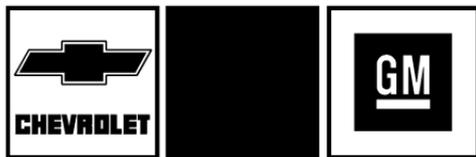


# 2008 Chevrolet Impala Police Package

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The information in this manual supplements the owner manual. This manual includes the latest information available at the time it was printed. We reserve the right to make changes in the product after that time without notice. Keep this manual with the owner manual in the vehicle, so it will be there if it is needed. If the vehicle is sold, leave this manual and the owner manual with the vehicle.

## Canadian Owners

A French language copy of this manual can be obtained from your dealer/retailer or from:

Helm, Incorporated  
P.O. Box 07130  
Detroit, MI 48207

See "Service Publications Ordering Information" in the Index for more information on contacting Helm, Incorporated.

## Propriétaires Canadiens

On peut obtenir un exemplaire de ce guide en français auprès de concessionnaire ou à l'adresse suivante:

Helm Incorporated  
P.O. Box 07130  
Detroit, MI 48207

Se reporter à « l'information d'ordre de publications de service » dans l'index pour plus d'information en contacter Helm, incorporée.

# Section 1 Seats and Restraint System

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<b>Airbag System</b> .....	1-2	Notices for Customer-Installed Equipment .....	1-5
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# Airbag System

## Questions and Answers About Airbags and Specialty Law Enforcement Vehicles

**Q:** Can equipment such as radar devices, video cameras, and radio trees be mounted in a specialty vehicle equipped with a right front passenger's frontal airbag?

**A:** Yes, but care must be taken to properly mount the equipment outside of the airbag "deployment zone."

**Q:** What is the airbag "deployment zone"?

**A:** The term "deployment zone" describes the space an airbag takes up when fully inflated. Airbags need room to work properly, and anything in the "deployment zone" — such as improperly mounted equipment — can greatly affect the performance of the airbag.

 **CAUTION:**

**Airbags inflate with great force, faster than the blink of an eye. No objects, such as shotguns, should be placed over or near the airbag covers. Equipment mounted too close to an inflating airbag could break and become a dangerous projectile in a crash, causing injury to the vehicle's occupants. Also, an object too close to an inflating airbag could prevent the airbag from operating properly. If this ever happens, the airbag would not be able to protect occupants the way it was designed to. To help prevent injury and to allow the airbag to perform as it was designed, do not mount equipment inside the airbag deployment zone.**

**Q: How can I identify the airbag “deployment zone” in my vehicle?**

**A:** See *Airbag Deployment Diagrams* on page 1-6 for more information. The diagrams provide the approximate dimensions of the “deployment zones” for your specialty vehicle. Before doing any service work, including the installation of any equipment, consult the appropriate service manual.

**Q: Is it possible to shield equipment so it does not interfere with airbag deployment?**

**A:** While shielding may protect certain equipment from being damaged or dislodged, it may also negatively affect how an airbag inflates. Therefore, we cannot recommend the placement of any equipment in the deployment zone, even when shielding.

**Q:** Can the installation of push bumpers on the front end of the vehicle affect the deployment of the airbag?

**A:** It is not likely that installing push bumpers will affect sensing for the airbag as long as the vehicle structure itself is not modified. GM is not aware of any adverse defects from the many push bumpers that have been installed on current model GM police vehicles with airbags.

**Q:** Is there anything I might add to the front or sides of the vehicle that could keep the airbags from working properly?

**A:** Yes. If you add things that change your vehicle's frame, bumper system, height, front end or side sheet metal, they may keep the airbag system from working properly. Also, the airbag system may not work properly if you relocate any of the airbag sensors. If you have any questions about this, you should contact Customer Assistance before you modify your vehicle. The phone numbers and addresses for Customer Assistance are in Step Two of the Customer Satisfaction Procedures in the owner's manual. See "Customer Satisfaction Procedure" in your owner's manual index.

## Notices for Customer-Installed Equipment

Read the following notices before installing equipment on your specialty vehicle.

**Notice:** GM-approved service procedures must be followed to remove and reinstall the instrument panel to the pad in order to ensure proper airbag deployment.

**Notice:** Equipment mounted to the instrument panel top pad must not exceed 8.0 lb (3.6 kg).

**Notice:** In order not to restrict upward movement of the driver's side instrument panel top pad when the airbag deploys, equipment should be securely mounted only to the top pad.

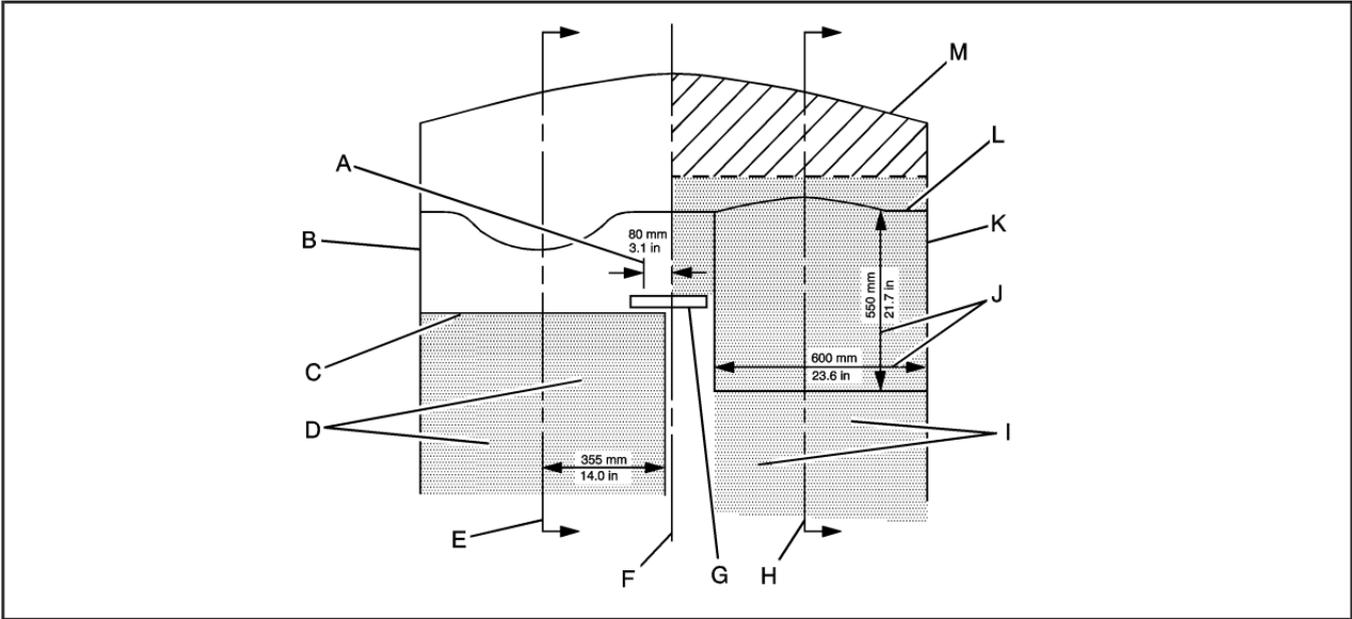
**Notice:** Do not place equipment on the passenger's side of the instrument panel top pad because the edge of it rises when the airbag deploys.

**Notice:** Passenger airbag contacts inside rearview mirror at the beginning of deployment. Video cameras and other small equipment should be securely mounted outside the airbag zone.

**Notice:** Your police vehicle may have optional roof-rail airbags. Do not mount a security barrier such that the ends of the barrier or brackets are within the roof-rail deployment zones.

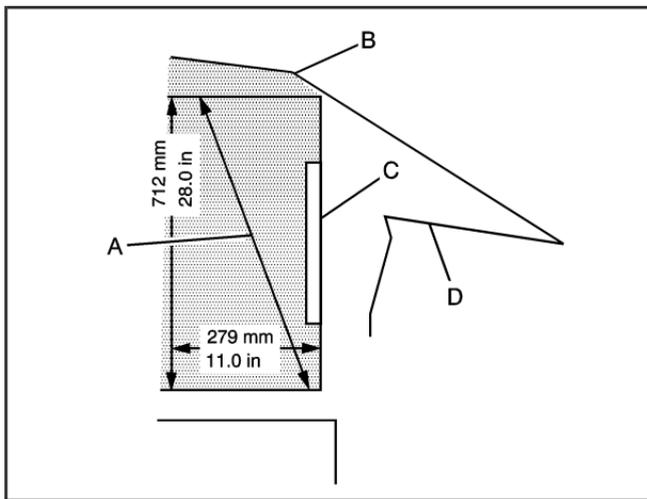
**Notice:** Avoid installing wiring for roof-rail emergency lighting or radio antennas that may restrict the proper deployment of the roof-rail airbags.

# Airbag Deployment Diagrams



**Top View of Instrument Panel and Approximate Deployment Area of the Airbag Zone**

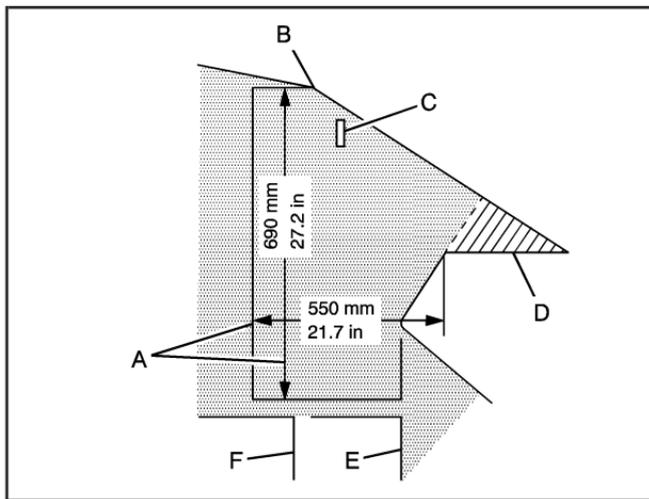
- A. Shift Selector Arc
  - B. Driver's Side Door
  - C. Front of Steering Wheel  
(In Maximum Downward Position)
  - D. Driver's Airbag Deployment Zone
  - E. Driver's Centerline (Also See Side View)
  - F. Vehicle Centerline
  - G. Inside Rearview Mirror
  - H. Passenger's Centerline (Also See Side View)
  - I. Passenger's Airbag Deployment Zone
  - J. Approximate Maximum Dimension of Inflated Airbag
  - K. Passenger's Side Door
  - L. Rear Edge of Instrument Panel Top Pad
  - M. Zone from Instrument Panel Top to Windshield
- See *Notices for Customer-Installed Equipment on page 1-5* for more information.



