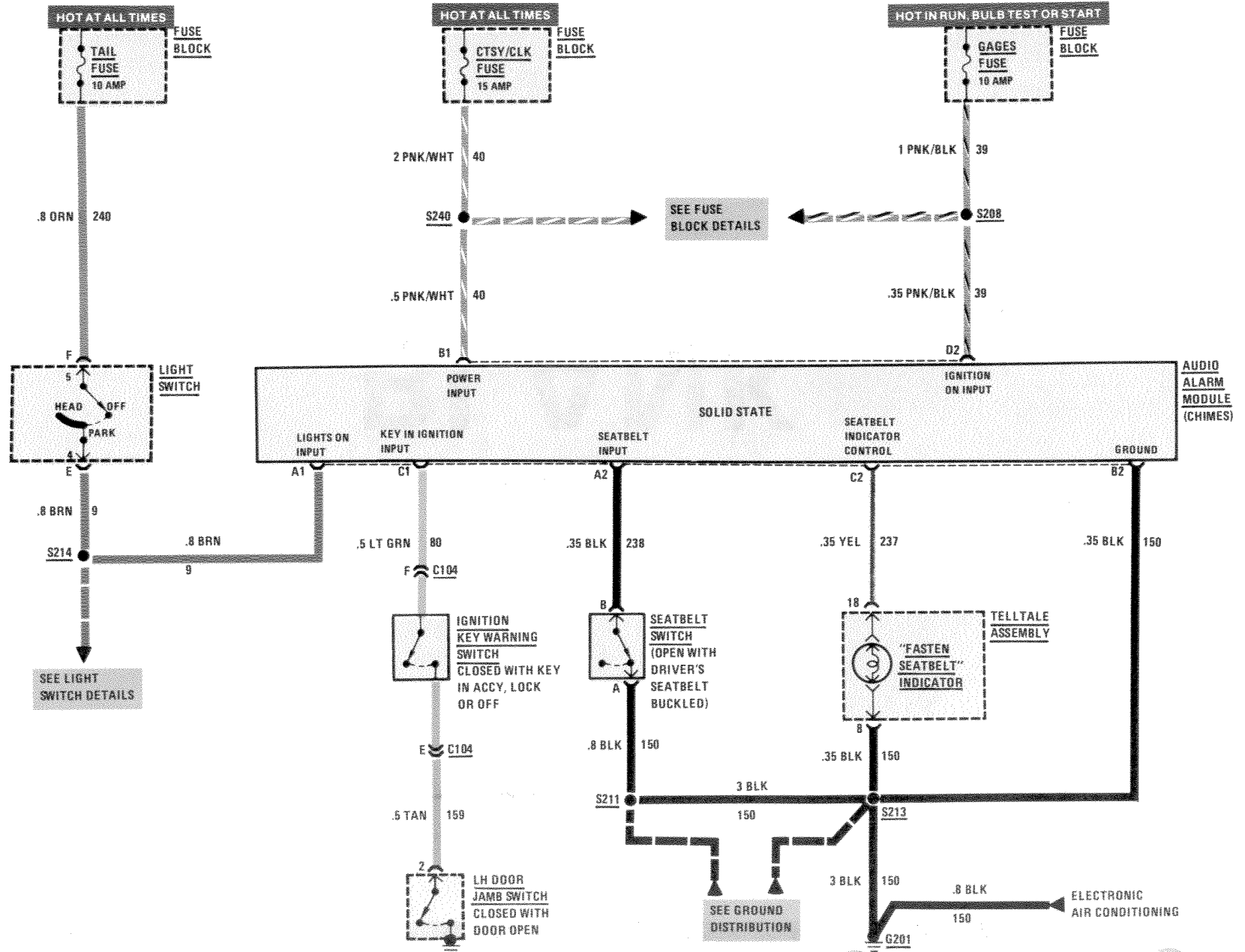


# WARNINGS AND ALARMS: CHIME

## KEY IN IGNITION/LIGHTS ON/SEATBELT



# WARNINGS AND ALARMS: CHIME KEY IGNITION/LIGHTS ON/SEATBELT

## SYSTEM CHECK

1. **Seatbelt Warning:** Sit in the driver's seat with the LH front door closed. Turn the Ignition Switch to RUN, and do not buckle the seatbelt.
  - A slow chime alarm sounds.
  - FASTEN SEATBELT Indicator lights in the Telltale Assembly.
  - Chime stops and indicator goes out after 4 to 8 seconds.
2. **Key Warning:** With the Ignition Switch OFF, but the key still in the ignition, open the LH front door.
  - Fast chime alarm sounds (faster than the seatbelt chime).
3. Remove the key from the Ignition Switch.
  - Alarm stops.
4. **Lights On Warning:** With the key removed from the ignition, turn the Light Switch to PARK.
  - Fast pulsed chime alarm sounds (faster than key chime).
5. Light Switch to OFF.
  - Alarm stops.

