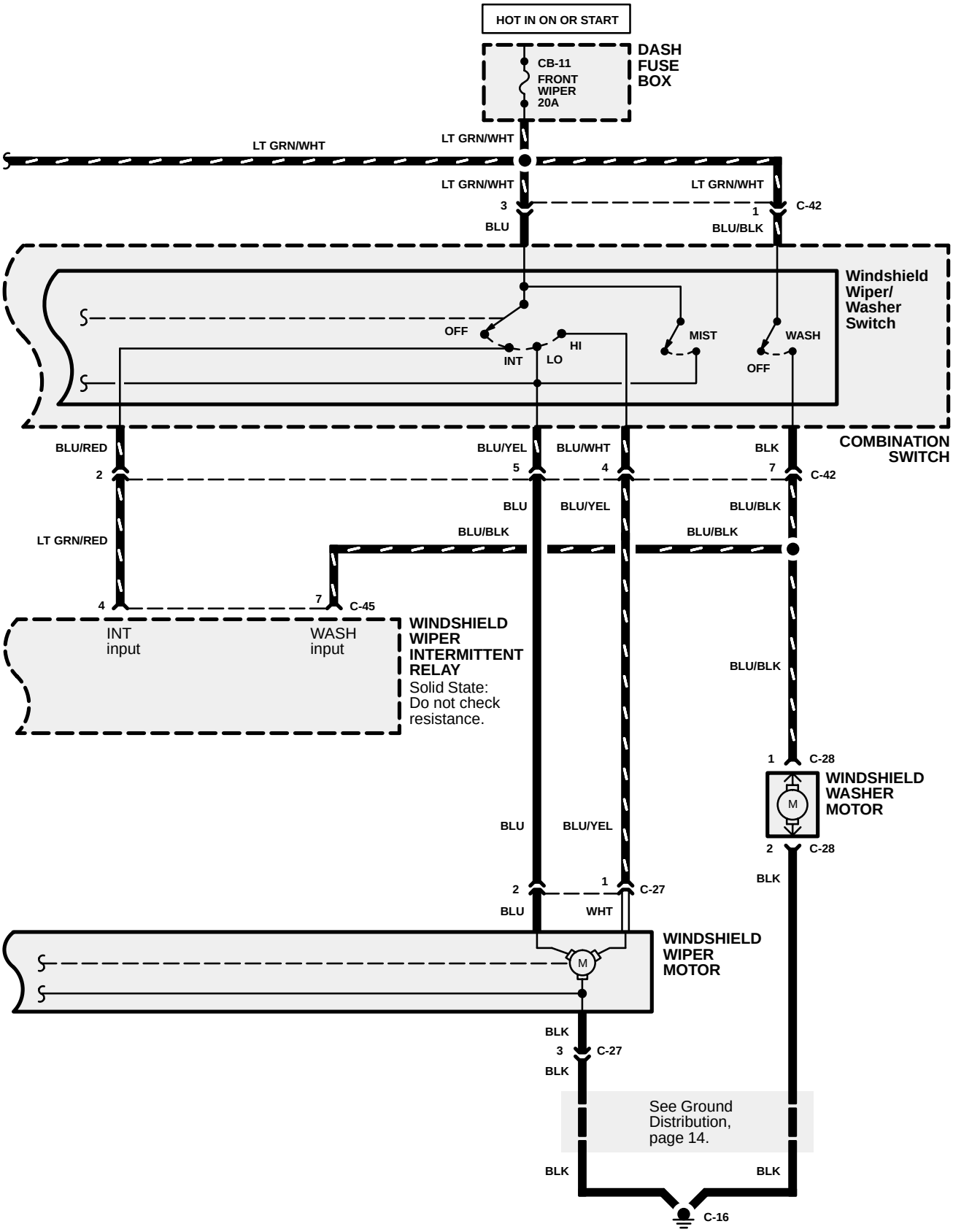
WINDSHIELD WIPER/WASHER

Circuit Schematic



WINDSHIELD WIPER/WASHER

Circuit Schematic



WINDSHIELD WIPER/WASHER

Component Location Index

(Refer to Section 201 for photographs.)

Component		Photo No.
Dash Fuse Box	Behind left I/P side trim panel	36
Windshield Washer Motor	Right front corner of engine compartment, in washer fluid reservoir	17
Windshield Wiper Intermittent Relay	Behind right kick panel	56
Windshield Wiper Motor	Right rear corner of engine compartment	24
Connector		
C-27 (6-CLR)	On windshield wiper motor	24
C-42 (14-BLK)	Behind lower left I/P, right of steering column	47
Ground		
C-16	Left rear of engine compartment, on inner fender panel	16
C-31	Behind right kick panel	57

Circuit Operation

With the starter switch in ON, battery voltage is applied through the FRONT WIPER & WASHER fuse CB-11 to the windshield wiper/washer switch, the windshield wiper motor, and the alarm and relay control unit.

Low Speed

When the windshield wiper switch is moved to LO, battery voltage is applied to the LO winding of the windshield wiper motor and the windshield wipers run at low speed.

Park/Run

When the windshield wiper switch is turned to OFF, the FRONT WIPER & WASHER fuse CB-11 provides battery voltage through the windshield wiper motor, alarm and relay control unit, and the windshield wiper switch to the LO winding of the windshield wiper motor. When the switch on the motor reaches the PARK position, battery voltage from the FRONT WIPER & WASHER fuse CB-11 is removed from the circuit and the windshield wipers stop in the PARK position.

High Speed

When the windshield wiper switch is in HI, battery voltage is applied to the HI winding of the windshield wiper motor and the windshield wipers run at high speed.

Intermittent

When the windshield wiper switch is moved to INT, the windshield switch applies battery voltage to the windshield wiper intermittent relay. The windshield wiper intermittent relay momentarily energizes and applies battery voltage to the LO winding of the windshield wiper motor to move the windshield wipers from the PARK position to the RUN position. Then, the PARK/RUN function takes over to return the windshield wipers to the PARK position. The windshield wipers make a single sweep approximately every 3 to 4 seconds.

Mist

When the windshield wiper switch is moved to MIST, battery voltage is applied to the LO winding of the windshield wiper motor. The windshield wipers run once to remove mist from the windshield.

Washer

When the windshield washer switch is moved to WASH, battery voltage is applied to the windshield washer motor and the alarm and windshield wiper intermittent relay. The windshield washer motor pumps fluid on the windshield, and the windshield wiper intermittent relay energizes and applies battery voltage to the LO winding of the windshield wiper motor through the windshield wiper switch. The wipers run at LO speed for three to four sweeps after the switch is released.