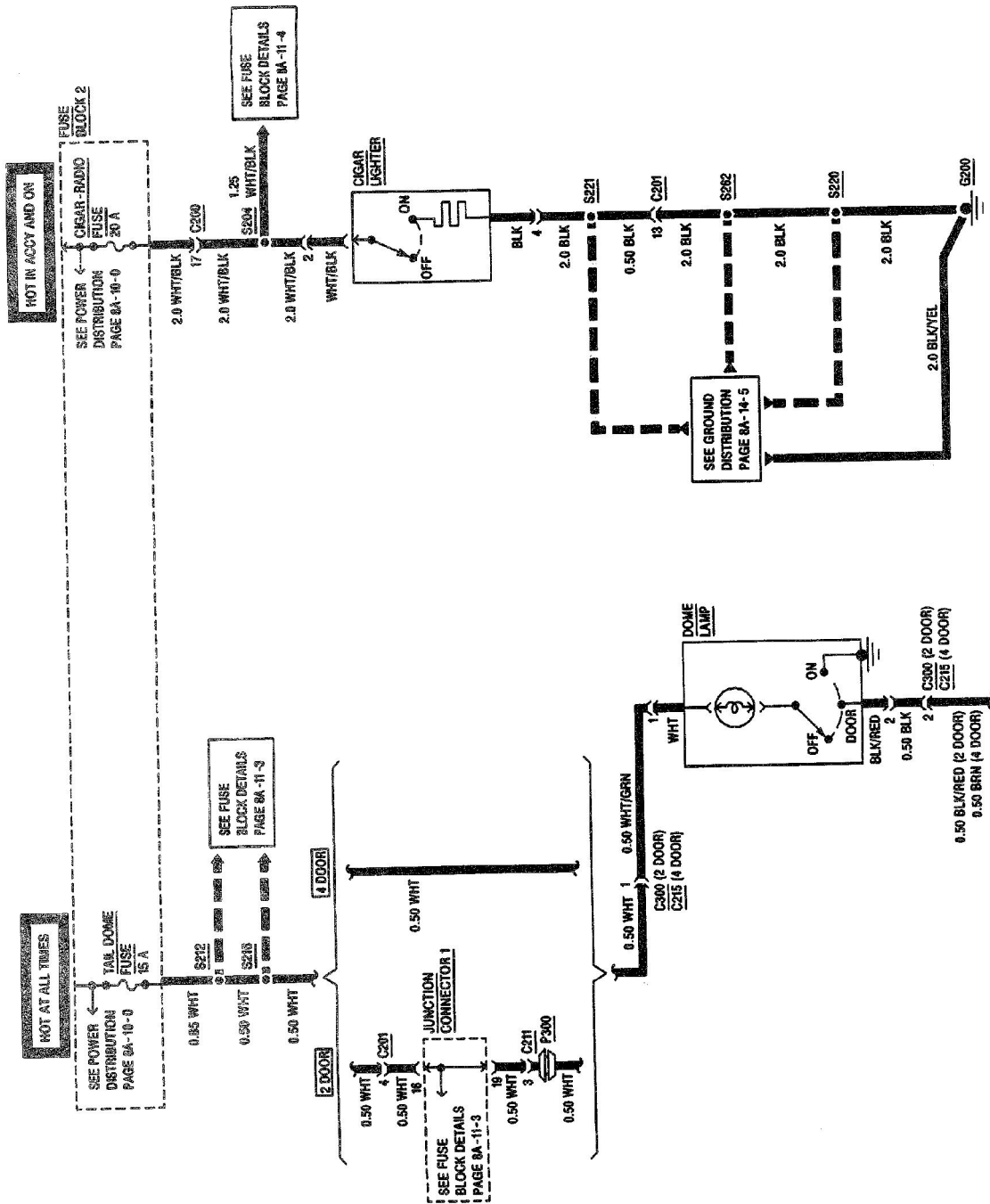