**Side View of Driver's Side Airbag Deployment Zone – Centerline of Driver**

- A. Driver's Airbag Deployment Zone
- B. Top of Windshield
- C. Front of Steering Wheel  
(Maximum Downward Position)
- D. Top of Instrument Panel

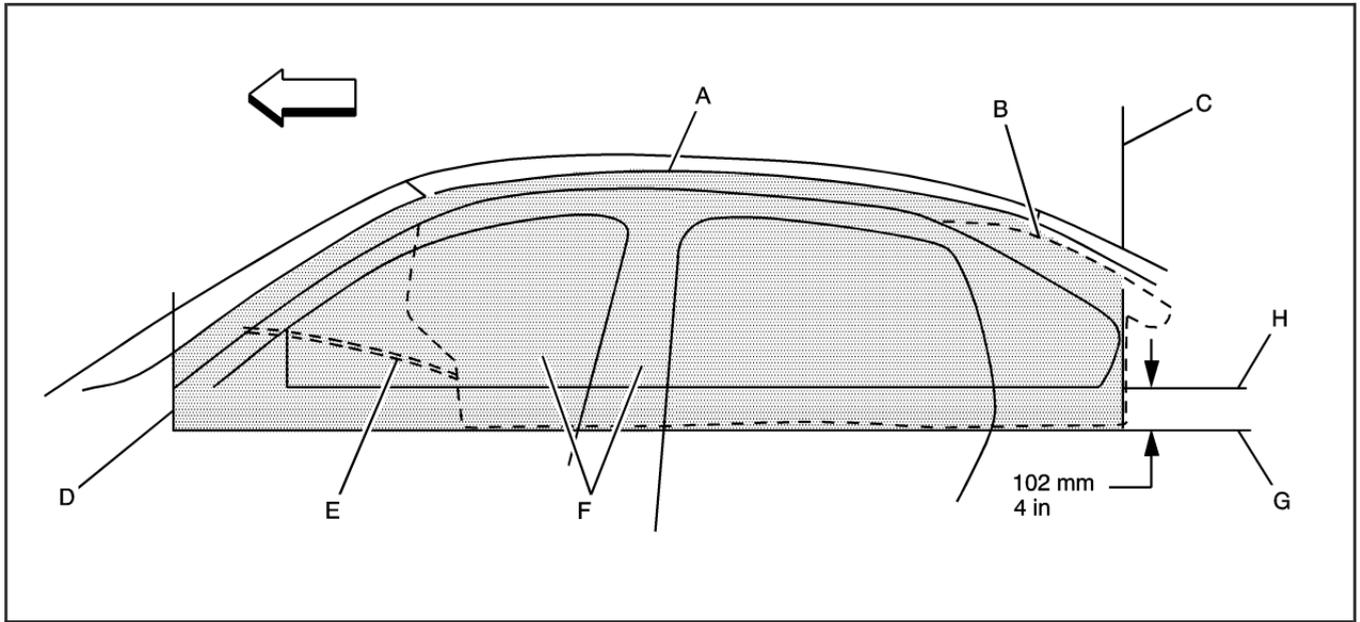
See *Notices for Customer-Installed Equipment* on page 1-5 for more information.



**Side View of Passenger's Side Airbag Deployment Zone – Centerline of Passenger**

- A. Passenger Airbag Deployment Zone
- B. Top of Windshield
- C. Inside Rearview Mirror
- D. Top of Instrument Panel
- E. Passenger Seat in Foremost Position
- F. Passenger Seat in Rearmost Position

See *Notices for Customer-Installed Equipment* on page 1-5 for more information.



**Roof Rail Airbag Deployment Zone - Driver's Side shown, Passenger's Side similar**

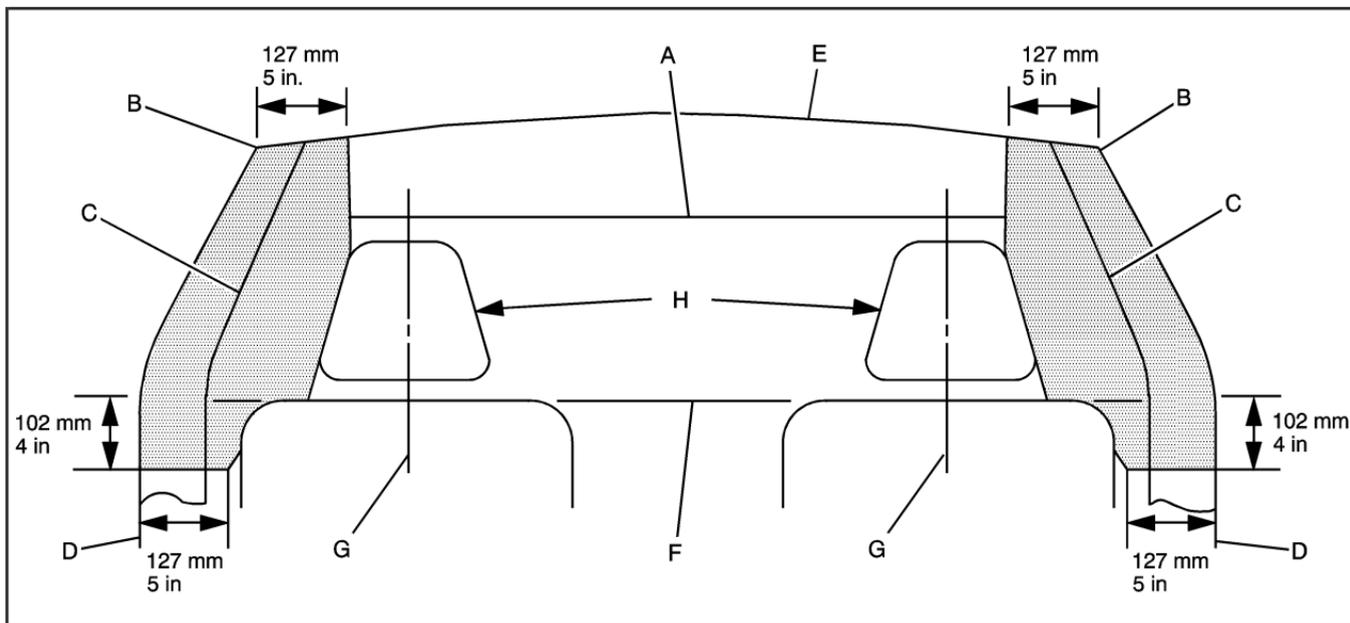
- A. Top of Deployment Zone - Along Roof Rail at Edge of Headliner
- B. Airbag Inflator Location on Sail Panel
- C. Back of Deployment Zone - At Rear of Quarter Window
- D. Front of Deployment Zone - At Front of Outside Mirror Patch
- E. Forward Airbag Tether Line

F. Approximate Shape of Deployed Airbag at Maximum Size

G. Bottom of Deployment Zone

H. Bottom of Door Windows

*See Notices for Customer-Installed Equipment on page 1-5 for more information.*



**Roof Rail Airbag Driver's and Passenger's Deployment Zones - View from Rear Seat**

- A. Roof Rail Airbag Deployment Zone
- B. Edge of Headliner
- C. Inner Center Pillar Trim
- D. Inner Door Pad
- E. Underside of Headliner

- F. Bottom of Door Windows
- G. Seat Centerline
- H. Headrest

See *Notices for Customer-Installed Equipment* on page 1-5 for more information.

## Section 2 Features and Controls

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Specific Cylinder Unit for Single		Running the Engine While Parked .....	2-3
Key - Random Code System .....	2-2		

# Keys

## Specific Cylinder Unit for Single Key - Random Code System

If your vehicles are equipped with one of these options, the entire fleet of vehicle locks can be operated with one key.

- SEO 6E2-Specific Fleet Key Code
- SEO 6E8-Specific Fleet Key Code

Your vehicle will be equipped with a standard production random key code if one of the optional fleet codes was not ordered.

For specific key code information, contact your dealer/retailer.

Your vehicle will be equipped with a key cylinder in the ignition lock, the driver's door, and trunk lid. Remote keyless entry (RKE) is a standard feature and operates all other doors and the trunk lid. Six additional RKE transmitters may have been ordered with your vehicle. See your dealer/retailer for additional information regarding availability of more RKE units for your vehicle.

The RKE transmitter for your police vehicle has the vehicle locator/panic alarm button disabled. The horn will not sound and the exterior lights will not flash when the button is pressed.

## Remote Keyless Entry Transmitter Programming - SEO AMF

Do not operate or program the transmitters in the vicinity of other vehicles that are in the keyless entry program mode. This prevents the programming of the transmitters to the incorrect vehicle.

Up to eight transmitters may be programmed to the RKE on police package equipped vehicles. The first four transmitters are given the position of #1-#4 in the RKE. Any further transmitters will also be assigned to position #4.

Verify that the proper transmitters are learned to the vehicle. Do not learn a transmitter with a remote start button to a vehicle that does not have remote start.

For the proper procedure to be used for learning transmitters, see your owner's manual.

## **Trunk Lid Keylock Cylinder**

Your vehicle has a keylock cylinder in the trunk lid.

If your vehicle is equipped with the theft deterrent system (Option UA6), an audible alarm will occur when the key is used to open the trunk instead of the remote keyless entry (key fob). See your dealer/retailer to disable the audible alarm.

# **Starting and Operating Your Vehicle**

## **Running the Engine While Parked**

While parked with the engine idling for an extended period, turn off the following factory equipment if emergency lighting and communication equipment are operating:

- Air Conditioner
- Fan
- Rear Window Defogger
- Factory Audio System

When the automatic transmission is in PARK (P) and the driver's foot is off the brake and the emergency equipment is turned on, the engine rpm may increase to 1200 rpm to keep the electrical power of the vehicle at a steady rate. Even with the extra power boost, the vehicle may stall after long periods of time with a heavy electrical load.

See "Running Your Engine While You're Parked" in the Features and Controls section of your owner's manual for more information.



