2006 Chevrolet Tahoe Police Package

GENERAL MOTORS, GM, the GM Emblem, CHEVROLET, the CHEVROLET Emblem, and the name TAHOE are registered trademarks of General Motors Corporation.

The information in this manual supplements the owner manual. This manual includes the latest information at the time it was printed. We reserve the right to make changes after that time without notice.

Keep this manual in the vehicle, so it will be there if it is needed. If the vehicle is sold, leave this manual in the vehicle.

The Tahoe Police Package (SEO PPV) has been designed for police work up to and including high-speed emergency vehicle operations.

The Tahoe Special Service Package (SEO 5W4) is not designed nor intended for use in high-speed emergency vehicle operations.

Canadian Owners

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

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

Litho in U.S.A.
Part No. 15791157 A First Printing

Section 1 Seats and Restraint System

Airbag System

Questions and Answers About Airbags and Specialty Law Enforcement Vehicles

Tahoe Police Package and Special Service Package

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"?

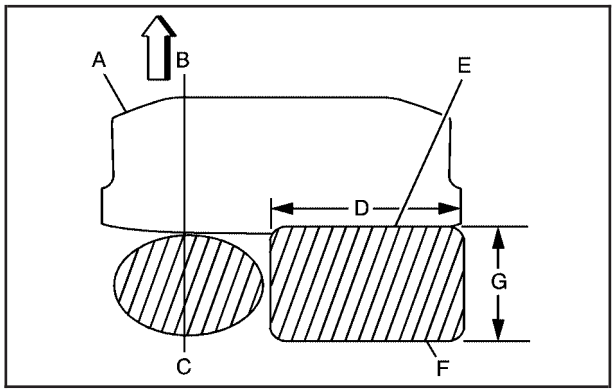
A: The term "deployment zone" describes the space an airbag takes up when fully inflated. Airbags need room to work properly, and anything in the "deployment zone" — such as improperly mounted equipment — can greatly affect the performance of the airbag.

⚠ CAUTION:

Airbags inflate with great force, faster than the blink of an eye. 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.

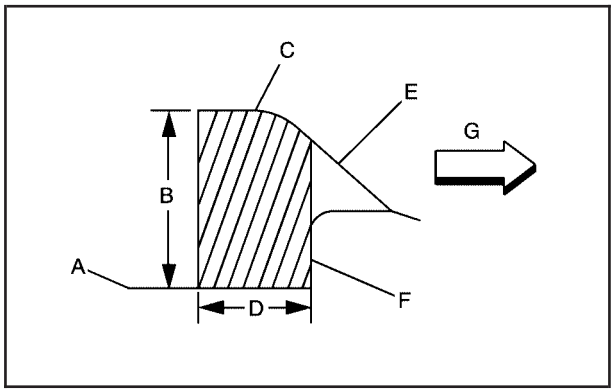
Q: How can I identify the airbag "deployment zone" in my vehicle?

A: The following 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.



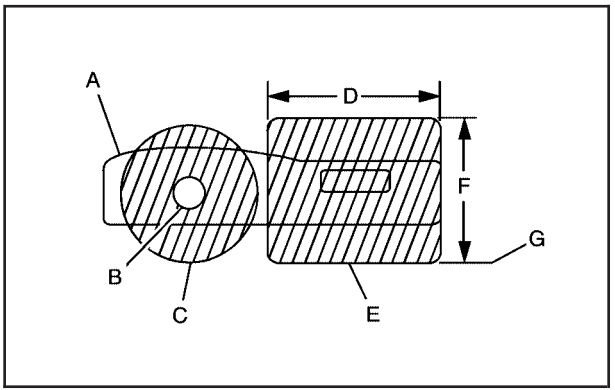
Top View of Instrument Panel and Approximate Deployment Area of the Airbag Zone

A. Instrument Panel
B. Front of Vehicle
C. Driver's Airbag Deployment Zone
D. 30.7 in (780 mm)
E. Passenger's Airbag Deployment Door
F. Passenger's Airbag Deployment Zone
G. 17.7 in (450 mm)



Side View of Passenger's Airbag Deployment Zone

A. Top of Passenger's Seat
B. 23.2 in (590 mm)
C. Passenger's Airbag Deployment Zone
D. 17.7 in (450 mm)
E. Windshield
F. Passenger's Airbag Deployment Door
G. Front of Vehicle



Rear View of Airbag Deployment Zones

A. Instrument Panel
B. 14 in R (355 mm)
C. Driver's Airbag Deployment Zone
D. 30.7 in (780 mm)
E. Passenger's Airbag Deployment Zone
F. 23.2 in (590 mm)
G. Top of Passenger Seat

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 effects 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, front end or side sheet metal or height, 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.

NOTES

Section 2 Features and Controls

Keys

Specific Cylinder Unit for Single Key - Random Code System

Tahoe Police Package and Special Service Package

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.

