2011

CHEVROLET MUNICIPAL VEHICLES TECHNICAL MANUAL

REVISED 1/24/10

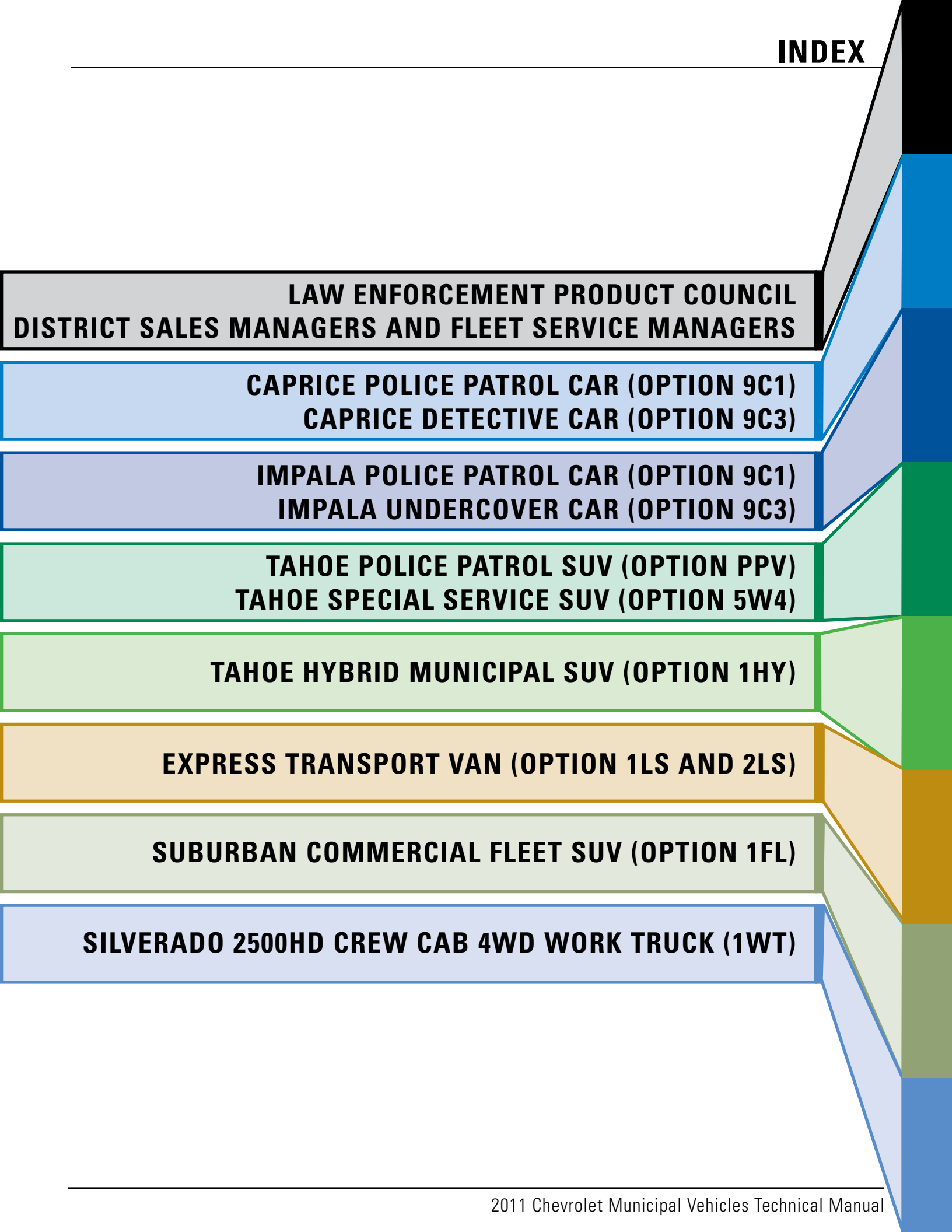
About This Publication

- Care must be taken during customer installation of equipment and wiring to ensure that all holes drilled in the body are corrosion protected, properly sealed and that vehicle wiring harnesses, piping or other components have not been displaced or damaged. Aftermarket equipment installers must be mindful of applicable Federal Motor Vehicle Safety Standards. This information can be obtained directly from the National Highway Traffic Safety Administration.

- These vehicles are equipped with an air bag system. The air bag system in your police vehicle includes side curtain air bags. Customer installed equipment such as security barriers behind the front seats should not be mounted so that the barrier ends are within the side air bag deployment zones. The sensors and other components for the air bag system must not be relocated to accommodate the installation of customer furnished equipment; please refer to the service manual for sensor and other component locations. For information concerning instrument panel top pad mounted equipment and air bag system deployment zones, see the air bag information section in this catalog.

- This catalog is not updated during the model year and should not be used for ordering purposes. It is intended as a source of basic information. All illustrations and specifications in this literature are based on the latest product information available at the time of publication. General Motors reserves the right to make changes at any time without notice. For further details, consult your local dealer.

- A note about vehicle alterations by independent suppliers: This catalog shows pictures of vehicles that have been altered or upfitted with equipment or components supplied to Chevrolet or its dealers by independent suppliers. Chevrolet is not responsible for the safety or quality of design features, materials or workmanship of any alterations by a supplier.



LAW ENFORCEMENT PRODUCT COUNCIL

Mission Statement

To pledge an integrated partnership between General Motors and Law Enforcement. Together, we will identify, evaluate and promote enhancements to products and relationships that address the vehicle requirements of the Law Enforcement Community.

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LEPC members are available to all of law enforcement for questions, comments, or ideas you wish to convey to General Motors.

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Concept model shown. Production model may vary. Shown with equipment from an independent supplier and is not covered by the GM New Vehicle Limited Warranty. GM is not responsible for the safety or quality of independent supplier alterations.

This vehicle has been designed for police work up to and including high speed emergency vehicle operations.
GM restricts the sale of police vehicles and they are not to be sold to retail customers.

MODEL AVAILABILITY

1EW19 - 9C1	Rear-wheel drive

STANDARD EQUIPMENT SUMMARY

WARRANTY	3 years / 36,000 mile bumper-to-bumper limited warranty (whichever comes first, see dealer for details) 5 years / 100,000 mile powertrain limited warranty (whichever comes first, see dealer for details)

INTERIOR FEATURES

AIR CONDITIONING	Dual-zone electronic climate control with pollen air filtration
BOTTLE HOLDER	Bottle holder in the front doors
CRUISE CONTROL	Electronic with set and resume speed
DOME LAMPS	Front and rear dome lamps (excludes map lamps)
FLOOR COVERING	Carpeted (front and rear carpeted floor mats are available; see option B34. Option 6A3 heavy-duty vinyl floor covering available, requires AEH vinyl rear seat; see page 9)
GLASS	Tinted windshield and Solar-Ray glass, driver and front passenger door
GLOVE BOX LAMP	**Standard**
MIRROR, REARVIEW	Inside rearview includes compass
RADIO	AM/FM stereo, seek-scan, single CD supports MP3/WMA, auto-tune with two tweeters, two front door speakers and two rear door speakers
RESTRAINT SYSTEM	Safety belts with dual stage driver and passenger frontal air bags[1], passenger sensing system and frontal air bag[1] ON/OFF indicator; head curtain air bags[1] for driver and front passenger and front seat back mounted thorax air bags[1] (combined front and rear head curtain air bags[1] are available; see option AY0 on page 9) **Note: Safety belt extenders are available in 9 inch (part number 89027366) and 15 inch (part number 89027367) through your dealer at no charge**
SEAT, FRONT	Cloth bucket seats with heavy-duty foam, sculptured for gun belts, high-wear fabric bolsters and seat back security panel; 8-way power driver with reclining seat back and lumbar control with quick adjust manual fore and aft movement. Passenger power 4-way adjuster, manual fore and aft movement with manual recline and lumbar optional 8-way passenger power seat available (see option A6F on page 9)
SEAT, REAR	Cloth bench (vinyl rear seat available; see option AEH on page 9, requires 6A3 heavy-duty vinyl floor covering)
SHIFT LEVER	Floor mounted without console with shift lever offset and shortened shift lever handle **(see page 12 for picture)** 10 inches of open floor space between front seats for after market supplied equipment consoles
SMOKER'S PACKAGE	Not available
SPEEDOMETER/CLUSTER	160 mph certified analog, 1 mph increments, 1 mph redundant digital speed display with trip odometer, warning lamps and Multifunction Display with Engine Oil Life Monitor
STEALTH MODE	**See exterior lamps control on page 12 for operation and description**
STEERING WHEEL	Tilt and telescoping with audio controls
THEFT DETERRENT	Vehicle theft PASS-Key® III+
TRAP SPEED FEATURE	Traps (stores) certified vehicle speed in digital speedometer via steering wheel controls when following another vehicle
VISOR	Driver and passenger with covered mirrors, not illuminated
WARNING LIGHTS	Brake, safety belt, air bag, anti-lock brake and check engine, StabiliTrak, high beam, cruise control
WARNING TONES	Key-in-ignition, driver door open and safety belt reminder chime
WINDOW OPERATION	Power front and rear, automatic down front only with rear window lockout (controls located on front door panels)

ELECTRICAL FEATURES

AUXILIARY POWER, FRONT	110-amp ignition and main power supply wiring harness under lower right side of instrument panel. One 50-amp battery power circuit and two 30-amp relay controlled circuits are in a five foot coil provided for customer connection. Included in the harness are signal circuits for ignition power (HOT in START/RUN and ACCESSORY/RUN), vehicle radio mute, vehicle speed signal and park-enable
AUXILIARY POWER, TRUNK	120-amp auxiliary power available in trunk
GROUND STUD	Auxiliary, located in trunk
POWER OUTLETS	One located on instrument panel
WIRING PROVISIONS FOR:	
EXTERIOR LAMPS FLASHING	Forward lamp in-line connector for Exterior Lamp Flashing System (see option 6J7 on page 9)
RADIO MUTE	A circuit is provided to mute the vehicle radio when a customer ground is applied (see Caprice wiring diagram section for details)

1. Head curtain side air bags are designed to help reduce the risk of head and neck injuries to front and rear seat occupants on the near side of certain side-impact collisions. Always use safety belts and the correct child restraints for your child's age and size, even in vehicles equipped with air bags. Children are safer when properly secured in a rear seat. See your vehicle Owner's Manual and child safety seat instructions for more information.

EXTERIOR FEATURES

ANTENNA	Radio, roof mounted (center of roof near rear window)
DEFOGGER	Electric, rear window
DOOR LOCKS	Power door locks (automatic door locking and unlocking feature is disabled, customer can reprogram to enable feature; to enable feature see owner's manual for programmable instructions). Keylock cylinder not available on passenger front door; child safety locks in rear door
HEADLAMPS	Halogen, automatic lamp control with daytime running lamps. (For daytime running lamps delete see option VVS on page 9)
KEYLESS ENTRY	Includes two integrated keys and FOBs; the keyless entry system used on the Police Caprice includes a stealth mode feature. When the "unlock" or "lock" button is depressed, no exterior lamps or audible sounds are activated; however, the interior standard equipment dome lamp will illuminate at night unless option 7Y6, inoperative dome and courtesy lamps, is ordered (for additional transmitters option AMF must also be ordered)
KEYS	2 keys with integrated remote keyless entry, side milled, two-sided, random code for ignition, driver door and trunk; options 6E3 or 6E4 available for single key locking of entire fleet.
LICENSE PLATE FRONT	Mounting hardware included
MIRRORS, OUTSIDE REARVIEW	Black, electric left hand and right hand remote with manual folding (heated available; see option DR9 on page 9)
ONSTAR	Not available
PAINT	Base coat/clear coat
TRUNK LAMP	Standard
TRUNK RELEASE	Electric, ignition controlled switch, located on instrument panel, with keylock cylinder on trunk lid
UNDER HOOD LAMP	Not available
WINDSHIELD WIPERS	Intermittent, 2-speed with variable dwell and vehicle speed dependant

CHASSIS FEATURES

ALTERNATOR	170-amp, with idle boost (transmission in PARK or NEUTRAL) controlled by battery energy level sensing
AXLE	2.92 axle ratio with limited slip
BATTERY	700 cca with battery rundown protection located in trunk (optional auxiliary 600 cca, 70-amp hour rating battery for accessory equipment is available; see option K4S on page 9)
BODY	Body frame integral (unibody)
BRAKES	Power 4-wheel anti-lock heavy-duty disc brakes with police calibration
COOLING	Electric cooling fans; coolant hoses are EPDM (ethylene-propylene-diene monomer); coolant is DEX-COOL good for 5 years/150,000 miles (maintenance needs vary with different uses and driving conditions, see the owner's manual for more information), protects from -34° F to +265° F and against rust and corrosion
CHASSIS LUBRICATION	Lubed-for-life chassis
ENGINE	6.0L V8 with FlexFuel[2] (gas or E85 ethanol) Active Fuel Management™; includes wide open throttle air conditioning cut off (when overhead lamps, spotlamps, radio antennas, sirens, and other emergency equipment are installed, overall performance may be reduced)
ENGINE CRADLE	Steel
EXHAUST SYSTEM	Stainless steel, dual
FUEL TANK CAPACITY	19 gallons (71.6 Liters), approximate
OIL COOLERS	Engine, transmission and power steering
RADIO SUPPRESSION	Extended life - iridium tip spark plugs and wires that are designed to reduce radio frequency noise levels which may affect communications equipment including operating frequencies in the 38-MHz to 58-MHz range. The Caprice is designed with unibody construction, and multiple grounding points are provided for the vehicle electrical system. No additional ground straps are added for the Police Package
STABILITRAK	Stability enhancement system includes police performance mode activated by switch
STARTER INTERRUPT	Prevents starter from engaging while the engine is running
STEERING	Power, rack and pinion
SUSPENSION	4-wheel independent with coil springs, front and rear stabilizer bars. Patrol vehicle specific shock, spring and stabilizer bar tuning
TIRES	P235/50R18 blackwall with compact spare (full-size spare is available; see option QQ5 on page 9)
TIRE PRESSURE MONITOR	CHECK TIRE PRESSURE will show on driver message center (excludes spare tire)
TRACTION CONTROL	Deactivated when police performance mode is engaged
TRANSMISSION	6-speed automatic, electronically-controlled transmission provides protection against over-revving the engine in low gear; if a driver manually selects low gear and fails to manually upshift to high gear, the powertrain control module automatically protects the drivetrain. Includes sport shift mode where maximum engine power and transmission responsiveness is required. When in sport shift mode, the transmission will delay upshifts and allow earlier downshifts
WHEELS	18" x 8" heavy-duty steel
WHEEL CENTER CAP	Bolt-on pressed/forged aluminium

2. E85 is 85% ethanol and 15% gasoline. To see if there is an E85 station near you, go to www.gmaltfuel.com/e85-station-locator.

POWERTRAIN

ENGINE				TRANSMISSION		AXLE	
OPTION CODE	TYPE	DISPLACEMENT LITERS/CU. IN.	FUEL SYSTEM	OPTION CODE	TYPE	OPTION CODE	RATIO
L77	V8	6.0/364	E85 FlexFuel[2] or gasoline Active Fuel Management™	MXO/MYC	6L80 6-speed auto. with OD	GW8	2.92
						G80	Limited slip

EMISSIONS - MUST BE SPECIFIED

FE9	FEDERAL EMISSIONS. Use for ordering vehicles that will be registered in all states except California, Connecticut, Maine, Maryland, Massachusetts, New Jersey, New Mexico, New York, Oregon, Pennsylvania, Rhode Island, Vermont and Washington State
YF5	CALIFORNIA EMISSIONS. Use for ordering vehicles that will be registered in California.
NE1	CT/ME/MD/MA/NJ/NM/NY/OR/PA/RI/VT/WA EMISSIONS. Use for ordering vehicles that will be registered in Connecticut, Maine, Maryland, Massachusetts, New Jersey, New Mexico, New York, Oregon, Pennsylvania, Rhode Island, Vermont or Washington State
NB8	Required when option code FE9 "FEDERAL EMISSIONS" is ordered for delivery to a dealer located in California, Connecticut, Massachusetts, Maryland, New Jersey, New Mexico, New York, Oregon, Pennsylvania, Rhode Island and Washington State for a purchaser who will be registering the vehicle outside California, Connecticut, Maine, Maryland, Massachusetts, New Jersey, New Mexico, New York, Oregon, Pennsylvania, Rhode Island, Vermont and Washington State.
NC7	Required when option code YF5 "CALIFORNIA EMISSIONS" or option code NE1 "CT/ME/MD/MA/NJ/NM/NY/OR/PA/RI/VT/WA EMISSIONS" is ordered for delivery to a dealer located in any state except California, Connecticut, Maine, Maryland, Massachusetts, New Jersey, New Mexico, New York, Oregon, Pennsylvania, Rhode Island, Vermont and Washington for a purchaser who will be registering the vehicle in one of these states or sold as permitted below under "EPA Policy on the Sale of California Emission Vehicles"
NB9	Required when option code YF5 is ordered for delivery to a dealer located in Connecticut, Maine, Maryland, Massachusetts, New Jersey, New Mexico, New York, Oregon, Pennsylvania, Rhode Island, Vermont and Washington. Required when option code NE1 is ordered for delivery to a dealer located in California.

TIRES - SPEED RATED

MANUFACTURER	QUANTITY	SIZE	SPEED RATING	TYPE
Goodyear	4	P235/50R18	W	All season

Note: *• Compact spare is standard (full-size spare is available see option QQ5 on page 9)*
• Due to specific requirements for performance, durability and safety, GM recommends only the original equipment tire for replacement

SEATS AND INTERIOR TRIM

		SEAT OPTIONS	ONYX
STANDARD	Front: Cloth buckets Rear: Cloth bench	AAW	4BB
OPTIONAL	Front: Cloth buckets Rear: Vinyl bench (includes 6A3 heavy-duty vinyl floor covering)	AEH	4BB

AVAILABLE EXTERIOR COLORS

Heron White | Red Hot | Karma Metallic | Phantom Black Metallic | Mirage Gold Metallic | Silver Ice Metallic | Alto Grey Metallic

Actual colors may vary

2. E85 is 85% ethanol and 15% gasoline. To see if there is an E85 station near you, go to www.gmaltfuel.com/e85-station-locator

CAPRICE DETECTIVE POLICE PACKAGE – 9C3 I5

This vehicle has been designed for police work up to and including high speed emergency vehicle operations.
GM restricts the sale of police vehicles and they are not to be sold to retail customers.

MODEL AVAILABILITY

1EW19 - 9C3	Rear-wheel drive

STANDARD EQUIPMENT SUMMARY

WARRANTY	3 years / 36,000 mile bumper-to-bumper limited warranty (whichever comes first, see dealer for details) 5 years / 100,000 mile powertrain limited warranty (whichever comes first, see dealer for details)

INTERIOR FEATURES

AIR CONDITIONING	Dual-zone electronic climate control with pollen air filtration
CONSOLE	Center floor with center shifter and armrest **(see page 12 for picture)**
CRUISE CONTROL	Electronic with set and resume speed
CUP HOLDER	Cup holder in console and bottle holder in the front doors
DOME LAMPS	Front and rear dome lamps (excludes map lamps)
FLOOR COVERING	Carpeted (front and rear carpeted floor mats are available see option B34 on page 9)
GLASS	Tinted windshield and Solar-Ray glass, driver and front passenger doors only
GLOVE BOX LAMP	**Standard**
MIRROR, REARVIEW	Inside rearview includes compass
RADIO	AM/FM stereo, seek-scan, single CD supports MP3/WMA, auto-tune with two tweeters, two front door speakers and two rear door speakers
RESTRAINT SYSTEM	Safety belts with dual stage driver and passenger frontal air bags[1], passenger sensing system and frontal air bag[1] ON/OFF indicator; head curtain air bags[1] for driver and front passenger and front seat back mounted thorax air bags[1] (combined front and rear head curtain air bag[1]s are available; see option AY0 on page 9) **Note: Safety belt extenders are available in 9 inch (part number 89027366) and 15 inch (part number 89027367) through your dealer at no charge**
SEAT, FRONT	Cloth bucket seats with heavy-duty foam, sculptured for gun belts, high-wear fabric bolsters and seat back security panel; 8-way power driver with reclining seat back and lumbar control with quick adjust manual fore and aft movement. Passenger power 4-way adjuster, manual fore and aft movement with manual recline and lumbar optional 8-way passenger power seat available (see option A6F on page 9)
SEAT, REAR	Cloth bench (vinyl rear seat not available)
SMOKER'S PACKAGE	Not available
SPEEDOMETER/CLUSTER	160 mph certified analog, 1 mph increments, 1 mph redundant digital speed display with trip odometer, warning lamps and multifunction display with engine oil life monitor
STEERING WHEEL	Tilt and telescoping with audio controls
STEALTH MODE	**See exterior lamps control on page 12 for operation and description**
THEFT DETERRENT	Vehicle theft PASS-Key® III+
TRAP SPEED FEATURE	Traps (stores) certified vehicle speed in digital speedometer via steering wheel controls when following another vehicle
VISOR	Driver and passenger with covered mirrors
WARNING LIGHTS	Brake, safety belt, air bag, anti-lock brake and check engine, StabiliTrak, high beam, cruise control
WARNING TONES	Key-in-ignition, driver door open and safety belt reminder chime
WINDOW OPERATION	Power front and rear, automatic down front only with rear window lockout (switches located on floor console)

ELECTRICAL FEATURES

AUXILIARY POWER, FRONT	110-amp ignition and main power supply wiring harness under lower right side of instrument panel. One 50-amp battery power circuit and two 30-amp relay controlled circuits are in a five foot coil provided for customer connection. Included in the harness are signal circuits for ignition power (HOT in START/RUN and ACCESSORY/RUN), vehicle radio mute, vehicle speed signal and a park-enable
AUXILIARY POWER, TRUNK	120-amp auxiliary power available in trunk
GROUND STUD	Auxiliary, located in trunk
POWER OUTLETS	Two auxiliary power outlets for additional plug-in equipment located on center console
WIRING PROVISIONS FOR:	
EXTERIOR LAMPS FLASHING	Forward lamp in-line connector for Exterior Lamp Flashing System (see option 6J7 on page 9)
RADIO MUTE	A circuit is provided to mute the vehicle radio when a customer ground is applied (see Caprice wiring diagram section for details)

1. Head curtain side air bags are designed to help reduce the risk of head and neck injuries to front and rear seat occupants on the near side of certain side-impact collisions. Always use safety belts and the correct child restraints for your child's age and size, even in vehicles equipped with air bags. Children are safer when properly secured in a rear seat. See your vehicle Owner's Manual and child safety seat instructions for more information.

EXTERIOR FEATURES

ANTENNA	Radio, roof mounted (center of roof near rear window)
DEFOGGER	Electric, rear window
DOOR LOCKS	Power door locks (automatic door locking and unlocking feature is disabled, customer can reprogram to enable feature; to enable feature see owner's manual for programmable instructions). Keylock cylinder not available on passenger front door; child safety locks in rear door
HEADLAMPS	Halogen, automatic lamp control with daytime running lamps. (For daytime running lamps delete see option VVS on page 9)
KEYLESS ENTRY	Includes two integrated keys and FOBs; the keyless entry system used on the Police Caprice includes a stealth mode feature. When the "unlock" or "lock" button is depressed, no exterior lamps or audible sounds are activated; however, the interior standard equipment dome lamp will illuminate at night unless option 7Y6, inoperative dome and courtesy lamps, is ordered (for additional transmitters option AMF must also be ordered)
KEYS	2 keys with integrated remote keyless entry, side milled, two-sided, random code for ignition, driver door and trunk; options 6E3 or 6E4 available for single key locking of entire fleet
LICENSE PLATE FRONT	Mounting hardware included
MIRRORS, OUTSIDE REARVIEW	Black, electric left hand and right hand remote with manual folding (heated available; see option DR9 on page 9)
ONSTAR	Not available
PAINT	Base coat/clear coat
TRUNK LAMP	Standard
TRUNK RELEASE	Electric, ignition controlled switch, located on instrument panel, with keylock cylinder on trunk lid
UNDER HOOD LAMP	Not available
WINDSHIELD WIPERS	Intermittent, 2-speed with variable dwell and vehicle speed dependant

CHASSIS FEATURES

ALTERNATOR	170-amp, with idle boost (transmission in PARK or NEUTRAL) controlled by battery energy level sensing
AXLE	2.92 axle ratio with limited slip
BATTERY	700 cca with battery rundown protection located in trunk (optional auxiliary 600 cca battery, 70-amp hour rating for accessory equipment is available; see option K4S on page 9)
BODY	Body frame integral (unibody)
BRAKES	Power 4-wheel anti-lock heavy-duty disc brakes with police calibration
COOLING	Electric cooling fans; coolant hoses are EPDM (ethylene-propylene-diene monomer); coolant is DEX-COOL good for 5 years/150,000 miles (maintenance needs vary with different uses and driving conditions, see the owner's manual for more information), protects from -34° F to +265° F and against rust and corrosion
CHASSIS LUBRICATION	Lubed-for-life chassis
ENGINE	6.0L V8 with FlexFuel[2] (gas or E85 ethanol) Active Fuel Management™; includes wide open throttle air conditioning cut off (when overhead lamps, spotlamps, radio antennas, sirens, and other emergency equipment are installed, overall performance may be reduced)
ENGINE CRADLE	Steel
EXHAUST SYSTEM	Stainless steel, dual
FUEL TANK CAPACITY	19 gallons (71.6 Liters), approximate
OIL COOLERS	Engine, transmission and power steering
RADIO SUPPRESSION	Extended life - iridium tip spark plugs and wires that are designed to reduce radio frequency noise levels which may affect communications equipment including operating frequencies in the 38-MHz to 58-MHz range. The Caprice is designed with unibody construction, and multiple grounding points are provided for the vehicle electrical system. No additional ground straps are added for the Police Package
STABILITRAK	Stability enhancement system includes police performance mode activated by switch
STARTER INTERRUPT	Prevents starter from engaging while the engine is running
STEERING	Power, rack and pinion
SUSPENSION	4-wheel independent with coil springs, front and rear stabilizer bars. Patrol vehicle specific shock, spring and stabilizer bar tuning
TIRES	P235/50R18 blackwall with compact spare (full-size spare is available; see option QQ5 on page 9)
TIRE PRESSURE MONITOR	CHECK TIRE PRESSURE will show on driver message center (excludes spare tire)
TRACTION CONTROL	Deactivated when police performance mode is engaged
TRANSMISSION	6-speed automatic, electronically-controlled transmission provides protection against over-revving the engine in low gear; if a driver manually selects low gear and fails to manually upshift to high gear, the powertrain control module automatically protects the drivetrain. Includes sport shift mode where maximum engine power and transmission responsiveness is required. When in sport shift mode, the transmission will delay upshifts and allow earlier downshifts
WHEELS	18" x 8" heavy-duty steel
WHEEL COVER	Full wheel covers

2. E85 is 85% ethanol and 15% gasoline. To see if there is an E85 station near you, go to www.gmaltfuel.com/e85-station-locator.

POWERTRAIN

ENGINE				TRANSMISSION		AXLE	
OPTION CODE	TYPE	DISPLACEMENT LITERS/CU. IN.	FUEL SYSTEM	OPTION CODE	TYPE	OPTION CODE	RATIO
L77	V8	6.0/364	E85 FlexFuel[2] or gasoline Active Fuel Management™	MXO/MYC	6L80 6-speed auto. with OD	GW8	2.92
						G80	Limited slip

EMISSIONS - MUST BE SPECIFIED

FE9	FEDERAL EMISSIONS. Use for ordering vehicles that will be registered in all states except California, Connecticut, Maine, Maryland, Massachusetts, New Jersey, New Mexico, New York, Oregon, Pennsylvania, Rhode Island, Vermont and Washington State
YF5	CALIFORNIA EMISSIONS. Use for ordering vehicles that will be registered in California.
NE1	CT/ME/MD/MA/NJ/NM/NY/OR/PA/RI/VT/WA EMISSIONS. Use for ordering vehicles that will be registered in Connecticut, Maine, Maryland, Massachusetts, New Jersey, New Mexico, New York, Oregon, Pennsylvania, Rhode Island, Vermont or Washington State
NB8	Required when option code FE9 "FEDERAL EMISSIONS" is ordered for delivery to a dealer located in California, Connecticut, Massachusetts, Maryland, New Jersey, New Mexico, New York, Oregon, Pennsylvania, Rhode Island and Washington State for a purchaser who will be registering the vehicle outside California, Connecticut, Maine, Maryland, Massachusetts, New Jersey, New Mexico, New York, Oregon, Pennsylvania, Rhode Island, Vermont and Washington State.
NC7	Required when option code YF5 "CALIFORNIA EMISSIONS" or option code NE1 "CT/ME/MD/MA/NJ/NM/NY/OR/PA/RI/VT/WA EMISSIONS" is ordered for delivery to a dealer located in any state except California, Connecticut, Maine, Maryland, Massachusetts, New Jersey, New Mexico, New York, Oregon, Pennsylvania, Rhode Island, Vermont and Washington for a purchaser who will be registering the vehicle in one of these states or sold as permitted below under "EPA Policy on the Sale of California Emission Vehicles"
NB9	Required when option code YF5 is ordered for delivery to a dealer located in Connecticut, Maine, Maryland, Massachusetts, New Jersey, New Mexico, New York, Oregon, Pennsylvania, Rhode Island, Vermont and Washington. Required when option code NE1 is ordered for delivery to a dealer located in California.

TIRES - SPEED RATED

MANUFACTURER	QUANTITY	SIZE	SPEED RATING	TYPE
Goodyear	4	P235/50R18	W	All season

Note: *• Compact spare is standard (full-size spare is available see option QQ5 on page 9)*
• Due to specific requirements for performance, durability and safety, GM recommends only the original equipment tire for replacement

SEATS AND INTERIOR TRIM

		SEAT OPTIONS	ONYX
STANDARD	Front: Cloth buckets Rear: Cloth bench	AAW	4BB

AVAILABLE EXTERIOR COLORS

Heron White | Red Hot | Karma Metallic | Phantom Black Metallic | Mirage Glow Metallic | Silver Ice Metallic | Alto Gray Metallic

Actual colors may vary

2. E85 is 85% ethanol and 15% gasoline. To see if there is an E85 station near you, go to www.gmaltfuel.com/e85-station-locator.