## Section 3 Instrument Panel

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<b>Instrument Panel</b> .....	3-2	<b>Warning Lights, Gages, and Indicators</b> .....	3-2
Exterior Lamps .....	3-2	Instrument Panel Cluster .....	3-2

## **Instrument Panel**

### **Exterior Lamps**

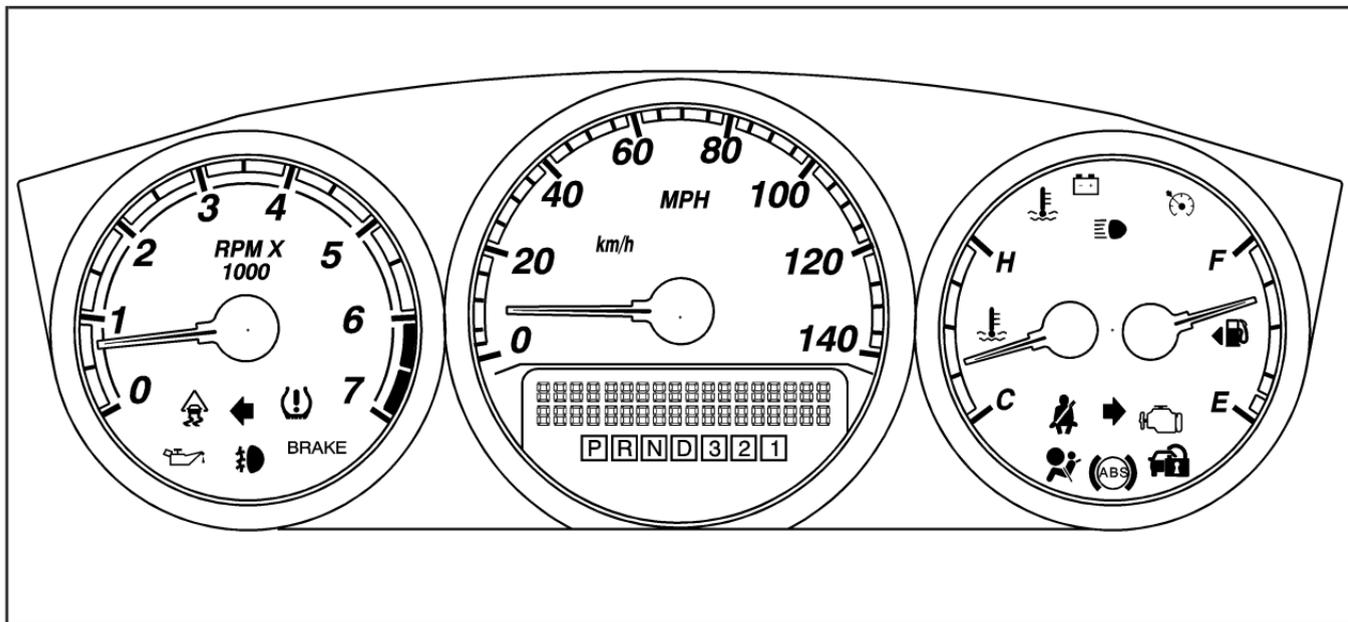
Your vehicle is equipped with Daytime Running Lamps (DRL) and an Automatic Lamp Control (ALC). The headlamp control, located on the driver's side of the instrument panel, will turn off the ALC and DRL for one key-on cycle by momentarily turning the control knob counterclockwise. See your owner's manual for additional information on exterior lamp controls.

Your vehicle may be equipped with SEO 9G8 (Delete Daytime Running Lights and Automatic Headlights). With this option, exterior and interior lighting must be manually controlled (U.S. vehicles only).

## **Warning Lights, Gages, and Indicators**

### **Instrument Panel Cluster**

The instrument panel cluster is designed to let you know at a glance how your vehicle is running. You'll know how fast you're going, about how much fuel you have and many other things you'll need to know to drive safely and economically. See your owner's manual for additional information about the gages and lights on your cluster.



**United States certified cluster, Canada similar**

The words CERTIFIED SPEEDOMETER will flash in the Driver Information Center (DIC) display for approximately two seconds when the engine is started.

The DIC can be set to display digital vehicle speed while the vehicle is being driven. See your owner's manual for more information on the DIC.



## Section 4 Driving Your Vehicle

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<b>Your Driving, the Road, and Your Vehicle</b> .....	4-2	<b>Towing</b> .....	4-2
Loading Your Vehicle .....	4-2	Towing a Trailer .....	4-2

# **Your Driving, the Road, and Your Vehicle**

## **Loading Your Vehicle**

Impala police vehicles may have a full-size spare tire. If the full-size spare tire is stored in the trunk of your vehicle, do not carry more than 141 lbs (64 kg) in the trunk. See “Loading Your Vehicle” in your owner’s manual Index.

# **Towing**

## **Towing a Trailer**

Impala police vehicles are not intended to tow a trailer.

## Section 5 Service and Appearance Care

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Full-Size Spare Tire - SEO N81 .....	5-2		

## Checking Things Under the Hood

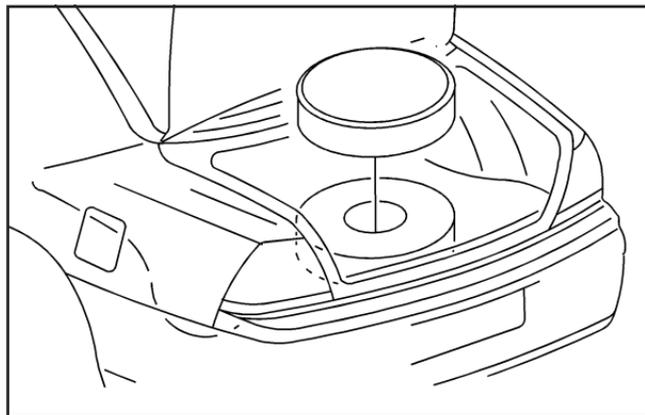
### Brakes

All Impala police vehicles have the Antilock Brake System (ABS). Many of the components of the brake system used on the Impala police vehicle are unique to the vehicle. Before doing any service work, consult the appropriate service manual.

See “Brakes” in your owner manual for additional information on the brake system.

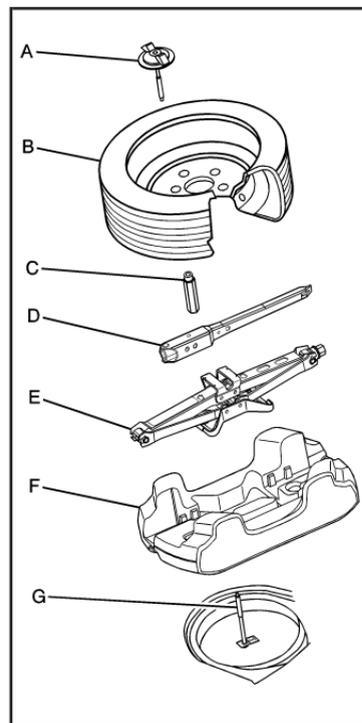
## Tires

### Full-Size Spare Tire - SEO N81



Impala police vehicles may be equipped with a full-size spare tire instead of the standard compact spare. When the full-size spare tire option is ordered, the tire is equipped with a vinyl cover and a surrounding trunk mat. See *Loading Your Vehicle on page 4-2* for more information.

Refer to the following diagram as a guide for storing the full-size spare tire in the trunk. For more information on spare tire storage and changing a flat tire, see "Changing a Flat Tire" in the Service and Appearance Care section of your owner's manual.



- A. Retainer
- B. Full-Size Spare Tire
- C. Extension Bolt Screw
- D. Wheel Wrench
- E. Jack
- F. Foam Holder
- G. Bolt Screw

**Full-Size Spare Tire**

## Capacities and Specifications

The following approximate capacities are given in English and metric conversions.

Application	Capacities	
	English	Metric
Air Conditioning Refrigerant	For the air conditioning system refrigerant charge amount, see the refrigerant caution label located under the hood. See your dealer/retailer for more information.	
Cooling System	10.6 qts	10.0L
Engine Oil with Filter	5.1 qts	4.8L
Transaxle Fluid	7.9 qts	7.5L
All capacities are approximate. When adding, be sure to fill to the appropriate level, as recommended in this manual.		

## Trim Heights

All Impala police vehicles should have the front and rear trim heights checked after the installation of customer furnished equipment. Consult the appropriate service manual for more trim height information.

## Section 14 Special Equipment Options

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### Special Equipment Options Standard with

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### Special Equipment Options Available with

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## Special Equipment Options Standard with Impala Police Package

**Notice:** GM cannot be responsible for any changes made to the vehicle. Have all electrical and body modifications performed by experienced technicians.

- Be sure that any modified or added wiring will work properly with your vehicle's wiring system.
- See that all wiring is properly protected by fuses, and not causing an overload to connectors and components.
- Do not route wiring in areas of the vehicle where temperatures can be high or where wiring may be cut, pinched or rubbed.

- See that all added wiring is of the same or larger gauge than the wire it is being attached to for proper fuse protection.
- Be sure that all holes drilled in the body are properly sealed and corrosion protected. See that the vehicle's wiring harnesses, piping and other components have not been displaced or damaged during customer installations of equipment and wiring.
- Do not route wiring or equipment which could interfere with roof-mounted side impact airbags.

## Electrical Connections

**Notice:** Overloading the vehicle's electrical system may damage your vehicle's accessories. Do not overload the vehicle's system by having unnecessary accessories on at the same time.

## Seats

Impala SEO 9C1 police vehicles are equipped with high-density foam front seats that have security panels in the seatbacks and a high-density foam rear seat cushion and seatback.

## Radio(s)

### Chime Level Adjustment

Impala police vehicles are equipped with a radio that provides an AM-FM stereo with a CD player. The radio produces the required warning chimes for the vehicle. The volume level of the chimes can be adjusted to be louder, but cannot be turned off.