## TROUBLESHOOTING HINTS

1. Check the GAGES Fuse by operating the Header Map Light with the Ignition Switch in RUN.
2. Check the CTSY/CIG Fuse by operating the Glove Box Light.
3. Check that G201 is clean and tight.

## COMPONENT LOCATION

		Page-Figure
Audio Alarm Module .....	Center of I/P, in multi-use center .....	201- 7-A
Fuse Block .....	In RH end of I/P .....	201-10-A
Ignition Key Warning Switch .....	Top of steering column, below turn-hazard switch assembly	
Seatbelt Switch .....	Part of drivers LH seatbelt assembly .....	201- 9-A
C104 (11 cavities) .....	Behind I/P, top RH center of steering column. ...	201- 4-B
G201 .....	Behind I/P, near LH side of steering column	
S208 .....	I/P harness, behind multi-use center .....	201-10-A
S211 .....	I/P harness, right of steering column .....	201- 8-A
S213 .....	I/P harness, left of multi-use center .....	201-10-A
S214 .....	I/P harness, above steering column .....	201-10-A
S240 .....	I/P harness, left of multi-use center .....	201-10-A

## SYSTEM DIAGNOSIS

Remove the Audio Alarm Module connector. Test for Battery voltage with a test lamp to ground at the terminals in the following chart. Put the Ignition Switch in RUN and Light Switch in PARK.

- If the test lamp does not light, check the circuit and wiring supplying that terminal.
2. With the Audio Alarm Module still removed, test the circuits to ground at the following terminals using a test lamp connected to Battery voltage.

### TEST LAMP CONVENIENCE CENTER Light Switch in PARK

Terminal (Wire Color)	Test Lamp
B1 (PNK/WHT)	Lights
A1 (BRN)	Lights
D2 (PNK/BLK)	Lights

## WARNINGS AND ALARMS: CHIME

### KEY IGNITION/LIGHTS ON/SEATBELT

#### TEST LAMP TO 12 VOLTS AUDIO ALARM MODULE CONNECTOR

Terminal (Wire Colors)	Test Lamp	Conditions
C1 (LT GRN)	Lights	LH Front Door Open and Key in Ignition (ACCY, LOCK, or OFF)
	Off	LH Front Door Closed and Key in Ignition (ACCY, LOCK or OFF)
	Off	LH Front Door Open and Key out of Ignition or Key in Ignition (RUN, BULB TEST, or START)
A2 (BLK)	Lights	Seatbelt Unbuckled
	Off	Seatbelt Buckled
B2 (BLK)	Lights	All Times

- If any test is not correct, troubleshoot the circuit to that terminal.
  - If the test lamp lights, go to the next step.
3. With the module still removed, connect a fused jumper between terminal B1 and terminal C1 of the Audio Alarm Module Connector and observe the FASTEN SEATBELT Indicator.
- If the indicator does not light, check wiring to and from the Instrument Panel. If the wiring is good, the problem is in the cluster (See Page 82-0).

- If the indicator lights, replace the Audio Alarm Module.

### CIRCUIT OPERATION

This circuit needs voltage through the Light Switch, CTSY/CLK Fuse and the Gages Fuse to operate. Voltage is applied to the Light Switch at all times. When the Light Switch is in HEAD or PARK this voltage is applied to the Solid-state unit in the Audio Alarm Module. When the Ignition Switch is in RUN, BULB TEST, or START, voltage is applied through the Gages Fuse to the solid-state unit in the Audio Alarm Module. These two voltages are sensed by the solid-state unit and the alarm is not sounded.

When the Ignition Switch is turned to OFF, the Gages Fuse loses voltage and the solid-state unit senses the change. If voltage is still available from the Light Switch, the chime sounds. The chime can be turned off by turning the Light Switch knob to OFF. The Audio Alarm Module no longer senses the voltage from the Light Switch, so the alarm does not sound.

#### Ignition Key Reminder

Voltage is applied to the CTSY/CLK Fuse at all times. Whenever the key is in the Ignition Switch and in ACCY, LOCK, or OFF, and the driver's door is open, a ground path is provided for terminal 6 of the Audio Alarm Module.

#### Seatbelt Reminder

With the Ignition Switch in RUN, BULB TEST, or START, voltage is applied to the Audio Alarm Module timer and the solid-state

unit. Voltage is applied through the timer to the FASTEN SEATBELTS Indicator. Voltage is also applied through the timer to the solid-state unit. When the Seatbelt Switch is not buckled a ground path is provided for the solid-state unit. The indicator will light and the chime will sound for 4-8 seconds, which at that time the timer contacts open and remove voltage supplied to the indicator and solid-state unit. If the seatbelt is buckled, only the indicator will light.