AY0	**AIR BAG[1], HEAD CURTAIN ROOF RAIL MOUNTED** - Combined front and rear passenger
K4S	**BATTERY, AUXILIARY** - Optional 600 cca, 70-amp hour battery to power customer installed equipment. The auxiliary battery is connected to the charging system through an isolation relay to prevent emergency equipment electrical loads from depleting the vehicle primary battery if the engine is not running and the ignition is OFF. Located in trunk
VVS	**DELETE DAYTIME RUNNING LAMPS AND AUTOMATIC HEADLAMPS**
6J7	**FLASHER SYSTEM, HEADLAMP AND TAIL LAMP** - DRL compatible, headlamp flasher module with wiring provisions to the front compartment for ON-OFF control and optional separate flashing of front and rear lamps
6A3	**FLOOR COVERING** - Heavy-duty vinyl replaces production carpeting, (carpeted mats not available); included with AEH vinyl rear seat (not available on 9C3)
6B7	**HOLE IN ROOF** - On center line (not available with 6J5 hole) with sealing harness grommet in roof hole
6J5	**HOLE IN ROOF** - On passenger side (not available with 6B7 hole) with sealing harness grommet in roof hole
AMF	**KEYS** - 6 keys, unless key common 6E3 or 6E4 is ordered, with integrated remote keyless entry; includes remote vehicle start if option BTV is ordered. Transmitters are not programmed. Each transmitter **including the two standard with the vehicle, must be programmed together** by the customer or by a dealer at customer expense. Transmitter programming is not a warranty item. See you owner's manual for additional programming information note: Common frequency keyless entry for fleet keyed vehicles not available; each fleet keyed vehicle will have a different keyless entry frequency (key cutting and remote programming available through dealer purchase with Kerr Industries)
6E3	**KEYS COMMON** - Complete vehicle fleet, provides a single key with a specific code that is common to the door locks and ignition for all the vehicles in the vehicle fleet; key code is an alternate to SEO 6E4 key common, complete vehicle fleet; not compatible with Impalas and Tahoes police vehicles
6E4	**KEYS COMMON** - Complete vehicle fleet, provides a single key with a specific code that is common to the door locks and ignition of all the vehicles in the vehicle fleet; key code is an alternate to SEO 6E3 key common, complete vehicle fleet; not compatible with Impalas and Tahoes police vehicles
6C7	**LAMP** - Front auxiliary dome, separately switched
7Y6	**LAMP** - Inoperative dome and courtesy lamps (dome and courtesy lamp will not operate when doors are opened. Dome lamp is controlled only by the instrument light dimmer switches on the instrument panel)
T53	**LAMPS** - Alternate flashing **red and blue** trunk lid warning LED lamps (ON/OFF switch on trunk lid available through dealer direct purchase with Kerr Industries)
B42	**MAT** - Trunk, custom, fitted, heavy-duty vinyl molded edge to keep spills contained, removable for easy cleaning
B34	**MATS** - Carpeted front and rear (not available with 6A3 heavy-duty vinyl floor covering)
DR9	**MIRRORS** - Heated outside rearview, power, manual folding, Black
6N6	**REAR DOOR LOCKS AND HANDLES INOPERATIVE** - Rear door locks are inoperable at rear door, operates only from driver's position, rear doors can be opened only from outside
6N5	**REAR WINDOW SWITCHES** - Rear windows only operate from driver's position
BTV	**REMOTE VEHICLE START** - During remote start operation, parking lamps will remain illuminated; includes vehicle content theft; unauthorized entry sounds horn and lamps flash
A6F	**SEAT** - Front passenger power 8-way vertical and recline, manual fore and aft with bar includes power lumbar, recommended for agencies that operate with two officers
AEH	**SEAT** - Rear vinyl, includes 6A3 heavy-duty vinyl floor covering (not available on 9C3)
SGT	**SPEED LIMITER** - Limits top speed to 130 mph
7X6	**SPOTLAMP** - Left hand, separately fused, six inch black housing with halogen lamp
7X8	**SPOTLAMP PROVISION** - Left hand bracket with pillar hole sealed
QQ5	**TIRE, SPARE** - Full-size (includes TPM sensor not programed)
WX7	**WIRING** - For customer connection to front door speakers
6J3	**WIRING** - For grille lamps and siren speaker
6J4	**WIRING** - For horn/siren circuit, in-line connection for customer furnished switch

Note: ***• Turn-Key Packages available only through your Chevrolet dealer***
• Direct purchase equipment is available through dealer direct order and purchase from Kerr Industries 905-725-6561
• Warranty claims for direct purchase equipment must be directed through Kerr Industries

1. Head curtain side air bags are designed to help reduce the risk of head and neck injuries to front and rear seat occupants on the near side of certain side-impact collisions. Always use safety belts and the correct child restraints for your child's age and size, even in vehicles equipped with air bags. Children are safer when properly secured in a rear seat. See your vehicle Owner's Manual and child safety seat instructions for more information.

GENERAL

Model	1EW19
Drive	Rear-wheel

EXTERIOR (in./mm)

Wheelbase		118.5/3009.0
Overall length		204.2/5186.1
Overall width	(excluding mirrors)	74.75/1898.7
Overall height		58.66/1489.95
Front track width		62.83/1596.0
Rear track width		63.23/1606.0
Turning diameter curb to curb (ft./m)		38.04/11.7
Ground clearance (engine cradle)		5.6/142.2

FRONT COMPARTMENT (in./mm)

Head room	38.73/983.68
Shoulder room	59.11/1501.3
Hip room	56.65/1438.92
Leg room (maximum)	42.19/1071.6

REAR COMPARTMENT (in./mm)

Head room	37.56/954.91
Shoulder room	58.94/1497.11
Hip room	57.95/1472.05
Leg room (minimum)	43.21/1097.5

LUGGAGE COMPARTMENT CAPACITY (cu.ft./liters)

Luggage capacity[3] (includes full-size spare tire and auxiliary battery)	17.4/492.71

PASSENGER COMPARTMENT VOLUME INDEX (cu.ft./liters)

EPA passenger compartment volume index[3]	112/3171.5

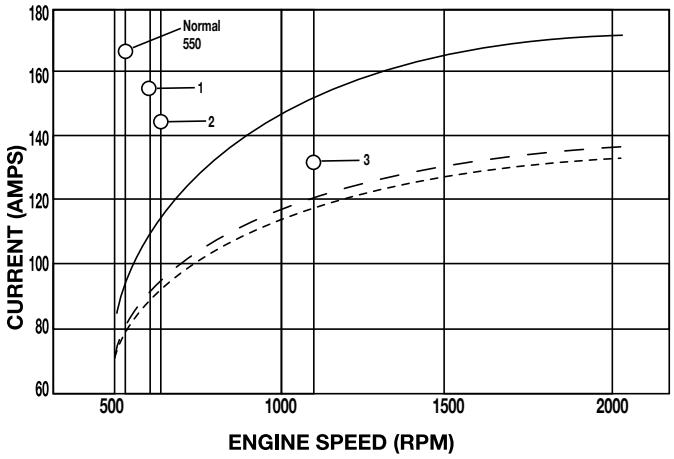
FUEL ECONOMY RATINGS — CITY/HIGHWAY/COMBINED

6.0L engine[4]	**15/24/18**

ALTERNATOR

Type	9G135
Amps	170

CAPRICE POLICE ALTERNATOR OUTPUT



14.0V / 77° F (25° C)
13.25V / 221° F (105° C), Idle 121-amps @1100 RPM (Idle boost)
13.0V / 257° F (125° C)

Idle Boost 1 = 650 RPM
Idle Boost 2 = 700 RPM
Idle Boost 3 = 1100 RPM

3. Cargo and load capacity limited by weight and distribution.
4. EPA-estimated MPG.
5. Gross Vehicle Weight Rating (GVWR). When properly equipped, includes vehicle, passengers, cargo and equipment.
6. Maximum payload capacity includes weight of driver, passengers, optional equipment and cargo.

ENGINE

Type	V8
Displacement: liters/cu. in.	6.0/364
Horsepower/rpm	355@5300
Torque lb.-ft./rpm	384@4400
Induction system	SFI
Compression ratio	10.4:1
Exhaust	Dual
Minimum recommended fuel octane	87
Fuel tank capacity, approximate (gallons/liters)	19/71.6
Cooling capacity (quarts/liters)	**11.6/11**
Oil with filter (quarts/liters)	**8.0/7.6**

TRANSMISSION

Automatic, electronically-controlled with overdrive	6-speed
Fluid pan removal & filter replace (quarts/liters)	**6.7/6.3**

AXLE

Ratio	(with limited slip)	2.92

BRAKES

4-wheel disc with ABS	Disc/Disc
Front - swept area (sq. in./sq. cm)	**310.6/788.9**
Rear - swept area (sq. in./sq. cm)	**211.4/537.0**
Total front and rear swept area (sq. in./sq. cm)	522.04/3368
Front rotor diameter (in./mm)	13.58/345
Rear rotor diameter (in./mm)	12.76/324
Front rotor thickness (in./mm)	1.18/30
Rear rotor thickness (in./mm)	.87/22

TIRES

Type	SBR all season W-speed rated
Size	P235/50R18

WHEELS

Type	Steel
Size	18" X 8"

CHASSIS

Frame	Unibody
Engine cradle	Steel
Suspension	4-wheel independent with coil springs, front and rear stabilizer bars Patrol vehicle specific shock, spring and stabilizer bar tuning
Steering type	Variable ratio, rack-and-pinion
Steering ratio (non-variable)	17.5:1 on center/12.7:1 at full lock

BATTERY

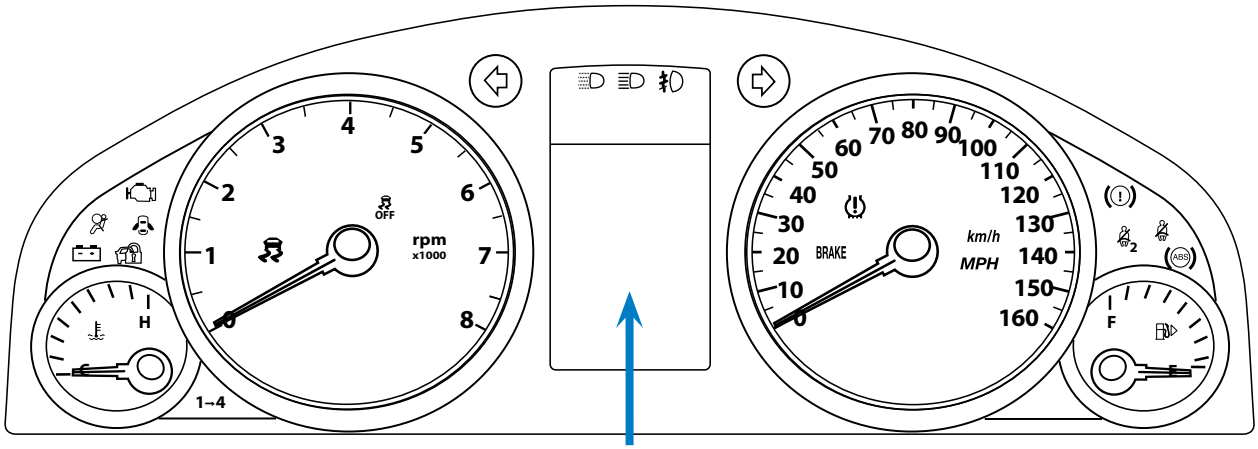
	STANDARD	OPTIONAL AUXILIARY
Type	Maintenance free	Maintenance free
BCI group size	LN4	LN3
Volts	12	12
Amp hour rating	80	70
Cold cranking amps @ 0°F (-18°C)	700	600
Reserve capacity @ 80°F (27°C)	140 mins	120 mins

VEHICLE WEIGHT (Lbs./kg.)

GVWR[5]	5339/2422
Base curb (vehicle without original manufactures optional equipment)	4259/1932
Payload[6] (with bucket seats)	926/420

Note: See your vehicle tire and loading information label for specific weight values. See your owner's manual supplement for proper cargo loading distribution

UNITED STATES CERTIFIED SPEEDOMETER/CLUSTER (CANADIAN SIMILAR)



DRIVER INFORMATION MESSAGE CENTER

ELECTRICAL FUNCTION CUSTOMIZATION FEATURE

AUTO DOOR LOCKING

DISABLED*	No automatic door locking
AT VEHICLE SPEED	Automatic lock all doors when vehicle speed is above 8 mph (13 kph)
OUT OF PARK	Automatic lock all doors when the shifter is moved out of park.

AUTO DOOR UNLOCKING

DISABLED*	No automatic door unlocking
FRONT DOORS AT KEY OUT	Automatic unlock when key is removed from the ignition switch
ALL DOORS AT KEY OUT	Automatic unlock when key is removed from the ignition switch
FRONT DOORS IN PARK	Automatic unlock when the shifter is moved into park
ALL DOORS IN PARK	Automatic unlock when the shifter is moved into park

VISUAL FEEDBACK ON REMOTE LOCK/UNLOCK

DISABLED*	No turn indicator lamps flash on remote lock and unlock
ENABLED	Flash turn indicator lamps on remote lock and unlock

AUDIBLE FEEDBACK REMOTE LOCK

(NO MENU OPTION – FEATURE IS PERMANENTLY DISABLED)

DISABLED*	No horn chirp on lock

REMOTE START

(IF OPTION BTV IS ORDERED)

DISABLED	Remote Start will not function
ENABLED*	Remote Start available via remote key FOB

APPROACH LAMPS

DISABLED*	No approach lamps
ENABLED	Turn on approach lamps with remote unlock

EXIT LAMPS TIMER

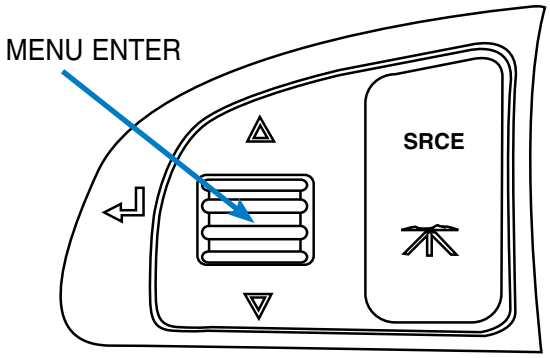
DISABLED*	No exit lamps after key off
30 SECONDS	Turn on exit lamps for 30 seconds after key off
60 SECONDS	Turn on exit lamps for 60 seconds after key off
90 SECONDS	Turn on exit lamps for 90 seconds after key off
180 SECONDS	Turn on exit lamps for 180 seconds after key off

TWO-STAGE UNLOCKING

DISABLED	Single-stage unlocking of all door locks
ENABLED*	Two-stage unlocking of front then rear door locks

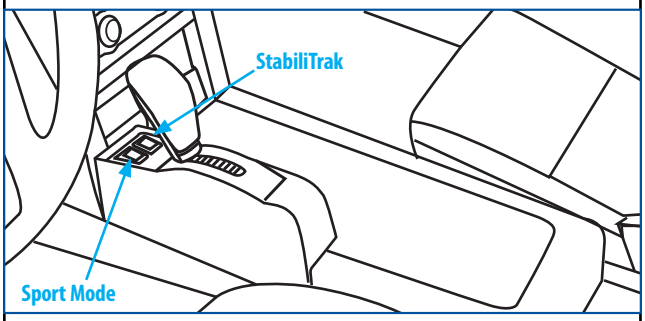
**** Indicates the factory default setting***

STEERING WHEEL CONTROL FOR CUSTOMIZATION



Electrical Features may be changed from the factory default settings by using the TRIP button to scroll to the Customization Menu displayed in driver information center and pressing the ENTER button. Scroll through the Customization Menu by rotating the ENTER button up or down. Press ENTER to select a feature to be changed. See your owner's manual for additional directions for customizing your Caprice Police Package electrical functions listed in the chart above.

9C1 POLICE PACKAGE PPV – SHIFT LEVER

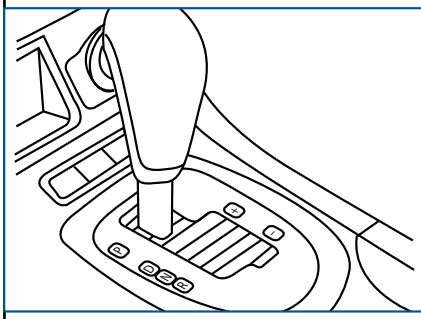


The offset shift lever is located on the floor adjacent to the driver. 10 in open space between seats for aftermarket supplied equipment.

The system can be placed into sport mode by pressing the Sport Mode button. The message SPORT MODE will appear momentarily in the DIC to indicate the sport mode has been selected. A small fixed message will appear on the bottom of the DIC display with the text SPORT MODE and will remain while the sport mode is engaged. This mode allows maximum engine power and transmission responsiveness while providing "over-rev" protection.

Pushing StabiliTrak button turns off traction control and puts StabiliTrak in Performance Mode. Allows more aggressive driving before StabiliTrak will engage.

9C3 DETECTIVE POLICE PACKAGE – SHIFT LEVER

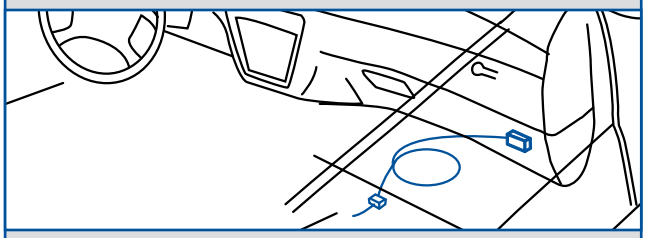


The shift lever is located on the center console between the front seats.

Sport Shift Mode
Move the shift lever over from D (Drive) to the right quadrant. The SPORT SHIFT message in the DIC displays. If the shift lever is not moved forward or rearward, the vehicle remains in sport mode.

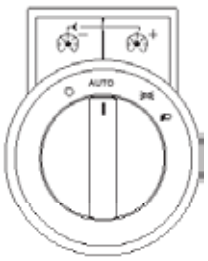
To return to normal shift mode, slide the shift lever over from the right quadrant to the left into D (Drive), A NORMAL SHIFT message will be displayed in the DIC. Normal shift mode is recommended for normal or freeway driving, as it provides optimum fuel economy.

WIRING PROVISIONS FOR 12-VOLT BATTERY POWER SUPPLY



Police relay outputs and control circuit connections are located in the right front foot well in a 5-foot (1.5 m) coil. Battery power is supplied through two Pre-fuse Assembly fusible links. If the optional auxiliary battery (K4S) is not present, power to the Pre-fuse Assembly is supplied by the Primary battery. Three circuit breakers and two control relays are located in the right rear compartment relay center. The relay center is connected via the body harness to the front compartment customer connections. A 50-amp circuit breaker feeds power directly from the 100-amp fusible link via a 10-gauge ($5.0mm^2$) wire. Two 30 amp circuit breakers supply power from fusible links through the contacts of the control relays to 12-gauge ($3.0\ mm^2$) wires. Each relay is operated by control leads in the 5-foot coil in the front compartment. An 8-gauge ground lead is also provided in the coil. A total of 1320-watts of 12-volt power is available in the front compartment. 1440-watts of 12-volt power is a available at the rear compartment junction block.

EXTERIOR LAMPS CONTROL



VVS – Delete Daytime Running Lamps and Automatic Headlamps. This option disables the Daytime Running Lamps and Automatic Headlamps control feature. Exterior lamps are manually controlled only. Option VVS is not available in Canada. The headlamp control on the driver's side of the instrument panel operates the headlamps.

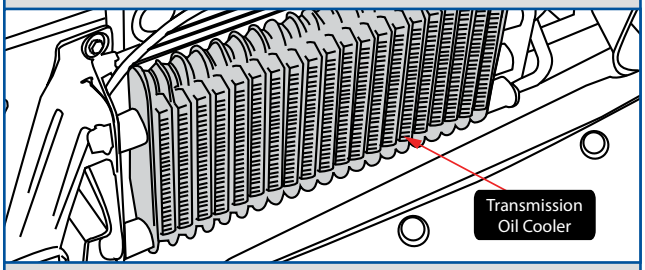
If your Caprice does not have option VVS, Daytime Running Lamps and Automatic Headlamps Delete, the Daytime Running Lamps and Automatic Headlamps can be turned off for one ignition cycle by rotating the control knob momentarily counter-clockwise. Rotating the headlamp switch again will turn the daytime running lamps or automatic headlamps back on.

In Canada, the Daytime Running Lamps and Automatic Headlamps can be turned off if the transmission is in Park. See also Caprice owner's manual.

KEYLOCK CYLINDER - TRUNK LID

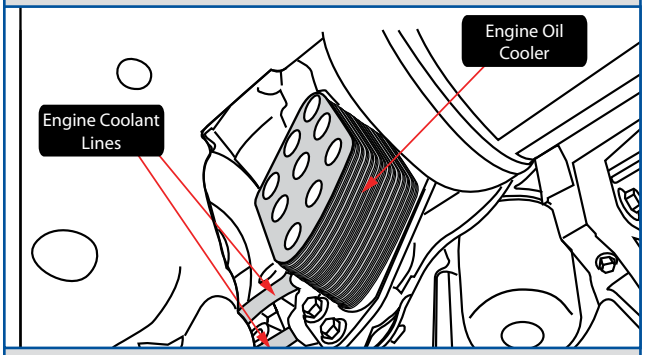
If your vehicle is equipped with Remote Start, a Content Theft Deterrent System is included; an audible alarm will occur when the ignition key is used to open the trunk instead of the Remote Keyless Entry (key FOB).

TRANSMISSION OIL COOLER



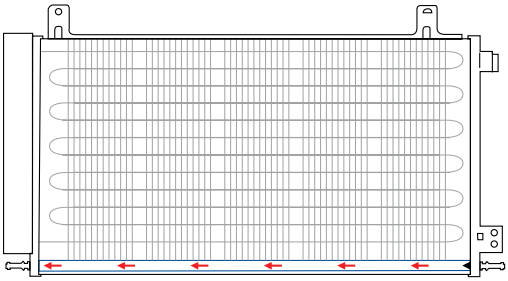
The auxiliary air-to-oil cooler is mounted in front of the condenser/coolant radiator assembly and is connected in series with a cooler in the coolant radiator bottom tank.

ENGINE OIL COOLER



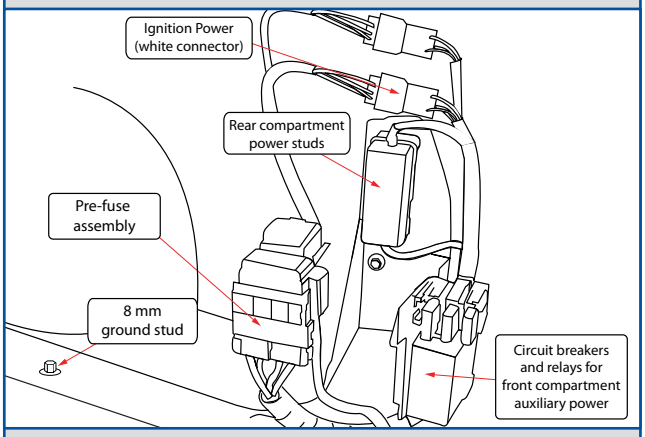
The oil-to-coolant engine oil cooler system is mounted on the left side of the lower engine block forward of the oil filter. Engine oil flows thought the stacked plate cooler from the engine oil sump and returns. Coolant flows from through the cooler from the engine block and returns to the radiator throught a connection to the radiator inlet hose.

POWER STEERING OIL COOLER



The power steering oil cooler passes through the lower air conditioning condenser. Power steering oil flows from the steering gear into the lower left of the condenser and cooled oil returns to the steering gear from the lower right end.

REAR AUXILIARY POWER AND GROUND STUD



An auxiliary power junction block is located at the right side of the rear compartment. The junction block is at the rear of the auxiliary battery tray and contains a split buss with two terminals for customer connection to 12-volt battery power.

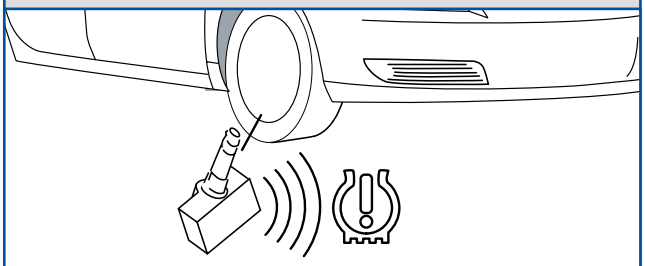
The split bus is connected to the primary battery located at the left side of the rear compartment. When the optional auxiliary battery (RPO K4S) is present, the split bus is connected to the auxiliary battery through an isolation relay.

Two 60-amp fusible links connect the bus to the battery. Maximum combined capacity of the two circuits is 1320-watts.

An **8 mm** ground stud for customer connection is located at the inboard front corner of the right side battery tray.

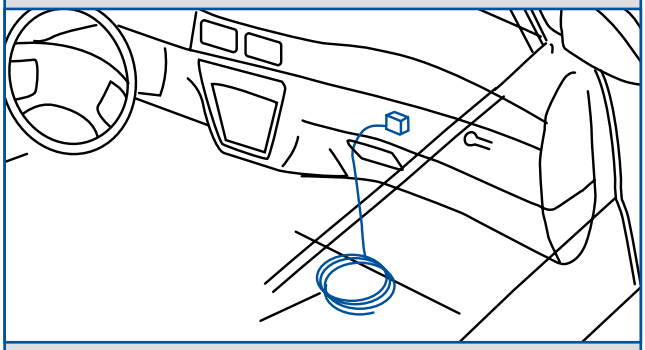
A Pink/Blue ignition controlled power circuit, HOT in RUN/START, terminates in a white connector located above the auxiliary battery power junction block. This same circuit is also located in the front passenger foot well upfitter harness (see p.23). A 10 Amp fuse (F38) protects both circuits and is located in the engine compartment fuse center. The total power available for the combined front and rear circuits is 60 watts.

TIRE PRESSURE MONITOR SYSTEM



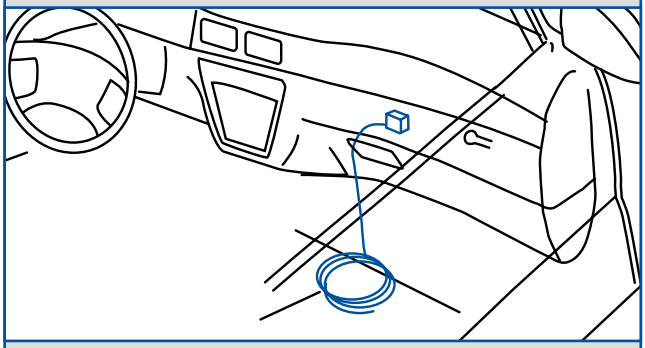
Your vehicle is equipped with a Tire Pressure Monitor (TPM) System which warns of low tire pressure. Your Caprice Police Package may be equipped with a full-size spare tire (see page 9) The full-size spare tire has a sensor but the vehicle is not programmed to read the spare tire pressure. When the full-size spare tire from your vehicle or spare tire from another Police Package is placed in use as a road wheel, the system will not read the presence of the new TPM sensor and must be calibrated. Refer to your owner's manual for additional information on the Tire Pressure Monitor and Sensor Programming. The space saver spare tire does not have a tire pressure monitor.

WX7 WIRING - FRONT SPEAKERS



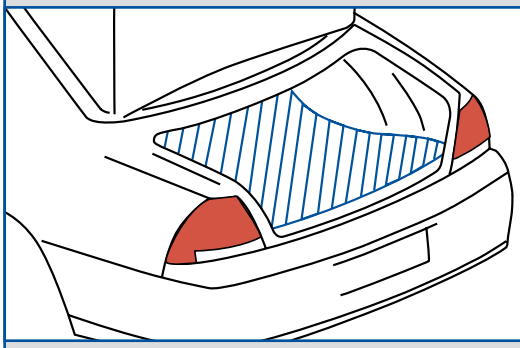
Approximately 60 inches (1.5 m) of auxiliary speaker wire is run from the door-mounted speakers and coiled under the center of the instrument panel for customer connection to front speakers. Front Speakers are not connected to vehicle radio.

6J4 WIRING - HORN/SIREN CIRCUIT



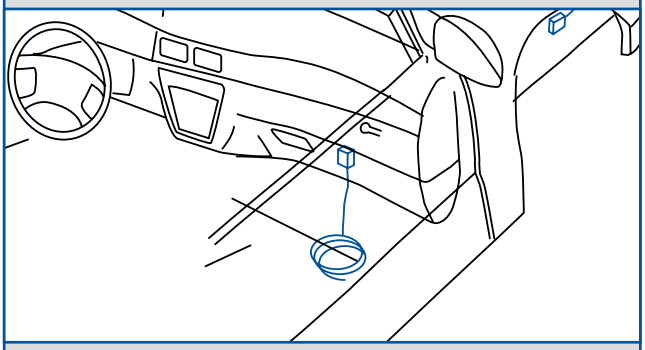
Two 16-gauge wires are connected to an in-line connector in the horn circuit of the instrument panel harness under the instrument panel. The end of this harness extension is terminated with an in-line connector in a 60-inch (1.5 m) coil under the instrument panel. Connection to customer switching permits operation of the horn or siren with the horn button.

B42 MAT - TRUNK



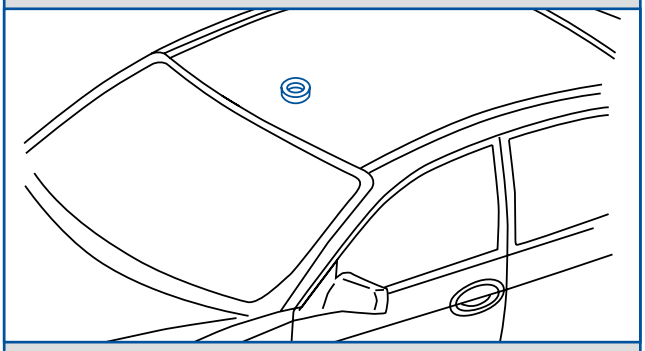
Custom fitted, heavy-duty vinyl molded edge to keep spills contained, removable for easy cleaning

6J3 WIRING - GRILLE LAMPS, SPEAKER



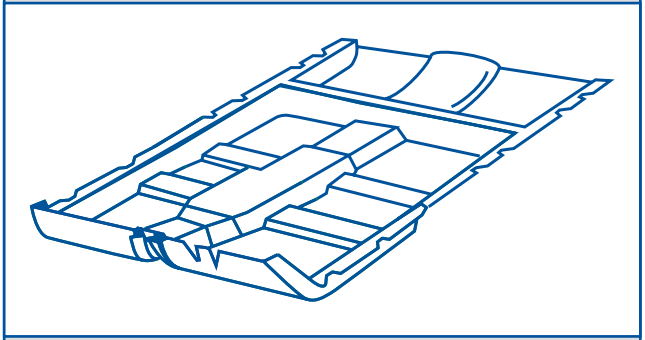
The SEO 6J3 wiring provision has a 60-inch (1.5 m) harness coiled underneath the instrument panel on the passenger side. The wiring circuits are routed from under the instrument panel to a 2-foot (610 mm) coil secured in the area behind the grille, to the left of the hood latch assembly.

6C7 LAMP - AUXILIARY DOME



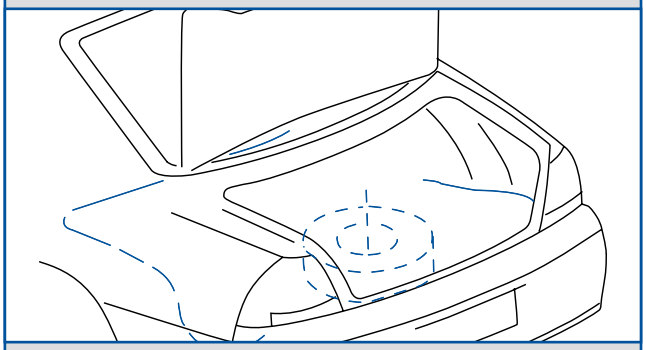
Auxiliary dome lamp is located to the rear of the vehicle dome lamp. The auxiliary lamp is wired independently from the standard dome lamp.