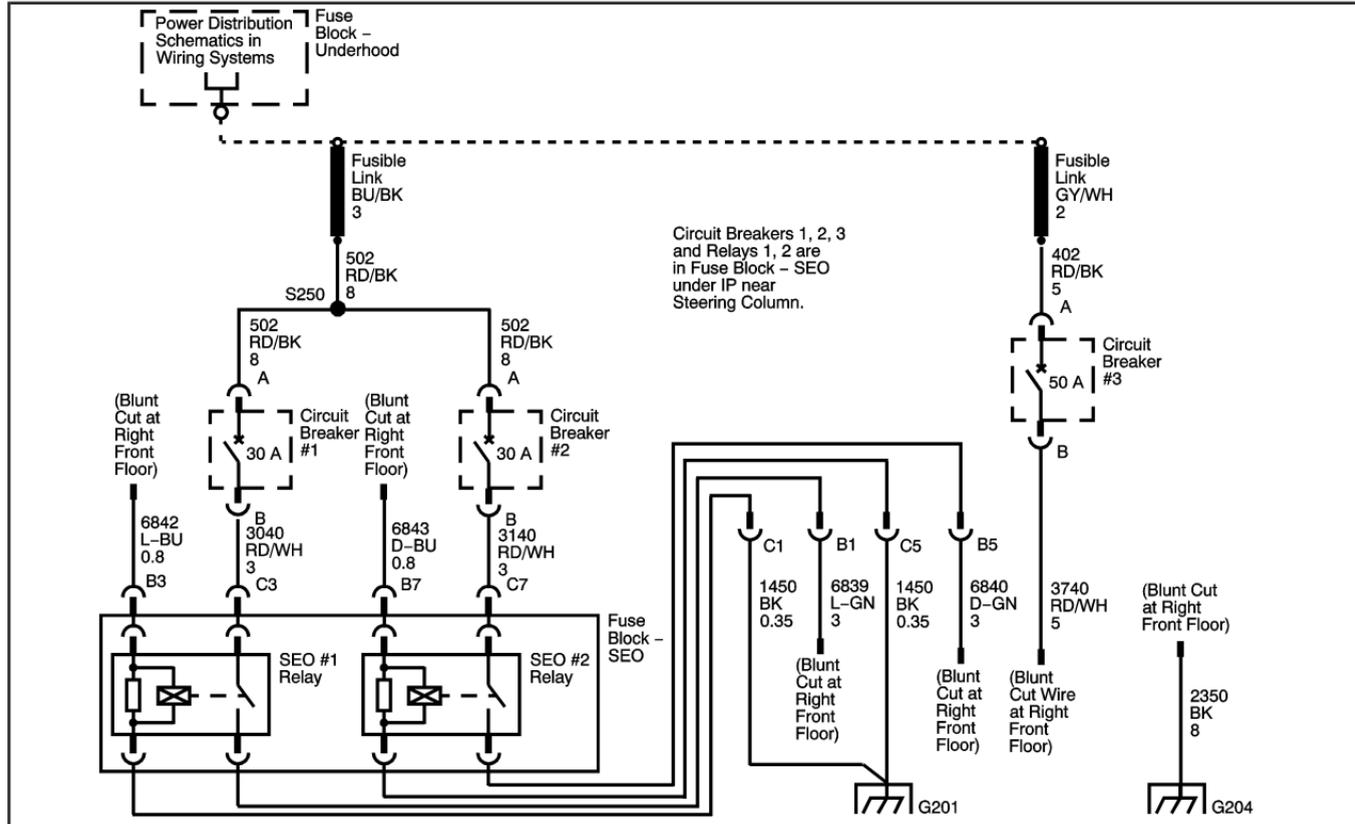
The sound for the warning chimes is directed to the left front door speaker. When SEO WX7 (wiring provisions for the front speakers) is installed, the sound is directed to the left rear speaker.

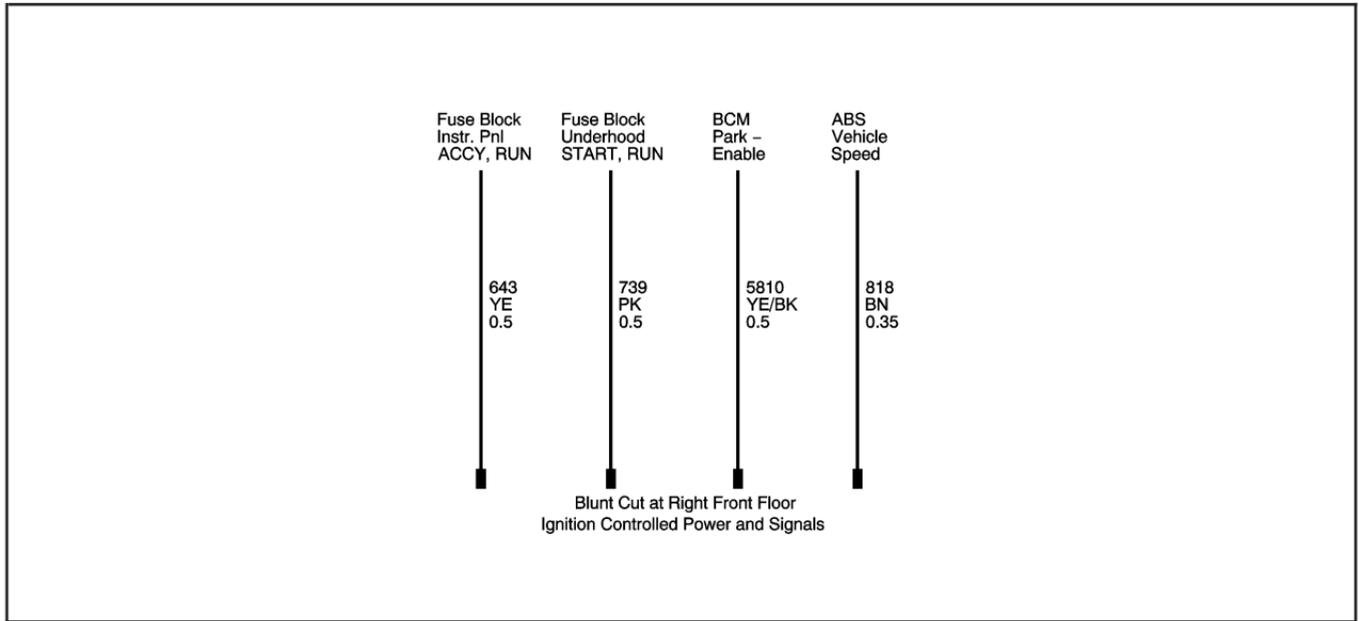
See “Climate Controls” and “Audio Systems” in your owner’s manual to adjust the chime volume or contact your dealer/retailer for assistance.

### Radio Suppression

Impala police vehicles are equipped with spark plugs and spark plug wires designed to reduce radio interference noise levels which may affect communication equipment, including operating frequencies in the 38MHz to 58 MHz range.

# Wiring Provisions for 12-Volt Battery Power Supply





Battery power is supplied through two fusible links, one 50 amp and one 65 amp, to three circuit breakers and two control relays located in the relay center above the accelerator pedal. A 50 amp circuit breaker feeds power directly from the 50 amp fusible link through a 10 gauge (5.0 mm<sup>2</sup>) blunt cut wire.

Two 30 amp circuit breakers supply power from the 65 amp fusible link through the contacts of the control relays to 12 gauge (3.0 mm<sup>2</sup>) blunt cut wires. The blunt cut leads are part of a 5 ft (1.5 m) loop of wire coiled under the instrument panel in the passenger side footwell.

Each relay is operated by an 18 gauge (0.8 mm<sup>2</sup>) blunt cut, light or dark blue control lead included in the 5 ft (1.5 m) coil under the instrument panel. An 8 gauge (8.0 mm<sup>2</sup>) ground lead is also provided in the 5 ft (1.5 m) coil. The total current available through the 12-volt power supply is 110 amps (1320 watts).

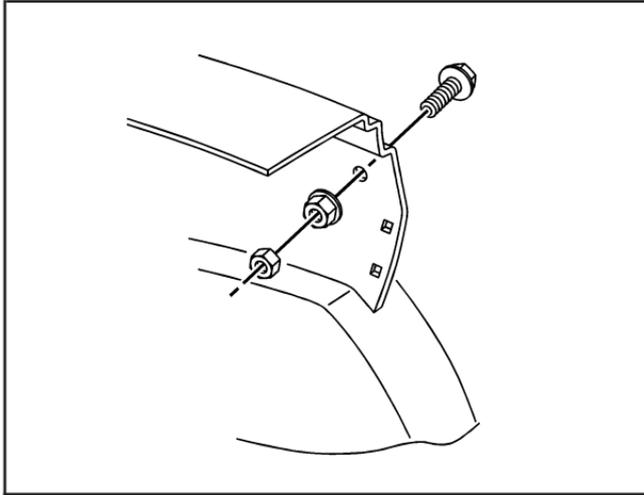
Blunt cut ignition controlled power and signal circuits are also included in the following 5 ft (1.5 m) right foot loop:

- A yellow, 20 gauge (0.5 mm<sup>2</sup>) 10 amp fused circuit, Hot in ACC/ACCESSORY, ON/RUN or RAP (Retained Accessory Power)
- A pink, 20 gauge (0.5 mm<sup>2</sup>) 10 amp fused circuit, Hot in START and ON/RUN

- A yellow/black, 20 gauge transaxle park signal from the Body Control Module (BCM). The circuit provides a switched power when the transaxle is not in PARK (P) and the engine is running. The electrical load attached to the park circuit must not exceed 0.5 amps and is meant to drive one relay coil.
- A brown, 22 gauge (0.35 mm<sup>2</sup>) vehicle speed signal (4,000 pulses/mile) from the ABS module. Connect only high impedance load.

The spotlamp fuses are located in the passenger side underhood fuse block. See “Fuses and Circuit Breakers” in your owner’s manual index for more information.

## Trunk Ground Stud - SEO UT7



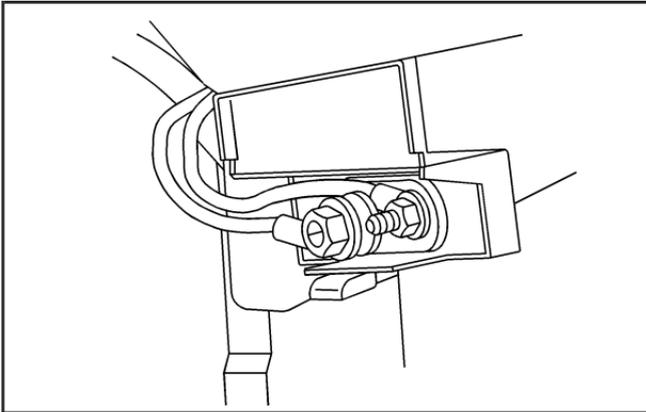
A 10 mm ground stud can be found in the trunk on the passenger's side of the vehicle. The stud is located above the trunk auxiliary junction block. See "Trunk Auxiliary Battery Power Junction Block" that follows for more information on location.

A 10 mm flanged hex nut grounds the 10 mm bolt to the vehicle. Recommended torque for the flanged nut is 26 lb ft (35 N·m), plus or minus 4lb ft (5 N·m). A 10 mm hex nut is provided for customer ground termination. Recommended torque for the terminal connection nut is 7.3 lb ft (10 N·m), plus or minus 1 lb ft (1.3 N·m).

## Auxiliary Battery Power Junction Block(s)

The auxiliary battery power junction block is mounted in the trunk of your Impala police vehicle. It is located on the passenger side support strut behind the rear wheel housing.