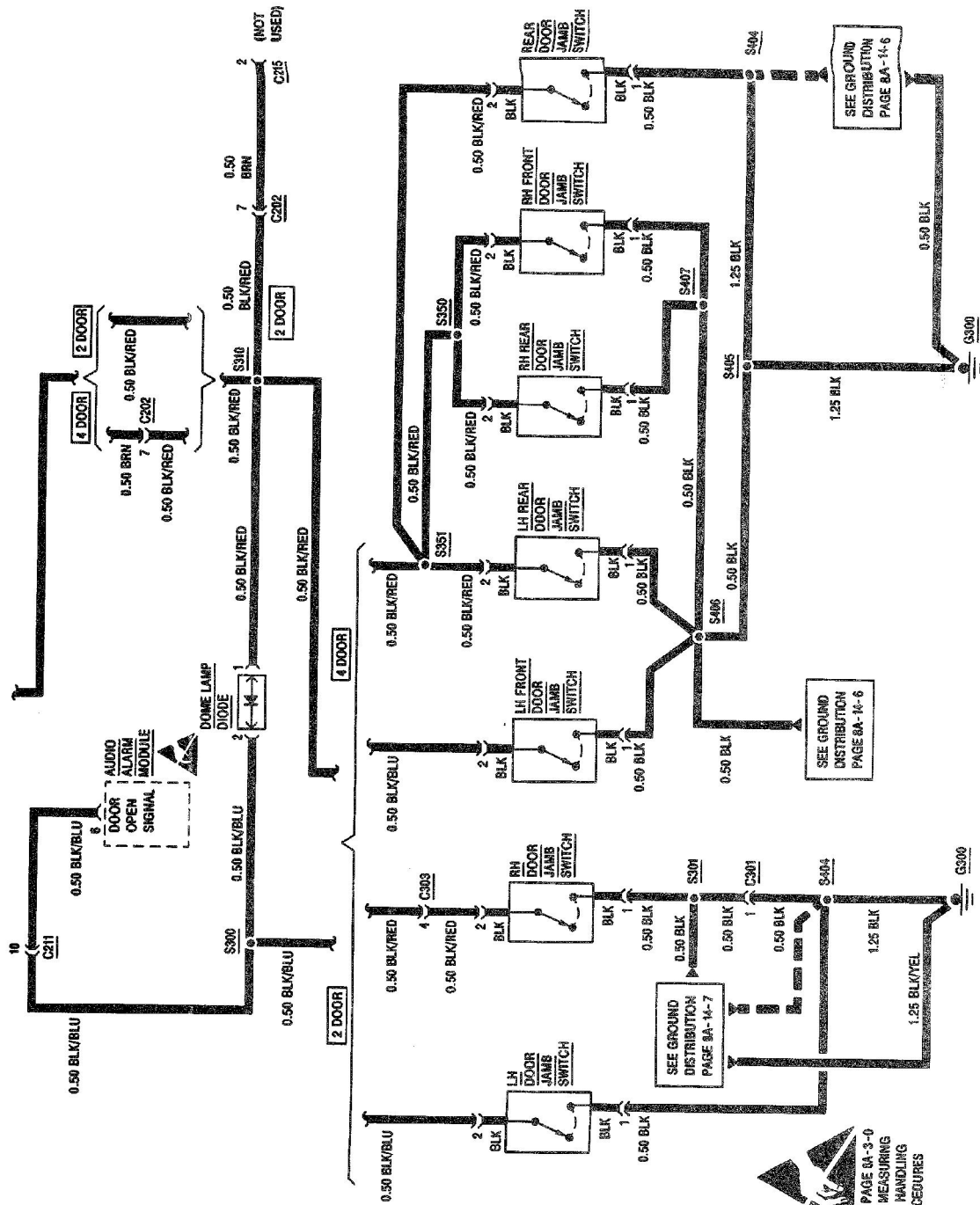