Your vehicles will be equipped with a key cylinder in the ignition lock and the driver's door only. Remote keyless entry (RKE) is a standard feature and operates all other doors and the rear liftgate.

Six additional RKE transmitters may have been ordered with your vehicle. See your dealer for additional information regarding availability of more RKE units for your vehicle.

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 four transmitters may be programmed to the passenger door module (PDM). Each programmed transmitter is given a position of #1-#4 in the PDM memory.

All transmitters which are to be recognized by the PDM must be programmed in a single programming sequence. When using this programming method, all previously programmed transmitters will be erased upon the receipt of the programming signal from the first transmitter.

The order in which the transmitters are programmed will determine its numbering position within the PDM memory. The first transmitter programmed will be transmitter #1, and the second transmitter programmed will be transmitter #2. The number stamped on the transmitter case is for reference only. #2 can be programmed as #1, or vice versa. Additional unnumbered transmitters are also available.

The method for programming transmitters is listed in the following steps.

1. Close all of the vehicle doors.
2. Insert the ignition key into the ignition lock cylinder.
3. Press and hold the door unlock switch.
4. While holding the door lock switch in the unlock position, cycle the ignition on, off, on, off.
5. Release the door unlock switch. The doors will lock and unlock to confirm the program mode.
6. Press and hold the lock button and the unlock button simultaneously on one transmitter. After a delay of about 15 seconds, the doors will lock and unlock to confirm the programming of that transmitter.
7. Repeat the previous step to program up to four transmitters.
8. Turn the ignition switch to RUN in order to exit the keyless entry transmitter programming mode.
9. Operate the transmitter functions in order to verify correct system operation.

Starting and Operating Your Vehicle

Running the Engine While Parked

Tahoe Police Package and Special Service Package

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

See “Running Your Engine While You’re Parked” in your owner’s manual Index.

Engine Idle Speed - Alternator Output (Tahoe Police Package Only)

To increase alternator output while your Tahoe police vehicle is in PARK (P) or NEUTRAL (N), the idle speed for the engine is set for 800 rpm. If the transmission remains in PARK (P) or NEUTRAL (N), and the electrical load on the alternator is large enough, the engine idle speed can rise as high as 1000 rpm.

Section 3 Instrument Panel

Instrument Panel

Exterior Lamps

Tahoe Police Package and Special Service Package

The following exterior lighting features apply to vehicles first sold in the United States. The DRL and AHS must always remain fully functional for vehicles first sold in Canada.

Your vehicle is equipped with Daytime Running Lamps (DRL) and an Automated Headlamp System (AHS). The DRL and AHS can be turned off with the headlamp switch when the transmission is in PARK (P) and the engine is at idle. If the engine is not turned off, the DRL and AHS will remain off when the transmission is placed in gear. The vehicle may be driven with the lamps off for one ignition cycle.

For vehicles first sold in Canada, the DRL and AHS can be turned off if the park brake is pressed and the transmission remains in PARK (P) before the engine is started. To turn off DRL or AHS in Canadian Tahoe Police Package vehicles, your transmission must be in PARK (P) and the parking brake must be set. See your owner's manual for more information.

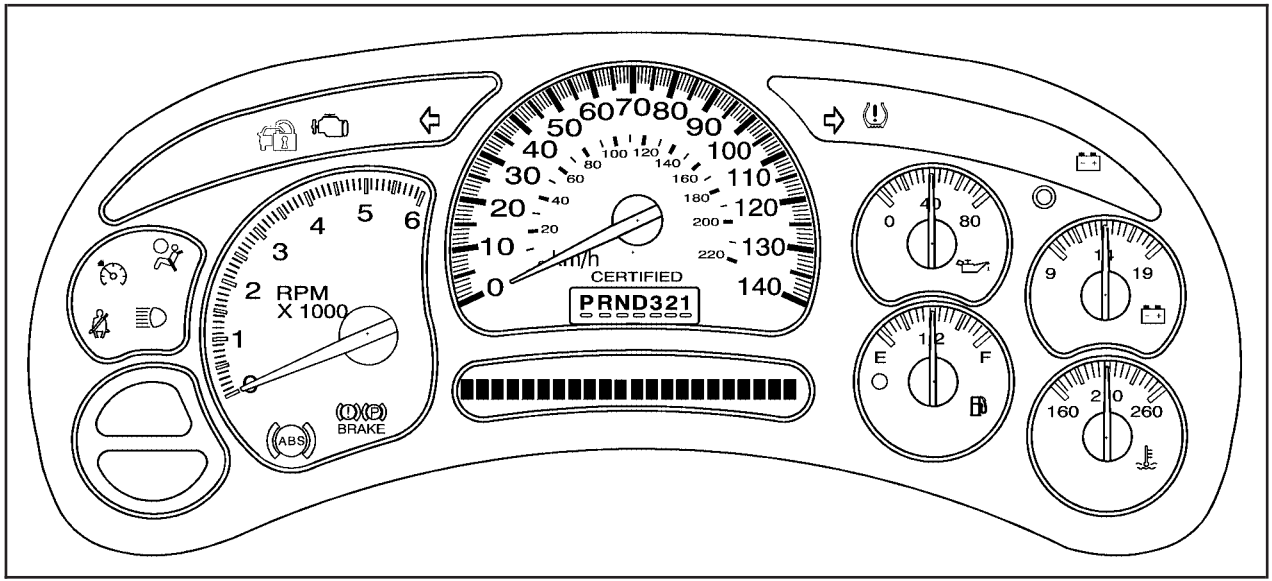
Your vehicle may have been built with SEO 9G8, DRL and AHS disable. This feature turns off DRL and AHS and requires manual control of the exterior lighting. See your dealer to restore the DRL and AHS to normal operation.