This junction block is split to provide two circuits and can be used to connect customer-furnished equipment directly to the battery through fusible links. A maximum of 100 amps (1200 watts) can be connected. Torque the connections to the studs to 11 lb ft (15 N-m). It is fed by two fusible links of 50 amps each.

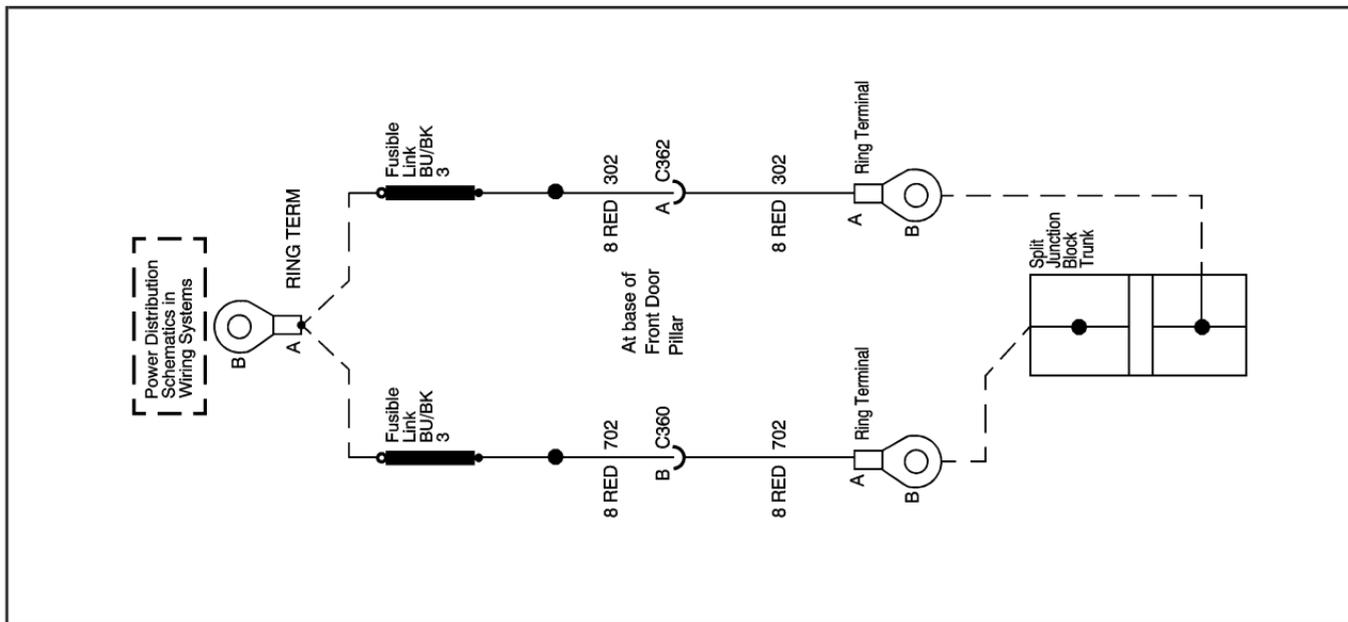


To connect the customer-furnished equipment at the junction block, use the following steps:

1. Disconnect the negative (-) battery cable.
2. Connect the customer-furnished equipment positive leads to the junction block terminals and tighten to 11 lb ft (15 N-m).

The ignition must be turned off and the vehicle vacated prior to connecting the negative (-) battery cable to the battery.

3. Reconnect the negative (-) battery cable to the battery.
4. Set the time on the clock and radio pushbuttons as needed. See "Audio Systems" in the Instrument Panel section of your owner's manual for more information.

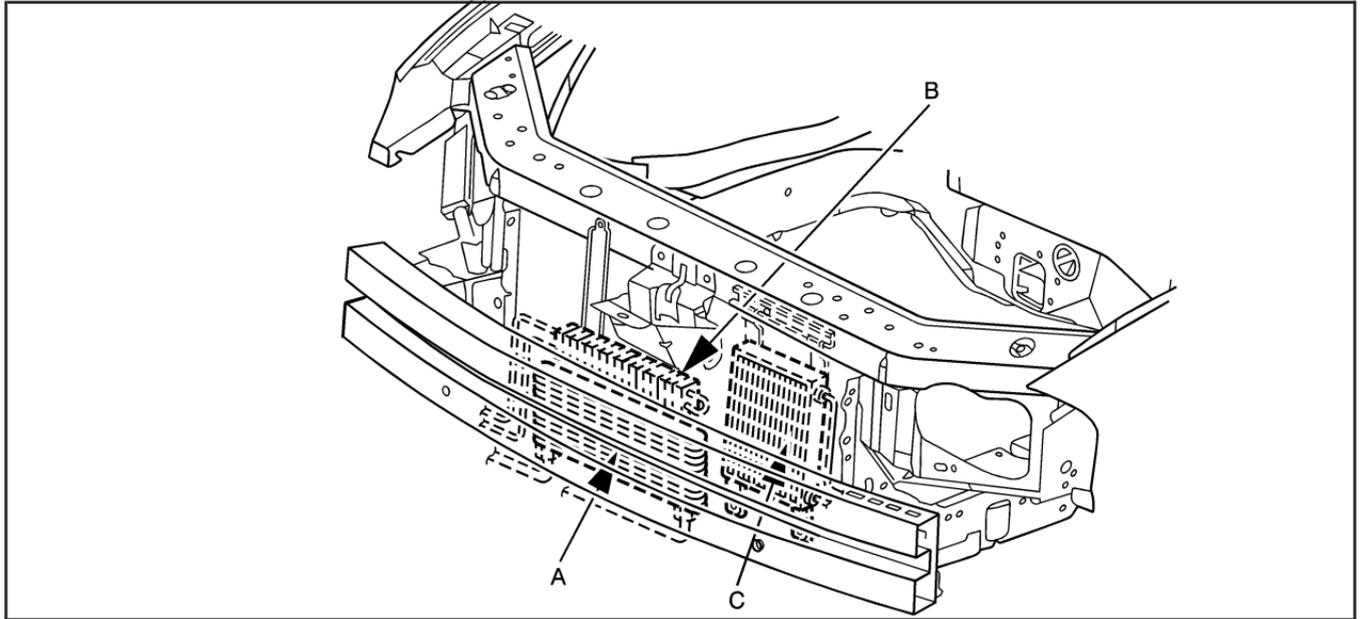


**Wiring Diagram for Trunk Auxiliary Battery Power Junction Block**

## Heavy Duty Cooling System

A high capacity radiator and fan replace the standard cooling system. Refer to the owner's manual for more information on the cooling system.

## Power Steering/Engine Oil Cooling System



- A. Engine Oil Cooler
- B. Power Steering Cooler
- C. Transmission Fluid Cooler

Your Impala police vehicle is equipped with auxiliary fin-type air-to-oil coolers mounted in front of the engine coolant radiator.

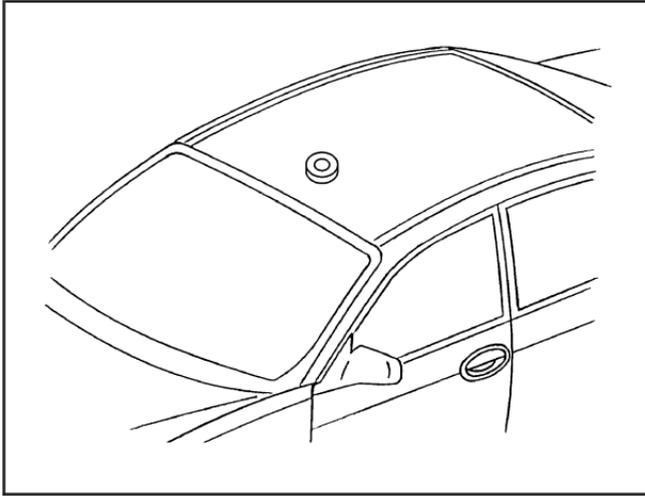
The engine oil and power steering fluid coolers are mounted on a common frame to the right of center. The transmission fluid cooler is mounted separately to the left of center and provides fluid cooling in addition to the coolant radiator end-tank cooling.

## **Special Equipment Options Available with Impala Police Package**

**Notice:** GM cannot be responsible for any changes made to the vehicle. Have all electrical and body modifications performed by experienced technicians.

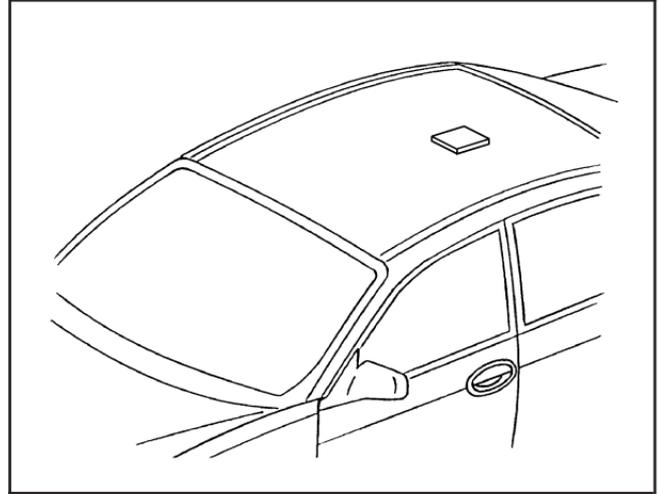
- Be sure that any modified or added wiring will work properly with your vehicle's wiring system.
- See that all wiring is properly protected by fuses, and not causing an overload to connectors and components.
- Do not route wiring in areas of the vehicle where temperatures can be high or where wiring may be cut, pinched or rubbed.
- See that all added wiring is of the same or larger gauge than the wire it is being attached to for proper fuse protection.
- Be sure that all holes drilled in the body are properly sealed and corrosion protected. See that the vehicle's wiring harnesses, piping and other components have not been displaced or damaged during customer installations of equipment and wiring.
- Do not route wiring or equipment which could interfere with roof-mounted side impact airbags.