6A3 COVERING - FLOOR



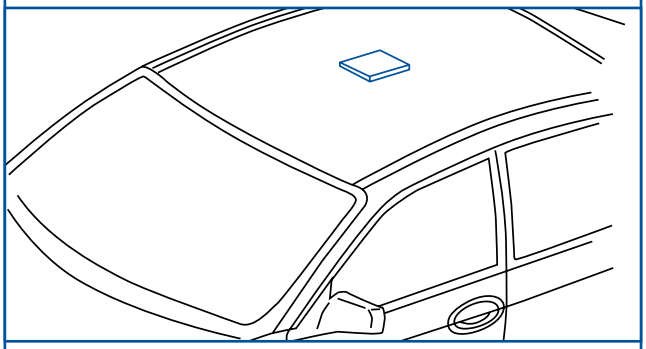
Black heavy-duty front and rear. Replaces production carpeting.

QQ5 FULL SIZE SPARE



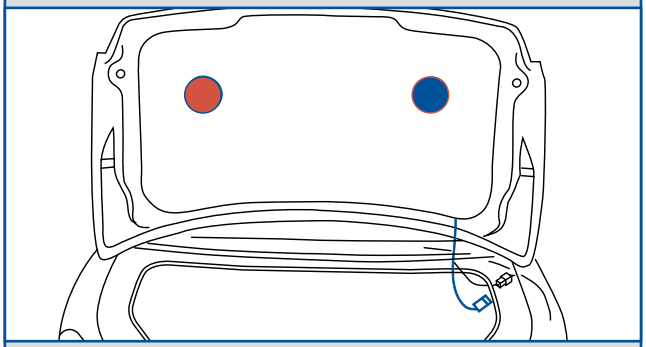
Full-size spare tire is mounted under the load floor. The full-size spare tire includes a Tire Pressure Monitor (TPM) sensor which must be programmed to the TPM System after the spare tire is installed.

7Y6 LAMP - INOPERATIVE DOME



Dome and courtesy lamps will not operate when doors are opened. Front and rear dome lamps are controlled only by the switch at the front dome lamp console.

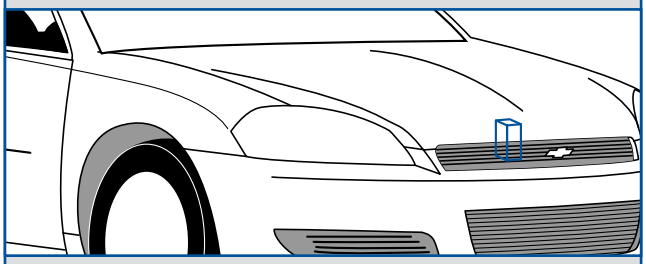
T53 LAMPS - TRUNK LID WARNING



Two 4-inch, single faced, red and blue LED lamps are mounted to the deck lid inner panel. Lamps are activated by the deck lid ajar mechanical switch when deck lid is opened. Lamps are wired to flash alternately through a flasher located at the upper right hand corner of the trunk opening. An optional switch is available from Kerr Industries and is located at the right side of the deck lid to permit the flashing red/blue lamps to be turned off.

Wiring is protected by fuse F8 in the rear fuse block located on top of the standard battery in the trunk.

6J7 EXTERIOR LAMP EMERGENCY FLASHING SYSTEM, HEADLAMPS, TAIL LAMPS AND BACKUP LIGHTS



HEADLAMPS

This option provides a flashing module, headlamp alternate high beam flashing, rear alternate flashing of the stop and backup lamps and a control wire for connection a customer furnished ON/OFF switch. A second control wire permits optional separate control of headlamp flashing and rear lamps flashing via customer switching.

The headlamp flashing module is located at the right side of the underhood electrical center. The headlamp flashing module is activated by application of 12-volts to a dark green/red wire coiled in the right front footwell. When activated, the left and right high beams and the high beam instrument cluster telltale will flash alternately at 2.4 flashes per second.

During daylight conditions, the Daytime Running Lights (DRL) are automatically deactivated whenever the headlamp flasher module is activated; during nighttime conditions, the low beams are automatically on while the high beams flash (unless option VVS is present). Activating the high beam switch will override the flashing mode and the high beams will operate continuously.

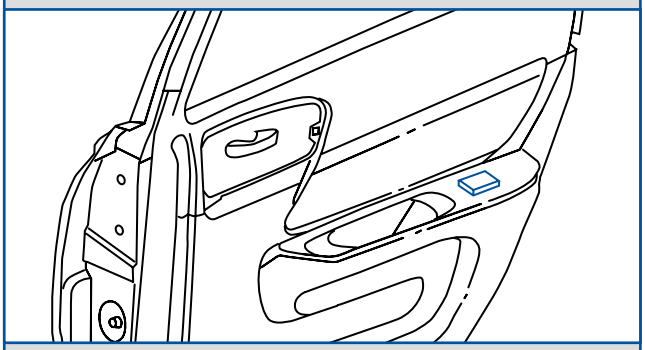
A 15-amp fuse (F16) protects the front flasher circuit and is located in the engine wiring harness junction block at the right side of the engine compartment.

TAIL LAMPS AND BACKUP LAMPS

When the headlamp flashing module is activated the body control module will cause the left and right stop lamps to flash alternately with the backup lamps at a rate of 2.4 flashes per second. The center high-mounted stoplamp does NOT flash and operates only with application of the service brakes. During nighttime conditions, the tail lamps are automatically ON (unless option VVS is present).

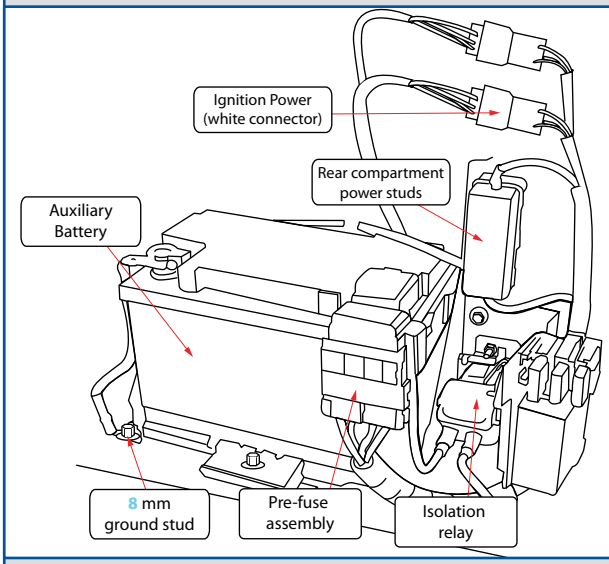
Activation of the headlamp and rear lamp flashing can be separated. Call Kerr Industries at 905-725-6561 for instructions.

6N5 SWITCHES - REAR WINDOW INOPERATIVE



Rear door window switches are inoperable. Rear door power regulators are operable only from driver position switches.

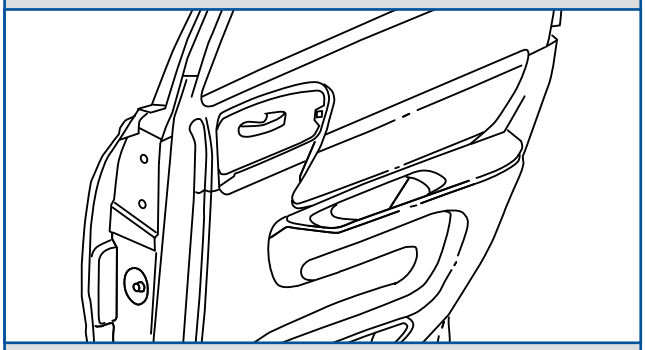
K4S – AUXILIARY BATTERY



Option K4S, Auxiliary Battery, consists of a 600 cca battery mounted at the right side of the rear compartment and is connected to the electrical system via a Pre-fuse Assembly. Also included is an isolation relay which is activated whenever the ignition is ON. The isolation relay is intended to isolate the auxiliary battery and connected load from the primary battery to avoid unintended rundown of the primary battery. Whenever the ignition is ON and the engine is running, the primary battery and auxiliary batteries are being charged, as determined by the charging system controls.

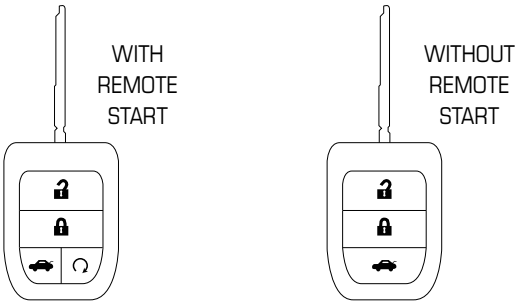
A Pink/Blue ignition controlled power circuit, HOT in RUN/START, terminates in a white connector located above the auxiliary battery power junction block. This same circuit is also located in the front passenger foot well upfitter harness (see p.23). A 10 Amp fuse (F38) protects both circuits and is located in the engine compartment fuse center. The total power available for the combined front and rear circuits is 60 watts.

6N6 - REAR DOOR LOCKS AND HANDLES INOPERATIVE



Rear doors can only be opened from the outside.

AMF - PACKAGE OF 6 KEY/TRANSMITTERS



NEW KEY LEARN PROCEDURE

1. Cut the new key blank to match the vehicle key (master key)
2. Using the master key, turn ON the ignition, with the engine OFF
3. Turn OFF the ignition and remove the key
4. Within 10 seconds of turning OFF the ignition, insert the key to be learned and turn ON the ignition. The vehicle has now learned the new key.

REMOTE TRANSMITTER LEARN PROCEDURE

1. Ignition must be ON and trasnimission in PARK (P)
2. Press the TRIP button until the customization trip page is reached.
3. Press the ENTER button on the enter the customization menu.
4. Scroll down to the 'Remote Key' menu item and press ENTER
5. Scroll down to the 'Program' menu item and press ENTER
6. Press and hold the LOCK and UNLOCK button on the first transmitter at the same time for approximately 15 seconds. 2 beeps will sound indicating the transmitter is matched.
7. Repeat set 6 for the additional transmitters.
8. To exit the programming mode, key the ignition to OFF.

Can specialty vehicle equipment (e.g. radar devices, video cameras, computers, meters, radio trees, shotguns, etc.) still be mounted in cars with passenger side air bags?

Yes, but care must be taken to mount the equipment outside of the deployment zone. Air bags inflate with great force and will interact with any object in the deployment zone. Therefore, to reduce the risk of injury to vehicle occupants, GM recommends that the air deployment zone be kept free of any equipment. If a piece of equipment were to become dislodged it could strike an occupant in the vehicle and result in injury. The likelihood of an object becoming dislodged is influenced by many factors, including the proximity of the object to the inflatable restraint, the size and shape of the object, and the means by which the object is secured to the vehicle. In addition to these factors, the trajectory and velocity of a dislodged object can be influenced by the type and severity of vehicle crash.

Objects that are in the deployment zone, but do not become dislodged by an inflating air bag can still affect the performance of the air bag. For example, such objects could tear the fabric or affect the shape of the air bag, thus reducing the ability of the bag to provide restraint.

Is it possible to shield equipment that is installed in the passenger side frontal air bag deployment zone in a manner that will allow full and safe air bag deployment?

Due to the complexity of influencing variables, GM is unable to evaluate the potential for shielding expected equipment configurations in all accident scenarios in order to assure that the air bag performance would be unaffected. While shielding may protect certain equipment from being damaged or dislodged, it may also negatively affect the inflation characteristics of the air bag. The air bag's shape, inflation angle, fold pattern, and inflation rate and pressure are developed to maximize the protection capability of the inflatable restraint system. Therefore, GM cannot recommend the placement of any equipment in the deployment zone, even if it is shielded to protect it from damage.

Front air bag systems and instrument panel mounted equipment.

Passenger air bags in GM vehicles deploy in different ways depending upon the type of vehicle and the particular instrument panel design.

In some vehicles, the passenger air bag deploys through a discrete door located on the top surface of the instrument panel (top-mount air bag systems). In other vehicles, such as the Chevrolet Tahoe, the passenger air bag deploys through a discrete door mounted on the vertical rearward surface of the instrument panel, above the glove box door (mid-mount air bag system). With these types of top-mount and mid-mount passenger air bag systems, the top pad of the instrument panel remains in place during deployment.

Some GM passenger air bag systems, like the system in the Chevrolet Impala, deploy from beneath the instrument panel top pad. These are considered 3/4-mount air bag systems with a "deployable top pad." The entire instrument panel top pad is the "deployment door" from under which the inflating air bag emerges. When an air bag deployment is commanded, the forces from the inflating passenger air bag push up on the instrument panel top pad, releasing special fasteners across the rearward edge of the top pad. This allows the top pad to rotate upward so that the passenger air bag may emerge. The top pad rotates upward to open widest at the right hand side, and is usually forced upward into contact with the windshield on the right hand side of the vehicle during a deployment.

Instrument panel top mounted special equipment, such as a radar antenna and control unit or video camera must be positioned to the left of the vehicle center line. This equipment must be mounted as low as possible and securely fastened to the top pad to avoid being dislodged in the event of a crash and possible air bag deployment. In the process of securely fastening special equipment to the top, DO NOT fasten down the top pad itself to any other vehicle component such as the cluster trim plate. As described above, the top pad rotates upward during a deployment. In order to enable the proper deployment of the passenger air bag, specialty equipment installation MUST NOT PREVENT the top pad from rotating upward during deployment. Location and attachment of special equipment should minimize added resistance or interference to upward rotation of the top pad during deployment.

Optional side air bags for crashes to the vehicle sides.

The air bag system in your police vehicle may include optional side air bags for front and rear occupants. Most front-to-rear side air bags are designed to deploy downward from the interior roof sides to the bottom of the door windows.

Can Specialty Vehicle Security Barriers be mounted within the side air bag deployment zones?

No. The side air bags inflate extremely fast because of the nature of side crashes to the vehicle. Mounting a security barrier behind the front seats with the ends placed within the side air bag deployment zones will result in unintended interaction between the barrier and the inflating side air bags. To reduce the risk of injury to the vehicle occupants, GM recommends that the side air bag zones be kept free of any customer installed equipment.

Customer furnished equipment installed to the vehicle roof.

Your police vehicle is designed with an interior roof cover system which includes internal components for the interior lamps and wiring. The roof system may also include optional side air bag components. Inflation devices may be mounted on the vehicle roof side behind the rear doors as well as air bag tethers retained to the windshield pillars. Care must be taken to avoid damage to these components or interference with their operation when installing roof mounted equipment such as emergency lamps and communication antennas.

Recommended GM service procedures must be followed to remove and re-install the instrument panel top pad to ensure that the top pad will release properly in the event of a passenger air bag deployment.

On the right half of the top pad closest to the passenger air bag module, GM recommends that no equipment be mounted. When mounting equipment on the driver side of the top pad, GM recommends that the total mass of the top pad mounted special equipment not exceed 8 pounds (3.6 kilograms), since the top pad tends to rotate about the left end.

Fasteners used to secure special equipment to the instrument panel top pad, the windshield glass, or to the windshield upper frame (header), should be selected to ensure that these devices will remain attached during a vehicle crash and possible air bag deployment.

Head curtain side air bags are designed to help reduce the risk of head and neck injuries to front and rear seat occupants on the near side of certain side-impact collisions. Always use safety belts and the correct child restraints for your child's age and size, even in vehicles equipped with air bags. Children are safer when properly secured in a rear seat. See your vehicle Owner's Manual and child safety seat instructions for more information.

Can the installation of push bumpers on the front end of the vehicle affect the deployment of the air bag?

General Motors is not aware of adverse effects during crash events from the many push bumpers that have been installed on GM police vehicles. Because there are many styles of push bumpers available with varying crash characteristics, installation of push bumpers may or may not affect deployment timing of the air bags. Push bumpers should be mounted to avoid modifying the vehicle structure and interfering with the front air bag sensors mounted on the upper radiator support cross member.

Two front impact sensors are installed in General Motors vehicles. Do not relocate or disconnect the front sensors. The location and orientation of the front sensors are critical for correct operation of the air bag system. Avoid mounting components on or near the sensors. Push bumper styles with vertical pushing members that are in fore-aft alignment with the front air bag sensors are not recommended.

How long will the air bag remain inflated?

It takes approximately 1/20th of a second to fully inflate the frontal air bags. This is faster than the blink of an eye. The air bags begin to deflate immediately, helping to stop the occupants more gradually.

Can the air bag system be re-used?

No. The air bags are designed to inflate only once. After inflation some new parts will be required. These will include the air bag module and possibly other parts. (A competent service technician with access to the vehicle's service manual and the required tools should replace the required components after a deployment crash.)

I've heard that the dusts that are released into the passenger compartment from the air bag are harmful. Is this true?

For most people, the only effect the dusts will produce is some irritation of the throat and eyes, and that is only if the occupant remains in the vehicle for many minutes after the air bag deployment with no ventilation and windows closed. However, some people with asthma may develop an asthmatic attack from inhaling the dusts. If this happens, they should first treat themselves the same way their doctor has advised them to treat any other asthma attack, and then immediately seek medical treatment.

When should an air bag inflate?

The driver's and right-front passenger's frontal air bags are designed to inflate in moderate to severe frontal or near-frontal crashes. But they are designed to inflate only if the impact speed is above the system's designed "threshold level."

In addition, if your vehicle has "dual stage" frontal air bags, these air bags tailor the amount of restraint according to crash severity. For moderate frontal impacts, the air bags inflate at a level less than full deployment. For more severe frontal impacts, "dual stage" frontal air bags deploy at full levels.

If the front of your vehicle goes straight into a wall that doesn't move or deform, the threshold level of the reduced deployment is about 12 to 16 mph (19 to 15 km/h), and the threshold level for a full deployment is about 18 to 24 mph (29 to 28.5 km/h). The threshold level can vary, however, with specific vehicle design, so that it can be somewhat above or below this range.

If your vehicle strikes something that will move or deform such as a parked car, the threshold level will be higher. The driver's and right-front passenger's frontal air bags are not designed to inflate in rollover, side impacts, or rear impacts, because inflation would not help the occupant.

Seat mounted side impact air bags are designed to inflate in moderate to severe side crashes. The side impact air bags will inflate if the crash severity is above the designed "threshold level." The threshold level can vary with specific vehicles design. The side impact air bags are not designed to inflate on frontal or near-frontal impacts or rear impacts, because inflation would not help the occupant.

Roof rail mounted head-curtain airbags are designed to inflate in moderate to severe side crashes. In addition, certain vehicles have head-curtain air bags which are also designed to inflate in situations where an impending rollover condition is identified by the vehicle's rollover sensing system and/or frontal or near-frontal impacts if the crash severity is above the designed "threshold level".

Safety belt pretensioners at the driver and front passenger seat positions are designed to deploy in frontal, near-frontal, side, and rear crashes that exceed the "threshold level" of crash severity to help reduce slack in the safety belt. Safety belt pretensioners will also deploy in impending rollover situations.

I've heard that a deployed air bag produces what appears to be smoke. Is the air bag hot?

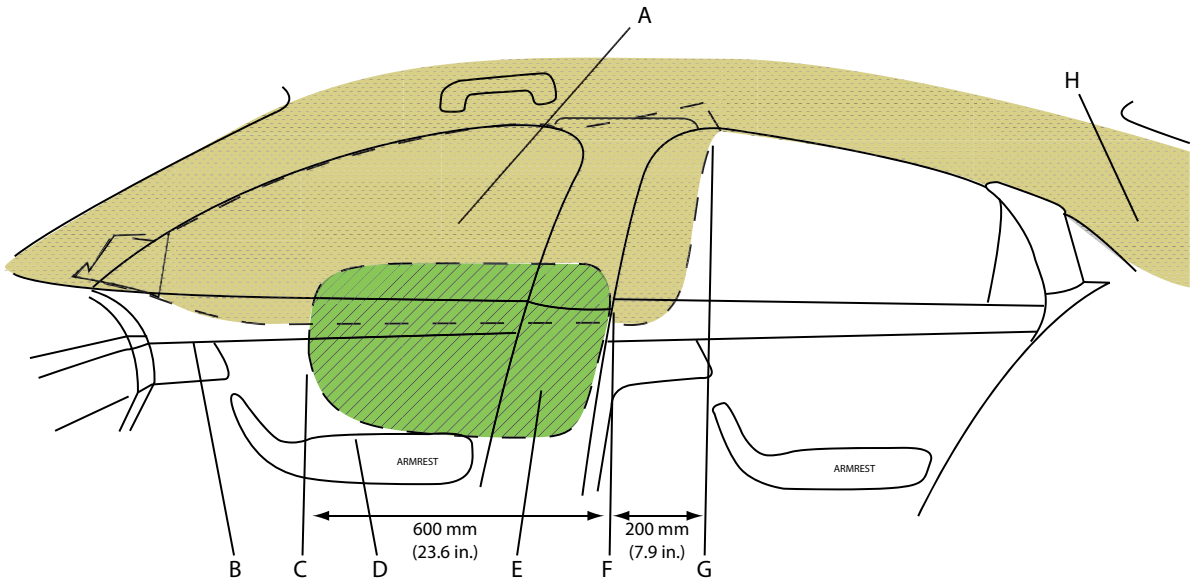
After the bag has deployed in a crash, the air bag itself will not be hot to touch. Some components within the air bag module will be hot for a short time. A small amount of smoke coming from a deployed air bag module is normal and should not be cause for concern.

Also, when the nitrogen gas is vented out of the air bag, small particles from inside the bag are also vented into passenger compartment. These airborne particles look like smoke and some particles are deposited as residue on and around the air bag.

If my vehicle has air bags, why should I have to wear my safety belt?

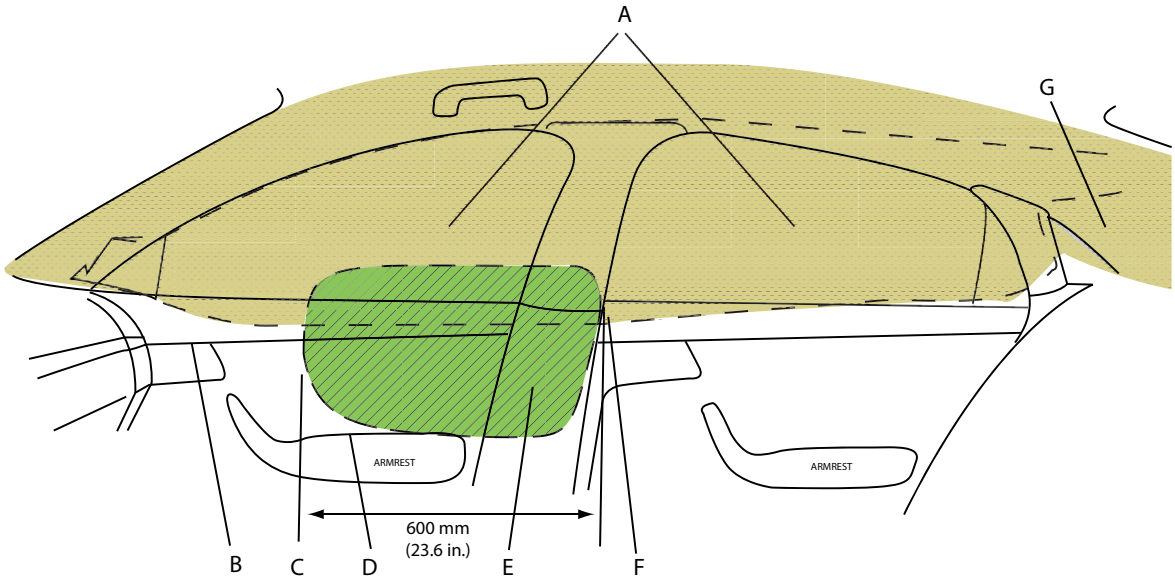
Air bags are in many vehicles today and will be in most of them in the future. But they are supplemental systems only; so they work with safety belts - not instead of them. Every air bag system ever offered for sale has required the use of safety belts. Even if you're in a vehicle that has air bags, you still have to buckle up to get the most protection. That's true not only in frontal collisions but especially in side and other collisions.

Note: All dimensions are approximate and subject to change.



STANDARD HEAD CURTAIN AND FRONT SEAT-MOUNTED SIDE IMPACT AIR BAG[1] DEPLOYMENT ZONES
PASSENGER SIDE SHOWN, DRIVER SIDE SIMILAR

A. Head curtain air bag zone – front seats ONLY
B. Top of door handles
C. Fore-most end of seat-mounted thorax air bag zone
D. Top of front door armrest
E. Front seat thorax air bag zone
F. Back edge of body center pillar trim at bottom of rear door window
G. Rear-most end of front head curtain zone
H. Zone extends into sail panel area

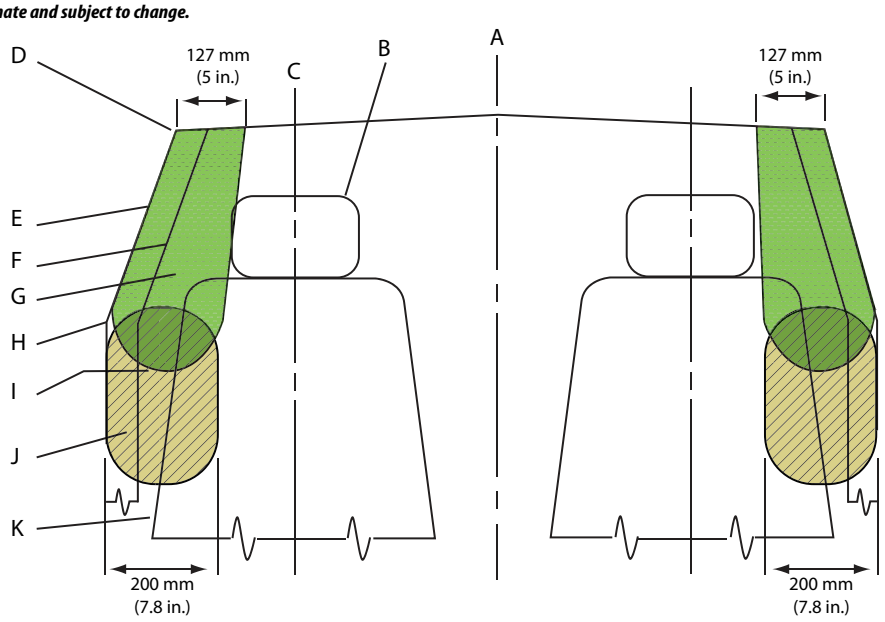


OPTIONAL (RPO AYO) HEAD CURTAIN AND FRONT SEAT-MOUNTED SIDE IMPACT AIR BAG[1] DEPLOYMENT ZONES
PASSENGER SIDE SHOWN, DRIVER SIDE SIMILAR

A. Head Curtain air bag zone – front and rear seats
B. Top of door handles
C. Fore-most end of seat-mounted thorax air bag zone
D. Top of front door armrest
E. Front seat thorax air bag zone
F. Back edge of body center pillar trim at bottom of rear door window
G. Zone extends into sail panel area

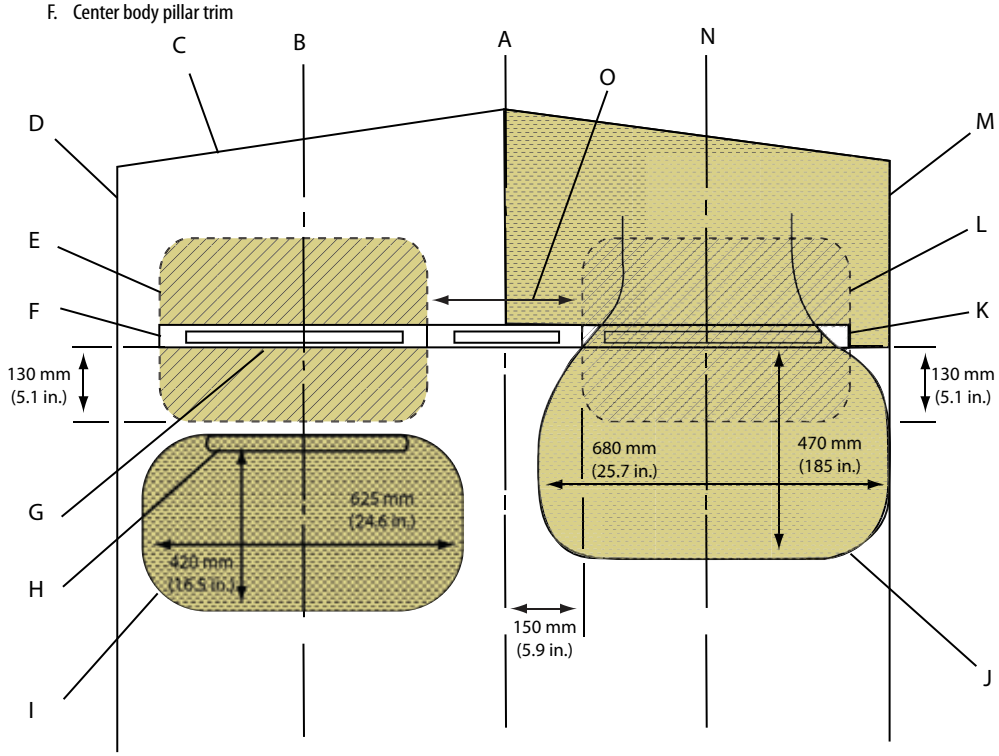
1. Head curtain side air bags are designed to help reduce the risk of head and neck injuries to front and rear seat occupants on the near side of certain side-impact collisions. Always use safety belts and the correct child restraints for your child's age and size, even in vehicles equipped with air bags. Children are safer when properly secured in a rear seat. See your vehicle Owner's Manual and child safety seat instructions for more information.

Note: All dimensions are approximate and subject to change.



