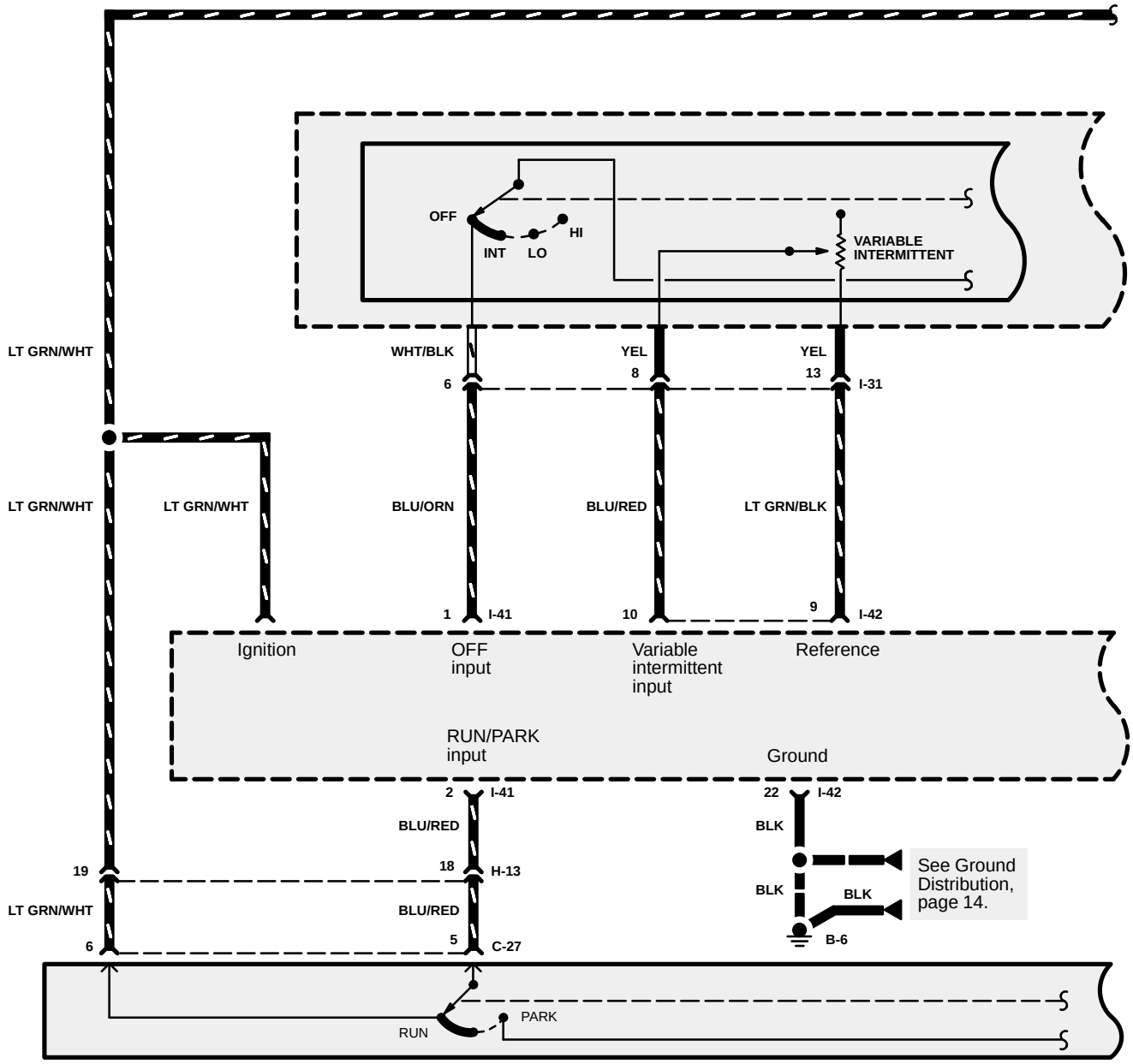
WINDSHIELD WIPER/WASHER: VARIABLE INTERMITTENT

Component Index

Alarm and Relay Control Unit
Dash Fuse Box
Windshield Washer Motor
Windshield Wiper Motor