## Auxiliary Dome Lamp - SEO 6C7



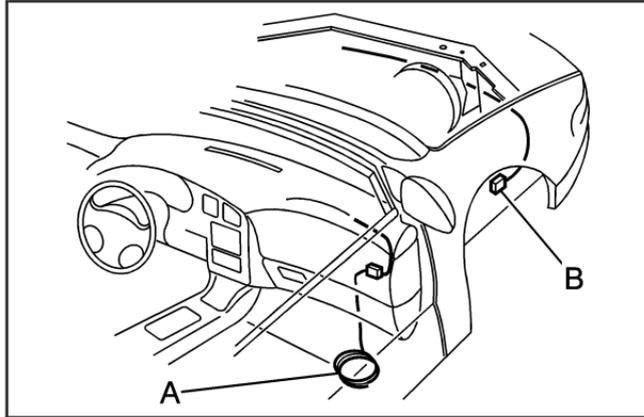
The auxiliary dome lamp is located on the headliner between the driver and the front passenger seating positions. The button for this lamp is located at the rear base of the lamp. The lamp is wired independently. To operate the lamp, press the button. To turn the lamp off, press the button again.

## Dome Lamp Inoperative Function - SEO 7Y6



This feature on the Impala police vehicle makes the dome lamp inoperative when a door is opened. The dome and courtesy lamps can only be controlled using the exterior lamps knob on the instrument panel.

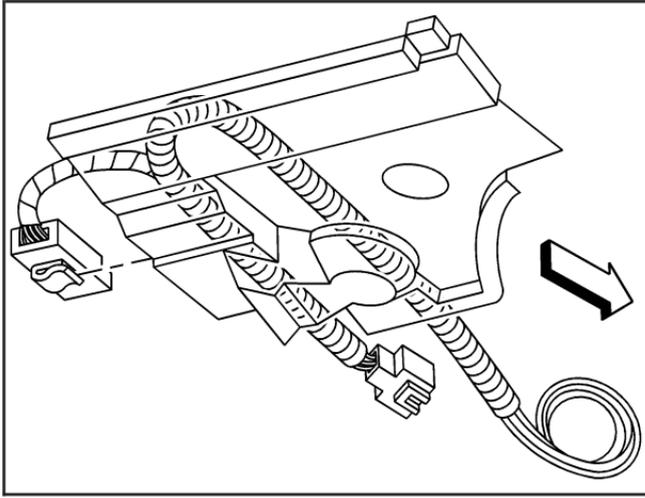
## Wiring Provisions for Vehicle Grille Lamps, Flasher and Speaker/Siren - SEO 6J3



**Alternating Signal Flasher**

- A. Blunt cut ends for the Alternating Signal Flasher, Customer-Furnished Grille Lamps and Customer-Furnished Siren/Speaker
- B. Control Wires from In-Line Connector in Forward Lamp Harness for Customer-Furnished Grille Lamps and Speaker

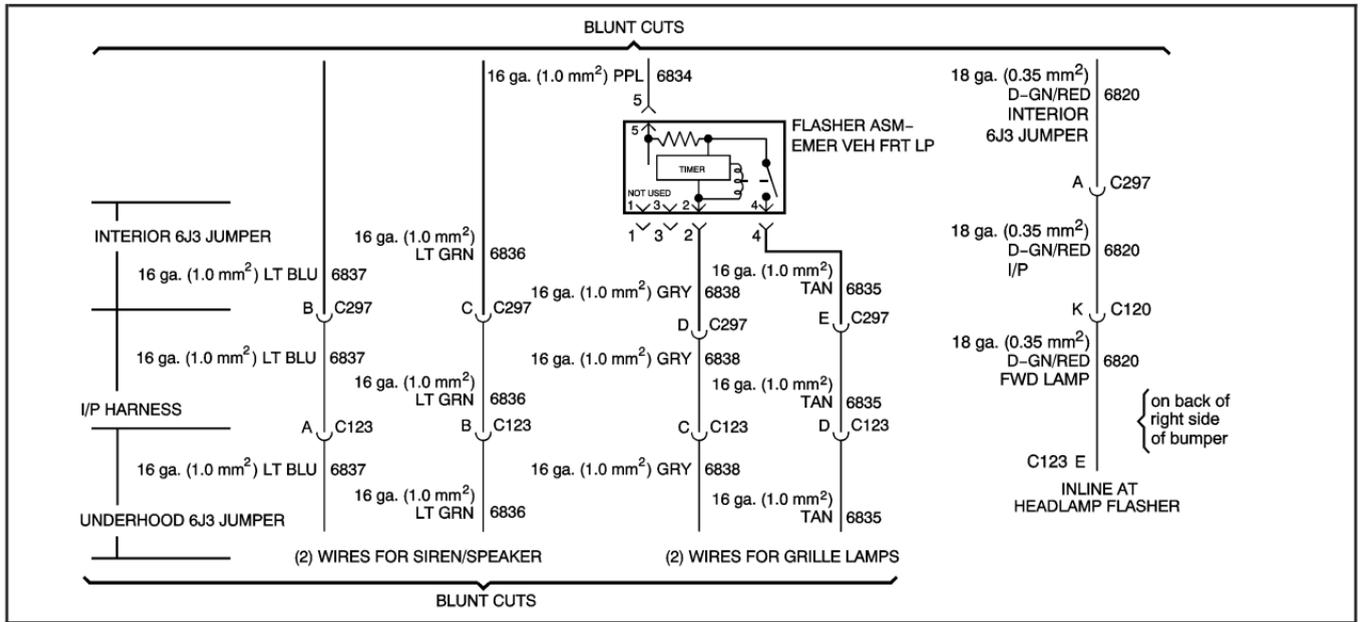
This wiring provision option consists of one 16 gauge (1.0 mm<sup>2</sup>) wire connected to an alternating signal flasher located underneath the instrument panel on the passenger's side. Five feet (1.5 m) of extra wire from the flasher is routed from underneath the instrument panel to an area behind the grille. All four wires have 12 inches (30 cm) of extra wire in a coil behind the grille. Grille lamps and the speaker are not included. The flasher is not included when SEO 6J7 is ordered without SEO 6J3.



**Wiring Harness with Alternating Signal Flasher**

The SEO 6J3 wiring provision also includes control wiring for the SEO 6J7 exterior lamps emergency flashing system. A dark green/red 18 gauge (0.8 mm<sup>2</sup>) headlamps flasher module control wire activates the flashing system when 12-volts are applied.

When SEO 6J7 is installed without SEO 6J3, only the dark green red control wire is provided for connection to customer-furnished 12-volt switching to turn the emergency flashing system on or off.



**Wiring Diagram for SEO 6J3 and SEO 6J7**

## Exterior Lamp Emergency Flashing System - SEO 6J7

SEO 6J7 provides a high-beam headlamps flashing module, rear lamps flashing and control wire for a customer-furnished switch to turn the module on or off. The flasher control wire is coiled in the passenger side footwell under the instrument panel. This control lead may be combined with the interior wiring leads for SEO 6J3 when that option is ordered with SEO 6J7.

The headlamps flashing module is located at the inboard end of the passenger side headlamps assembly. The headlamps flashing module is activated by the application of 12 volts to a dark green/red wire coiled in the passenger side footwell. When activated, the driver and passenger side high-beam headlamps and the high-beam instrument panel cluster light will flash alternately at 2.4 flashes per second.

During daylight conditions, the Daytime Running Lamps (DRL) are automatically turned off whenever the headlamps flasher module is activated. During nighttime conditions, the low-beam headlamps turn on automatically while the high-beam headlamps flash.

Turning on the high-beam headlamps manually with the turn signal/multifunction lever will override the flashing module and the high-beam headlamps will operate continuously.

A fuse labeled HDLP MDL protects the flasher module circuit. This fuse is located in the underhood fuse block in the engine compartment on the passenger side of the vehicle. See “Fuses and Circuit Breakers” in the Service and Appearance Care section of your Impala owner’s manual for more information.

When the headlamps flashing module is turned on, the module sends a signal to the Body Control Module (BCM). The BCM alternately flashes the stop lamps and backup lamps. Depressing the brake pedal will override the stop lamp flashing and placing the transaxle in reverse will override the backup lamp flashing.

When it is dark outside, the taillamps will turn on automatically. The Center High-Mounted Stoplamp (CHMSL) will not flash and will operate only when the regular brake pedal is pressed.

C122

GROUND	1250	0.8 BLK	A	<				
LH HI BEAM	711	0.5 D-GN/WH	B	<<	B	711	0.5 D-GN/WH	
POWER *	2940	0.8 RD/WH	C	<				
RF HI BEAM	311	0.5 L-GN/BK	D	<<	D	311	0.5 L-GN/BK	
CONTROL	6820	0.35 D-GN/RD	E	<				
BCM	6841	0.5 D-BU/YE	F	<				

\* FUSE "HDLP FLSHR", FUSE BLOCK, UNDERHOOD

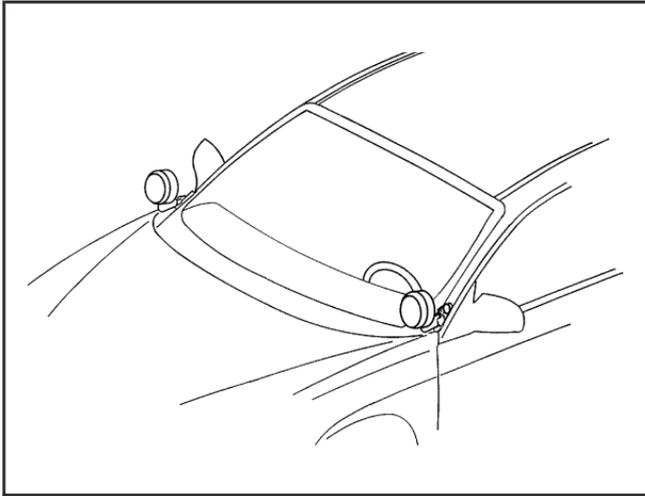
**Forward Lamp Harness In-Line Connector for use with Headlamps Flasher Module, Option 6J7**

The connector is located on the back of the passenger side of the bumper beam.

## Spotlamp - SEO 7X6

This option includes one pillar-mounted driver's side halogen spotlamp. The spotlamp has a fuse located in the passenger's side underhood fuse block.

## Spotlamps - SEO 7X7

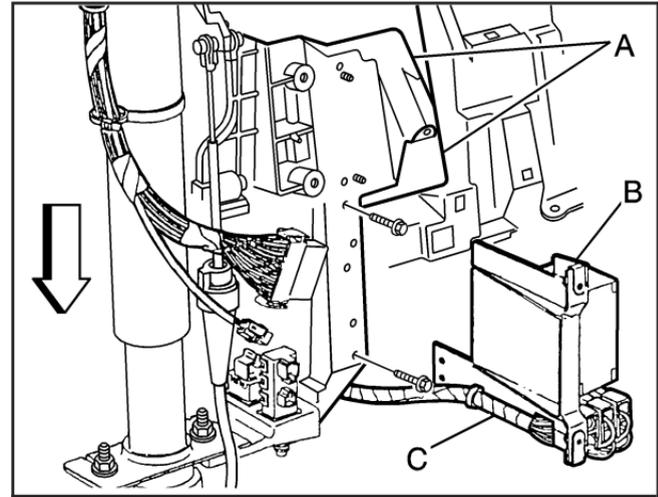


SEO 7X7 includes a driver's and a passenger's side spotlamp.