HEAD CURTAIN AND FRONT SEAT-MOUNTED SIDE IMPACT AIR BAG[1] DEPLOYMENT ZONES
VIEW FROM REAR SEAT, RIGHT SIDE IS MIRROR OF LEFT SIDE

A. Vehicle center-line
B. Headrest
C. Center-line of occupant
D. Edge of headliner
E. Door inner trim panel
F. Center body pillar trim
G. Head curtain air bag zone
H. Bottom of door windows
I. Front door handle
J. Front seat back thorax air bag zone
K. Seat back

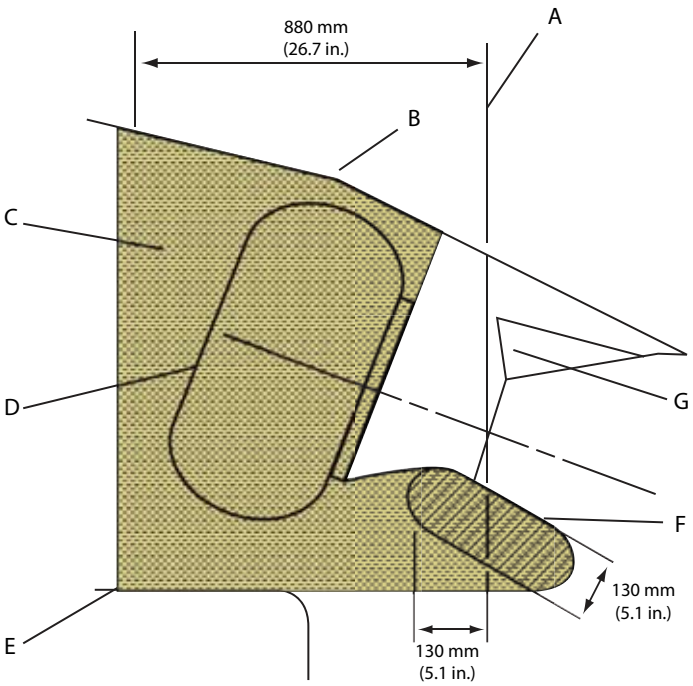


INSTRUMENT PANEL AND APPROXIMATE DEPLOYMENT AREA OF THE DRIVER AND FRONT PASSENGER AIR BAGS[1]
VIEW FROM TOP

A. Vehicle center-line
B. Driver center-line
C. Front of instrument panel at the windshield base
D. Driver door trim
E. Driver knee air bag (model year 2012)
F. Instrument cluster
G. Rear-most instrument panel
H. Steering wheel
I. Driver air bag
J. Front passenger air bag
K. Glove box
L. Front passenger knee air bag (model year 2012)
M. Front passenger door trim
N. Front passenger center-line
O. Radio stack

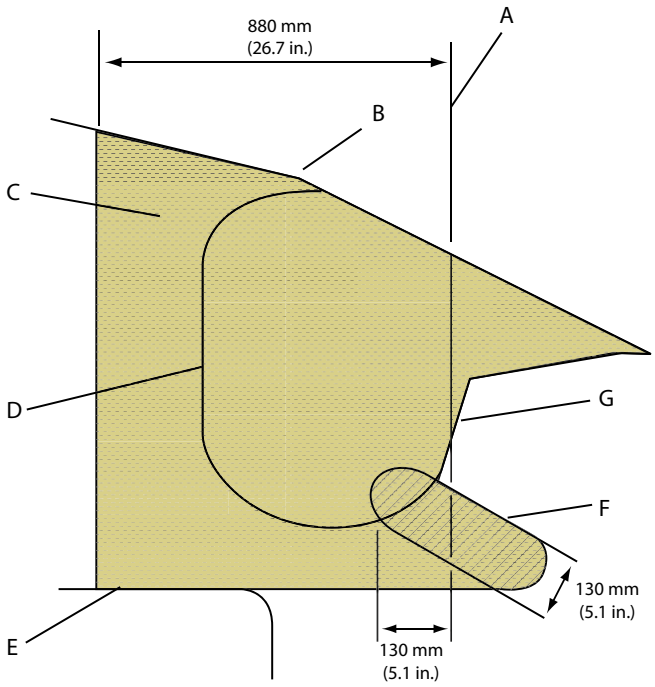
1. Head curtain side air bags are designed to help reduce the risk of head and neck injuries to front and rear seat occupants on the near side of certain side-impact collisions. Always use safety belts and the correct child restraints for your child's age and size, even in vehicles equipped with air bags. Children are safer when properly secured in a rear seat. See your vehicle Owner's Manual and child safety seat instructions for more information.

Note: All dimensions are approximate and subject to change.



SIDE VIEW OF DRIVER STEERING WHEEL AIR BAG[1]
DEPLOYMENT ZONE – CENTER-LINE OF DRIVER
VIEW FROM RIGHT SIDE

A. Rear most instrument panel
B. Top of windshield
C. Driver air bag zone
D. Driver air bag
E. Driver seat
F. Driver knee air bag (model year 2012)
G. Instrument cluster

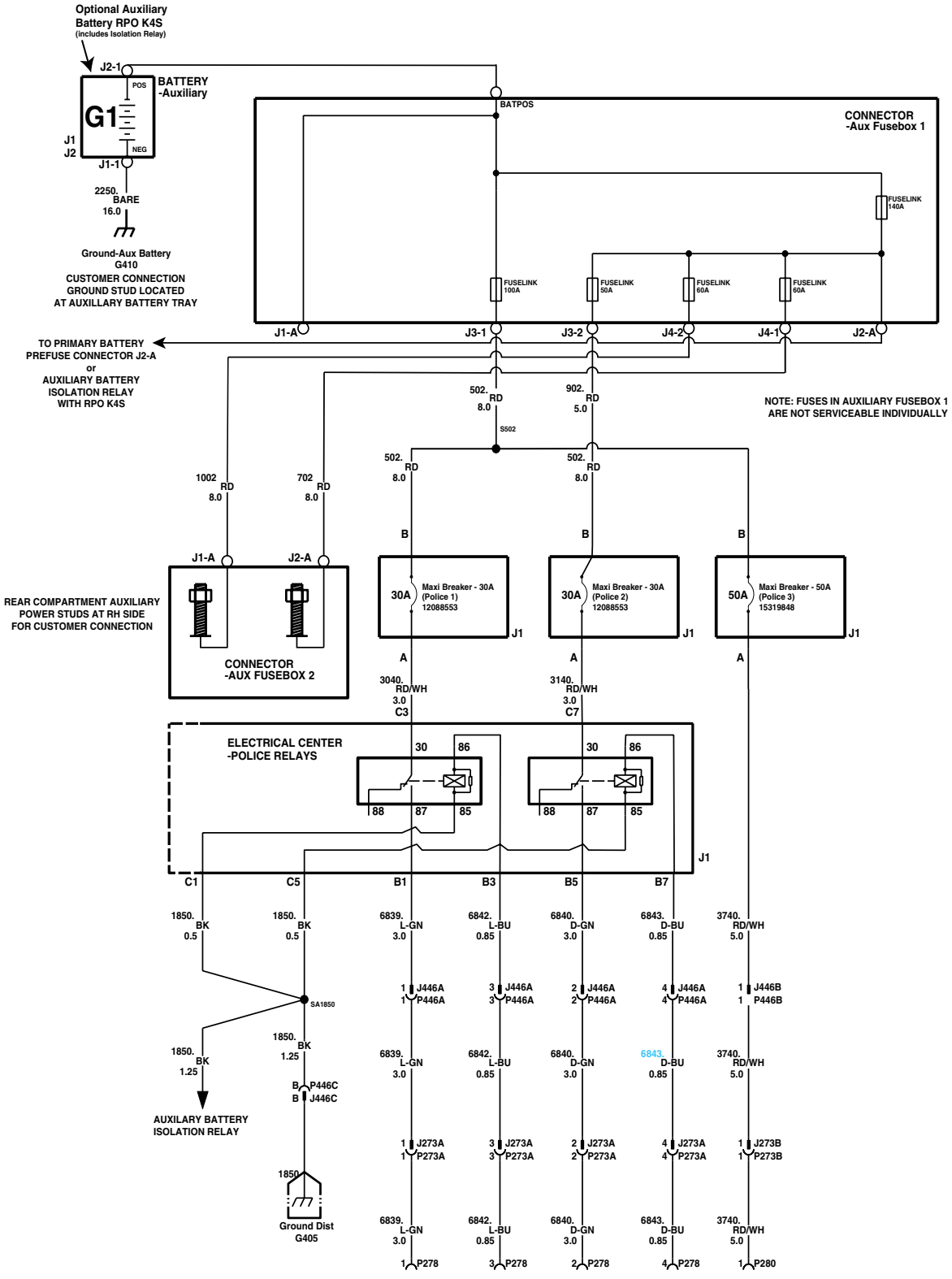


SIDE VIEW OF FRONT SEAT PASSENGER AIR BAG[1]
DEPLOYMENT ZONE – CENTER-LINE OF PASSENGER
VIEW FROM RIGHT SIDE

A. Rear-most instrument panel
B. Top of windshield
C. Front passenger air bag zone
D. Front passenger air bag
E. Front passenger seat
F. Front passenger knee air bag (model year 2012)
G. Glove box door

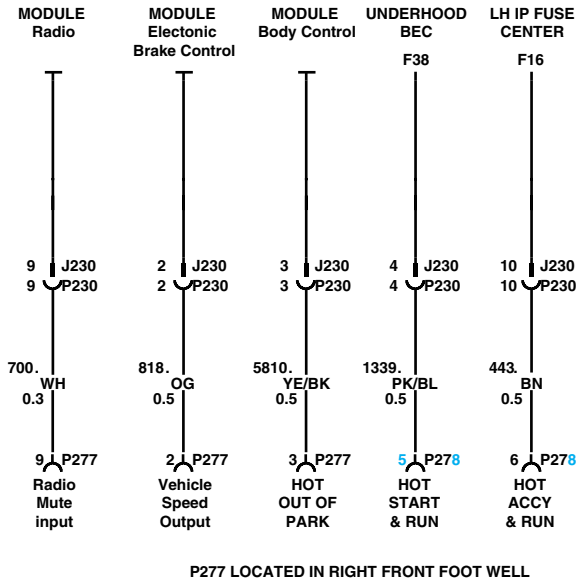
1. Head curtain side air bags are designed to help reduce the risk of head and neck injuries to front and rear seat occupants on the near side of certain side-impact collisions. Always use safety belts and the correct child restraints for your child's age and size, even in vehicles equipped with air bags. Children are safer when properly secured in a rear seat. See your vehicle Owner's Manual and child safety seat instructions for more information.

WIRING PROVISIONS FOR 12-VOLT BATTERY POWER SUPPLY



Police relay outputs and control circuit connections are located in right front footwell in a 5-foot (1.5 m) coil. Battery power is supplied through two fusible links, one 100-amp and one 60-amp, to three circuit breakers and two control relays located in the relay center. A 50-amp circuit breaker feeds power directly from the fusible links through a 10-gauge (5.0 mm^2) wire. Two 30-amp circuit breakers supply power from the fusible links through the contacts of the control relays to 12-gauge (3.0 mm^2) wires. Each relay is operated by an 18-gauge (0.8 mm^2), light or dark blue control lead included in the 5-foot (1.5 m) coil under the instrument panel. An 8-gauge (8.0 mm^2) ground lead is also provided in the 5-foot (1.5 m) coil. The total current available through the 12-volt power supply is 110-amps (1320-watts).

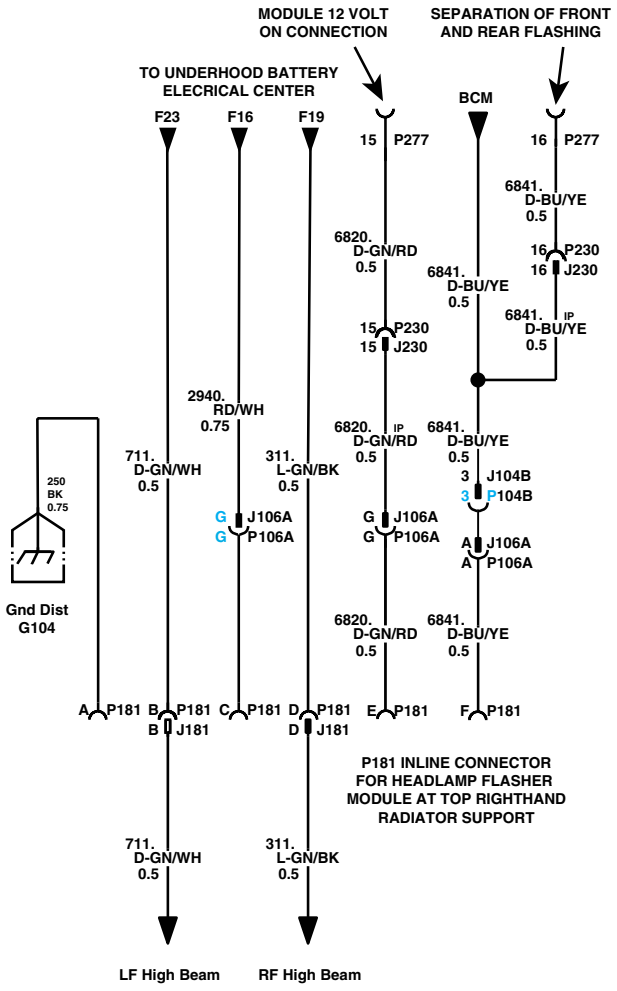
CONTROLLED POWER AND SIGNAL CIRCUITS WITH 12-VOLT POWER SUPPLY



Ignition controlled power and signal circuits are also included in the 5-foot (1.5 m) coiled harness.

- A brown, 20-gauge (0.5 mm^2) 10-amp fused circuit, HOT in ACCESSORY/RUN; fuse F16 is in the end of the instrument panel.
- A pink/blue, 20-gauge (0.5 mm^2) 10-amp fused circuit, HOT in START/RUN. Fuse is in the engine compartment fuse block. **This circuit is also located at the RH side of the trunk in a white connector above the rear auxiliary power junction block (See p. 13). Total power available for the combined front and rear circuits is 60 watts.**
- A yellow/black, 20-gauge (0.5mm^2) park signal from the Body Control Module (BCM). This circuit provides switched power (12-volts) when the transmission is not in PARK (P) and the engine is running. The electrical load attached to the park circuit must not exceed 0.5-amps (one relay coil).
- An orange, 20-gauge (0.5 mm^2) vehicle speed signal (4,000 pulses/mile) from the ABS module. Connect only high impedance load.
- A white, 22-gauge (0.3 mm^2) radio mute circuit. Mutes radio when grounded.

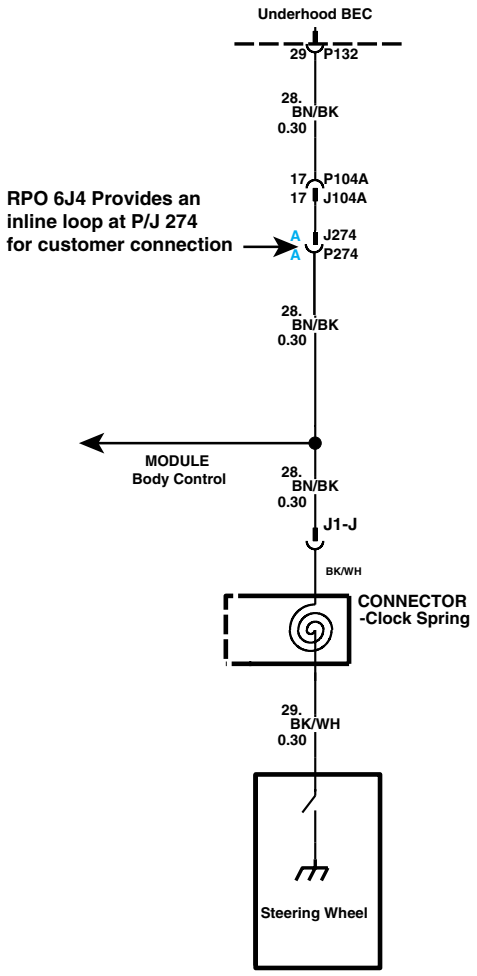
WIRING PROVISIONS FOR HEADLAMP AND REAR LAMPS FLASHING SYSTEM



An in-line connector in the forward lamp harness permits installation of a compatible flasher module for the exterior lamps Emergency Flashing System. The in-line flasher module connector is located at the RH end of the upper radiator support and includes two wiring circuits to the front compartment foot well. A dark green with red stripe wire is intended for customer connection to switched 12-volt power to activate the flasher module. A second dark blue with yellow stripe wire permits optional separate control of the headlamp flashing and rear lamps flashing. Separate control of the rear lamps flashing requires opening the dark blue-red control circuit at the in-line module connector and application of switched vehicle ground to the control wire in the forward compartment.

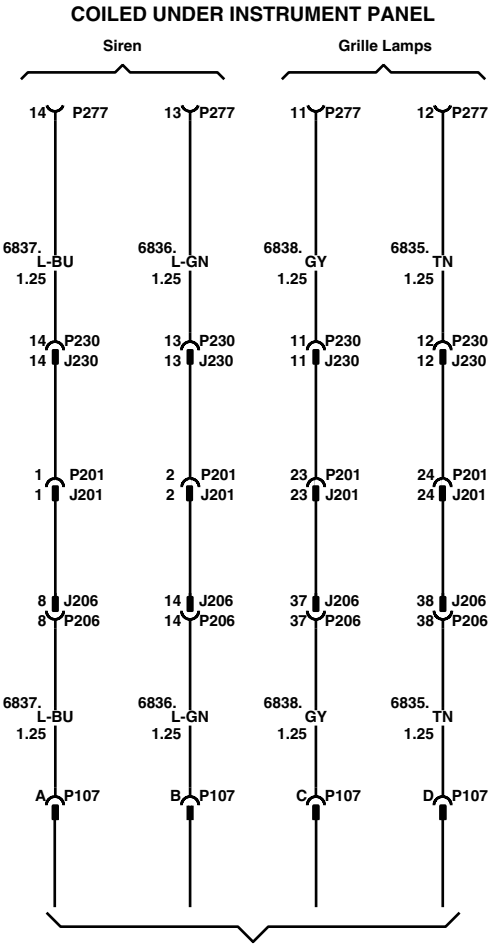
Note: Wiring diagrams for these options are shown in the Police Package owner's manual supplement (shipped in glove box).

WIRING PROVISION FOR HORN/SIREN CIRCUIT - OPTION 6J4



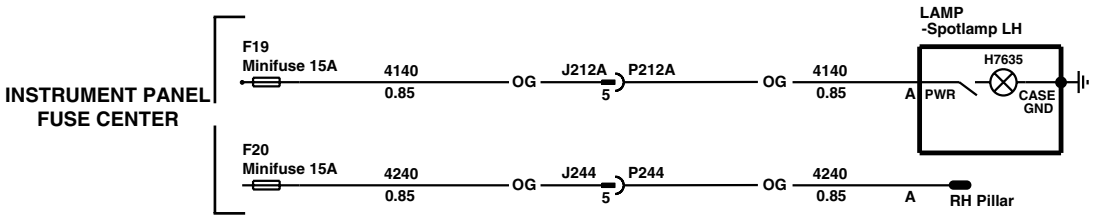
Two 20-gauge (0.5 mm²) wires are connected to an in-line connector in the horn circuit of the instrument panel harness under the instrument panel. The end of this harness extension is terminated with an in-line connector in a 60-inch coil under the instrument panel. Connection to customer switching permits operation of the horn or siren with the horn button.

WIRING PROVISIONS FOR GRILLE LAMPS AND SIREN/SPEAKER - OPTION 6J3



The SEO 6J3 wiring provision has a 5-foot (1.5 m) harness coiled underneath the instrument panel on the passenger side. The wiring circuits are routed from under the instrument panel to a 1-foot (30 cm) coil secured in the area behind the grille. There are four 16-gauge (1.0 mm²) wires for connecting to the grille lights (GY, TN) and siren speaker (LT BU, LT GN)

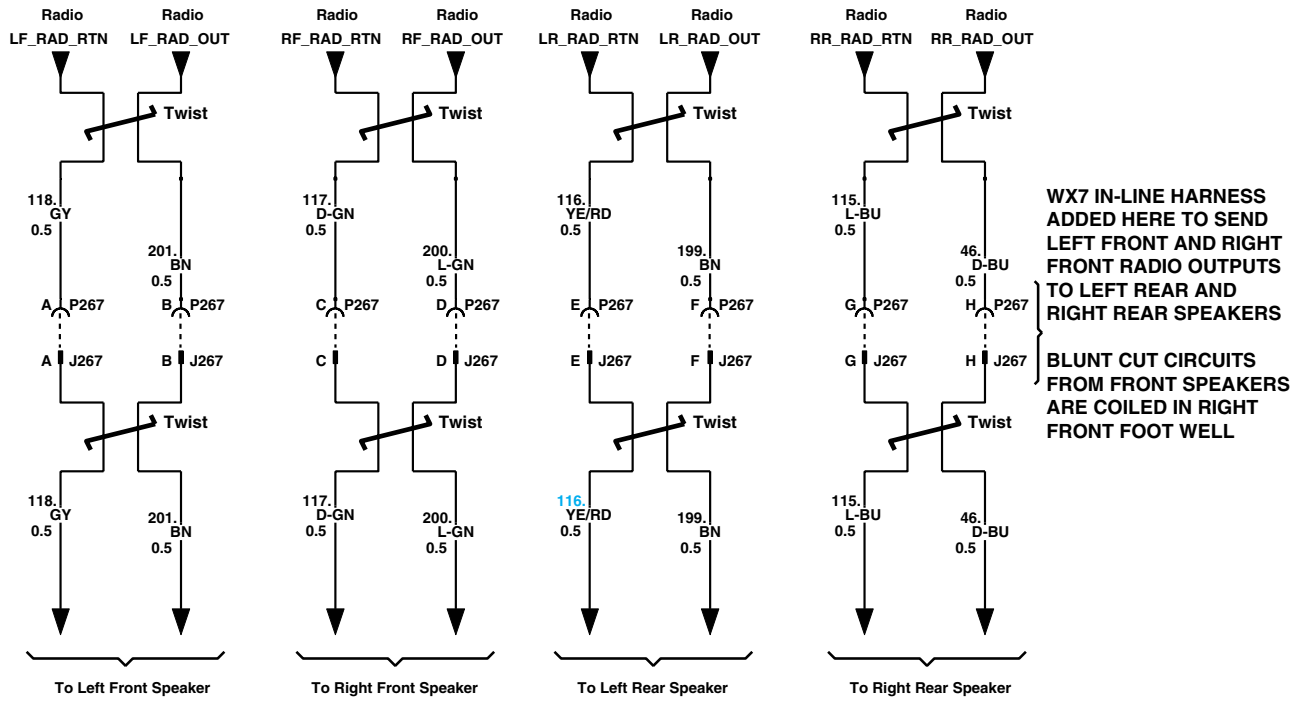
WINDSHIELD PILLAR-MOUNTED SPOTLAMP - OPTION 7X6



7X6 Spotlamp left hand, pillar-mounted unity, 6-inch with replaceable H3 halogen bulb; independently fused

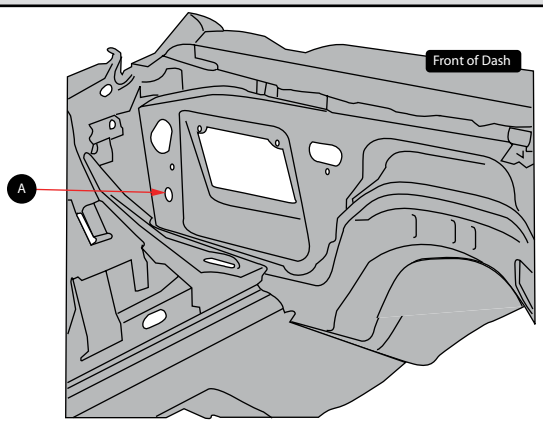
Note: Wiring diagrams for these options are shown in the Police Package owner's manual supplement (shipped in glove box).

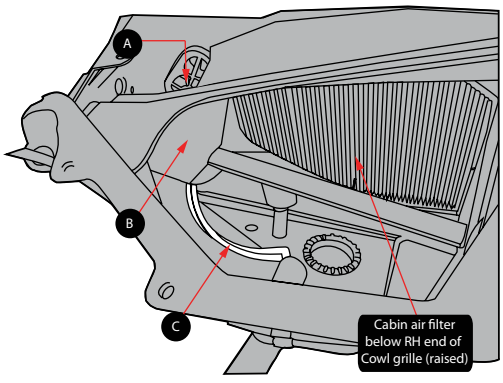
WIRING PROVISION FOR FRONT SPEAKERS - OPTION WX7

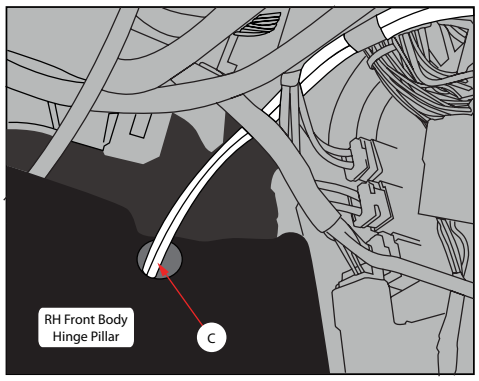


Approximately 60 inches of auxiliary speaker wire is run from the door-mounted speakers and coiled under the center of the instrument panel for customer connection to front speakers. Front speakers are not connected to vehicle radio. A vehicle radio mute circuit permits muting audio when police radio transmits.

WIRING PROVISION - 25MM ACCESS HOLE - RH DASH PANEL







A) Blanking grommet through front of dash below the oval wire grommet
B) Bulkhead in filter chamber
C) Possible upfit harness routing

GM offers Anti-Lock Brake Systems as standard or optional on all North American passenger vehicles and light truck lines. The computerized Anti-Lock Braking System (ABS) is designed to keep the vehicle's wheels rotating as the brakes are applied to assist the driver in achieving a controlled stop. Sensors monitor how fast the wheels rotate and feed the data continuously to the ABS computer. The vehicle's brakes slow each wheel as the brake pedal is applied. However, when ABS is activated due to road conditions, the system repeatedly releases and applies pressure to the brakes. The wheels can keep rolling, thus retaining steering ability and enhanced stability while providing a higher braking force on most surfaces than a locked wheel provides.

How exactly does ABS work?

In cars without ABS, hitting the brakes can cause the wheels to lock, leaving you unable to steer the vehicle until you decrease the pressure so the wheels can roll again. With an ABS, as you apply the brakes, the ABS computer monitors the wheel speed sensor information. If the computer senses that a wheel is approaching lock up, it sends a signal to the hydraulic modulator to reduce, then to reapply, brake pressure several times a second for as long as you maintain firm pressure on the brake pedal. The process is much like the threshold braking technique used with conventional brakes. However, ABS does it much faster and more accurately than any driver can, leaving you free to focus on steering away from obstacles.

Does ABS reduce stopping distances?

Yes, in braking situations where the wheels on a non-ABS equipped vehicle would lock up, ABS will generally provide shorter controlled stopping distance. The amount of improvement in stopping distance depends on many factors, including the road surface, severity of braking, initial vehicle speed, etc. On some surfaces, such as gravel roads, braking distances can be longer, but you will still have the control benefits of ABS. The important capability of ABS is control. ABS provides improved vehicle steerability and stability when braking.

What can affect the ABS advantage?

It is important that you follow the maintenance schedule recommended in the owner's manual of the vehicle, tires should be at their proper inflation level, the brake pads should be checked regularly, etc. While driving, you should sit comfortably, so that your hips are back in the seat and your knees are bent, even while braking. Your foot should be positioned so that your heel is on the floor and your toes are secure on the lower half of the pedal. And, though ABS may reduce stopping distance, remember: The faster you go, the longer it takes you to stop. Keeping a safe distance between you and the vehicle in front of you is always necessary, even with ABS.

What happens if ABS becomes inactive?

The ABS electronic control unit has on-board diagnostic capability. If a fault is detected, the vehicle will revert to the base brake system, and the ABS telltale on the dash will be illuminated. Should this happen, the vehicle should be taken to a dealership for repair as soon as possible.

How do I use ABS?

Depress and hold the pedal. DO NOT PUMP THE BRAKES (that prevents the system from working). Just hold the brake pedal down and let the ABS work for you. You may feel the brake pedal vibrate, or you may notice some noise, but this is normal as the system works for you.

Should I drive an ABS equipped vehicle differently than I would drive a vehicle with conventional brakes?

Most of the time, under normal driving circumstances, there is no difference, and you should always drive with the same caution and care. It is important to realize that ABS only makes a difference when it is activated—when you have to brake hard—and that would only be when the computer senses that a wheel is approaching lock up. When ABS activates keep steady pressure on the brake pedal and then let the ABS work for you. Don't pump the brakes or try to find the threshold. Simply hold the brake pedal down and steer if necessary to avoid an obstacle.

Is ABS always active?

ABS is always available, but not always activated. ABS is activated only when the brake pedal is applied and the computer detects an impending wheel lock condition.

Can older cars be retrofitted with ABS?

No! The brake system is one of the most important features on any passenger vehicle.

Several products, which tap into the master cylinder and/or brake system performance, are being sold in the aftermarket. Some of these products imply performance similar to new vehicle anti-lock brake systems.

However, contrary to their claims, add-on systems, which deplete fluid from the master cylinder on brake apply may actually increase a vehicle's stopping distance. This may cause the vehicle to fail to comply with Federal brake standards.

Does ABS always activate at the same speed?

No, the system operates when the computer detects wheel lockup, at any speed above 8 mph.

Will ABS wear out a vehicle's brakes sooner?

A properly maintained brake system will be unaffected by ABS operation under typical driving conditions.

Are there different types of ABS?

Yes, there are rear wheel anti-lock systems (RWAL) used on some trucks and four-wheel ABS available on cars and trucks.

Do Federal Safety Standards mandate ABS?

No. Federal standards establish minimum braking performance requirements that all vehicles must meet, but do not specify how they should be met. It should be noted that even a vehicle with failed ABS meets the Federal safety standard for stopping distances.

Will a tire size change affect ABS?

Use of tires other than original equipment may affect ABS performance. Owners should consult and follow the recommendations contained in the vehicle owner's manual regarding replacement tire size. ***Note: ABS will work with original equipment spare tire or tire chains. However, performance is reduced.***

Do insurance companies give a discount for ABS?

Yes, many insurance companies give discounts that range from 5% to 10%. In the states of New York and Florida all insurance companies are required to give an ABS discount of 5% on certain coverages such as bodily injury, property damage, collision, and personal injury protection. In other states the discount varies from insurance company to insurance company. When buying auto insurance, always ask your insurance agent if his/her company gives a discount for vehicles equipped with anti-lock brakes.

IMPORTANT DRIVING SAFETY TIPS

A. **Always maintain a safe following distance.** ABS does not allow you to stop on a dime. (Generally a 2-second following distance is considered safe in ideal conditions.) Watch the vehicle in front of you pass a fixed marker (such as a sign). Count seconds—one-thousand-one, one-thousand-two-until your front bumper reaches the marker. If you do not count out two seconds, then you are too close to the vehicle in front of you. Also, if the roads are wet or icy, or visibility is poor, you should increase your following distance.

B. **Always drive carefully—** especially on slippery surfaces. ABS cannot create friction between the tires and the road surface, it can only give the driver the maximum advantage of the existing adhesion. If the vehicle is traveling on a surface with no adhesion, the best ABS in the world cannot provide a shorter stopping distance or good steering.

C. **It is a good idea to practice an ABS activated stop** and get the feel of the brake pedal. However, please make sure it's at a safe time with no obstacles in your path. And you only really need to try it once or twice to know what happens.

STABILITY ENHANCEMENT SYSTEMS (StabiliTrak)

Stability enhancement system (StabiliTrak) assists the driver with directional control of the vehicle in difficult driving conditions. Each time the vehicle is started, the StabiliTrak system is fully ON. StablliTrak can be controlled by a StabiliTrak button on the instrument panel. The condition of the system is displayed by an instrument panel StabiliTrak indicator light and Driver Information Center (DIC) messages. See your owner's manual for additional information about the operation of StabiliTrak.

Date: April 1, 2010

To: Whom it may concern

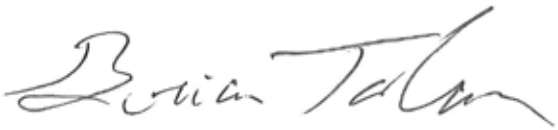
Subject: 2011 Model Year Caprice

The following is true of the certified speedometer calibration specifications, at ambient temperature of -10 to 120 degrees F. Inaccuracies due to vehicle speed sensing are included.

Actual Vehicle Speed	Indicated Speed
0 to 120 MPH	+/- 2 MPH

Note:
The speedometer calibration is specific for a 6.0L engine, automatic transmission with a 2.92 axle and P235/50R18 tires.