Warning Lights, Gages and Indicators

Instrument Panel Cluster

Tahoe Police Package and Special Service Package

The Tahoe Police Package instrument panel cluster is shown. The Tahoe Special Service Package instrument panel cluster is similar, except that the word "certified" is not displayed, the maximum speed displayed is lower and additional indicators may be present. See "Warning Lights, Gages and Indicators" in the Index of your Tahoe owner's manual for more information.



Tahoe Police Package - SEO PPV (United States version shown, Canada similar)

Speedometer and Odometer

Tahoe Police Package and Special Service Package

Your speedometer lets you see your speed in both miles per hour (mph) and kilometers per hour (km/h). Your odometer shows how far your vehicle has been driven, either in miles (United States) or kilometers (Canada).

The speedometer for the Tahoe Police Package (SEO PPV) displays a maximum vehicle speed of 140 mph (225 km/h). The speedometer for the Tahoe Special Service Package (SEO 5W4) displays a maximum vehicle speed of 120 mph (193 km/h). The Tahoe Special Service Package is not designed nor intended for use in high-speed emergency vehicle operations.

Driver Information Center (DIC)

Tahoe Police Package and Special Service Package

The Tahoe Police Package and Special Service Packages do not have a steering wheel with DIC buttons. You can turn off or acknowledge the available DIC messages by using the trip odometer reset stem located on the instrument panel cluster. See your owner's manual for additional information on the DIC.

Section 4 Driving Your Vehicle

Your Driving, the Road, and Your Vehicle

Loading Your Vehicle

Tahoe Police and Special Service Package

The information in this section of the supplement is for those who intend to install additional equipment to the police vehicle after it has left the factory, and for those who will be driving and loading the vehicle with passengers and/or cargo.

Two labels on your vehicle show how much weight it was designed to carry, the Tire and Loading Information label and the Certification/Tire label. These labels are attached to your vehicle and give you the maximum load capacity, the Gross Vehicle Weight Rating (GVWR) and the Gross Axle Weight Rating (GAWR) for your vehicle. See “Loading Your Vehicle” in your owner manual Index for additional loading information.

The following guidelines can help you with proper loading and load distribution when installing additional equipment on the Tahoe Police Package.

⚠ CAUTION:

Do not load your vehicle any heavier than the Gross Vehicle Weight Rating (GVWR), or either the maximum front or rear Gross Axle Weight Rating (GAWR). If you do, parts on your vehicle can break, and it can change the way your vehicle handles. These could cause you to lose control and crash. Also, overloading can shorten the life of your vehicle.

Adding Equipment to Your Vehicle

Before adding accessories or equipment to your police vehicle, there are some things you need to know

- The police vehicle's maximum capacity weight.
- The weight of your police vehicle, including a full tank of fuel but without a driver and passengers.
- The weight of items you plan on adding to your police vehicle, like roof mounted light bar(s), push bumpers, security barrier(s), rear storage organizer, highway flares, fire extinguishers, weapons, ammunition, radios, and video equipment.
- The weight and number of passengers you intend to carry in your vehicle.
- The total weight of any additional cargo you intend to carry in your vehicle.

When planning your vehicle equipment installation remember not to exceed the Gross Vehicle Weight Rating (GVWR) or the Gross Axle Weight Rating (GAWR) of the front or rear axles. To keep the available load weight less than the vehicle capacity weight, you may need to limit the number of passengers you carry in your vehicle or change your choice of additional equipment.

Center of Gravity (CG)

A vehicle's center of gravity is an imaginary location inside the vehicle and is a balance point for the vehicle mass as it moves down the road. The police vehicle's center of gravity, before you add a load and passengers, is approximately midway between the center of the axles, up from the ground to just below the front window, and between the driver and passenger.

Equipment location and weight on the vehicle's center of gravity is important to keep in mind when planning an installation. Heavy equipment should be positioned as low and as far forward in the rear load compartment as possible. Try to mount the equipment below the bottom of the side windows. Refer to the Loading Zone chart and diagram to help with your installation plan.