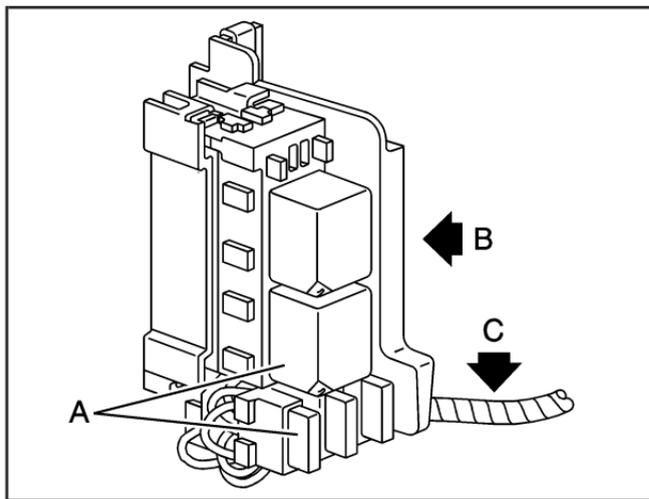
For spotlamp bulb replacement procedures, see the appropriate section of the service manual.

## Servicing Relays and Circuit Breakers

The following information shows you where the relays and circuit breakers are located in the Fuse Block-SEO.



- A. Instrument Panel Carrier
- B. Relay Center for Circuit Breakers and Control Relay
- C. Instrument Panel Harness Branch



**Enlarged View of the SEO Fuse Block**

- A. Relays and Circuit Breakers
- B. Front of the Vehicle
- C. Floor of the Vehicle

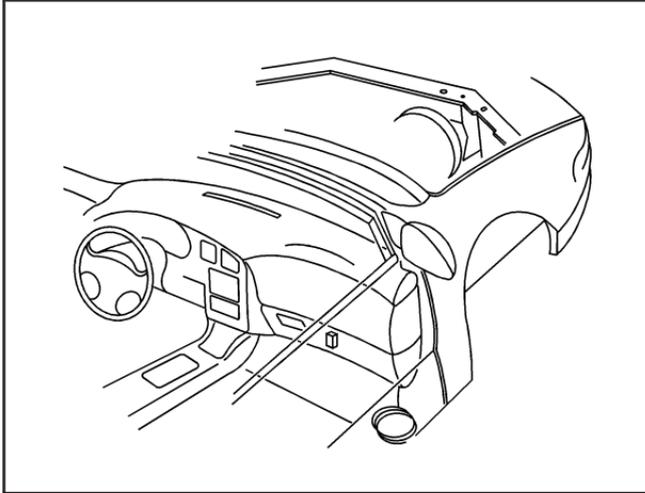
## **Spotlamp Provision - SEO 7X8**

This option includes a provision for the installation of a driver's side pillar-mounted spotlamp. The provision includes a hole in the A pillar for spotlamp shaft routing, mounting bracket and a power connector. The spotlamp wiring is powered by a fuse that is located in the passenger's side underhood fuse block.

## **Spotlamp Provision - SEO 7X9**

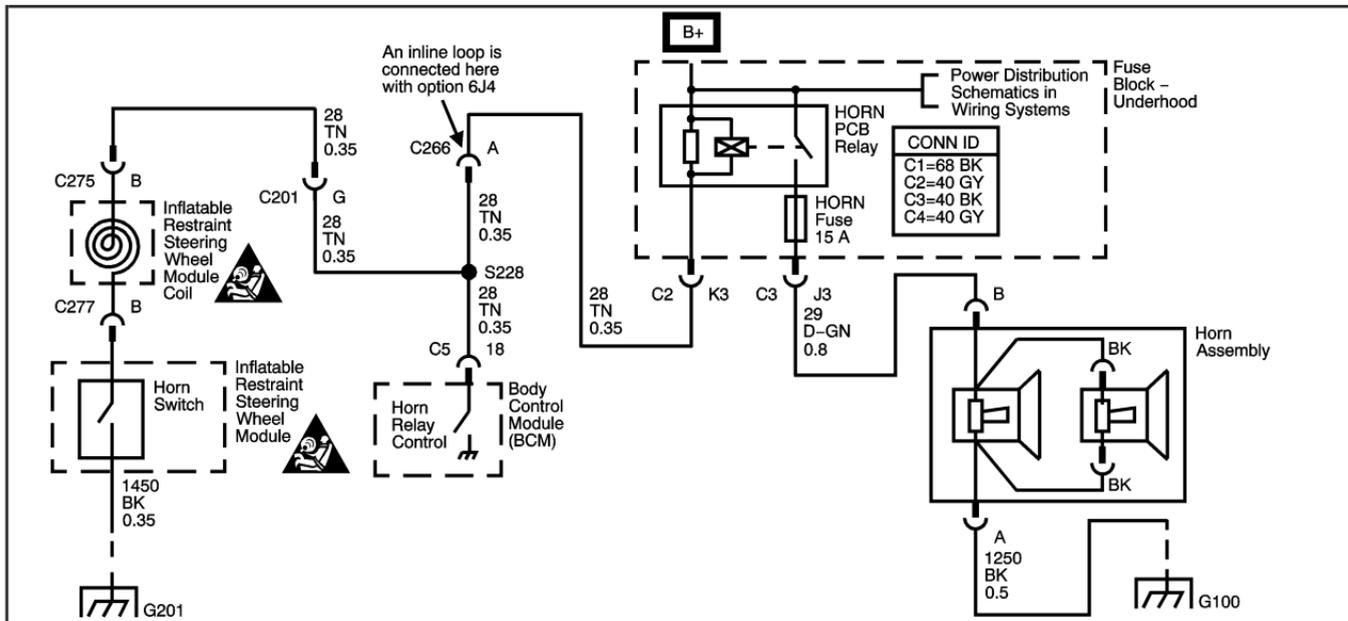
This option includes provisions for the installation of driver and passenger's side pillar-mounted spotlamps. The provision includes a hole in the A pillar for spotlamp shaft routing, mounting bracket and a power connector. The spotlamp wiring is powered by fuses that are located in the passenger's side underhood fuse block.

## Wiring Provision for Horn/Siren Circuit - SEO 6J4



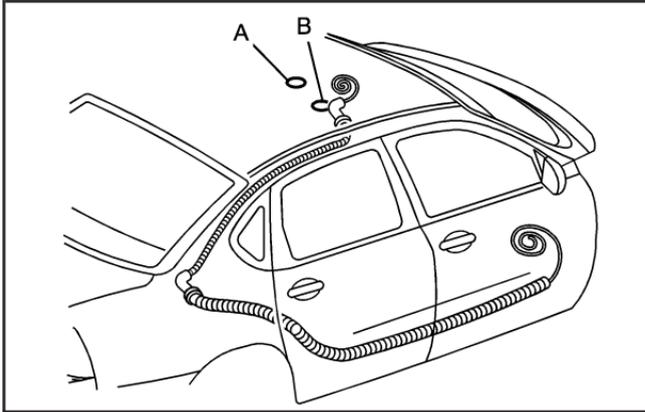
This provision permits customer connection of a switch to select either horn or siren operation when the horn pad is pressed.

A 22 gauge ( $0.35 \text{ mm}^2$ ) wire is connected to an in-line connector in the horn circuit of the instrument panel harness under the instrument panel. The end of this harness extension is in a 5 foot (1.5 m) loop of wire coiled under the instrument panel.



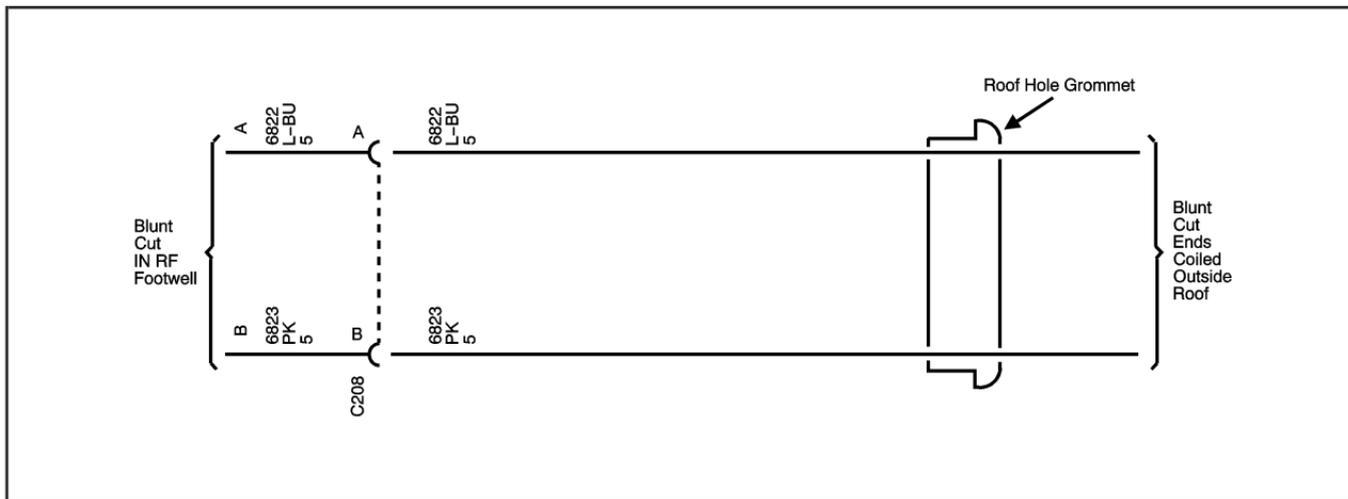
**Wiring Diagram for SEO 6J4 Inline Connector**

## Wiring Provision for Roof-Mounted Accessories - SEO 6F5



A. 6B7 Hole Location

B. 6J5 Hole Location



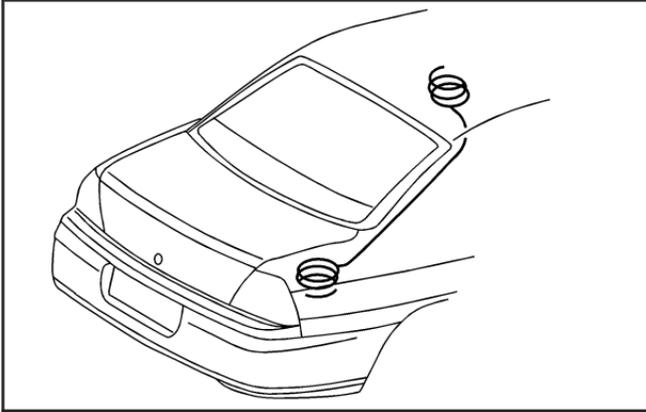
**Wiring Diagram for SEO 6F5**

Option 6F5 is a universal wiring harness for roof-mounted equipment. The harness is routed from a 5 foot (1.5 m) coil of wire in the passenger's side footwell to a connector on the passenger's side of the trunk.