INTERIOR LIGHTS



EJT0038114



EJT0048114

8A - 114 - 2 ELECTRICAL DIAGNOSIS

INTERIOR LIGHTS

| COMPONENT | LOCATION | 201-PG | FIG. | CONN |
|--|---|----------|--------|----------|
| Audio Alarm Module..... | Behind RH I/P near RH Front Speaker | | | 76-02 |
| Cigar Lighter | Center of I/P, below Radio | | | |
| Dome Lamp Diode | Taped to Floor Harness, near C407 | | | |
| | (2-Door)..... | 08 | A | |
| | (4-Door)..... | 09 | A | |
| Junction Connector 1 (20 Cavities)..... | I/P Harness, Center of I/P, left of Radio | | | |
| LH Door Jamb Switch (2-Door)..... | Lower LH "B" Pillar | 08 | A | |
| LH Front Door Jamb Switch (4-Door)..... | Lower LH "B" Pillar | 09 | A | |
| LH Rear Door Jamb Switch (4-Door)..... | LH "C" Pillar, above wheelhousing | | | |
| Rear Door Jamb Switch | LH Bottom of Rear Door Jamb | | | |
| RH Door Jamb Switch (2-Door)..... | Lower RH "B" Pillar | | | |
| RH Front Door Jamb Switch (4-Door)..... | Lower RH "B" Pillar | | | |
| RH Rear Door Jamb Switch (4-Door)..... | RH "C" Pillar, above Wheelhousing | | | |
| C200 (22 Cavities)..... | Main Harness to I/P Harness, LH I/P near Fuse Block 2..... | 06 | A..... | 202-06A1 |
| C201 (16 Cavities)..... | Main Harness to I/P Harness, LH I/P near Fuse Block 2..... | 06 | A..... | 202-07A1 |
| C202 (22 Cavities)..... | Main Harness to Floor Harness, LH I/P near G200..... | 06 | A..... | 202-08A1 |
| C211 (16 Cavities)..... | I/P Harness to Floor Harness, LH I/P, near "A" Pillar..... | 07 | A..... | 202-09A1 |
| C215 (2 Cavities) (4-Door) | Main Harness to Dome Lamp Harness, RH I/P, near "A" Pillar | | | |
| C300 (2 Cavities) (2-Door) | Floor Harness to Dome Lamp Harness, behind LH Rear Passenger Compartment Trim Panel..... | 08 | A | |
| C301 (6 Cavities) (2-Door) | Floor Harness to Sub-Floor Harness, behind LH Rear Passenger Compartment Trim Panel..... | | | 202-15B3 |
| C303 (4 Cavities) (2-Door) | Floor Harness to Sub-Floor Harness, behind LH Rear Passenger Compartment Trim Panel..... | 08 | A..... | 202-15A1 |
| G200..... | Behind LH I/P, above Fuse Block 2 | 06 | A | |
| G300..... | LH Rear Passenger Compartment, behind Trim Panel | | | |
| | (4-Door)..... | 12 | A | |
| | (2-Door)..... | 08 | A | |
| P300 (2-Door) | LH "A" Pillar, under I/P, behind LH Kick Panel..... | 08 | A | |
| S204 | I/P Harness, behind center of I/P near Radio | | | |
| S212 | Main Harness, left of Steering Column | | | |
| S216 | Main Harness, left of Steering Column | | | |
| S220 | Main Harness, near I/P left of Steering Column | | | |

| COMPONENT | LOCATION | 201-PG FIG. CONN |
|------------|--|------------------|
| S221 | I/P Harness near, C201 breakout | |
| S262 | Main Harness, left of Steering Column | |
| S300 | Floor Harness, near LH Door Jamb Switch connector breakout | |
| S310 | In Floor Harness, near Dome Lamp Diode breakout | |
| S350 | In Floor Harness, near RH Rear Door Jamb Switch breakout | |
| S351 | In Floor Harness, near G300 breakout | |
| S404 | Floor Harness 1, near LH Rear Combination Lamp | |
| S405 | Rear Door Harness, near License Plate Lamps | |
| S406 | Rear Door Harness, near LH Rear Door Jamb Switch breakout | |
| S407 | Rear Door Harness, near License Plate Lamps | |

TROUBLESHOOTING HINTS

1. Check the TAIL DOME Fuse with fuse tester.
2. Check the CIGAR RADIO Fuse with a fuse tester.
3. Check that G300 is clean and tight.
4. Check for open or shorted filament in DOME LAMP bulb.

SYSTEM DIAGNOSIS

| TEST | RESULT | ACTION |
|--|--|---|
| 1. Move DOME LAMP SWITCH to the ON position. | DOME LAMP lights. | GO to step 2. |
| | DOME LAMP does not light. | GO to step 6. |
| 2. Move DOME LAMP SWITCH to the OFF position. | DOME LAMP goes out. | GO to step 3. |
| | DOME LAMP remains lit. | Replace DOME LAMP. |
| 3. Move DOME LAMP SWITCH to the DOOR position. Open and close each Door one at a time (including Rear Door on 4-Door Model). | DOME LAMP lights when each Door is opened and goes out when each Door is closed. | GO to step 4. |
| | DOME LAMP does not light with any Door open. | Check for an open in BLK or BLK/RED wire (2-Door) or in BLK, BRN or BLK/RED wire (4-Door) between DOME LAMP and S310. If OK, replace DOME LAMP. |
| | DOME LAMP does not light with LH Front Door open. | GO to step 8. |
| | DOME LAMP does not light with RH Front Door open. | GO to step 10. |
| | DOME LAMP remains lit with all Door's closed. | GO to step 11. |
| | DOME LAMP lights with Rear Door open, but does not light with any other Door open (4-Door only). | Repair open in BLK wire between S406 and S405. |
| | DOME LAMP lights with LH Front Door open, but does not light with any other door open (4-Door only). | Repair open in BLK/RED wire between S310 and S351. |
| | | |