WINDSHIELD WIPER/WASHER: VARIABLE INTERMITTENT

Circuit Schematic



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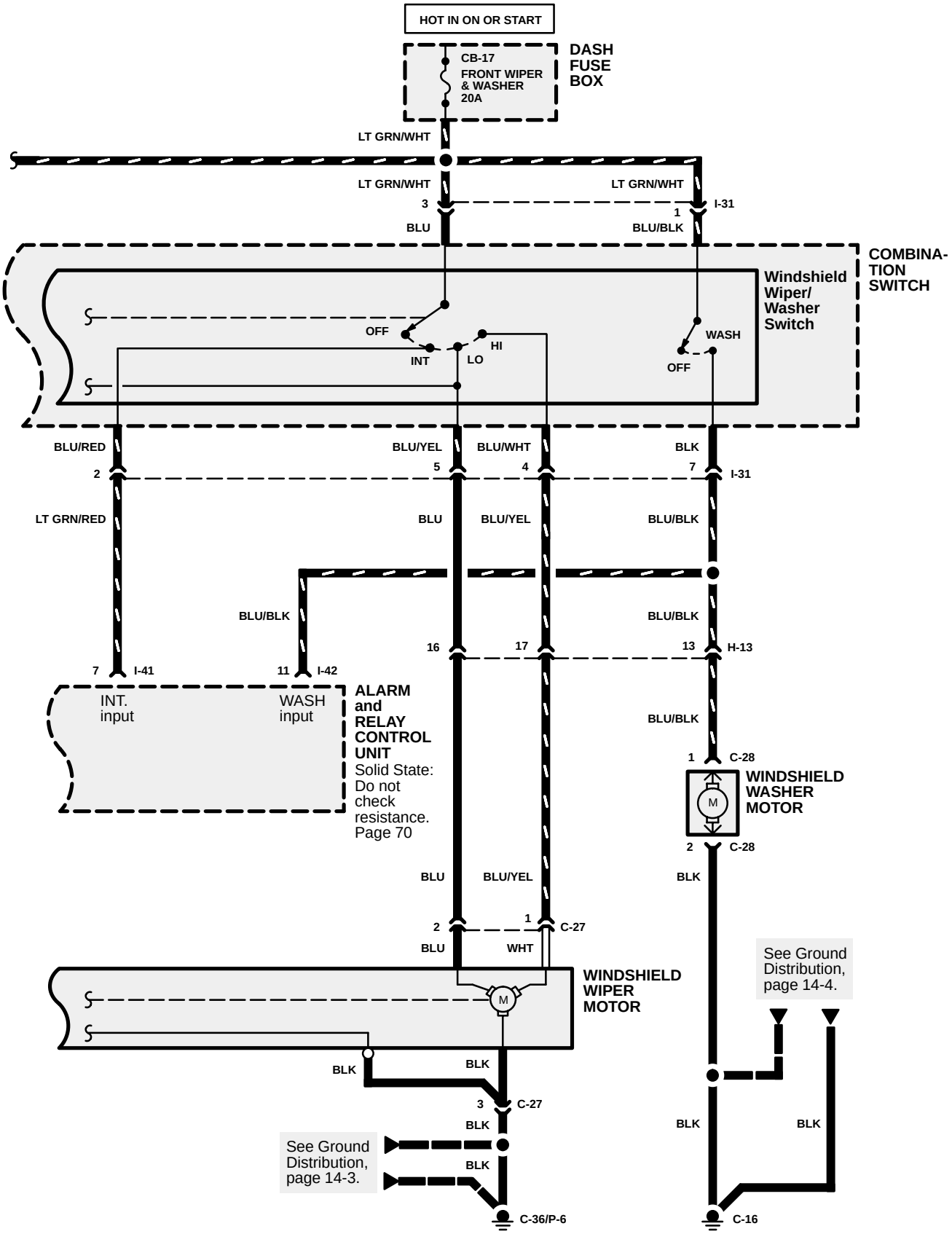
Circuit Schematic



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Component Location Index

(Refer to Section 201 for photographs.)

Component		Photo No.
Alarm and Relay Control Unit	Behind right side of I/P, above kick panel	78
Dash Fuse Box	Left side of I/P, behind panel	58
Windshield Washer Motor	Right front corner of engine compartment, in washer fluid reservoir	25
Windshield Wiper Motor	Right rear corner of engine compartment, on bulkhead	9
Connector		
C-27 (6-WHT)	Right rear corner of engine compartment, on wiper motor assembly	9
H-13 (19-WHT)	Below right side of I/P, behind kick panel	82
I-31 (13-WHT)	Behind left side of I/P, on connector bracket	67
Ground		
B-8	Below center console	81
C-16	Left rear corner of engine compartment, on inner fender panel	43
C-36	Right side of engine compartment, behind battery	13
P-6	Right side of engine compartment, behind battery	13

Circuit Operation

With the starter switch in ON or START, battery voltage is applied through the CB-17 FRONT WIPER & WASHER fuse to the windshield wiper/washer switch, windshield wiper motor, and 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 CB-17 fuse 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 CB-17 FRONT WIPER & WASHER fuse 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 alarm and relay control unit. The alarm and relay control unit 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 as determined by the alarm and relay control unit. The alarm and relay control unit determines the amount of delay by sensing a voltage drop across the variable intermittent input.

Washer

When the windshield washer switch is moved to WASH, battery voltage is applied to the windshield washer motor and the alarm and relay control unit. The windshield washer motor pumps fluid on the windshield, and the alarm and relay control unit 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.