A procedure to make the necessary measurements and formulas to calculate the vehicle longitudinal, lateral and vertical position of the center of gravity can be found in the GM Coachbuilders Manual. Equipment required to conduct the measurements for calculating the center of gravity are:

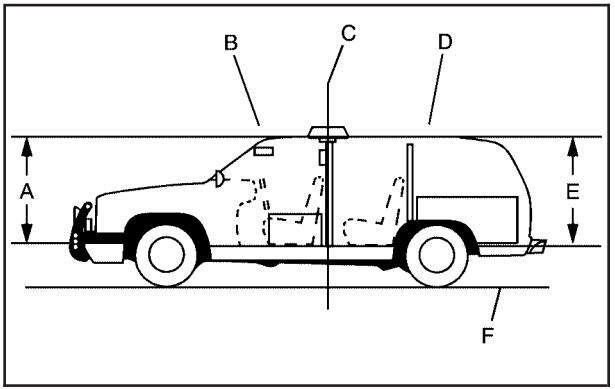
- Weight scales of sufficient capacity to measure the vehicle weight at each wheel.
- A post-type hoist or other means to safely elevate the front of the vehicle to at least an angle of 20 degrees above horizontal.

See your GM dealer to get more information about this coachbuilder procedure.

Keeping the center of gravity midway between the axles is also important to provide proper braking performance. About half the total vehicle weight on each axle is recommended.

Weigh your vehicle after the additional equipment has been installed to determine the actual weight of your vehicle. Weigh the vehicle with a full tank of fuel and without passengers. You may need to put a limit on how many people or other equipment you can carry inside your vehicle after the additional equipment has been installed.

Loading Zones



A. Front Floor to Roof Zone Area
B. Front Roof Zone Area
C. Back of Front Door
D. Rear Roof Zone Area
E. Rear Floor to Roof Zone Area
F. Ground

Loading Zone Weight Chart			
Loading Zones	**Front Axle Weight**	**Rear Axle Weight**	**Total**
Roof	29 lbs (13 kg)	41 lbs (19 kg)	70 lbs (32 kg)
Floor to Roof	108 lbs. (49 kg)	426 lbs. (193 kg)	534 lbs. (242 kg)
Total	137 lbs (62 kg)	465 lbs (211 kg)	604 lbs (274 kg)

Using heavier suspension components to get added durability might not change your weight ratings. Ask your dealer to help you load your vehicle the right way.

Towing

Towing a Trailer

The Tahoe Police Package (SEO PPV) is not intended to tow a trailer.

The Tahoe Special Service Package (SEO 5W4) can be equipped for trailer towing. See “Towing a Trailer” in the owner’s manual Index for more information. The Tahoe Special Service Package is not designed nor intended for use in high-speed emergency vehicle operations.

NOTES

Section 5 Service and Appearance Care

Checking Things Under the Hood

Brakes

Tahoe Police Package and Special Service Packages

All Tahoe Police Packages are equipped with a hydraulic brake booster system called Hydroboost™. The Hydroboost™ system uses the power steering pump to create braking assist pressure. See “Brakes” in your owner manual index for additional information on the brake system.

Dual Battery System - SEO 8Y9

Your vehicle may be equipped with a dual battery system. The two batteries are connected so that both supply battery power to the vehicle at the same time — they are connected in parallel. See “Battery” in your owner’s manual Index for additional information on batteries.

Tires

Tahoe Police and Special Service Packages

The Tahoe Police Package (SEO PPV) has P255/70R16 BW, H speed-rated tires. The Special Service Package (SEO 5W4) has LT245/75R16 WOL, S speed-rated tires. The Special Service Package is not designed nor intended for use in high-speed emergency vehicle operations.

Wheels

Metal hub caps are standard with SEO PPV. These caps are bolted to the wheels and do not require removal when rotating or removing the wheels. Loosening or tightening the decorative cap nuts can be done with the hub caps in place.

Tire Pressure Monitor System

The Tahoe Police and Special Service Packages are equipped with a Tire Pressure Monitor (TPM) system. Sensors are mounted on each tire and wheel assembly. Only the Tahoe Police Package (SEO PPV) has a TPM sensor in the full-size spare tire and wheel assembly. The TPM system will not monitor or display the spare tire's air pressure until it is installed onto one of the four tire/wheel positions on your vehicle.

Once installed, the spare tire's sensor code must be matched its new tire/wheel position on your vehicle. See "Tire Pressure Monitor System" in your owner manual Index for information about the TPM system.

NOTES

Section 14 Special Equipment Options

SEOs Standard with Police Package and Available with Special Service Package

Special Equipment Options Standard with Tahoe 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 smaller 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.**

Equipment Grounding Studs - Rear Compartment (SEO UT7)

Your Tahoe Police Package has grounding studs located at the lower driver's side and passenger's side rear compartment liftgate opening for connection to customer electrical equipment. A five foot (1.83 m) blunt cut length of #8 awg copper wire is coiled inside the jack storage compartment to permit grounding of electrical equipment that may be mounted forward in the rear compartment and behind the second row seatback. These grounding studs may have been ordered for your Tahoe Special Service Package.