Regards,



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CHEVROLET
POLICE
VEHICLES
GMFLEET.COM

UPDATES FOR 2011

New Features

- (C67) Single-zone manual air conditioning

Changes

- (6J3) Grille lamps and siren speaker wiring harness is redesigned without the alternating flasher to be used with LED-type lamps

Deletions

- (C68) Dual-zone manual air conditioning
- (61U) Aqua Blue Metallic

Shown with Aftermarket Equipment.

This vehicle has been designed for police work up to and including high speed emergency vehicle operations.
GM restricts the sale of police vehicles and they are not to be sold to retail customers.

SOME STANDARD EQUIPMENT MAY BE REPLACED BY SPECIAL EQUIPMENT WHEN THE POLICE PACKAGE 9C1 IS ORDERED

MODEL AVAILABILITY

1WS19	Front-wheel drive

STANDARD EQUIPMENT SUMMARY

WARRANTY	3 years / 36,000 mile bumper-to-bumper (whichever comes first, see dealer for details) 5 years / 100,000 mile limited powertrain (whichever comes first, see dealer for details)

INTERIOR FEATURES

AIR CONDITIONING	Single-zone manual, with air filtration and environmentally friendly refrigerant R134A
CRUISE CONTROL	Electronic with set and resume speed
CUP HOLDER	Cup holder with storage tray between seats
DOME LAMPS	Auxiliary, interior, sustained illumination
FLOOR COVERING	Carpeting front and rear (carpeted mats are available; see option B34 on page 9)
GLASS	Tinted windshield, backlight and side glass
MIRRORS, VISOR	Visor, left hand and right hand with covered vanity mirrors
MIRROR, REARVIEW	Inside rearview is manual day night with driver and passenger map lamps
RADIO	Electronically tuned AM/FM stereo with CD player, seek-scan, digital clock, auto-tone control, theftlock with integrated rear window antenna (radio delete is not available)
RESTRAINT SYSTEM	Safety belts with dual stage driver and passenger frontal air bags[1] with passenger sensing system and frontal air bag[1] ON/OFF indicator; dual head curtain air bags[1] for front and rear outboard occupants and front seat back mounted thorax air bags[1]
SEAT, FRONT	High density foam cloth bucket seats with seat back security panel, 6-way power driver and passenger seat adjusters (see page 4) and manual reclining seat backs. Driver seat has manual lumbar control. Front seat frames are strengthened from side impact resistance (see page 18)
SEAT, REAR	Vinyl bench with high density foam (see page 4)
SMOKER'S PACKAGE	Not available
SPEEDOMETER/CLUSTER	140 mph certified analog speedometer, 5 mph increments with digital trip odometer and warning lamps. Driver Information Center; includes 1 mph redundant digital speed display (see message center listing on page 17)
STEALTH MODE	See exterior lamps control on page 21 for operation description
STEERING WHEEL	Tilt-wheel with column mounted gear shift lever
THEFT DETERRENT	Vehicle theft PASS-Key® III+, content theft deterrent is disabled (to enable content theft deterrent option UA6 must be ordered)
TRUNK MAT	Heavy-duty (see page 18)
TRUNK RELEASE	Electric (not ignition controlled), button located on instrument panel, left of steering column; manual inside trunk safety release (ignition control release is available; see option A98 on page 9)
WARNING LIGHTS	Brake, safety belt, air bag[1], anti-lock brake and check engine (see page 17 for additional information)
WARNING TONES	Key-in-ignition, driver door open, driver and passenger safety belt not buckled, headlamps on
WINDOW OPERATION	Power with driver express down, rear window lockout switch

ELECTRICAL FEATURES

AUXILIARY POWER, FRONT	100-amp ignition and main power supply wiring under lower right side of instrument panel (see wiring provisions for 12-volt battery power supply on page 19 and 27)
AUXILIARY POWER, TRUNK	100-amp auxiliary power outlet in trunk (see page 29)
GROUND STUD	Auxiliary, located in trunk (see page 29)
POWER OUTLETS	2 auxiliary power outlets for additional plug-in equipment located on lower center of instrument panel
WIRING DIAGRAMS	See pages 27 through 33 for description; also see Impala Police Package owner's manual supplement (located in glove box folder with standard owner's manual)
WIRING PROVISION, EXTERIOR LAMPS FLASHING	Forward lamp harness in-line connector for Exterior Lamp Flashing System (see option 6J7 on page 9)

1. Head curtain side air bags are designed to help reduce the risk of head and neck injuries to front and rear seat occupants on the near side of certain side-impact collisions. Always use safety belts and the correct child restraints for your child's age and size, even in vehicles equipped with air bags. Children are safer when properly secured in a rear seat. See your vehicle Owner's Manual and child safety seat instructions for more information.

EXTERIOR FEATURES

BODY PANELS	Two-sided galvanized steel for all exterior body panels (except roof where not needed)
DEFOGGER	Electric, rear window
DOOR LOCKS	Power non-programmable (automatic door locking and unlocking feature is disabled), child safety locks in rear doors, driver door lock cylinder; trunk keylock cylinder (see page 9); lock cylinders no longer available on passenger front door
HEADLAMPS	Dual halogen composite, includes flash-to-pass feature and automatic lamps control with daytime running lamps (to delete automatic control, see option 9G8 on page 18 and exterior lamps control on page 21)
KEYLESS ENTRY	Includes two transmitters with non-functional panic button; the keyless entry system used on the police Impala includes a stealth mode feature. When the "unlock" or "lock" button is depressed, no exterior lamps or audible sounds are activated; however, the interior OEM dome lamp will illuminate unless option 7Y6 lamps, inoperative dome and courtesy lamps is ordered; during remote start feature, running lamps will remain illuminated (additional transmitters are available; see option AMF on page 9)
KEYS	Two-sided, random code, for ignition, driver door and trunk only; single key locking system to operate entire fleet is available (fleet coded single key is available; see 6E2 and 6E8 option on page 9)
LICENSE PLATE	Mounting hardware located in glove box; front bracket standard in states requiring front license plates; others must order option VK3
MIRRORS, REARVIEW	Body color, electric Left hand and right hand remote (heated mirrors are available; see option DK2 on page 9)
ONSTAR	Not available with Police Package
PAINT	Base coat/clear coat
TRUNK LAMP	Standard
UNDER HOOD LAMP	Not available
WINDSHIELD WIPERS	Intermittent, anti-lift with washer

CHASSIS FEATURES

ALTERNATOR	150-amp with idle boost (transmission in PARK or NEUTRAL) controlled by battery energy level sensing
BATTERY	720 cca with battery rundown protection; automatically shuts off courtesy lamps (reading/map lamps, trunk and glove box lamps) to protect the battery; lamps are automatically turned off after 20 minutes if they are left on and the ignition is in the "OFF" position (does not protect customer installed equipment)
BODY	Heavy-duty reinforced body components
BRAKES	4-wheel anti-lock disc brakes with police calibration and heavy-duty front brake pads
COOLING	Heavy-duty (high capacity) with 225-watt fans and extended life coolant; coolant hoses are EPDM (ethylene-propylene-diene monomer) rubber; silicone hoses are not required (coolant is DEX-COOL good for 5 years/150.000 miles, protects from -34° F to +265° F and against rust and corrosion)
CHASSIS LUBRICATION	Lubed-for-life chassis
ENGINE	3900 series SFI V6 with FlexFuel[2] (gas or E85 ethanol); includes wide open throttle air conditioning cut off (when overhead lamps, spotlamps, radio antennas, sirens, and other emergency equipment are installed, overall performance may be somewhat lower)
EXHAUST SYSTEM	Stainless steel, single with dual outlets
FUEL TANK CAPACITY	17 gallon (64 liters)
OIL COOLERS	Engine, transmission and power steering oil cooler: external air-to-oil, fin-type (see page 18)
RADIO SUPPRESSION	Extended life - iridium tip spark plugs and wires that are designed to reduce radio frequency noise levels which may affect communications equipment including operating frequencies in the 38-MHz to 58-MHz range. The Impala is designed with unibody construction, and multiple grounding points are provided for the vehicle electrical system. No additional ground straps are added for the Police Package
STARTER INTERRUPT	Prevents starter from engaging while the engine is running
STEERING	Power, rack and pinion
STRUTS, FRONT	Heavy-duty
SUSPENSION	4-wheel independent, firm ride and handling with increased ride height springs, heavy-duty front and rear stabilizer bars
TIRES	P225/60R16 SBR blackwall, "V" rated with compact spare (full-size spare is available; see option N81 on page 9)
TIRE PRESSURE MONITOR	CHECK TIRE PRESSURE will show on driver message center (see page 17 for description)
TRANSMISSION	Heavy-duty 4T65E 4-speed automatic, electronically-controlled transmission provides protection against over-revving the engine in low gear and a mechanical low gear blockout is not required; if a driver manually selects low gear and fails to manually upshift to high gear, the powertrain control module automatically protects the drivetrain (traction control is not available on Police Package)
WHEELS	16" x 6.5" heavy-duty steel
WHEEL CENTER CAP	Chrome bolt-on metal

2. E85 is 85% ethanol and 15% gasoline. To see if there is an E85 station near you, go to www.gmaltfuel.com/e85-station-locator.

POWERTRAIN

ENGINE				TRANSMISSION		AXLE	
OPTION CODE	TYPE	DISPLACEMENT LITERS/CU. IN.	FUEL SYSTEM	OPTION CODE	TYPE	OPTION CODE	RATIO
LGD	V6	3.9/238	FlexFuel[2] (gas or E85 ethanol)	MXO/M15	4T65E 4-speed auto. with OD	FR9	3.29

EMISSIONS - MUST BE SPECIFIED

FE9	FEDERAL EMISSIONS. Use for ordering vehicles that will be registered in all states except California, Connecticut, Maine, Maryland, Massachusetts, New Jersey, New Mexico, New York, Oregon, Pennsylvania, Rhode Island, Vermont and Washington State
YF5	CALIFORNIA EMISSIONS. Use for ordering vehicles that will be registered in California.
NE1	CT/ME/MD/MA/NJ/NM/NY/OR/PA/RI/VT/WA EMISSIONS. Use for ordering vehicles that will be registered in Connecticut, Maine, Maryland, Massachusetts, New Jersey, New Mexico, New York, Oregon, Pennsylvania, Rhode Island, Vermont or Washington State
NB8	Required when option code FE9 "FEDERAL EMISSIONS" is ordered for delivery to a dealer located in California, Connecticut, Massachusetts, Maryland, New Jersey, New Mexico, New York, Oregon, Pennsylvania, Rhode Island and Washington State for a purchaser who will be registering the vehicle outside California, Connecticut, Maine, Maryland, Massachusetts, New Jersey, New Mexico, New York, Oregon, Pennsylvania, Rhode Island, Vermont and Washington State.
NC7	Required when option code YF5 "CALIFORNIA EMISSIONS" or option code NE1 "CT/ME/MD/MA/NJ/NM/NY/OR/PA/RI/VT/WA EMISSIONS" is ordered for delivery to a dealer located in any state except California, Connecticut, Maine, Maryland, Massachusetts, New Jersey, New Mexico, New York, Oregon, Pennsylvania, Rhode Island, Vermont and Washington for a purchaser who will be registering the vehicle in one of these states or sold as permitted below under "EPA Policy on the Sale of California Emission Vehicles"
NB9	Required when option code YF5 is ordered for delivery to a dealer located in Connecticut, Maine, Maryland, Massachusetts, New Jersey, New Mexico, New York, Oregon, Pennsylvania, Rhode Island, Vermont and Washington. Required when option code NE1 is ordered for delivery to a dealer located in California.

TIRES - SPEED RATED

MANUFACTURER	QUANTITY	SIZE	SPEED RATING	TYPE
Pirelli	Four	P225/60R16 SBR blackwall	V	AL3

Note: *• Compact spare is standard (full-size spare is available see option N81 on page 9)*
• Due to specific requirements for performance, durability and safety, GM recommends only the original equipment tire for replacement

SEATS AND INTERIOR TRIM

		SEAT OPTIONS	EBONY
STANDARD	Front: Cloth buckets (power driver and passenger) Rear: Vinyl bench	AR9	19G
OPTIONAL	Front: Cloth buckets (power driver and passenger) Rear: Cloth bench	AR9	19E

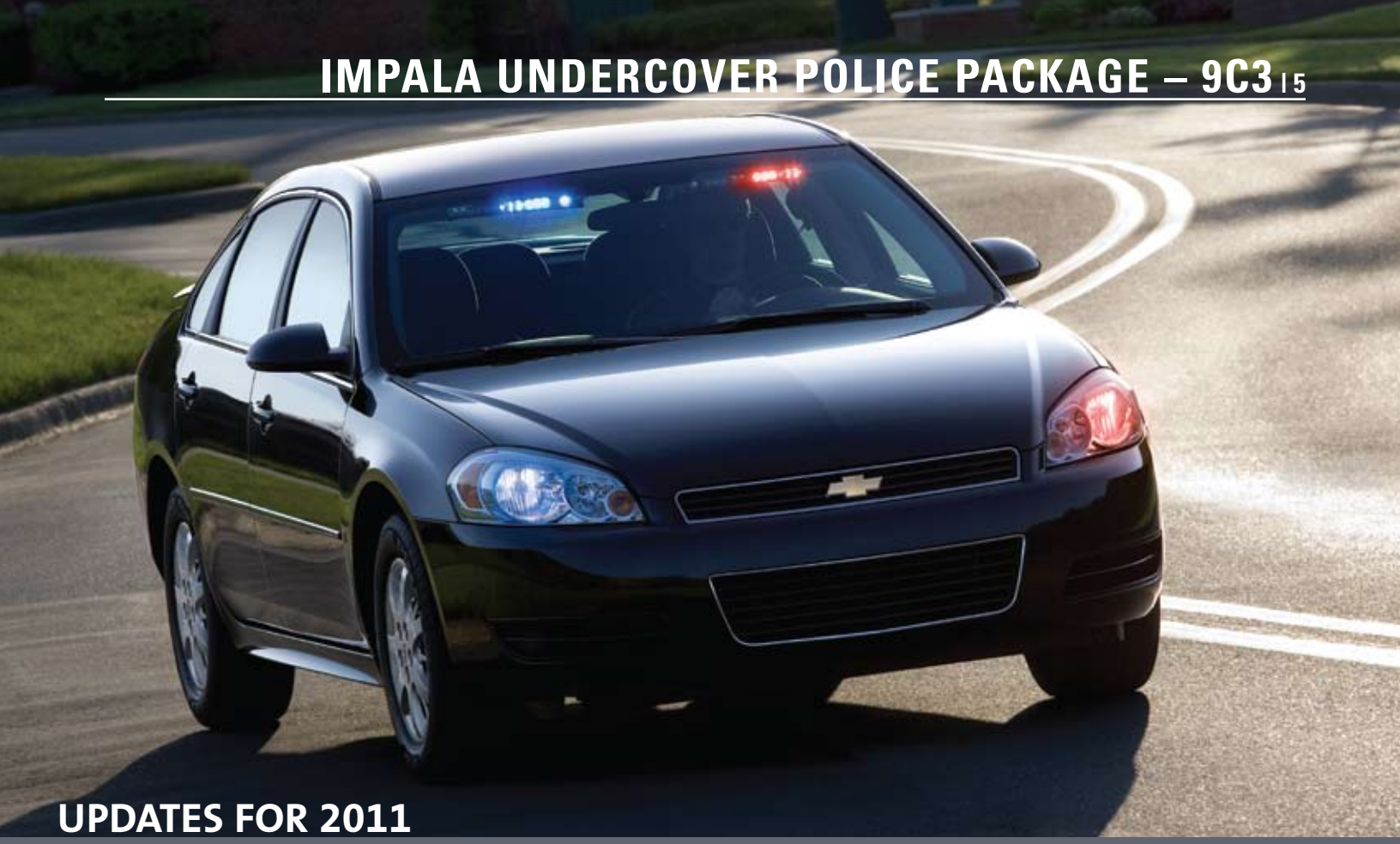
AVAILABLE EXTERIOR COLORS

Silver Ice Metallic | Imperial Blue Metallic | Black | Summit White | Gold Mist Metallic | Cyber Gray Metallic | Victory Red

Note: For special paint see page 11 through 16

Actual colors may vary

2. E85 is 85% ethanol and 15% gasoline. To see if there is an E85 station near you, go to www.gmaltfuel.com/e85-station-locator.



UPDATES FOR 2011

New Features

- (C67) Single-zone manual air conditioning

Changes

- (6J3) Grille lamps and siren speaker wiring harness is redesigned without the alternating flasher to be used with LED-type lamps

Deletions

- (C68) Dual-zone manual air conditioning
- (61U) Aqua Blue Metallic

Shown with Aftermarket Equipment.

This vehicle has been designed for police work up to and including high speed emergency vehicle operations.
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SOME STANDARD EQUIPMENT MAY BE REPLACED BY SPECIAL EQUIPMENT WHEN THE POLICE PACKAGE 9C1 IS ORDERED

MODEL AVAILABILITY

1WS19	Front-wheel drive

STANDARD EQUIPMENT SUMMARY

WARRANTY	3 years / 36,000 mile bumper-to-bumper (whichever comes first, see dealer for details) 5 years / 100,000 mile limited powertrain (whichever comes first, see dealer for details)

INTERIOR FEATURES

AIR CONDITIONING	Single-zone manual, with air filtration and environmentally friendly refrigerant R134A
CRUISE CONTROL	Electronic with set and resume speed
FLOOR COVERING	Carpeting front and rear (carpeted mats are available; see option B34 on page 9)
DOME LAMPS	Auxiliary, interior, sustained illumination
GLASS	Tinted, windshield, backlight and side glass
MIRRORS, VISOR	Visor, left hand and right hand with covered vanity mirrors
MIRROR, REARVIEW	Inside rearview is manual day night with driver and passenger map lamps
RADIO	Electronically tuned AM/FM stereo with CD player, seek-scan, digital clock, auto-tone control, theftlock with integrated rear window antenna (radio delete is not available)
RESTRAINT SYSTEM	Safety belts with dual stage driver and passenger frontal air bags[1] with passenger sensing system and frontal air bag[1] ON/OFF indicator; dual head curtain air bags[1] for front and rear outboard occupants and front seat back mounted thorax air bags[1]
SEAT, FRONT	40/20/40 high density foam splint-bench cloth seat with folding arm rest and cup holder, 6-way power driver seat with recliner and manual lumbar, 6-way power passenger seat with manual reclining seat back and strengthened front seat (see page 18)
SEAT, REAR	Cloth with high density foam
SMOKER'S PACKAGE	Not available
SPEEDOMETER/CLUSTER	140 mph certified analog speedometer, 5 mph increments with digital trip odometer, frames for side impact resistance, and warning lights. Driver Information Center includes 1 mph redundant digital speed display (see message center listing on page 17)
STEALTH MODE	See exterior lamps control on page 21 for operation description
STEERING WHEEL	Tilt-wheel with column mounted gear shift lever
THEFT DETERRENT	Vehicle theft PASS-Key® III+, content theft deterrent is disabled (to enable content theft deterrent option ua6 must be ordered)
TRUNK MAT	Heavy-duty (see page 18)
TRUNK RELEASE	Electric (not ignition controlled), button located on instrument panel, left of steering column; manual inside trunk safety release (ignition control is available; see option A98 on page 9)
WARNING LIGHTS	Brake, safety belt, air bag[1], anti-lock brake and check engine (see page 17 for additional information)
WARNING TONES	Key-in-ignition, driver door open, driver and passenger safety belt not buckled, headlamps on
WINDOW OPERATION	Power with rear window lockout switch

ELECTRICAL FEATURES

AUXILIARY POWER, FRONT	100-amp ignition and main power supply wiring under lower right side of instrument panel (see wiring provisions for 12-volt battery power supply on page 19 and 27)
AUXILIARY POWER, TRUNK	100-amp auxiliary power outlet in trunk (see page 29)
GROUND STUD	Auxiliary, located in trunk (see page 29)
POWER OUTLETS	2 auxiliary power outlets for additional plug-in-equipment located on lower center of instrument panel
WIRING DIAGRAMS	See pages 27 through 33 for description; also see Impala Police Package owner's manual supplement (located in glove box folder with standard owner's manual)
WIRING PROVISION, EXTERIOR LAMPS FLASHING	Forward lamp harness in-line connector for Exterior Lamp Flashing System (see option 6J7 on page 9)

1. Head curtain side air bags are designed to help reduce the risk of head and neck injuries to front and rear seat occupants on the near side of certain side-impact collisions. Always use safety belts and the correct child restraints for your child's age and size, even in vehicles equipped with air bags. Children are safer when properly secured in a rear seat. See your vehicle Owner's Manual and child safety seat instructions for more information.

EXTERIOR FEATURES

BODY PANELS	Two-sided galvanized steel for all exterior body panels (except roof where it is not needed)
DEFOGGER	Electric, rear window
DOOR LOCKS	Power non-programmable (automatic door locking and unlocking feature is disabled), child safety locks in rear doors, driver door lock cylinder; trunk keylock cylinder (see page 18) lock cylinders no longer available on passenger front door
HEADLAMPS	Dual halogen composite, includes flash-to-pass feature and automatic lamp control with daytime running lamps (to delete automatic control, see option 9G8 on page 9 and exterior lamps control on page 21)
KEYLESS ENTRY	Includes two transmitters with non-functional panic button; the keyless entry system used on the police Impala includes a stealth mode feature. When the "unlock" or "lock" button is depressed, no exterior lamps or audible sounds are activated; however, the interior OEM dome lamp will illuminate unless option 7Y6 lamps, inoperative dome and courtesy lamps is ordered; during remote start feature, running lamps will remain illuminated (additional transmitters are available; see option AMF on page 9)
KEYS	Two-sided, random code, for ignition, driver door and trunk only; single key locking system to operate entire fleet is available (fleet coded single key is available; see option 6E2 and 6E8 on page 9)
LICENSE PLATE	Mounting hardware located in glove box; front bracket standard in states requiring front license plates; others must order option VK3
MIRRORS, REARVIEW	Body color, electric left hand and right hand remote (heater mirrors are available; see option DK2 on page 9)
ONSTAR	Not available with Police Package
PAINT	Base coat/clear coat
TRUNK LAMP	Standard
UNDER HOOD LAMP	Not available
WINDSHIELD WIPERS	Intermittent, anti-lift with washer

CHASSIS FEATURES

ALTERNATOR	150-amp with idle boost (transmission in PARK or NEUTRAL) controlled by battery energy level sensing
BATTERY	720 cca with battery rundown protection; automatically shuts off courtesy lamps (reading/map lamps, trunk and glove box lamps) to protect the battery; lamps are automatically turned off after 20 minutes if they are left on and the ignition is in the "OFF" position (does not protect customer installed equipment)
BODY	Heavy-duty reinforced body components
BRAKES	4-wheel anti-lock disc brakes with police calibration and heavy-duty front brake pads
COOLING	Heavy-duty (high capacity) with 225-watt fans and extended life coolant; coolant hoses are EPDM (ethylene-propylene-diene monomer) rubber; silicone hoses are not required (coolant is DEX-COOL good for 5 years/150.000 miles, protects from -34° F to +265° F and against rust and corrosion)
CHASSIS LUBRICATION	Lubed-for-life chassis
ENGINE	3900 series SFI V6 with FlexFuel[2] (gas or E85 ethanol); includes wide open throttle air conditioning cut off (when overhead lamps, spotlamps, radio antennas, sirens, and other emergency equipment are installed, overall performance may be somewhat lower)
EXHAUST SYSTEM	Stainless steel, single with dual outlets
FUEL TANK CAPACITY	17 gallon (64 liters)
OIL COOLERS	Engine, transmission and power steering oil cooler: external air-to-oil, fin-type (see page 18)
RADIO SUPPRESSION	Extended life - iridium tip spark plugs and wires that are designed to reduce radio frequency noise levels which may affect communications equipment including operating frequencies in the 38-MHz to 58-MHz range. The Impala is designed with unibody construction, and multiple grounding points are provided for the vehicle electrical system. No additional ground straps are added for the Police Package
STARTER INTERRUPT	Prevents starter from engaging while the engine is running
STEERING	Power, rack and pinion
STRUTS, FRONT	Heavy-duty
SUSPENSION	4-wheel independent, firm ride and handling with increased ride height springs, heavy-duty front and rear stabilizer bars
TIRES	P225/60R16 SBR blackwall, "V" rated with compact spare (full-size spare is available; see option N81 on page 9)
TIRE PRESSURE MONITOR	CHECK TIRE PRESSURE will show on driver message center (see page 17 for description)
TRANSMISSION	Heavy-duty 4T65E 4-speed automatic, electronically-controlled transmission provides protection against over-revving the engine in low gear and a mechanical low gear blockout is not required; if a driver manually selects low gear and fails to manually upshift to high gear, the powertrain control module automatically protects the drivetrain (traction control is not available on Police Package)
WHEELS	16" x 6.5" heavy-duty steel
WHEEL COVERS	Full-size plastic wheel covers

2. E85 is 85% ethanol and 15% gasoline. To see if there is an E85 station near you, go to www.gmaltfuel.com/e85-station-locator.

POWERTRAIN

ENGINE				TRANSMISSION		AXLE	
OPTION CODE	TYPE	DISPLACEMENT LITERS/CU. IN.	FUEL SYSTEM	OPTION CODE	TYPE	OPTION CODE	RATIO
LGD	V6	3.9/238	FlexFuel[2] (gas or E85 ethanol)	MXO/M15	4T65E 4-speed auto. with OD	FR9	3.29

EMISSIONS - MUST BE SPECIFIED

FE9	FEDERAL EMISSIONS. Use for ordering vehicles that will be registered in all states except California, Connecticut, Maine, Maryland, Massachusetts, New Jersey, New Mexico, New York, Oregon, Pennsylvania, Rhode Island, Vermont and Washington State
YF5	CALIFORNIA EMISSIONS. Use for ordering vehicles that will be registered in California.
NE1	CT/ME/MD/MA/NJ/NM/NY/OR/PA/RI/VT/WA EMISSIONS. Use for ordering vehicles that will be registered in Connecticut, Maine, Maryland, Massachusetts, New Jersey, New Mexico, New York, Oregon, Pennsylvania, Rhode Island, Vermont or Washington State
NB8	Required when option code FE9 "FEDERAL EMISSIONS" is ordered for delivery to a dealer located in California, Connecticut, Massachusetts, Maryland, New Jersey, New Mexico, New York, Oregon, Pennsylvania, Rhode Island and Washington State for a purchaser who will be registering the vehicle outside California, Connecticut, Maine, Maryland, Massachusetts, New Jersey, New Mexico, New York, Oregon, Pennsylvania, Rhode Island, Vermont and Washington State.
NC7	Required when option code YF5 "CALIFORNIA EMISSIONS" or option code NE1 "CT/ME/MD/MA/NJ/NM/NY/OR/PA/RI/VT/WA EMISSIONS" is ordered for delivery to a dealer located in any state except California, Connecticut, Maine, Maryland, Massachusetts, New Jersey, New Mexico, New York, Oregon, Pennsylvania, Rhode Island, Vermont and Washington for a purchaser who will be registering the vehicle in one of these states or sold as permitted below under "EPA Policy on the Sale of California Emission Vehicles"
NB9	Required when option code YF5 is ordered for delivery to a dealer located in Connecticut, Maine, Maryland, Massachusetts, New Jersey, New Mexico, New York, Oregon, Pennsylvania, Rhode Island, Vermont and Washington. Required when option code NE1 is ordered for delivery to a dealer located in California.

TIRES - SPEED RATED

MANUFACTURER	QUANTITY	SIZE	SPEED RATING	TYPE
Pirelli	Four	P225/60R16 SBR blackwall	V	AL3

Note: *• Compact spare is standard (full-size spare is available see option N81 on page 9)*
• Due to specific requirements for performance, durability and safety, GM recommends only the original equipment tire for replacement

SEATS AND INTERIOR TRIM

		SEAT OPTIONS	EBONY
STANDARD	Front Cloth 40/20/40 split-bench Rear: Cloth full bench	AN3	19C

AVAILABLE EXTERIOR COLORS

17U	37U	41U	50U	51U	57U	74U
Silver Ice Metallic	Imperial Blue Metallic	Black	Summit White	Gold Mist Metallic	Cyber Gray Metallic	Victory Red

Note: For special paint see page 11 through 16

Actual colors may vary

2. E85 is 85% ethanol and 15% gasoline. To see if there is an E85 station near you, go to www.gmaltfuel.com/e85-station-locator.

B86	**BODY SIDE MOLDINGS** - Body-color (installed on all 4 doors)
UA6	**CONTENT THEFT DETERRENT ALARM SYSTEM** - Requires AP3 remote start, unauthorized entry sounds horn and lamps flash
9G8	**DELETE DAYTIME RUNNING LAMPS AND AUTOMATIC HEADLAMPS**
6J7	**FLASHER SYSTEM, HEADLAMP AND TAIL LAMP** - DRL compatible, headlamp flasher module with control wire and body control module rear lamp flashing
6A3	**FLOOR COVERING** - Heavy-duty vinyl replaces production carpeting (carpeted mats not available)
6B2	**HANDLES** - Rear door inoperative (doors can be opened only from outside)
K05	**HEATER** - Engine block
6B7	**HOLE IN ROOF** - On center line requires 6F5 wiring (not available with 6J5 hole)
6J5	**HOLE IN ROOF** - On passenger side requires 6F5 wiring (not available with 6B7 hole)
AMF	**KEYLESS ENTRY TRANSMITTERS - Fleet Package includes 6 additional transmitters. Transmitters are not programmed. Each transmitter, including the two standard with the vehicle, must be programmed together by a dealer at customer expense. Transmitter programming is not a warranty item. Note: Vehicle specific, common fleet transmitter frequency not available**
6E2	**KEY COMMON** - Complete vehicle fleet, provides a single key with a specific code that is common to the door locks and ignition of all the vehicles in the vehicle fleet; key code is an alternate to SEO 6E8 key common, complete vehicle fleet; not compatible with 2005 and earlier Impalas, 2006 and earlier Tahoes and 2011 Caprice
6E8	**KEY COMMON** - Complete vehicle fleet, provides a single key with a specific code that is common to the door locks and ignition of all the vehicles in the vehicle fleet; key code is an alternate to SEO 6E2 key common, complete vehicle fleet; not compatible with 2005 and earlier Impalas and 2006 and earlier Tahoes and 2011 Caprice
6C7	**LAMP** - Front auxiliary dome
7Y6	**LAMP** - Inoperative dome and courtesy lamps
6J6	**LAMPS** - Rear window auxiliary stop/turn signals
T53	**LAMPS** - Alternate flashing trunk lid warning
VK3	**LICENSE PLATE BRACKET** - Front (bracket standard for states requiring front license plate)
6N6	**LOCKS** - Rear door inoperative
B34	**MATS** - Carpeted front and rear (not available with 6A3)
DK2	**MIRRORS** - Heated outside rearview, power, body color
D81	**REAR SPOILER**
6N5	**REAR WINDOW SWITCHES INOPERATIVE** - Rear windows only operate from driver's position
AP3	**REMOTE VEHICLE STARTER SYSTEM** - Includes remote keyless entry
7X6	**SPOTLAMP** - Left hand, separately fused
7X7	**SPOTLAMPS** - Left and right hand, separately fused
7X8	**SPOTLAMP PROVISION** - Left hand
7X9	**SPOTLAMP PROVISION** - Left and right hand
N81	**TIRE, SPARE** - Full-size (includes non-programed Tire Pressure Monitor)
A98	**TRUNK RELEASE** - Ignition controlled
6C8	**WIRING** - Coaxial radio antenna cable - RG58 roof to trunk
WX7	**WIRING** - For customer connection to front door speakers, front speakers are not connected to the vehicle radio; radio audio signals are sent to the rear speakers
6J3	**WIRING** - For grille lamps and speaker
6J4	**WIRING** - For horn/siren circuit, in-line connection for customer furnished switch
6F5	**WIRING** - Roof wires (requires 6B7 or 6J5 hole in roof, 2 number 10 AWG wires only)
WRH	**WIRING PROVISIONS** - Cooling fan jumper

For standard and optional illustrations, see pages 18 through 22.