8A - 114 - 4 ELECTRICAL DIAGNOSIS

INTERIOR LIGHTS

| TEST | RESULT | ACTION |
|--|---|---|
| | DOME LAMP does not light with RH Rear Door or RH Front Door open (4-Door only). | Repair open in BLK/RED wire between S350 and S351 or in BLK wire between S406 and S407. |
| | DOME LAMP does not light with RH Rear Door open (4-Door only). | GO to step 19. |
| | DOME LAMP does not light with Rear Door open (4-Door only). | GO to step 20. |
| | DOME LAMP does not light with LH Rear Door open (4-Door only). | GO to step 21. |
| 4. Turn DOME LAMP SWITCH to the OFF position. Open and close each Door one at a time. | DOME LAMP remains OFF. | GO to step 5. |
| | DOME LAMP lights while Door(s) are open. | Replace DOME LAMP. |
| 5. Turn Ignition Switch to "ON" or "ACC". Depress CIGAR LIGHTER. | CIGAR LIGHTER pops up and heating element is red hot. | All systems diagnosed in this Section are functioning normally. |
| | CIGAR LIGHTER does not operate. | GO to step 22. |
| 6. Backprobe DOME LAMP Connector with a test lamp from cavity 1 to ground. | Test lamp lights. | Replace DOME LAMP. |
| | Test lamp does not light. | Repair open in WHT or WHT/GRN wire between Fuse Block 2 and DOME LAMP (4-Door). GO to step 7 (2-Door). |
| 7. Backprobe Junction Connector 1 with a test lamp from cavity 16 to ground. | Test lamp lights. | Check for an open in WHT or WHT/GRN wire between Junction Connector 1 and DOME LAMP. If OK, replace Junction Connector 1. |
| | Test lamp does not light. | Repair open in WHT wire between Fuse Block 2 and Junction Connector 1. |
| 8. Open LH Front Door. Backprobe DOME LAMP DIODE Connector with a digital multimeter from cavity 2 to B+. Measure voltage. | Measured voltage is more than 10.0 volts. | Check for an open in BLK/RED wire between S310 and DOME LAMP DIODE. If OK, replace DOME LAMP DIODE. |
| | Measured voltage is less than 10.0 volts. | GO to step 9. |
| 9. Backprobe LH Front DOOR JAMB SWITCH Connector with a test lamp from cavity 1 to B+. | Test lamp lights. | Check for an open in BLK/BLU wire between S300 and LH Front DOOR JAMB SWITCH. If OK, replace LH Front DOOR JAMB SWITCH. |
| | Test lamp does not light. | Repair open in BLK wire between LH Front DOOR JAMB SWITCH and S404 (2-Door) or S406 (4-Door). |
| 10. Open RH Front Door. Backprobe RH Front DOOR JAMB SWITCH Connector with a test lamp from cavity 1 to B+. | Test lamp lights. | Check for an open in BLK/RED wire between S310 (2-Door) or S350 (4-Door) and RH Front DOOR JAMB SWITCH. If OK, replace RH Front DOOR JAMB SWITCH. |
| | Test lamp does not light. | Repair open in BLK wire between RH Front DOOR JAMB SWITCH and S404 (2-Door) or S407 (4-Door). |
| 11. Disconnect DOME LAMP Connector. Connect a test lamp from DOME LAMP Connector cavity 2 to B+. | Test lamp lights. | GO to step 12. |
| | Test lamp does not light. | Replace DOME LAMP. |