Radio Suppression Grounding Straps (SEO UN9)

Your Tahoe Police Package is equipped with additional grounding straps in the following locations:

- Driver's side front frame body mount bracket to underbody
- Driver's side rear frame body mount bracket to rear underbody
- Passenger's side rear frame body mount bracket to rear underbody
- Passenger's side center frame body mount bracket to center underbody
- Exhaust pipe hanger rod to rear frame

These grounding straps may have been ordered for your Tahoe Special Service Package.

Wiring Provisions for 12-Volt Power Supply (SEO 9L4)

Your vehicle is equipped with wiring provisions for a 12-volt battery power supply. Refer to the following information when adding electrical accessories that will use the 12-volt power supply feeds connected to your vehicle's electrical system. The wiring harness is located in front of the glove compartment. The following information describes the fuse location and provides a wiring diagram to aid in connecting customer equipment. This wiring provision may have been ordered for your Tahoe Special Service Package.

Electrical Connections

Notice: **Before modifying or adding any wiring, be sure that it will work properly with your vehicle's wiring system. Because there are so many modifications that can be made for many different bodies and accessories, GM cannot take responsibility for any changes made. Such changes may not be covered by your GM Warranty. Have the work done by an experienced electrical technician.**

All wiring must be properly protected by fuses, etc. and must be routed properly so that it will not be cut, pinched or rubbed by other parts of the vehicle. Do not route wiring in areas where it will be very hot. Be sure not to overload the vehicle's wiring, connectors and components. All added wire must be at least the same size as the wire being attached to for proper fuse protection.

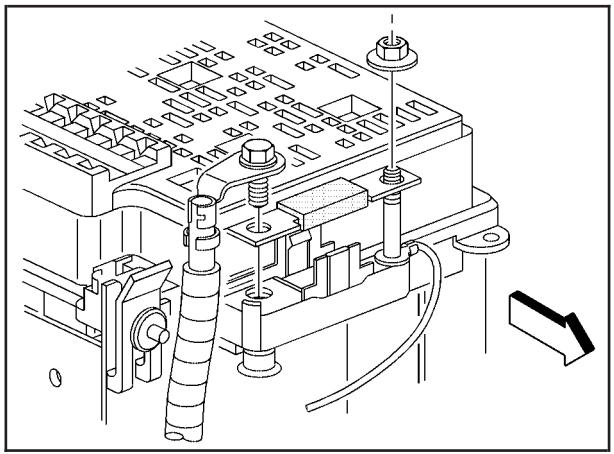
Installation Instructions — 12-Volt Accessory Power Supply

1. Disconnect the negative (–) battery cable at the battery. The negative (–) battery cable must be disconnected before the positive wiring lead is connected to the power accessory.
2. Locate the power supply harness under the instrument panel near the passenger's side of the vehicle. The wire bundle consists of the pink ignition (IGN), orange battery (BAT) and black negative (NEG) wire feeds.
3. Remove the tape to release the wire bundles from the power supply harness.
4. Remove the 40 amp MegaFuse that is taped to the wire bundle. Set aside for installation, after equipment wiring is complete.
5. Prepare the wires that are to be used to connect the power accessory. Do not remove the unused wires. Tape unused wires back in their original position under the instrument panel.
6. Complete the wiring installation of the customer added accessory with additional wire required for the specific electrical accessory power connection. The wire gauge, 12 gauge (3.0 mm), should be the same as the wiring of the installed harness.

7. The ignition must be turned to LOCK or ACCESSORY prior to attaching the cables to the battery, or serious damage to the Vehicle Control Module (VCM) may result.

   The windshield wiper switch and the radio must be turned off before attaching cables to the battery.

8. Disconnect the positive (+) battery cable at the underhood power distribution center. Remove the nut from the 8 mm stud (see illustration).
9. Install the 40 amp MegaFuse (from Step 4) in the front holder on the underhood power distribution center over the stud. Reinstall the positive (+) battery cable with the mounting screw through the MegaFuse terminal. Replace the 8 mm nut on the stud. Torque both the nut and screw to 1.3-2.7 lb.-ft (6-12 N•m).
10. Reconnect the negative (–) battery cable to the battery. Torque the bolt to 12.5 lb-ft. (17 N•m).
11. Reset the clock time and radio pushbuttons as desired.