Note: Ship-through charge is included as part of base MSRP.

Note:
- ***Turn-Key Packages available only through your Chevrolet dealer***
- ***Direct purchase equipment is available through dealer direct order and purchase from Kerr Industries 905-725-6561***
- ***Warranty claims for direct purchase equipment must be directed through Kerr Industries***

IMPALA 9C1 AND 9C3 POLICE PACKAGE SPECIFICATIONS

GENERAL

Model	1WS19
Drive	2-wheel front

EXTERIOR (in./mm)

Wheelbase	110.5/2807
Overall length	200.4/5090
Overall width	72.9/1852
Overall height	58.7/1491
Front track width	62.4/1585
Rear track width	61.5/1562
Turning diameter curb to curb (ft./m)	38.0/11.6
Ground clearance (engine cradle)	7.1/180

FRONT COMPARTMENT (in./mm)

Head room	39.4/1001
Shoulder room	58.7/1491
Hip room	56.4/1433
Leg room (maximum)	42.3/1074

REAR COMPARTMENT (in./mm)

Head room	37.8/960
Shoulder room	58.6/1488
Hip room	57.2/1453
Leg room (minimum)	37.6/955

LUGGAGE COMPARTMENT CAPACITY (cu. ft./liters)

Luggage capacity[3] (with space saver)	18.6/526
EPA passenger compartment volume index[3]	104.5/2959

FUEL ECONOMY RATINGS — CITY/HIGHWAY/COMBINED

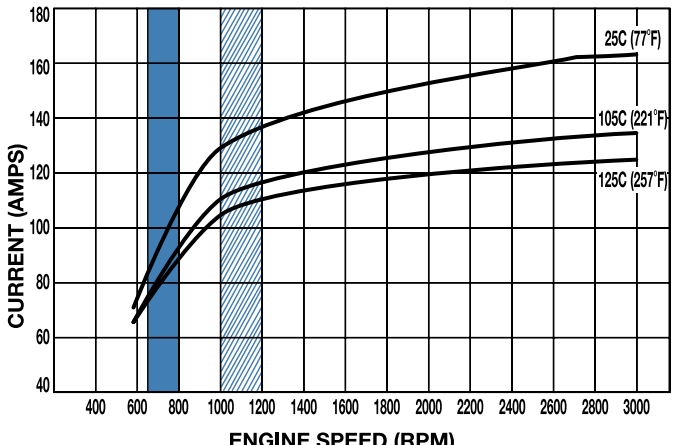
3.9L engine[4]	17/24/20

EPA label values, actual mileage will vary with options, driving conditions, driving habits and vehicle condition.

ALTERNATOR

Type		DENSO SC2
Amps	77°F (25°C)	150

IMPALA POLICE ALTERNATOR OUTPUT



COMPUTER CONTROLLED IDLE SPEED RANGE (650-800 RPM)

COMPUTER CONTROLLED IDLE BOOST RANGE WITH TRANSMISSION IN PARK (1000-1200 RPM BASED ON BATTERY ENERGY LEVEL)

3. Cargo and load capacity limited by weight and distribution.
4. EPA-estimated MPG.
5. Gross Vehicle Weight Rating (GVWR). When properly equipped, includes vehicle, passengers, cargo and equipment.
6. Maximum payload capacity includes weight of driver, passengers, optional equipment and cargo.

ENGINE

Type	V6
Displacement: liters/cu. in.	3.9/238
Horsepower/rpm	230@5700
Torque lb.-ft./rpm	235@3200
Induction system	SFI
Compression ratio	9.8:1
Exhaust	Single with dual outlets
Minimum recommended fuel octane	87
Fuel tank capacity (gallons/liters)	17/64.0
Oil with filter (quarts/liters)	**4.0/3.8**
Cooling capacity (quarts/liters)	**10.6/10.0**

TRANSMISSION

Automatic, electronically-controlled with overdrive	4-speed
Fluid pan removed & filter replaced (quarts/liters)	**7.4/7.0**

AXLE

Ratio	3.29

BRAKES

ABS with vacuum boost	Disc/Disc
Front - swept area (sq. in./sq. cm)	235.4/1518
Rear - swept area (sq. in./sq. cm)	160.3/1034
Total front and rear swept area (sq. in./sq. cm)	395.7/2552
Front rotor diameter (in./mm)	11.9/302
Rear rotor diameter (in./mm)	10.9/277
Front rotor thickness (in./mm)	1.26/32
Rear rotor thickness (in./mm)	.5/13

TIRES

Type	V-speed rated
Size	P225/60R16

WHEELS

Type	Steel
Size	16" x 6.5"

CHASSIS

Frame	Unitized body
Engine cradle	Aluminum
Front suspension	Independent MacPherson Strut, coil spring over strut and stabilizer bar
Rear suspension	Independent Tri-Link MacPherson Strut, coil spring over strut and stabilizer bar
Steering type	Power rack and pinion
Steering ratio (center)	14.1:1

BATTERY

Type	Maintenance free
BCI group size	34
Volts	12
Amp hour rating	70
Cold cranking amps @ 0°F (-18°C)	720
Reserve capacity @ 80°F (27°C)	125

VEHICLE WEIGHT (lbs./kg.)

GVWR[5]	4633/2101
Curb	3742/1697
Payload[6] (includes 5 passengers)	891/407

Note: See owner's manual supplement for loading information

To accommodate customers who require special painted vehicles, orders will be sent to Kerr Industries who will special paint the cars once they are built. Please note: **this ordering process is substantially different from the way special paint is ordered on other vehicle lines and requires an additional charge. See your local dealer for current pricing**.

It is recommended that the customer review the first vehicle painted when special paint is ordered, however it is not mandatory. If the customer chooses not to review a pilot vehicle, Kerr Industries will require sign off by the customer before the vehicle will be released.

Customer and dealer costs associated with accommodations and travel for in person review of special paint are the responsibility of the dealer.

TO ORDER SPECIAL PAINT

- RPO White 50U or RPO Black 41U must be ordered
- The 4-digit special paint code in paint code 1/paint code 2 fields will be replaced by options denoting code 1 and code 2 colors
- Paint scheme codes will be replaced by options
- Solid color option is AAS
- 2-tone color option is AAT
- When special paint schemes are ordered only class A surfaces will be painted; mirrors and handles are NOT painted. For additional costs to have the handles and mirrors painted please contact Kerr Industries at 905-725-6561.
- It is recommended that all vehicles be ordered in Black 41U before special paint is applied.
- For paint colors not listed in this brochure please contact Kerr Industries directly at 905-725-6561

Example for Ordering Special Paint:

If a dealer wants a Silver and Blue car with scheme W002, order 50U or 41U (White or Black RPO paint), options

BEP (code 1 Blue), BFR (code 2 Silver), 1PB (paint scheme W002) and AAT (2-tone paint)

SPECIAL PAINT WARRANTY

- Warranty claims for special paints must be directed to Kerr Industries at 905-725-6561

AFTER YOU HAVE ORDERED SPECIAL PAINT

- After the vehicles have been ordered for special paint, Kerr Industries will contact the dealer directly regarding colors and verification of the scheme. Once verified a special paint build sheet will be sent to the dealer for final confirmation. This sheet will need to be signed by the dealer and returned to Kerr Industries before painting will commence.

Note: The attached list of paint options contain the same WA numbers in the code 1 and code 2 columns. It is extremely important that the dealer order the correct code 1 and code 2 options so the upfitter knows how to paint the vehicles.

Note: For paint colors not listed please contact Kerr Industries directly at 905-725-6561

SPECIAL PAINT AVAILABLE WITH 9C1 AND 9C3 PACKAGE

			OPTIONS	
WA#	COLOR DESCRIPTION		CODE 1	CODE 2
121A	Adriatic Blue		BEA	BFE
311B	Olive		BEB	BFF
5120	Blue		BEQ	BFU
5236	Neutral		BEC	BFG
5322	Driftwood		BER	BFV
5665	Blue		BED	BFH
5749	Gold		BES	BFW
5845	Beige		BEE	BFI
7153	Blue		BET	BFX
7159	Blue		BEF	BFJ
7262	Brown		BEU	BFY
7801	Brown		BEG	BFK
7840	Silver		BEV	BFZ
7868	Blue		BEH	BFL
7888	Blue		BEW	BGA
7889	Blue		BEP	BFT
7964	Green		BEI	BFM
7999	Blue		BEX	BGB
8380	Blue		BEJ	BFN
8381	Gray		BEY	BGC
8401	Yellow		BEK	BFO
8412	Green		BEZ	BGD
8431	Rose Metallic		BEL	BFP
8554	White		BFA	BGE
8555	Black (41U)		BEM	BFQ
8624	Summit White (50U)		BG8	BGK
8743	Blue Black		BFB	BGF
9021	Silver		BEN	BFR
9382	Blue		BFC	BGG
9403	Tan		BEO	BFS

ACTUAL COLOR MAY VARY

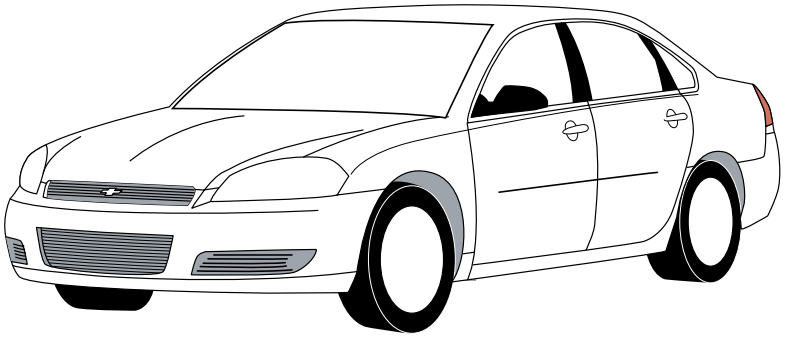
Note: For paint colors not listed please contact Kerr Industries directly at 905-725-6561

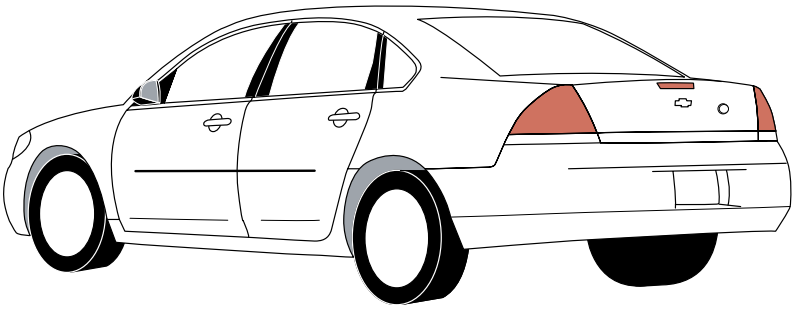
SEO COLOR SCHEME #W001 OPTION CODE 1PA

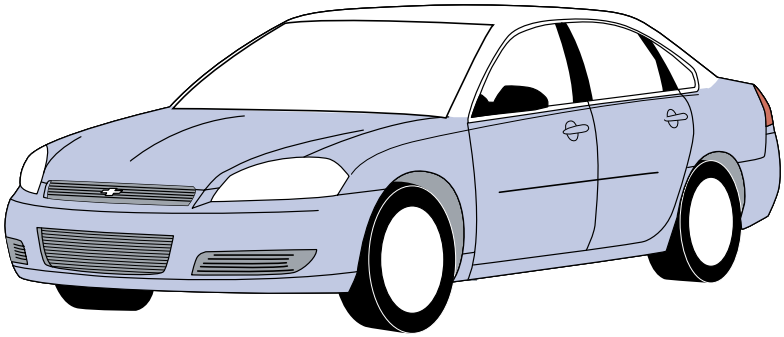
PAINT LEGEND:

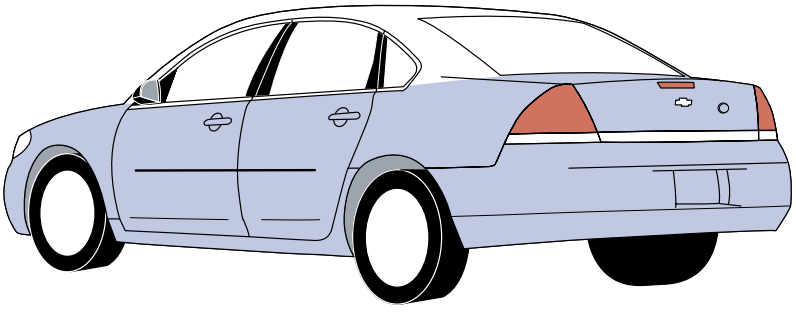
CODE 1

CODE 2







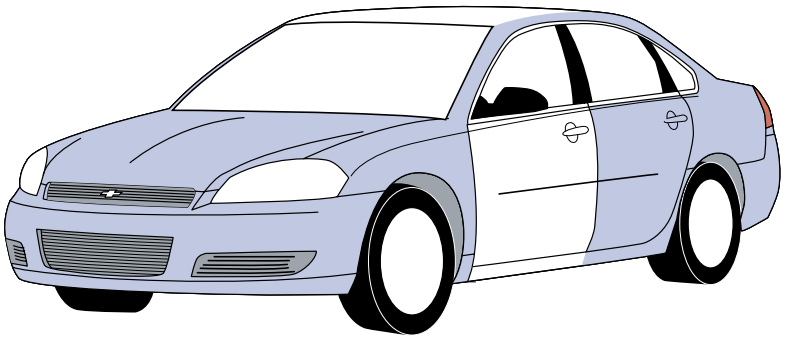


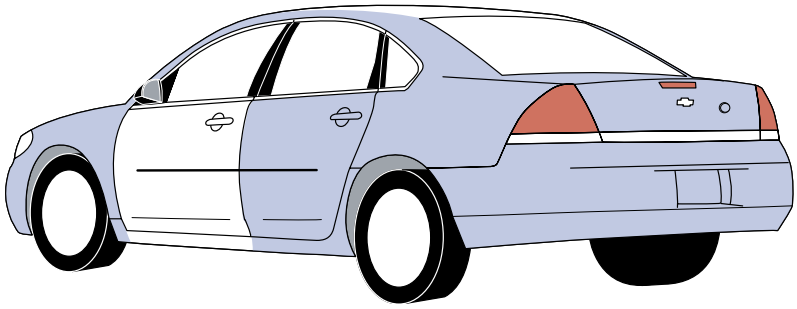
PAINT LEGEND:

CODE 1

CODE 2

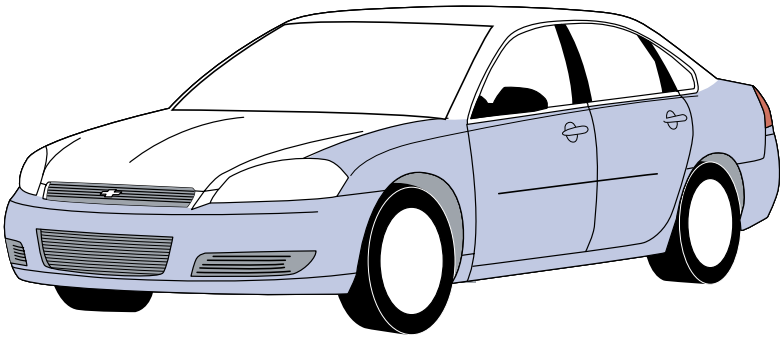
SEO COLOR SCHEME #W002 OPTION CODE 1PB

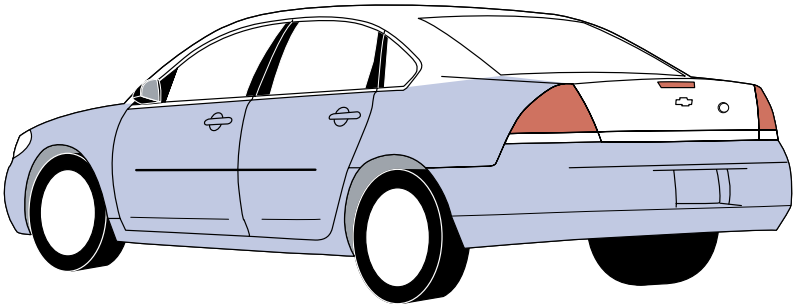




SEO COLOR SCHEME #W003
OPTION CODE 1PC

	PAINT LEGEND:
CODE 1	
CODE 2	





	PAINT LEGEND:
CODE 1	
CODE 2	

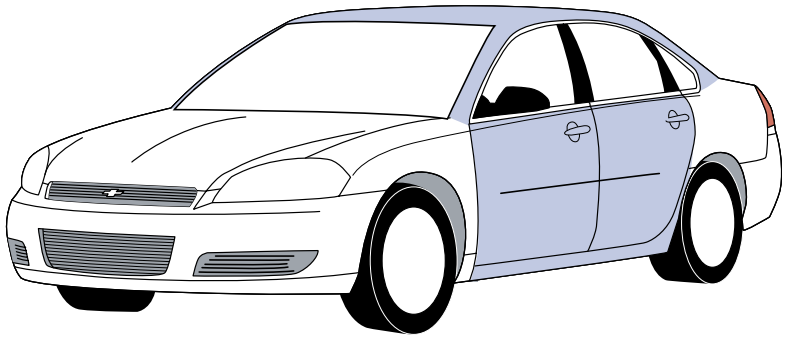
SEO COLOR SCHEME #W006
OPTION CODE 1PF

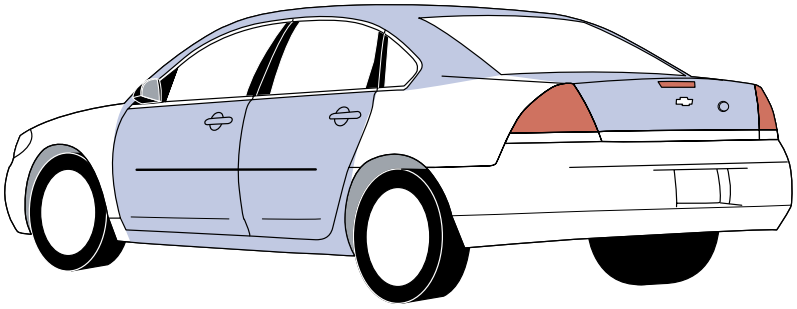
SEO COLOR SCHEME #W008
OPTION CODE 1PH

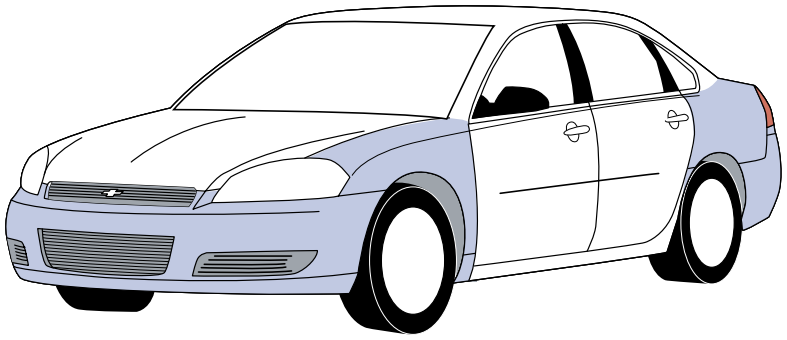
PAINT LEGEND:

CODE 1

CODE 2





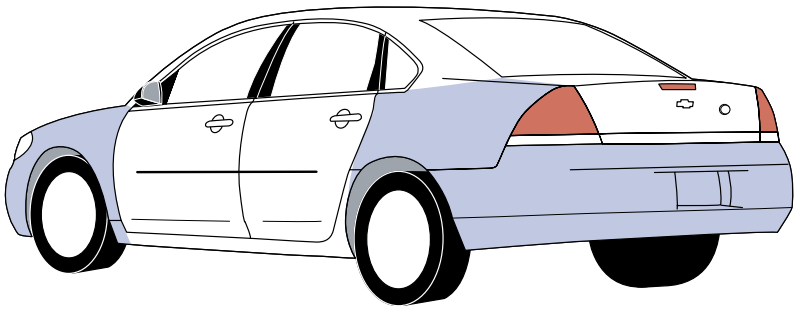


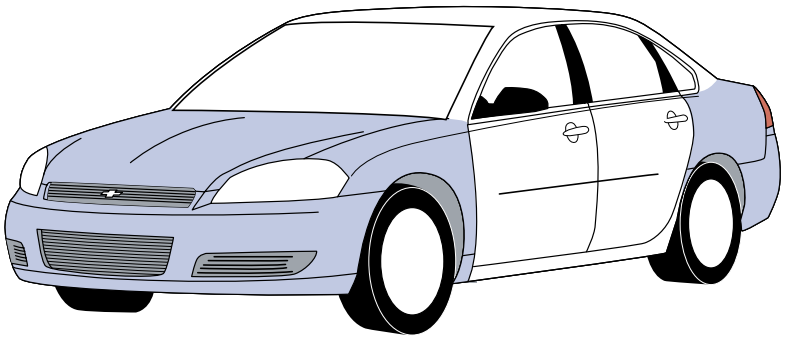
PAINT LEGEND:

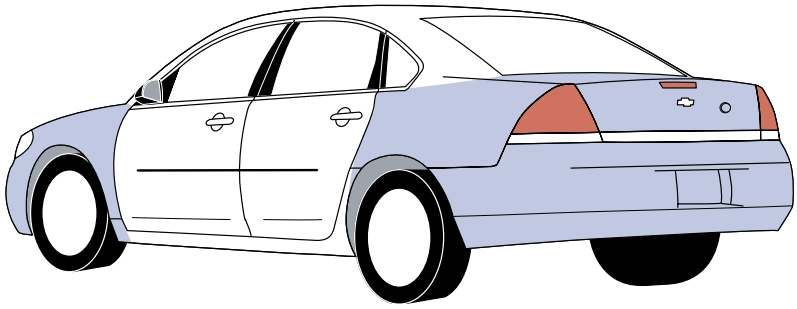
CODE 1

CODE 2

SEO COLOR SCHEME #W009
OPTION CODE 1PI







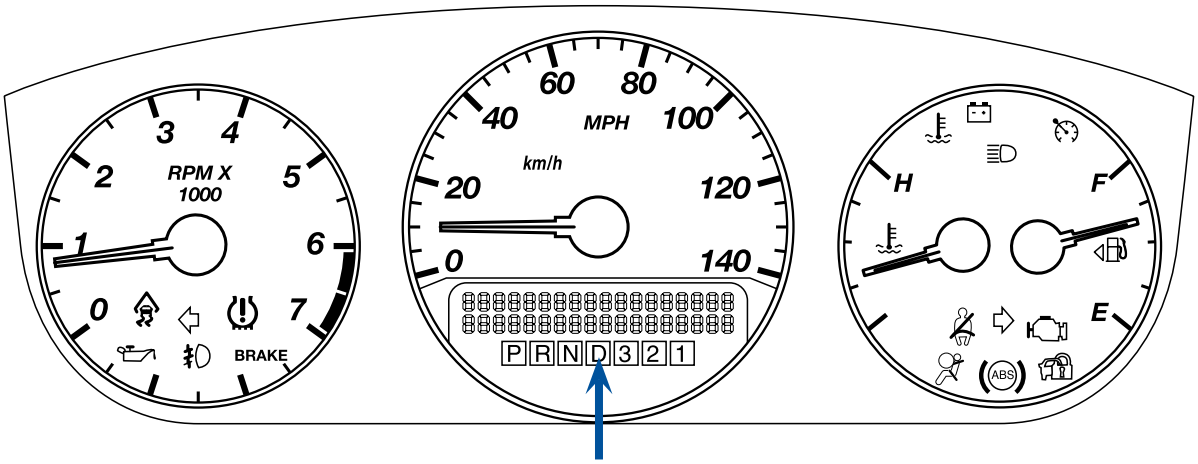
SEO COLOR SCHEME #W012
OPTION CODE 1PL

PAINT LEGEND:

CODE 1

CODE 2

UNITED STATES CERTIFIED SPEEDOMETER/CLUSTER (CANADIAN SIMILAR)



DRIVER INFORMATION MESSAGE CENTER

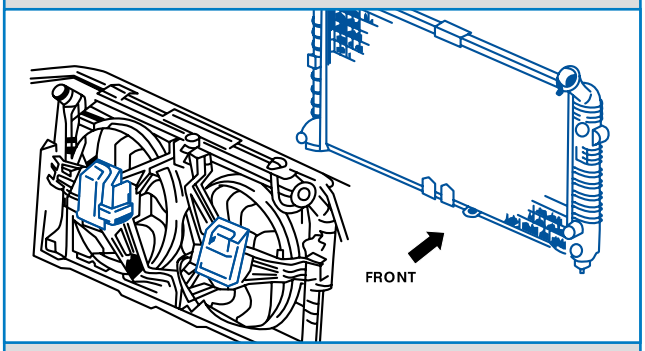
AUTOMATIC LAMP CONTROL ON†	RIGHT REAR DOOR OPEN
AUTOMATIC LAMP CONTROL OFF†	SERVICE A/C SYSTEM
BATTERY SAVER ACTIVE	SERVICE AIR BAG
CERTIFIED SPEEDOMETER††	SERVICE BATTERY CHARGING SYSTEM
CHANGE ENGINE OIL SOON	SERVICE BRAKE SYSTEM
CHECK TIRE PRESSURE	SERVICE POWER STEERING
DIGITAL MPH READOUT†††	SERVICE THEFT SYSTEM
DRIVER DOOR OPEN	SERVICE TIRE MONITOR SYSTEM
ENGINE HOT TURN A/C OFF	SERVICE TRANSMISSION
ENGINE OVERHEATED IDLE ENGINE	SERVICE VEHICLE SOON
ENGINE OVERHEATED STOP ENGINE	STARTING DISABLED SERVICE THROTTLE
ENGINE POWER IS REDUCED	THEFT ATTEMPTED†
FUEL LEVEL LOW	TIGHTEN GAS CAP
HOOD OPEN	TIRE LEARNING ACTIVE
LEFT REAR DOOR OPEN	TRANSMISSION HOT IDLE ENGINE
OIL PRESSURE LOW STOP ENGINE	TRUNK OPEN
PASSENGER DOOR OPEN	TURN SIGNAL ON
REMOTE KEY LEARNING ACTIVE	WASHER FLUID LOW ADD FLUID
REPLACE BATTERY IN REMOTE KEY	

† Message may not be displayed in Police Package

†† Message flashes at engine start

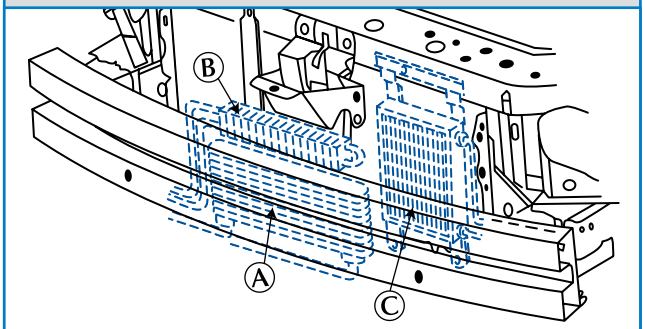
††† Can be set as default condition

COOLING SYSTEM – HEAVY-DUTY



High capacity radiator replaces standard radiator and 225-watt fan replaces 160-watt right fan. Left fan is 225-watts.

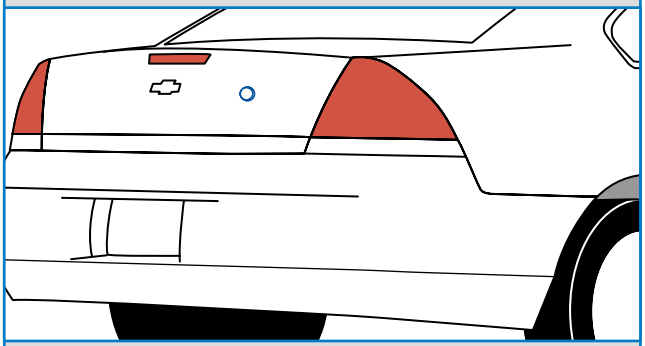
AUXILIARY COOLING SYSTEMS



Three auxiliary fin-type air-to-oil coolers are 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 is connected in series with the coolant radiator end-tank cooler.

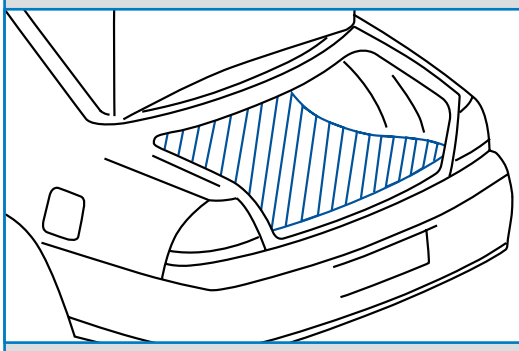
A- ENGINE OIL COOLER
B- POWER STEERING COOLER
C- TRANSMISSION FLUID COOLER

KEYLOCK CYLINDER – TRUNK LID



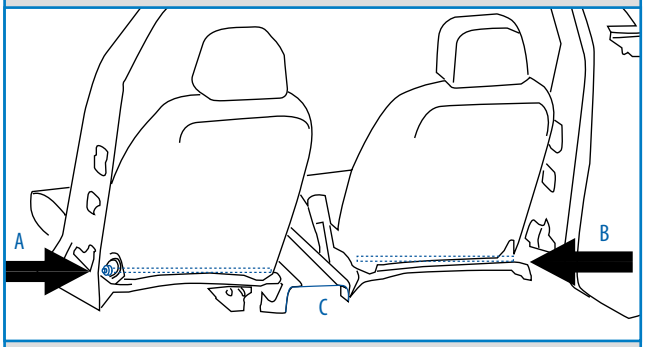
If your vehicle is equipped with the Theft Deterrent System (option UA6), an audible alarm will occur when the key is used to open the trunk instead of the remote keyless entry (key FOB). See your dealer/retailer to disable the audible alarm.

MAT – TRUNK



Heavy-duty mat covers floor.