| TEST | RESULT | ACTION |
|--|---------------------------|--|
| 12. Reconnect DOME LAMP Connector. Disconnect DOME LAMP DIODE Connector. | DOME LAMP is not lit. | GO to step 13. |
| | DOME LAMP remains lit. | GO to step 15. |
| 13. Reconnect DOME LAMP DIODE Connector. Disconnect AUDIO ALARM MODULE Connector. | DOME LAMP is not lit. | Replace AUDIO ALARM MODULE. |
| | DOME LAMP remains lit. | GO to step 14. |
| 14. Disconnect LH Front DOOR JAMB SWITCH Connector. | DOME LAMP is not lit. | Replace LH Front DOOR JAMB SWITCH. |
| | DOME LAMP remains lit. | Repair short to ground in BLK/BLU wire between LH Front DOOR JAMB SWITCH, AUDIO ALARM MODULE and DOME LAMP DIODE. |
| 15. Disconnect RH Front DOOR JAMB SWITCH Connector. | DOME LAMP is not lit. | Replace RH Front DOOR JAMB SWITCH. |
| | DOME LAMP remains lit. | Repair short to ground in BLK/RED or BLK wire between DOME LAMP and RH Front DOOR JAMB SWITCH (2-Door). GO to step 16 (4-Door). |
| 16. Disconnect LH Rear DOOR JAMB SWITCH Connector. | DOME LAMP is not lit. | Replace LH Rear DOOR JAMB SWITCH. |
| | DOME LAMP remains lit. | GO to step 17. |
| 17. Disconnect RH Rear DOOR JAMB SWITCH Connector. | DOME LAMP is not lit. | Replace RH Rear DOOR JAMB SWITCH Connector. |
| | DOME LAMP remains lit. | GO to step 18. |
| 18. Disconnect Rear DOOR JAMB SWITCH Connector. | DOME LAMP is not lit. | Replace Rear DOOR JAMB SWITCH. |
| | DOME LAMP remains lit. | Repair short to ground in BLK, BRN or BLK/RED wire between DOME LAMP, DOME LAMP DIODE, LH and RH Rear DOOR JAMB SWITCHES, RH Front DOOR JAMB SWITCH and the Rear DOOR JAMB SWITCH. |
| 19. Backprobe RH Rear DOOR JAMB SWITCH Connector with a test lamp from cavity 1 to B+. | Test lamp lights. | Check for an open in BLK/RED wire between RH Rear DOOR JAMB SWITCH and S350. If OK, replace RH Rear DOOR JAMB SWITCH. |
| | Test lamp does not light. | Repair open in BLK wire between S407 and RH Rear DOOR JAMB SWITCH. |
| 20. Backprobe Rear DOOR JAMB SWITCH Connector with a test lamp from cavity 1 to B+. | Test lamp lights. | Check for an open in BLK/RED wire between Rear DOOR JAMB SWITCH and S351. If OK, replace Rear DOOR JAMB SWITCH. |
| | Test lamp does not light. | Repair open in BLK wire between S405 and Rear DOOR JAMB SWITCH. |
| 21. Backprobe LH Rear DOOR JAMB SWITCH Connector with a test lamp from cavity 1 to B+. | Test lamp lights. | Check for an open in BLK/RED wire between LH Rear DOOR JAMB SWITCH and S351. If OK, replace LH Rear DOOR JAMB SWITCH. |
| | Test lamp does not light. | Repair open in BLK wire between LH Rear DOOR JAMB SWITCH and S406. |

8A - 114 - 6 ELECTRICAL DIAGNOSIS

INTERIOR LIGHTS

| TEST | RESULT | ACTION |
|---|---------------------------|---|
| 22. Backprobe CIGAR LIGHTER Connector with a test lamp from cavity 4 to B+. | Test lamp lights. | Check for an open in WHT/BLK wire between Fuse Block 2 and CIGAR LIGHTER. If OK, replace CIGAR LIGHTER. |
| | Test lamp does not light. | Repair open in BLK wire between CIGAR LIGHTER and G200. |

COMPONENT REPLACEMENT INFORMATION

For component replacement procedures, refer to the section listed below.

| | |
|--------------------------------|--------------|
| Audio Alarm Module | Section 8C |
| Cigar Lighter | Section 8C |
| Dome Lamp..... | Section 8B |
| Junction Connector 1..... | Section 8C |
| LH Front Door Jamb Switch..... | Section 10-5 |
| LH Rear Door Jamb Switch..... | Section 10-7 |
| Rear Door Jamb Switch..... | Section 10-8 |
| RH Front Door Jamb Switch..... | Section 10-5 |
| RH Rear Door Jamb Switch..... | Section 10-7 |

CIRCUIT OPERATION

DOME LAMP

Voltage is applied at all times through the TAIL DOME Fuse to the Dome Lamp. The Dome Lamp is grounded through any of the Door Jamb Switches. The Door Jamb Switches, when closed (with door open), complete a ground path for the Dome Lamp when the Dome Lamp Switch is in the DOOR position. With both power and ground supplied, the Dome Lamp will light. The Dome Lamp will remain lit until all the Doors are closed. The Dome Lamp can also be turned ON, while the Doors are closed, by turning the Dome Lamp Switch to the ON position. With the switch in this position, the ground path is completed through the Dome Lamp. The Dome Lamp circuit can be bypassed altogether, by turning the Dome Lamp Switch to the OFF position. By doing this, the Dome Lamp will not light when any door is opened.

CIGAR LIGHTER

With the Ignition Switch in the "ACC" or "ON" position, voltage is applied through the CIGAR RADIO Fuse to the Cigar Lighter. The Cigar Lighter is grounded through G200. With both power and ground supplied, when the Cigar Lighter is pressed in, the Cigar Lighter heating element will begin to heat up. When the heating element reaches a predetermined temperature value, the Cigar Lighter will pop out, thus interrupting the circuit.

BLANK