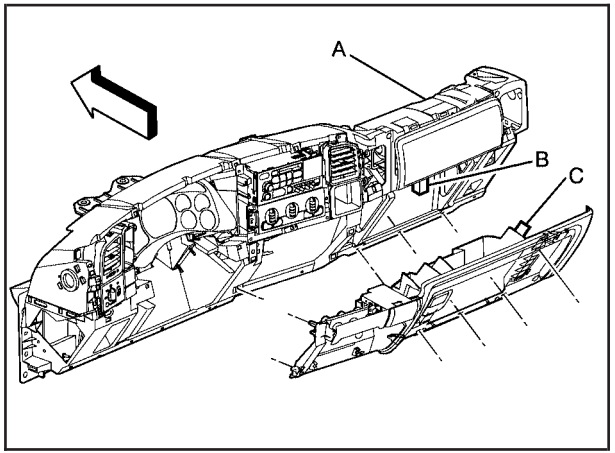
Underhood Power Distribution Center

The IGN A and IGN B connections have voltage supplied and are hot when the ignition is turned to ACCESSORY or RUN (pink color wire).

The BAT A and BAT B connections have voltage supplied and are hot at all times (orange color wire).

The combined electrical load of IGN A and BAT A must not exceed 21 amps (250 watts). Additionally, the combined electrical load of IGN B and BAT B must not exceed 21 amps (250 watts). The combined electrical load of all circuits must not exceed 28 amps (340 watts).

Servicing Relays and Fuses



Exploded View of Instrument Panel

A. Instrument Panel
B. Relay and Fuse Center
C. Stop Tab

The following information tells you how to access your vehicle's relay and fuse center for checking and replacing fuses.

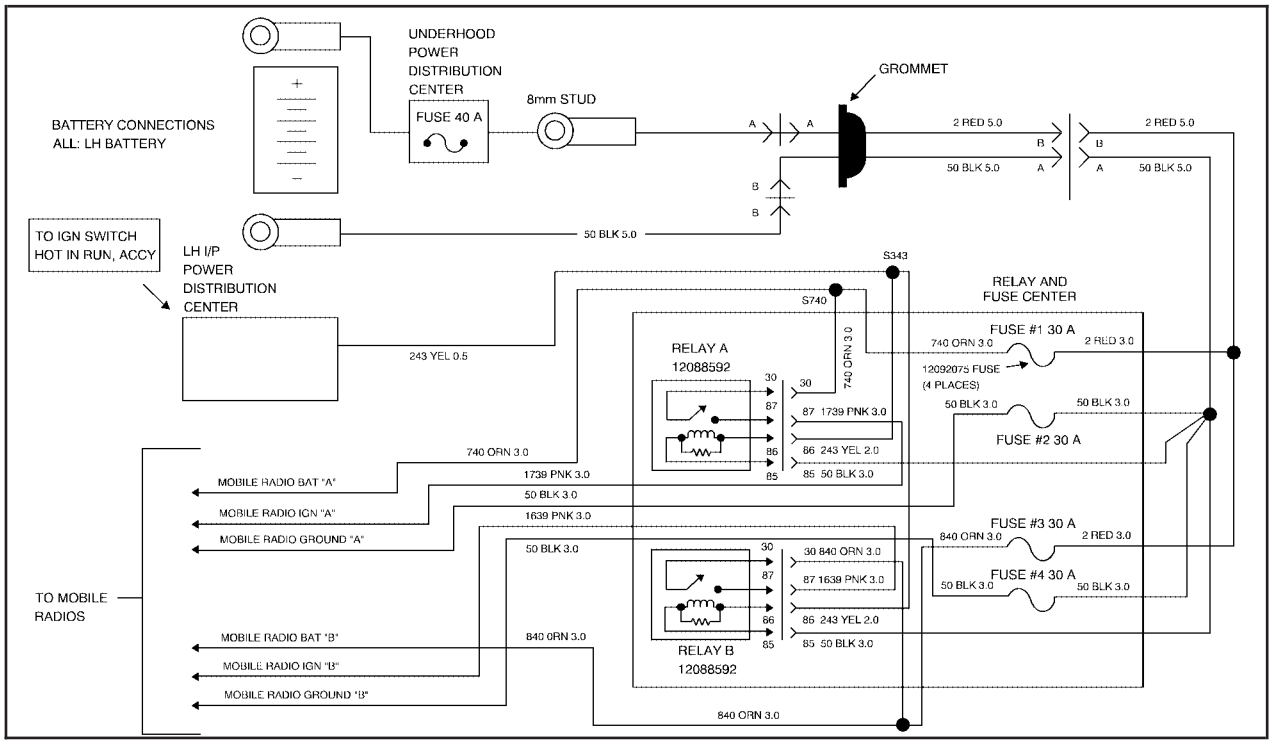
The fuse and relay center is located behind the instrument panel storage compartment. Remove contents from the storage tray. Push the right end of the tray inward to allow the stop tab to clear the compartment opening. Set the tray down gently toward the floor. It will hang from the hinge.

Additional access to the relay and fuse center can be gained by removing the center from the mounting bracket. Lift the lock tab on the bottom away from the bracket, then slide the center down the bracket about 0.39 inches (10 mm) until it can be lifted away.