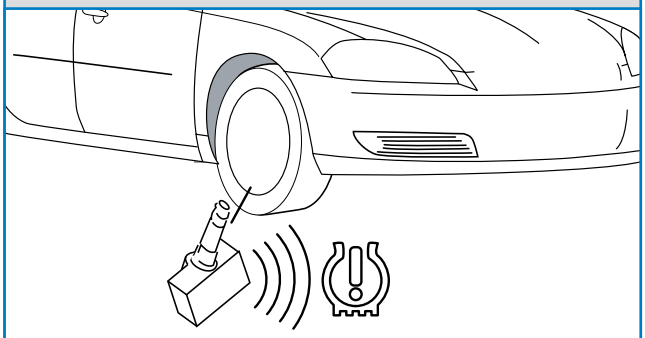
STRENGTHENED FRONT SEAT



Seat bottom frame structural tubes - A, B
Center floor tunnel-mounted crush box - C

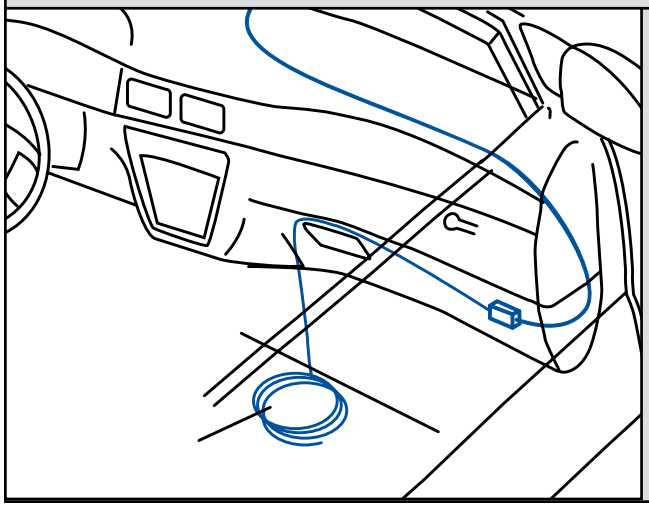
Note: Do not remove the crush box for aftermarket equipment installation

TIRE PRESSURE MONITOR



Your vehicle is equipped with a Tire Pressure Monitor (TPM) System which warns of low tire pressure. Your Impala Police Package may be equipped with a full-size spare tire (see page 21) The full-size spare tire has a sensor but is not programmed to read the spare tire pressure. When the full-size spare tire from your vehicle or spare tire from another Police Package is placed in use as a road wheel, the system will not read the presence of the new TPM sensor and must be calibrated. Refer to your owner's manual for additional information on the Tire Pressure Monitor and Sensor Programming. The space saver spare tire does not have a tire pressure monitor.

WIRING PROVISIONS FOR 12-VOLT BATTERY POWER SUPPLY



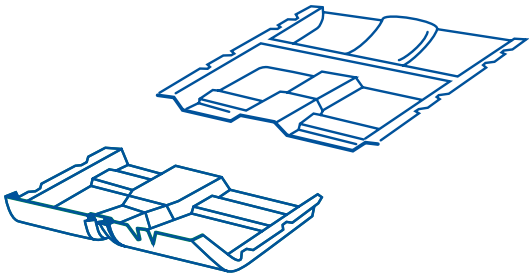
Battery power is supplied through two fusible links, one 50-amp and one 65-amp, to three circuit breakers and two control relays located in the control center above the accelerator pedal. A 50-amp circuit breaker feeds power directly from the 50-amp fusible link through a 10-gauge blunt cut wire. Two 30-amp circuit breakers supply power from the 65-amp fusible link through the contacts of the control relays to 12-gauge blunt cut wires. The blunt cut leads are part of a 5-foot coil on the floor under the instrument panel. Each relay is to be operated by an 18-gauge control lead included in the 5-foot coil under the instrument panel. An 8-gauge system ground lead is also provided in the 5-foot coil. The total current available through the 12-volt power supply is 110-amps.

Two blunt cut wires provide ignition controlled power; one is HOT when the ignition is in ACCESSORY/ON; the second is HOT when the ignition is in START/ON.

A third blunt cut wire from the body control module provides a park-enable signal. When the transmission is in PARK, zero volts (not ground) are present and 12-volts are present when the transmission is in any other position. The circuit is designed to operate a single customer-furnished relay.

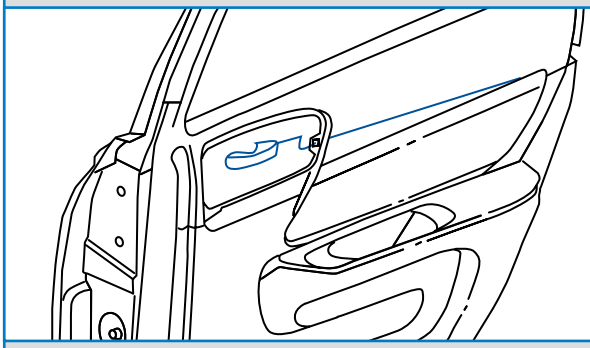
A fourth blunt cut wire provides the Vehicle Speed Signal (VSS).

6A3 COVERING – FLOOR



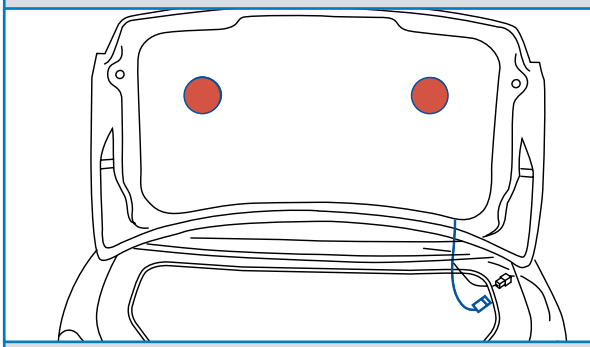
Black heavy-duty front and rear. Replaces production carpeting.

6B2 HANDLES – REAR DOOR INOPERATIVE



Inside rear door handles are disconnected. Rear doors can only be opened from the outside.

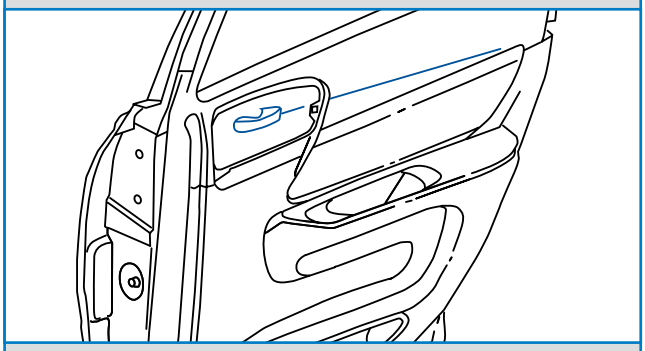
T53 LAMPS – TRUNK LID WARNING



Two 4-inch, red, single-faced lamps are mounted to the deck lid inner panel. Lamps are activated by the deck lid ajar mechanical switch when deck lid is opened. Lamps are wired to flash alternately through a flasher located at the upper right hand corner of the trunk opening.

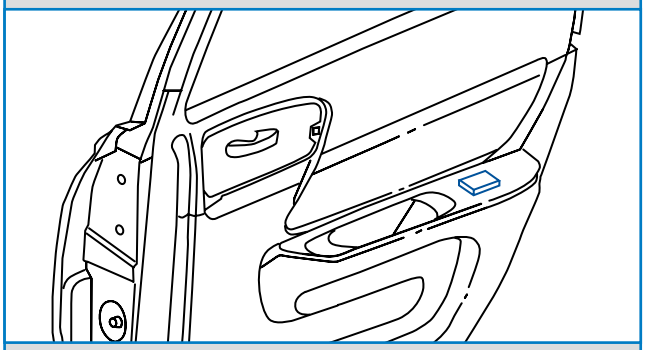
Wiring is protected by fuse HTDSEAT in the engine compartment fuse block

6N6 LOCKS – REAR DOOR INOPERATIVE



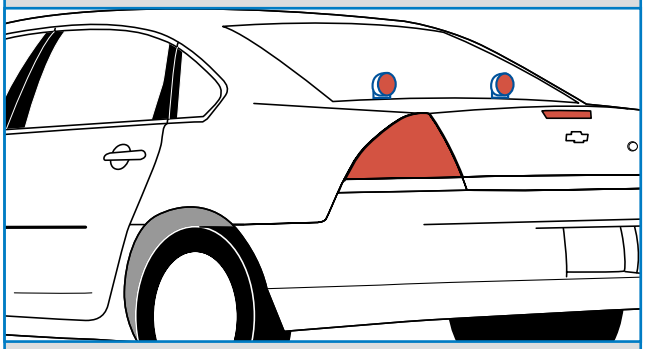
Rear door locking rods are disabled. Rear door locks are inoperable at rear doors, but operate from driver position. Remote rod is shipped in the glove box for future installation.

6N5 SWITCHES – REAR WINDOW INOPERATIVE



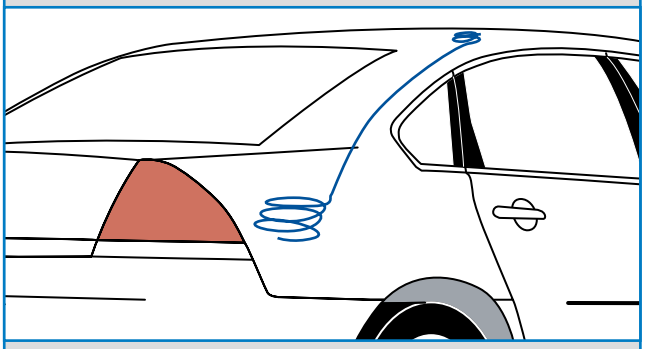
Rear door window switches are inoperable. Rear door power regulators are operable only from driver position switches.

6J6 LAMPS – REAR WINDOW



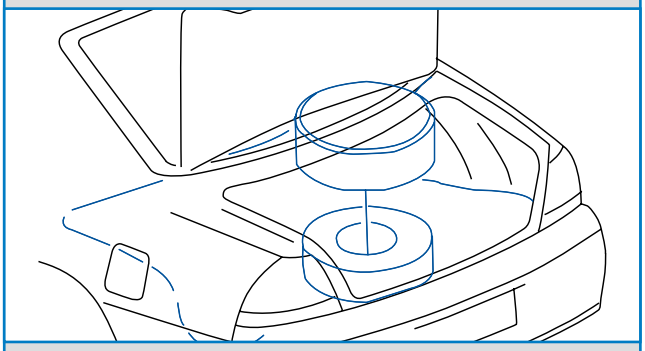
Two 4-inch, red, single-faced lamps are mounted behind rear seatback to be viewed through rear window. The turn signal circuits extend in loops coiled in the right front foot well for customer connection to control switching. These lamps function as auxiliary turn signal, stop lamps and vehicle hazard flashers.

6C8 WIRING – COAXIAL RADIO ANTENNA CABLE



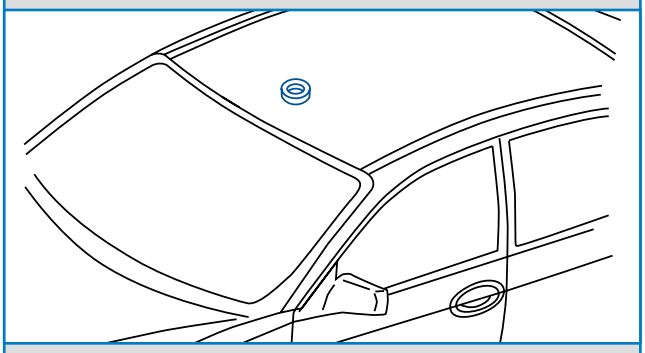
RG58 Coaxial radio antenna cable routed from just rearward of the dome lamp location to trunk. Approximately 24 inches of extra cable is coiled between headliner and roof panel. A coil of sufficient length to reach either corner of the trunk is secured to the right inner wheelhouse. There is no hole in the roof panel.

N81 FULL-SIZE SPARE



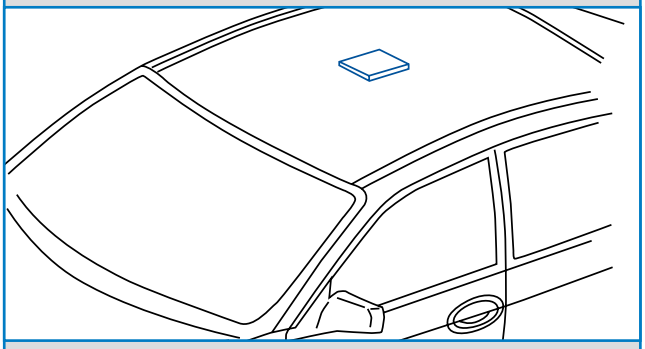
Cover is provided for spare tire and wheel. Full-size spare tire is mounted on top of the standard trunk trim covering the space saver spare tire tub. If full-size spare tire is removed, tub is exposed. The full-size spare tire includes a Tire Pressure Monitor (TPM) sensor which must be programmed to the TPM System after the spare tire is installed. (See page 18)

6C7 LAMP – AUXILIARY DOME



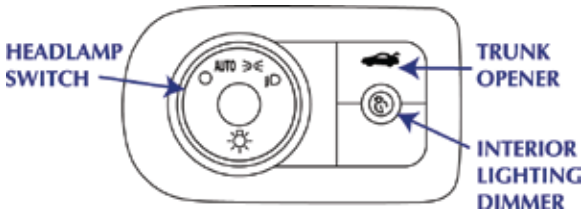
Auxiliary dome lamp located between visors with switch at base of lamp. Wired independently from standard dome lamp.

7Y6 LAMP – INOPERATIVE DOME



Dome and courtesy lamp will not operate when doors are opened. Dome lamp is controlled only by the instrument light dimmer on the instrument panel.

EXTERIOR LAMPS CONTROL

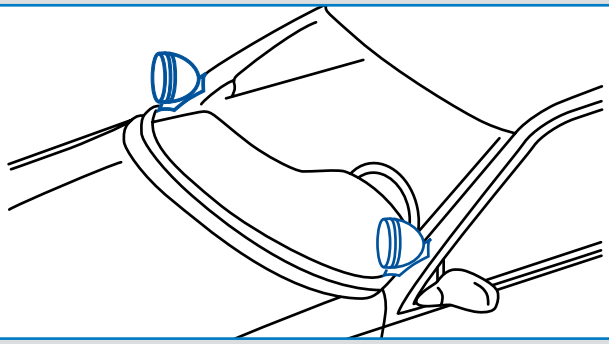


9G8 - Delete Daytime Running Lamps and Automatic Headlamps. This option disables the Daytime Running Lamps and Automatic Headlamps control feature. Exterior lamps are manually controlled only. Option 9G8 is not available in Canada. The headlamp control on the driver's side of the instrument panel operates the headlamps.

If your Impala does not have option 9G8, Daytime Running Lamps and Automatic Headlamps delete, the Daytime Running Lamps and Automatic Headlamps can be turned off for one ignition cycle by rotating the control knob momentarily counter-clockwise. Rotating the headlamp switch again will turn the Daytime Running Lamps and Automatic Headlamps back on.

In Canada, the Daytime Running Lamps and Automatic Headlamps can be turned off if the transmission is in Park. See also section 1 of your Impala owner's manual.

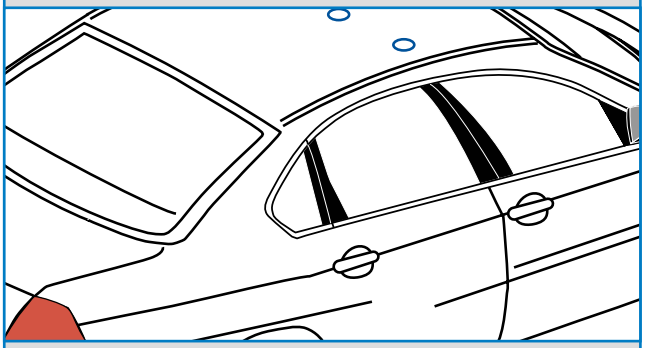
SPOTLAMPS AND SPOTLAMP PROVISIONS



7X6	Spotlamp left hand, pillar-mounted unity, 6-inch with replaceable H3 halogen bulb; independently fused
7X7	Spotlamps left and right hand, pillar-mounted unity, 6-inch with replaceable H3 halogen bulb; independently fused
7X8	Spotlamp provision left hand provision for customer installed spotlamp includes hole through pillar, mounting bracket and accessible power connector
7X9	Spotlamp provision left and right hand includes same components as option 7X8

Note: Lamp fuses are located in the engine compartment electrical center.

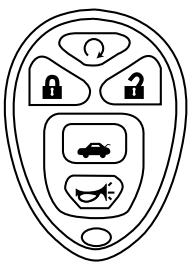
HOLE IN ROOF PANEL



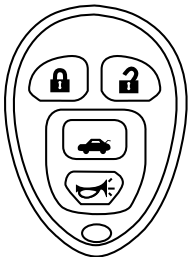
6B7	Hole is drilled near center line of roof panel approximately 29 inches rearward of windshield opening
6J5	Hole is drilled on passenger side of roof panel approximately 29 inches rearward of windshield opening and approximately 6 inches inboard from passenger side door

Note: Only one roof hole location may be ordered. SEO 6F5 roof wiring is required when SEO 6B7 or SEO 6J5 are ordered.

AMF – PACKAGE OF 6 TRANSMITTERS



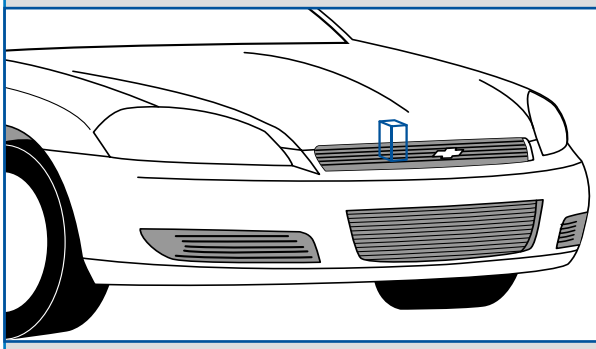
WITH REMOTE START



WITHOUT REMOTE START

Transmitters are not programed. Transmitters, including the two standard with the vehicle must be programed together using a service scan tool. See you dealer.

6J7 EXTERIOR LAMP EMERGENCY FLASHING SYSTEM, HEADLAMPS, TAIL LAMPS AND BACKUP LAMPS



This option provides a headlamp high beam flashing module, rear lamps flashing and control wire for customer furnished ON - OFF switch, coiled in the right front foot well. The control lead may be combined with the interior wiring leads for option 6J3 when that option is ordered with option 6J7.

Can specialty vehicle equipment (e.g. radar devices, video cameras, computers, meters, radio trees, shotguns, etc.) still be mounted in cars with passenger side air bags?

Yes, but care must be taken to mount the equipment outside of the deployment zone. Air bags inflate with great force and will interact with any object in the deployment zone. Therefore, to reduce the risk of injury to vehicle occupants, GM recommends that the air deployment zone be kept free of any equipment. If a piece of equipment were to become dislodged it could strike an occupant in the vehicle and result in injury. The likelihood of an object becoming dislodged is influenced by many factors, including the proximity of the object to the inflatable restraint, the size and shape of the object, and the means by which the object is secured to the vehicle. In addition to these factors, the trajectory and velocity of a dislodged object can be influenced by the type and severity of vehicle crash.

Objects that are in the deployment zone, but do not become dislodged by an inflating air bag can still affect the performance of the air bag. For example, such objects could tear the fabric or affect the shape of the air bag, thus reducing the ability of the bag to provide restraint.

Is it possible to shield equipment that is installed in the passenger side frontal air bag deployment zone in a manner that will allow full and safe air bag deployment?

Due to the complexity of influencing variables, GM is unable to evaluate the potential for shielding expected equipment configurations in all accident scenarios in order to assure that the air bag performance would be unaffected. While shielding may protect certain equipment from being damaged or dislodged, it may also negatively affect the inflation characteristics of the air bag. The air bag's shape, inflation angle, fold pattern, and inflation rate and pressure are developed to maximize the protection capability of the inflatable restraint system. Therefore, GM cannot recommend the placement of any equipment in the deployment zone, even if it is shielded to protect it from damage.

Front air bag systems and instrument panel mounted equipment.

Passenger air bags in GM vehicles deploy in different ways depending upon the type of vehicle and the particular instrument panel design.

In some vehicles, the passenger air bag deploys through a discrete door located on the top surface of the instrument panel (top-mount air bag systems). In other vehicles, such as the Chevrolet Tahoe, the passenger air bag deploys through a discrete door mounted on the vertical rearward surface of the instrument panel, above the glove box door (mid-mount air bag system). With these types of top-mount and mid-mount passenger air bag systems, the top pad of the instrument panel remains in place during deployment.

Some GM passenger air bag systems, like the system in the Chevrolet Impala, deploy from beneath the instrument panel top pad. These are considered 3/4-mount air bag systems with a "deployable top pad." The entire instrument panel top pad is the "deployment door" from under which the inflating air bag emerges. When an air bag deployment is commanded, the forces from the inflating passenger air bag push up on the instrument panel top pad, releasing special fasteners across the rearward edge of the top pad. This allows the top pad to rotate upward so that the passenger air bag may emerge. The top pad rotates upward to open widest at the right hand side, and is usually forced upward into contact with the windshield on the right hand side of the vehicle during a deployment.

Instrument panel top mounted special equipment, such as a radar antenna and control unit or video camera must be positioned to the left of the vehicle center line. This equipment must be mounted as low as possible and securely fastened to the top pad to avoid being dislodged in the event of a crash and possible air bag deployment. In the process of securely fastening special equipment to the top, DO NOT fasten down the top pad itself to any other vehicle component such as the cluster trim plate. As described above, the top pad rotates upward during a deployment. In order to enable the proper deployment of the passenger air bag, specialty equipment installation MUST NOT PREVENT the top pad from rotating upward during deployment. Location and attachment of special equipment should minimize added resistance or interference to upward rotation of the top pad during deployment.

Optional side air bags for crashes to the vehicle sides.

The air bag system in your police vehicle may include optional side air bags for front and rear occupants. Most front-to-rear side air bags are designed to deploy downward from the interior roof sides to the bottom of the door windows.

Can Specialty Vehicle Security Barriers be mounted within the side air bag deployment zones?

No. The side air bags inflate extremely fast because of the nature of side crashes to the vehicle. Mounting a security barrier behind the front seats with the ends placed within the side air bag deployment zones will result in unintended interaction between the barrier and the inflating side air bags. To reduce the risk of injury to the vehicle occupants, GM recommends that the side air bag zones be kept free of any customer installed equipment.

Customer furnished equipment installed to the vehicle roof.

Your police vehicle is designed with an interior roof cover system which includes internal components for the interior lamps and wiring. The roof system may also include optional side air bag components. Inflation devices may be mounted on the vehicle roof side behind the rear doors as well as air bag tethers retained to the windshield pillars. Care must be taken to avoid damage to these components or interference with their operation when installing roof mounted equipment such as emergency lamps and communication antennas.

Recommended GM service procedures must be followed to remove and re-install the instrument panel top pad to ensure that the top pad will release properly in the event of a passenger air bag deployment.

On the right half of the top pad closest to the passenger air bag module, GM recommends that no equipment be mounted. When mounting equipment on the driver side of the top pad, GM recommends that the total mass of the top pad mounted special equipment not exceed 8 pounds (3.6 kilograms), since the top pad tends to rotate about the left end.

Fasteners used to secure special equipment to the instrument panel top pad, the windshield glass, or to the windshield upper frame (header), should be selected to ensure that these devices will remain attached during a vehicle crash and possible air bag deployment.

Head curtain side air bags are designed to help reduce the risk of head and neck injuries to front and rear seat occupants on the near side of certain side-impact collisions. Always use safety belts and the correct child restraints for your child's age and size, even in vehicles equipped with air bags. Children are safer when properly secured in a rear seat. See your vehicle Owner's Manual and child safety seat instructions for more information.

Can the installation of push bumpers on the front end of the vehicle affect the deployment of the air bag?

General Motors is not aware of adverse effects during crash events from the many push bumpers that have been installed on GM police vehicles. Because there are many styles of push bumpers available with varying crash characteristics, installation of push bumpers may or may not affect deployment timing of the air bags. Push bumpers should be mounted to avoid modifying the vehicle structure and interfering with the front air bag sensors mounted on the upper radiator support cross member.

Two front impact sensors are installed in General Motors vehicles. Do not relocate or disconnect the front sensors. The location and orientation of the front sensors are critical for correct operation of the air bag system. Avoid mounting components on or near the sensors. Push bumper styles with vertical pushing members that are in fore-aft alignment with the front air bag sensors are not recommended.

How long will the air bag remain inflated?

It takes approximately 1/20th of a second to fully inflate the frontal air bags. This is faster than the blink of an eye. The air bags begin to deflate immediately, helping to stop the occupants more gradually.

Can the air bag system be re-used?

No. The air bags are designed to inflate only once. After inflation some new parts will be required. These will include the air bag module and possibly other parts. (A competent service technician with access to the vehicle's service manual and the required tools should replace the required components after a deployment crash.)

I've heard that the dusts that are released into the passenger compartment from the air bag are harmful. Is this true?

For most people, the only effect the dusts will produce is some irritation of the throat and eyes, and that is only if the occupant remains in the vehicle for many minutes after the air bag deployment with no ventilation and windows closed. However, some people with asthma may develop an asthmatic attack from inhaling the dusts. If this happens, they should first treat themselves the same way their doctor has advised them to treat any other asthma attack, and then immediately seek medical treatment.

When should an air bag inflate?

The driver's and right-front passenger's frontal air bags are designed to inflate in moderate to severe frontal or near-frontal crashes. But they are designed to inflate only if the impact speed is above the system's designed "threshold level."

In addition, if your vehicle has "dual stage" frontal air bags, these air bags tailor the amount of restraint according to crash severity. For moderate frontal impacts, the air bags inflate at a level less than full deployment. For more severe frontal impacts, "dual stage" frontal air bags deploy at full levels.

If the front of your vehicle goes straight into a wall that doesn't move or deform, the threshold level of the reduced deployment is about 12 to 16 mph (19 to 15 km/h), and the threshold level for a full deployment is about 18 to 24 mph (29 to 28.5 km/h). The threshold level can vary, however, with specific vehicle design, so that it can be somewhat above or below this range.

If your vehicle strikes something that will move or deform such as a parked car, the threshold level will be higher. The driver's and right-front passenger's frontal air bags are not designed to inflate in rollover, side impacts, or rear impacts, because inflation would not help the occupant.

Seat mounted side impact air bags are designed to inflate in moderate to severe side crashes. The side impact air bags will inflate if the crash severity is above the designed "threshold level." The threshold level can vary with specific vehicles design. The side impact air bags are not designed to inflate on frontal or near-frontal impacts or rear impacts, because inflation would not help the occupant.

Roof rail mounted head-curtain airbags are designed to inflate in moderate to severe side crashes. In addition, certain vehicles have head-curtain air bags which are also designed to inflate in situations where an impending rollover condition is identified by the vehicle's rollover sensing system and/or frontal or near-frontal impacts if the crash severity is above the designed "threshold level".

Safety belt pretensioners at the driver and front passenger seat positions are designed to deploy in frontal, near-frontal, side, and rear crashes that exceed the "threshold level" of crash severity to help reduce slack in the safety belt. Safety belt pretensioners will also deploy in impending rollover situations.

I've heard that a deployed air bag produces what appears to be smoke. Is the air bag hot?

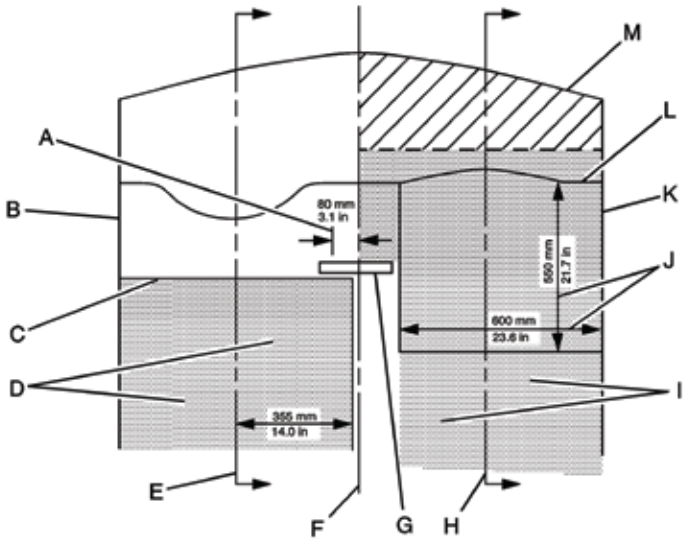
After the bag has deployed in a crash, the air bag itself will not be hot to touch. Some components within the air bag module will be hot for a short time. A small amount of smoke coming from a deployed air bag module is normal and should not be cause for concern.

Also, when the nitrogen gas is vented out of the air bag, small particles from inside the bag are also vented into passenger compartment. These airborne particles look like smoke and some particles are deposited as residue on and around the air bag.

If my vehicle has air bags, why should I have to wear my safety belt?

Air bags are in many vehicles today and will be in most of them in the future. But they are supplemental systems only; so they work with safety belts - not instead of them. Every air bag system ever offered for sale has required the use of safety belts. Even if you're in a vehicle that has air bags, you still have to buckle up to get the most protection. That's true not only in frontal collisions but especially in side and other collisions.