When the SEO 6B7 (center hole) is ordered, two color coded 10 gauge (5.0 mm<sup>2</sup>) wires extend 24 inches (60 cm) through a grommet approximately 30 inches (74 cm) behind the top of the windshield at the center of the roof.

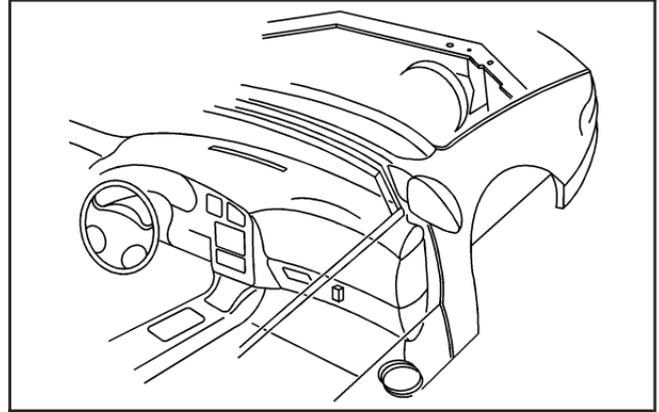
When SEO 6J5 (passenger's side hole) is ordered, two color-coded 10-gauge (5.0 mm<sup>2</sup>) wires extend 24 inches (60 cm) through a grommet approximately 30 inches (74 cm) behind the top of the windshield and 6 inches (15 cm) inboard from the passenger's side longitudinal roof joint.

## Wiring Provisions Rear Coaxial Cable - SEO 6C8



About 95 inches (240 cm) of RG58 coaxial radio antenna cable is run from the roof panel just rear of the center dome lamp and coiled in the trunk to reach either corner. The cable permits the connection of customer-installed communication equipment.

## Wiring Provisions Front Speakers - SEO WX7



About 65 inches (165 cm) of auxiliary speaker wire is run from the instrument panel radio connector and is coiled under the center of the instrument panel. The wiring permits the connection of front door speakers to customer-installed communication equipment.

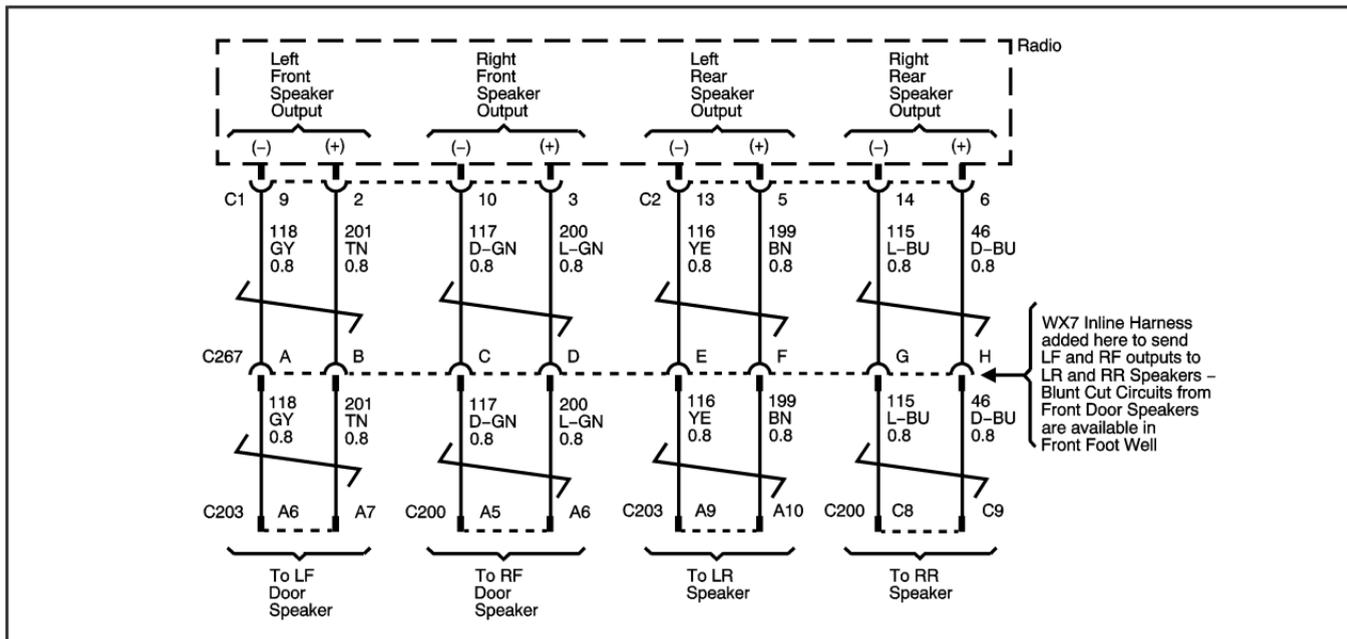
Radio outputs from the front speakers are sent to the rear speakers to maintain the required open door/key in the ignition reminder chime

## Electrical Connections

1. Disconnect the negative (-) battery cable at the battery.
2. Remove the tape from the wire coiled under the instrument panel to uncoil it.
3. Using proper electrical connectors, connect the wires for the left front audio output of the customer-installed communication device. The left front positive wire is tan and the left front negative wire is gray.
4. Using proper electrical connectors, connect the wires for the right front audio output of the customer-installed communication device. The right front positive wire is light green and the right front negative wire is dark green. The electrical impedance of each speaker installed is 10 ohms.

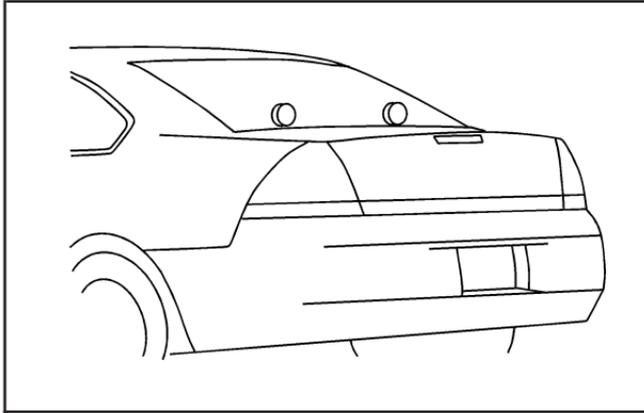
**Notice:** Overloading the vehicle's electrical system may damage your vehicle's accessories. Do not overload the vehicle's system by having unnecessary accessories on at the same time.

5. The ignition must be turned off and the vehicle must be vacated prior to attaching the cable to the battery. Connect the negative (-) battery cable to the battery and tighten the bolt to 11 lb ft (15 N·m).
6. Set the time on the clock and radio pushbuttons as needed. See "Audio Systems" in the Instrument Panel section of your owner's manual for more information.



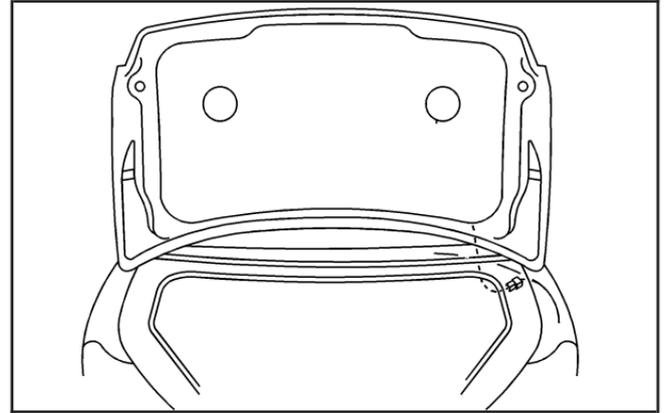
**Wiring Diagram for SEO WX7 Inline Connector**

## Rear Panel Lamps - SEO 6J6



Two 4 inch (10 cm) red single faced lamps are mounted behind the rear seatback to be viewed through the rear window. The lamps work as auxiliary turn signal lamps, stoplamps and hazard warning flashers. The wire to each lamp is extended to a loop with yellow (left) and green (right) wires coiled in the passenger's side footwell. These loops allow customer installation of an in-line switch in each lamp circuit to disable the auxiliary lamp feature.

## Trunk Lid Warning Lamps - SEO T53



Two 4 inch (10 cm) single faced lamps are mounted to the inside of the trunk lid. The lamps work while the trunk lid is opened. They are wired to flash alternately through a flasher located at the right front corner of the trunk opening.

## **Ignition Control Trunk Release - SEO A98**

Impala police vehicles are equipped with an electric trunk release which operates when the vehicle's ignition is in LOCK/OFF. This feature can be changed however, to operate only when the vehicle's ignition is in ON/RUN. To enable this feature on your vehicle, contact your dealer/retailer for assistance.

## **Trunk Mat - SEO B42**

A heavy duty vinyl mat covers the trunk floor in vehicles equipped with either a compact or full size spare tire.

## **Heavy Duty Floor Covering - SEO 6A3**

Impala police vehicles are equipped with carpet and carpeted floor mats. Optional heavy floor covering may replace the carpeting and floor mats.

## **Rear Door Handles Inoperative Function - SEO 6B2**

This feature makes the rear door handles inoperative. When the feature is enabled, the inside rear door handles are disconnected and the rear doors can only be opened from the outside.

## **Rear Door Locks Inoperative Function - SEO 6N6**

This feature makes the rear door locks inoperative. When the feature is enabled, the rear door lock switches are disconnected and the rear doors can only be locked or unlocked from the driver's door lock switch.

## **Rear Windows Inoperative Function - SEO 6N5**

This feature makes the rear window switches inoperative. While the feature is enabled, the rear window switches are disconnected and the rear windows can only be operated from the driver's window switch.

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