Then, using a screwdriver, remove the relay and fuse center cover by lightly expanding the spring clips on each side of the cover. Replace the 30 amp mini fuse with a 30 amp mini fuse. Use a fuse puller if your vehicle has one. Replace a relay with a GM Part No. 12088592 relay, or equivalent.

After servicing the center, reinstall the relay center to the bracket. Engage the D slots, then push upward until the lock tab drops in place.

Reinstall the storage tray into the compartment by lifting it into the instrument panel. Push in on the right side to let the stop tab pass through the opening.



Wiring Provisions — 12-Volt Battery Power

SEOs Available with Police Package and Special Service Package

Inactive Rear Door Handles - SEO 6B2

Your vehicle may be equipped with inactive door handles. The rear doors can only be opened from the outside.

Inactive Rear Door Windows - SEO 6N5

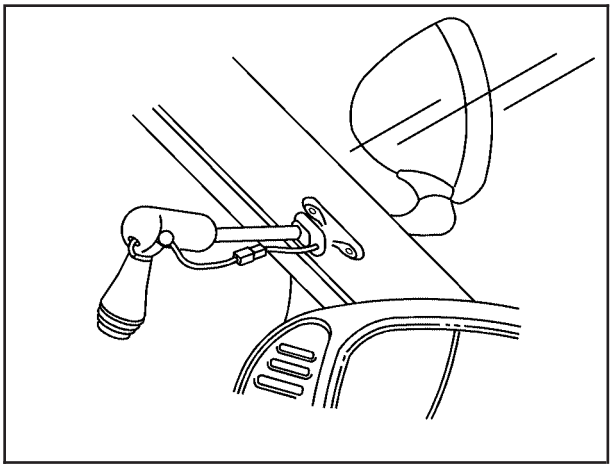
Your vehicle may be equipped with inactive rear door window control switches. Only the driver's power window switches can operate the rear windows.

Inactive Rear Door Locks - SEO 6N6

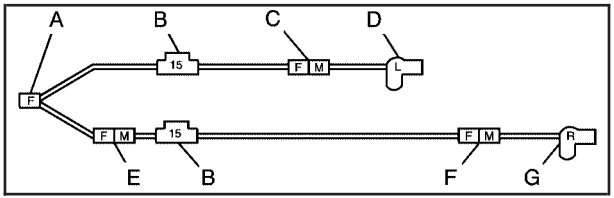
Your vehicle may be equipped with inactive rear door locks. The rear door locks do not lock or unlock at the door. Only the driver's power door lock switch locks or unlocks the rear door locks.

Spotlamp - SEO 7X6

Spotlamps - Windshield Pillar Mounted



A Unity Series 330, high intensity, 100 watt halogen (H3 bulb) six inch (15 cm) spotlamp is mounted in the left windshield pillar. The lamp is protected by an inline 15 amp fuse located in the left end of the instrument panel. See the service manual for lamp replacement procedures.



Spotlamp Harness - SEO 7X6, SEO 7X7

A. To INFO 12-way connector terminal D in driver's side convenience center left of steering column
B. Inline fuse holder with 15-amp mini fuses in driver's side of instrument panel
C. Connector at driver's side pillar
D. Driver's side spotlamp
E. Fuseholders in driver's side end of instrument panel
F. Connector at passenger's side pillar
G. Passenger's side spotlamp

Spotlamps - SEO 7X7

Spotlamps are mounted in the driver's and passenger's side windshield pillars. The lamps are protected by separate 15 amp fuses located on the driver's side of the instrument panel. For spotlamp bulb replacement procedures, see the appropriate section of the service manual.

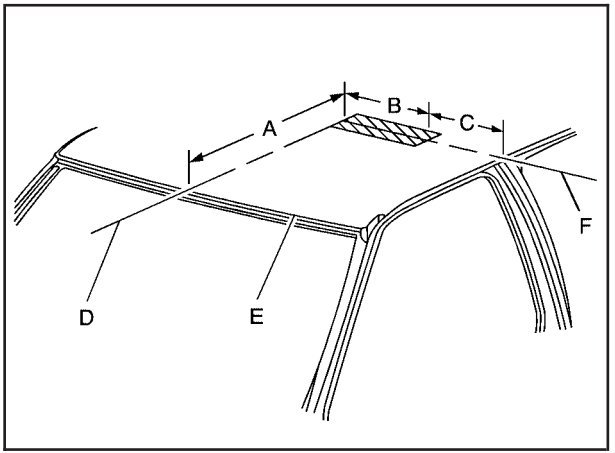
Wiring Provisions for Emergency Vehicle Roof Light - SEO 5G4

Battery power is supplied through a 30 amp fuse to a wiring harness located in the roof. Power is controlled with a switch located on the instrument panel. The customer or vehicle upfitter must complete the installation to an added accessory such as an emergency beacon lamp.

Maximum rated electrical load is 21 amps (250 watts). The added electrical requirements must not exceed 21 amps (250 watts). Running the accessory for long periods of time with the engine off may run the battery down.

Installation Instructions — Emergency Vehicle Roof Panel Lamp

Wiring to the accessory can be done by either directly connecting the wire in the roof to the accessory (Option A) or by using Wiring Harness Package part number 12150250 obtained from GM Service Parts (Option B).



A. 31.81 inches (808 mm)
B. 17.72 inches (450 mm)
C. 9.69 inches (246 mm)
D. Roof Centerline
E. Roof Edge
F. Centerline for Drilled Hole

1. Disconnect the negative (–) battery cable at the battery.
2. Make the electrical connections using either option A or option B.

Notice: **Pulling the wiring harness through a panel hole that has sharp edges may cause damage to the wire and/or wire insulation. Remove sharp edges from the panel hole before pulling the wire through it.**

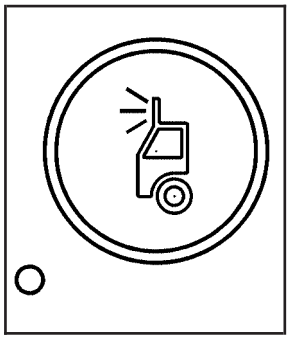
Option A: Roof Wires Directly to Accessory

1. Drill a 3/8 inch to 1/2 inch (10 to 13 mm) hole in the outer roof panel in the area shown in the illustration. The hole should only go through the outer panel. Remove all sharp edges from the drilled hole.
2. Pull out the wiring harness being careful to avoid scraping the insulation on the edge of the hole.
3. Extend the wiring harness to the accessory.
4. Connect the brown wire to the accessory hot terminal.
5. Connect the black wire to the accessory ground terminal.
6. Cover the hole in the roof with a durable sealant such as silicone rubber sealer.

Option B: Use Wiring Harness Package 12150250. Obtain from GM Service Parts through the GM Dealership

1. Drill a 1.25 inch (32 mm) hole in the outer roof panel in the area shown. The hole should only go through the outer panel. Remove all sharp edges from the drilled hole.
2. Pull out the wiring harness being careful to avoid scraping the insulation on the edge of the hole.
3. Cut the wire to length. Install terminals to wire ends and insert into the connector. The brown wire goes in cavity A and the black wire in cavity B. Push in the secondary lock to retain the wires.
4. Attach the harness assembly from the package to the accessory. Cover with the supplied conduit for added protection. Connect the orange wire to the accessory hot terminal and the black wire to the ground.
5. Complete the connection from the roof harness to the extension harness. Cover the mated connector with the supplied foam. Push the foam covered connection and excess wire through the roof panel hole.

Restoring Power



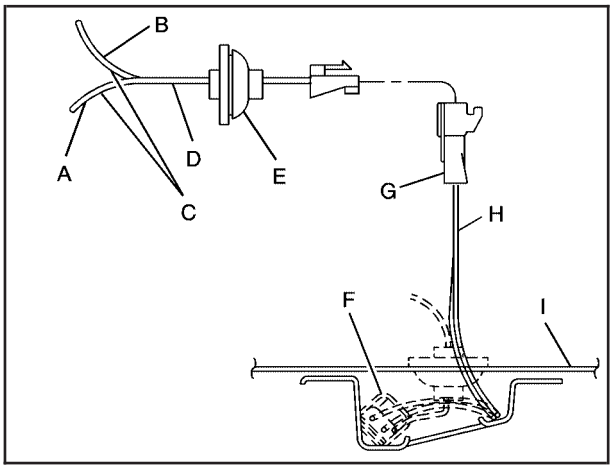
The auxiliary lamp switch is located on the center of the instrument panel near the climate controls.

This switch includes wiring provisions for a dealer or a qualified service center to install an auxiliary roof lamp.

When the switch wiring is connected to an auxiliary roof mounted lamp, pressing the switch will activate the lamp and illuminate an indicator light near the switch. Pressing the switch again will turn off the roof mounted lamp.

1. Be sure that the auxiliary lamp switch is off.
2. Vacate the vehicle and reconnect the battery cable.
3. Turn the auxiliary lamp switch on. The accessory should now be working. If it is not working, check the connections.
4. After ensuring that the accessory is working properly, install the grommet in the hole. Seal with silicone sealer to prevent water leakage.

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.**



Option B

A. Black Wire
B. Orange Wire
C. To Roof Mounted Lamp
D. Harness Assembly
E. Grommet (Roof)
F. Foam Insulator (Adhesive-Backed)
G. Harness Connector, Secondary Lock and Terminal
H. Brown Black Wire
I. Vehicle Outer Roof Panel

Maintenance

The circuit is fed from the #2 post on the underhood electrical center and protected by the fuse labeled #2 post located in the electrical center. Always replace the fuse with a 30 amp maxi-fuse.

NOTES

A

B

C

E

I

O

Q

R

S

T

W