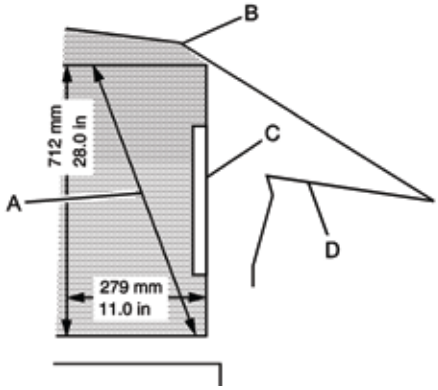
FRONT COMPARTMENT PLAN VIEW



TOP VIEW OF INSTRUMENT PANEL AND APPROXIMATE DEPLOYMENT AREA OF THE AIR BAG ZONE

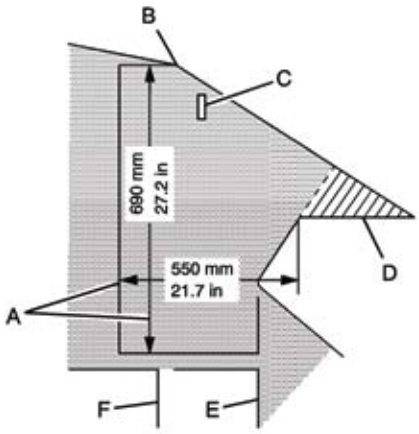
A. Shift selector arc
B. Driver side door
C. Front of steering wheel (in maximum downward position)
D. Driver air bag deployment zone
E. Driver centerline (also see side view)
F. Vehicle centerline
G. Inside rearview mirror
H. Passenger centerline (also see side view)
I. Passenger air bag deployment zone
J. Approximate maximum dimension of inflated air bag
K. Passenger side door
L. Rear edge of instrument panel top pad
M. Zone from instrument panel top to windshield

FRONT COMPARTMENT SIDE VIEWS



SIDE VIEW OF DRIVER SIDE AIR BAG DEPLOYMENT ZONE - CENTERLINE OF DRIVER

A. Driver air bag deployment zone
B. Top of windshield
C. Front of steering wheel (maximum downward position)
D. Top of instrument panel

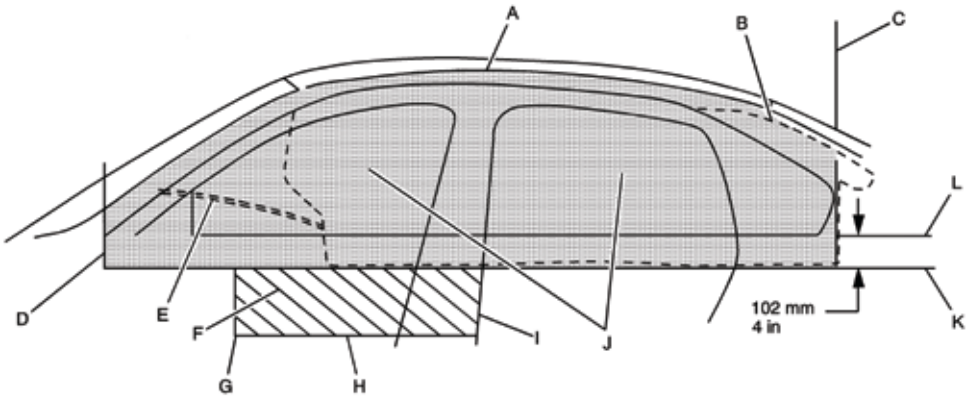


SIDE VIEW OF PASSENGER SIDE AIR BAG DEPLOYMENT ZONE - CENTERLINE OF PASSENGER

A. Passenger air bag 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

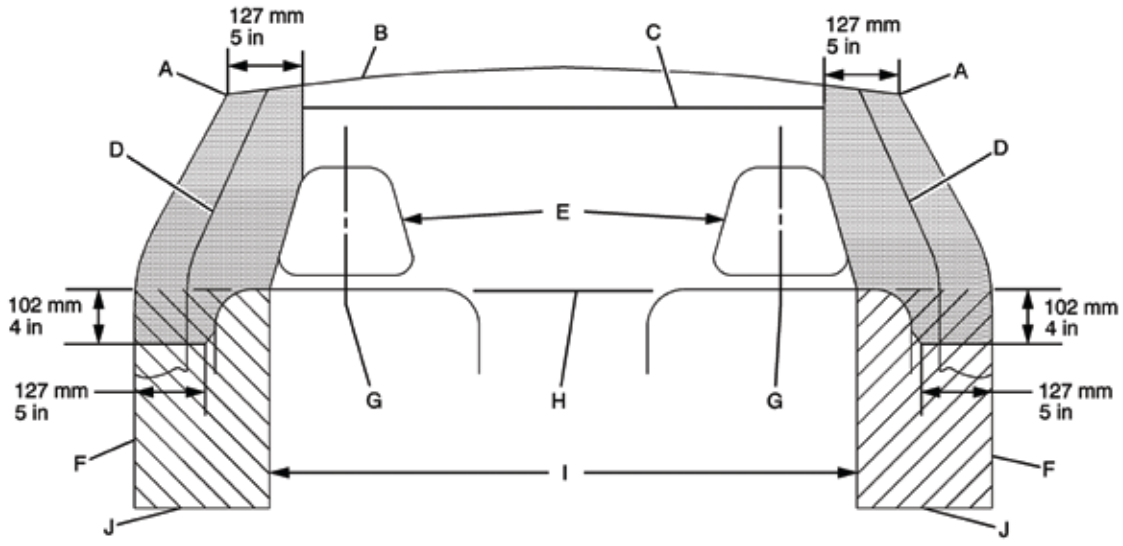
Head curtain side air bags are designed to help reduce the risk of head and neck injuries to front and rear seat occupants on the near side of certain side-impact collisions. Always use safety belts and the correct child restraints for your child's age and size, even in vehicles equipped with air bags. Children are safer when properly secured in a rear seat. See your vehicle Owner's Manual and child safety seat instructions for more information.

HEAD CURTAIN AND FRONT SEAT-MOUNTED SIDE IMPACT AIR BAG DEPLOYMENT ZONE RIGHT SIDE SHOWN, LEFT SIMILAR



A. Top of deployment zone - along head curtain at edge of headliner
B. Air bag 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 air bag tether line
F. Thorax air bag deployment zone
G. Door handle front end
H. Groove in front door armrest
I. Pillar trim
J. Approximate shape of deployed air bag at maximum size
K. Bottom of deployment zone
L. Bottom of door windows

HEAD CURTAIN AND FRONT SEAT-MOUNTED SIDE IMPACT AIR BAG DEPLOYMENT ZONES VIEW FROM REAR SEAT



A. Edge of headliner
B. Underside of headliner
C. Head curtain air bag deployment zone
D. Inner center pillar trim
E. Headrest
F. Inner door pad
G. Seat centerline
H. Bottom of door windows
I. Thorax air bag deployment zone - front seat
J. Groove in front door armrest

Head curtain side air bags are designed to help reduce the risk of head and neck injuries to front and rear seat occupants on the near side of certain side-impact collisions. Always use safety belts and the correct child restraints for your child's age and size, even in vehicles equipped with air bags. Children are safer when properly secured in a rear seat. See your vehicle Owner's Manual and child safety seat instructions for more information.

Note: All dimensions are approximate and subject to change.

CHIME LEVEL ADJUSTMENT

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

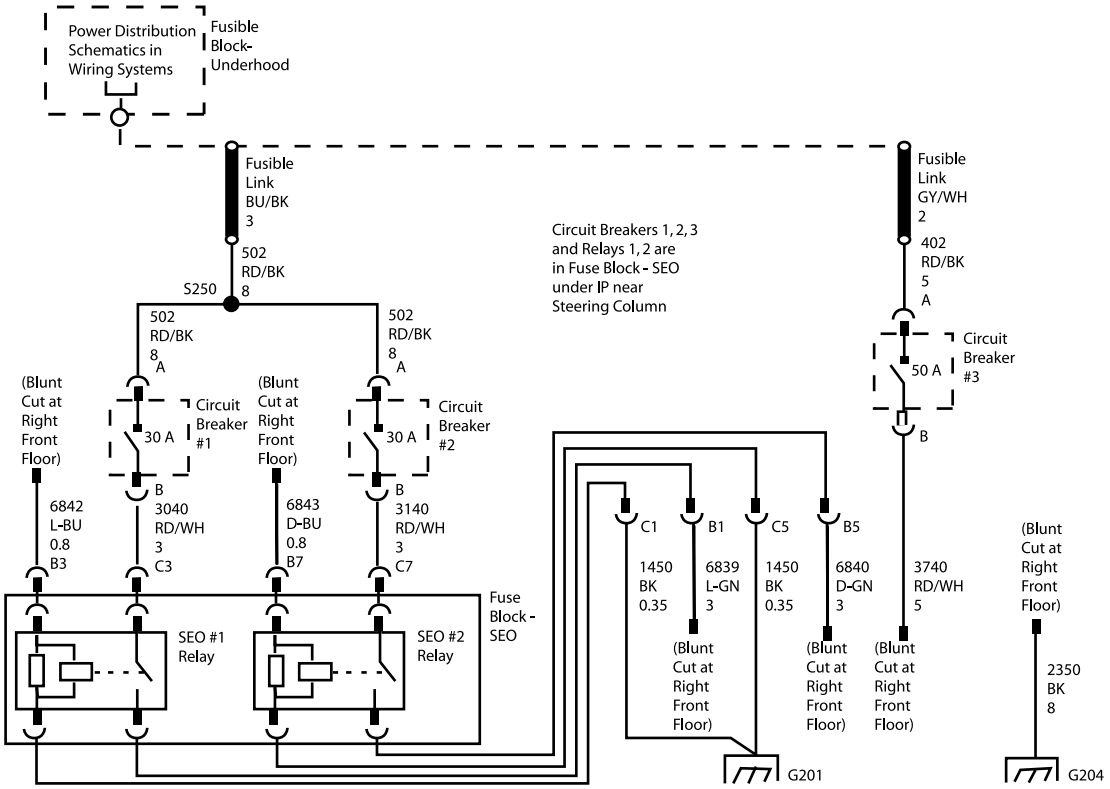
The sound for the warning chimes is directed to the left front door speaker. When option WX7 (wiring provisions for the front speakers) is installed, the sound is directed to the left rear speaker.

See "Climate Controls" and "Audio Systems" in your Impala owner's manual to adjust the chime volume or contact your dealer 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 38-MHz to 58-MHz range.

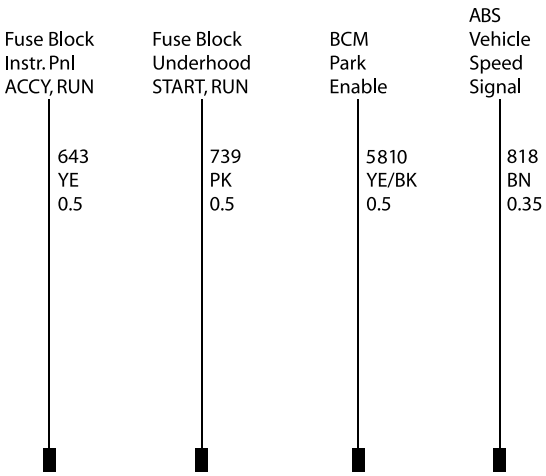
WIRING PROVISIONS FOR 12-VOLT BATTERY POWER SUPPLY



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^2) 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^2) blunt cut wires. The blunt cut leads are part of a 5-foot (1.5 m) loop of wire coiled under the instrument panel in the passenger's side footwell. Each relay is operated by an 18-gauge (0.8 mm^2) blunt cut, light or dark blue control lead included in the 5-foot (1.5 m) coil under the instrument panel. An 8-gauge (8.0 mm^2) ground lead is also provided in the 5-foot (1.5 m) coil. The total current available through the 12-volt power supply is 110-amps (1320-watts).

Note: Wiring diagrams for these options are shown in the Police Package owner's manual supplement (shipped in glove box).

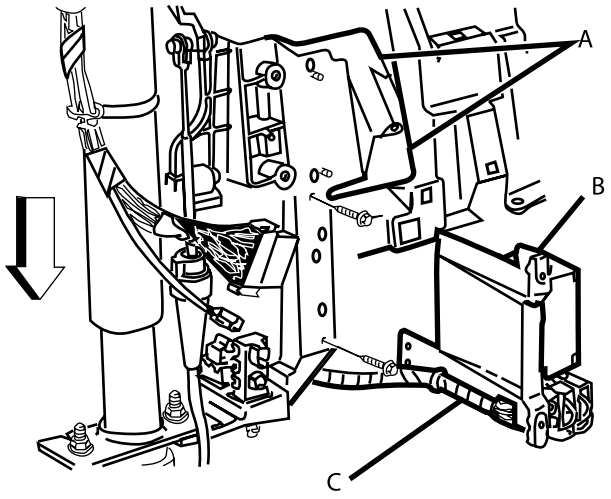
CONTROLLED POWER AND SIGNAL CIRCUITS WITH 12-VOLT POWER SUPPLY



Bunt cut ignition controlled power and signal circuits are also included in the following 5-foot (1.5 m) right foot loop. The spotlamp fuses are located in the passenger's side underhood fuse block. See "Fuses and Circuit Breakers" in your owner's manual index for more information.

- A yellow, 20-gauge (0.5 mm^2) 10-amp fused circuit, HOT in ACCESSORY, RUN or RAP (Retained Accessory Power) Fuse "RAP" is in the end of the instrument panel.
- A pink, 20-gauge (0.5 mm^2) 10-amp fused circuit, HOT in START/RUN. Fuse "PWR Drop/CRNK" is in the underhood fuse block.
- A yellow/black, 20-gauge transaxle park signal from the Body Control Module (BCM). This circuit provides switched power (12-volts) when the transmission is not in PARK (P) and the engine is running. The electrical load attached to the park circuit must not exceed 0.5-amps (one relay coil).
- A brown, 22-gauge (0.35 mm^2) vehicle speed signal (4,000 pulses/mile) from the ABS module. Connect only high impedance load.

FUSE BLOCK BATTERY POWER SUPPLY

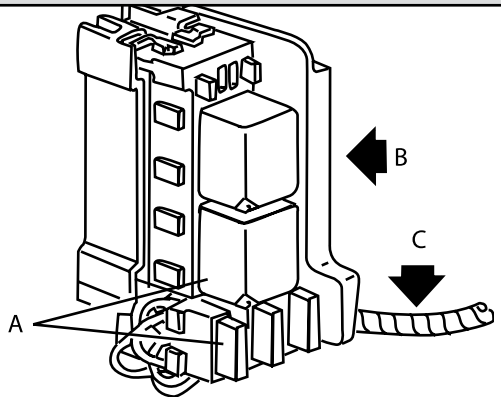


SERVICING RELAYS AND CIRCUIT BREAKERS

The following information shows you where the relays and circuit breakers are located in the fuse block.

A. Instrument panel carrier
B. Relay center for circuit breakers and control relay
C. Instrument panel harness branch

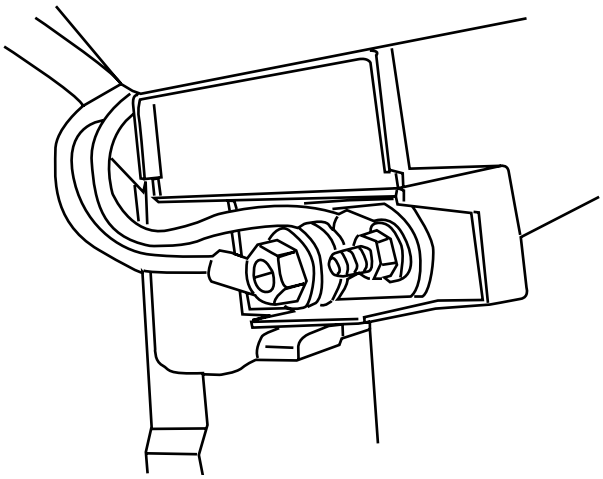
ENLARGED VIEW OF THE BATTERY POWER FUSE BLOCK



A. Relays and circuit breakers
B. Front of the vehicle
C. Floor of the vehicle

Note: Wiring diagrams for these options are shown in the Police Package owner's manual supplement (shipped in glove box).

TRUNK AUXILIARY BATTERY POWER JUNCTION BLOCK



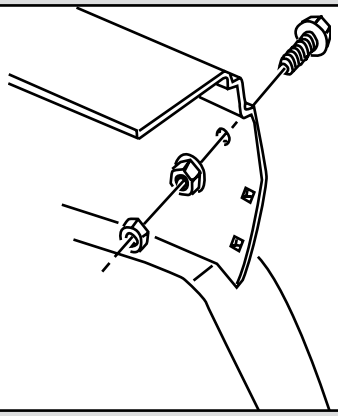
The auxiliary battery power junction block is mounted in the trunk of your Impala police vehicle. It is located on the passenger side support strut behind the rear wheel housing.

This junction block is split to provide two circuits and can be used to connect customer-furnished equipment directly to the battery through 8-gauge (8 mm2) body wiring and 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:

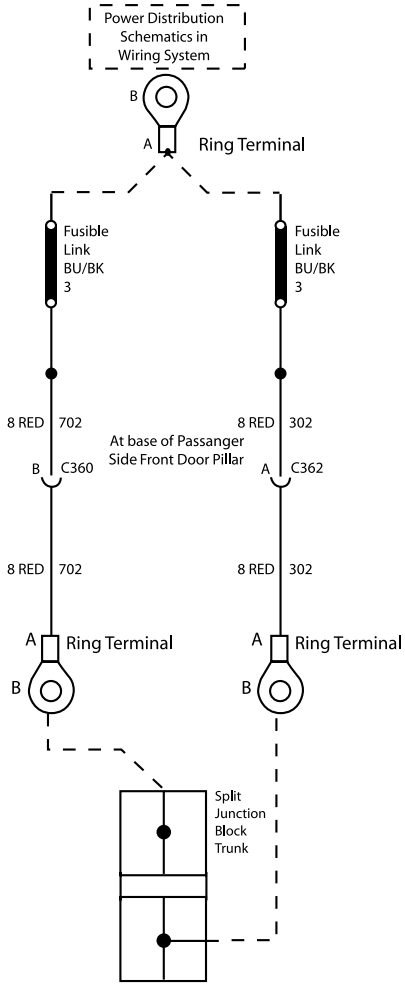
1. Disconnect the negative (–) battery cable.
2. Connect the customer-furnished equipment positive leads to the junction block terminals and tighten to 11 lb.-ft. (15 N-m). The ignition must be turned off and the vehicle vacated prior to connecting the negative (–) battery cable to the battery.
3. Reconnect 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 Impala owner's manual for more information.

TRUNK GROUND STUD



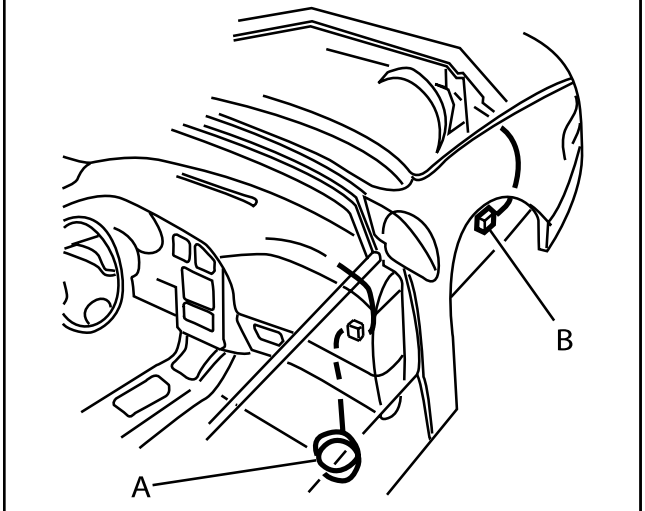
A 10 mm ground stud can be found in the trunk on the passenger's side of the vehicle. The stud is located above the trunk auxiliary junction block. See "Trunk Auxiliary Battery Power Junction Block" for more information on location. A 10 mm flanged hex nut grounds the 10 mm bolt to the vehicle. Recommended torque for the flanged nut is 26 lb.-ft. (35 N-m), plus or minus 4 lb.-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).

WIRING DIAGRAM FOR AUXILIARY BATTERY POWER JUNCTION BLOCK



Note: Wiring diagrams for these options are shown in the Police Package owner's manual supplement (shipped in glove box).

WIRING PROVISIONS FOR VEHICLE GRILLE LAMPS AND SPEAKER/SIREN – OPTION 6J3 AND 6J7



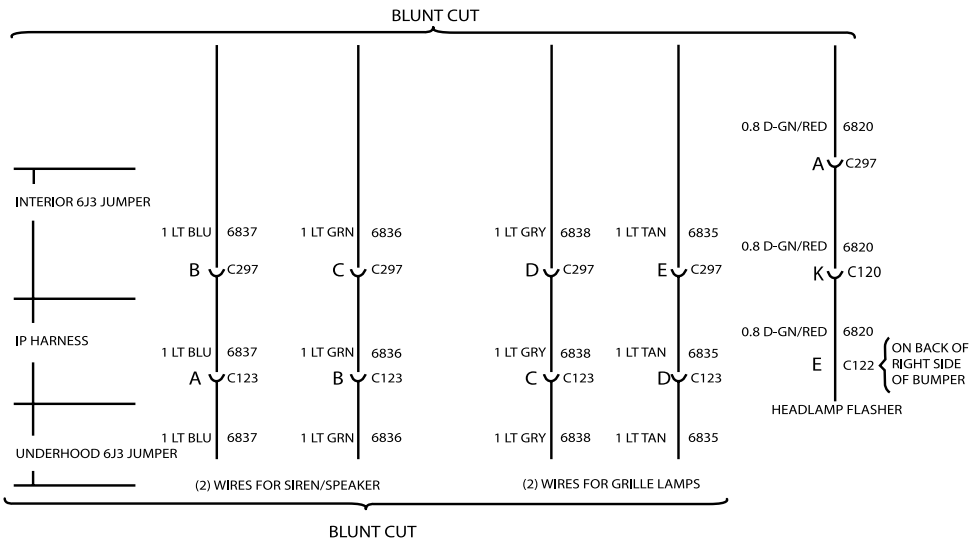
A. Blunt cut ends for the customer-furnished grille lamps and customer-furnished siren/speaker
B. Control wires from in-line connector in forward lamp harness for customer-furnished grille lamps and speaker

The SEO 6J3 wiring provision has a 5-foot (1.5 m) harness coiled underneath the instrument panel on the passenger side. The wiring circuits are routed from under the instrument panel to a 1-foot (30 cm) coil secured in the area behind the grille. There are four 16-gauge (1.0 mm2) wires for connecting to the grille lamps (GRY, TAN) and siren speaker (LT BU, LT GN)

The SEO 6J3 wiring provision also includes one 18-gauge (0.8 mm^2) control wire for the SEO 6J7 exterior lamps Emergency Flashing System.

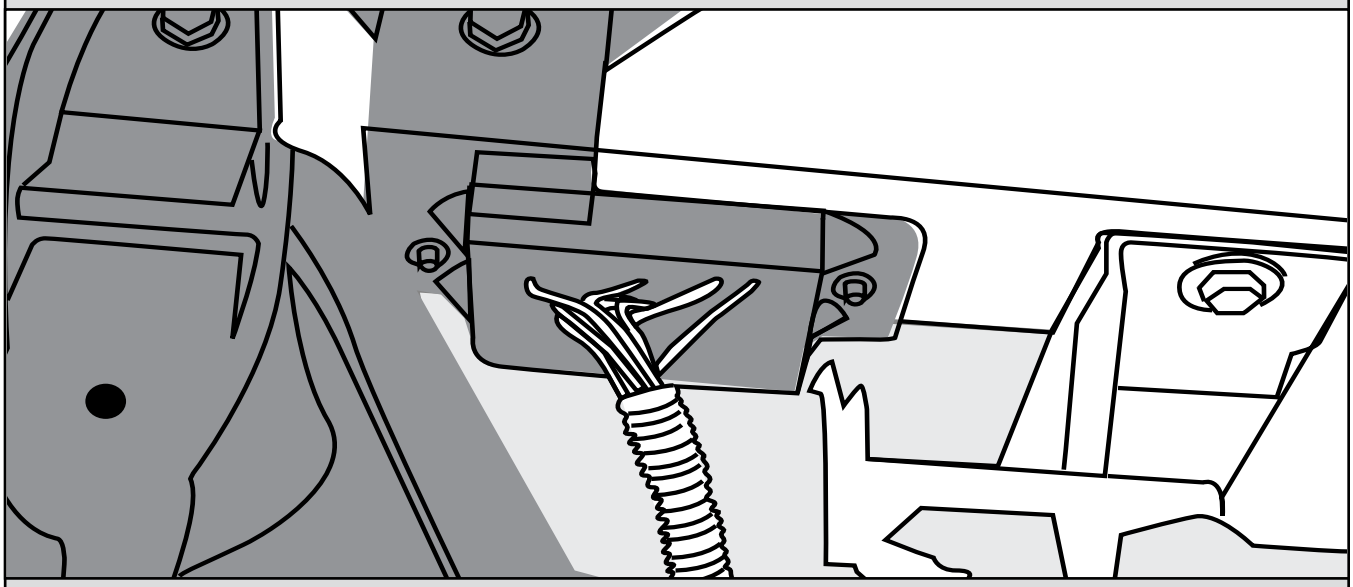
When option 6J7 is installed without option 6J3, only the dark green/red control wire is provided for connection to customer-furnished 12-volt switching to turn the Emergency Flashing System on or off.

WIRING DIAGRAM FOR OPTION 6J3 AND OPTION 6J7



Note: Wiring diagrams for these options are shown in the Police Package owner's manual supplement (shipped in glove box).

EXTERIOR LAMP EMERGENCY FLASHING SYSTEM – OPTION 6J7



Option 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's side footwell under the instrument panel. This control lead may be combined with the interior wiring leads for option 6J3 when that option is ordered with option 6J7.

The headlamps flashing module is located at the inboard end of the passenger's 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's side footwell. When activated, the driver's and passenger's side high beam headlamps and the high beam instrument panel cluster lamps 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.

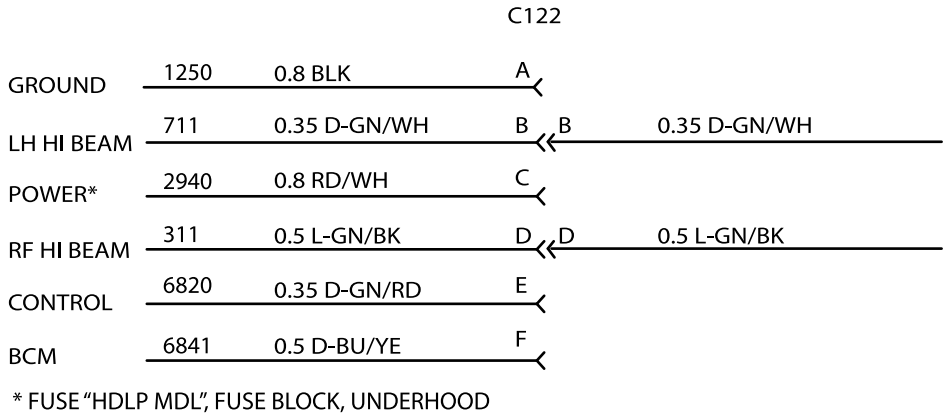
A fuse labeled HDLP MDL protects the flasher module circuit. This fuse is located in the underhood fuse block in the engine compartment on the passenger's side of the vehicle. See "Fuses and Circuit Breakers" in the "Service and Appearance Care" section of your Impala owner's manual for more information.

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.

Activation of the headlamp and rearlamp flashing can be separated. Call Kerr Industries at 905-725-6561 for instructions.

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

FORWARD LAMP HARNESS IN-LINE CONNECTOR FOR USE WITH HEADLAMPS FLASHER MODULE, OPTION 6J7

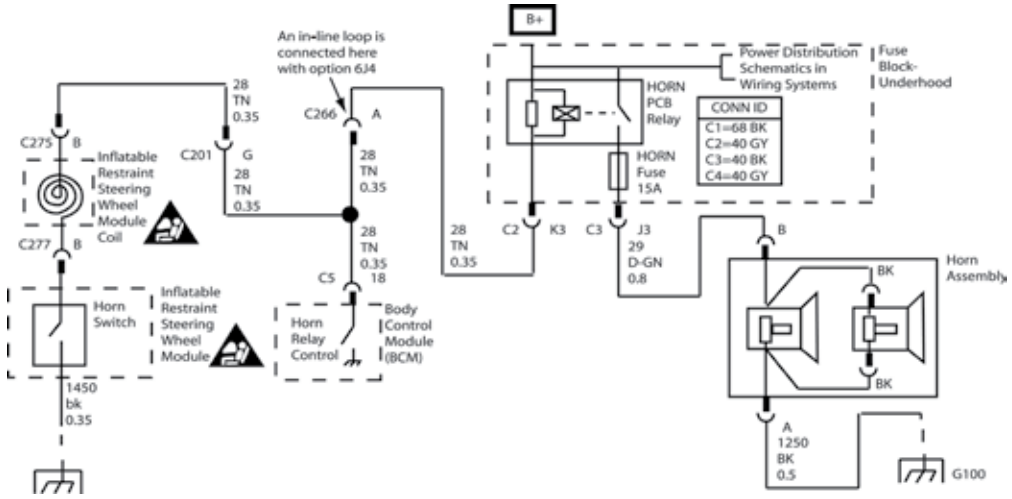


* FUSE "HDLP MDL", FUSE BLOCK, UNDERHOOD

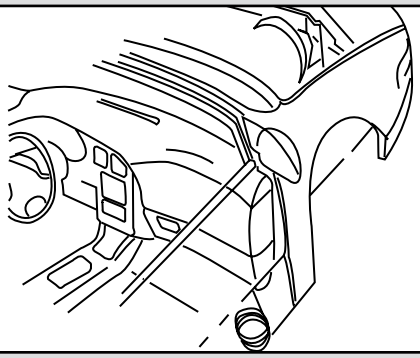
This connector is located at the rear passenger side of the bumper beam.

Note: Wiring diagrams for these options are shown in the Police Package owner's manual supplement (shipped in glove box).

WIRING DIAGRAM FOR OPTION 6J4



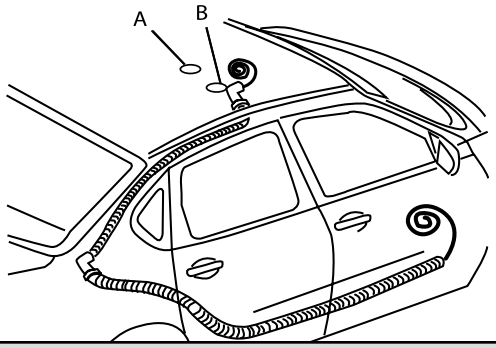
WIRING PROVISION FOR HORN/SIREN CIRCUIT – OPTION 6J4



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 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 ROOF-MOUNTED ACCESSORIES – OPTION 6F5

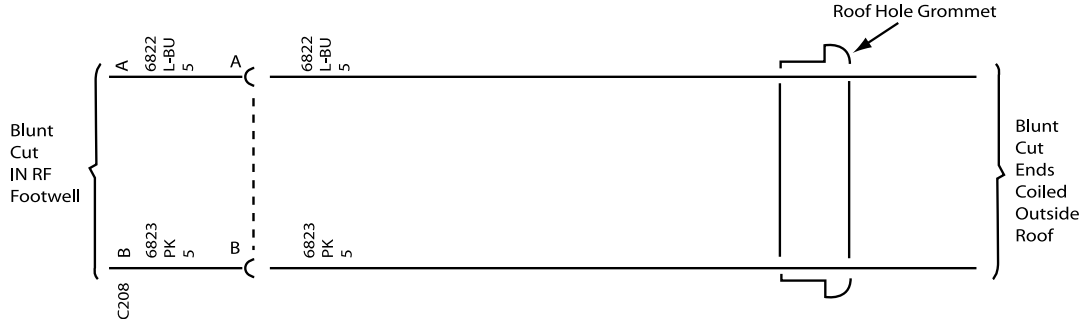


Option 6F5 is a universal wiring harness for roof-mounted equipment. The harness is routed from a 5-foot (1.5 m) coil of wire in the passenger's side footwell to a connector on the passenger's side of the trunk.

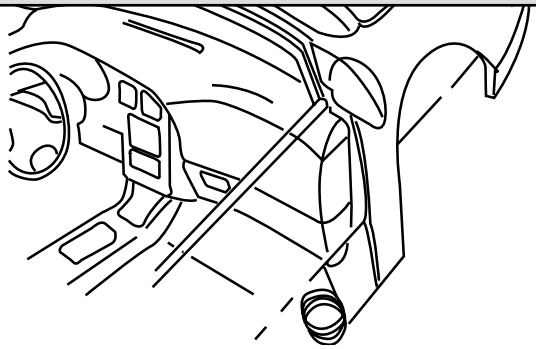
When the option 6B7 (center hole) is ordered, two color coded 10-gauge (5.0 mm^2) wires extend 24-inches (60 cm) through a grommet approximately 30-inches (74 cm) behind the top of the windshield at the center of the roof.

When option 6J5 (passenger's side hole) is ordered, two color-coded 10-gauge (5.0 mm2) 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 roof joint.

WIRING DIAGRAM FOR OPTION 6F5



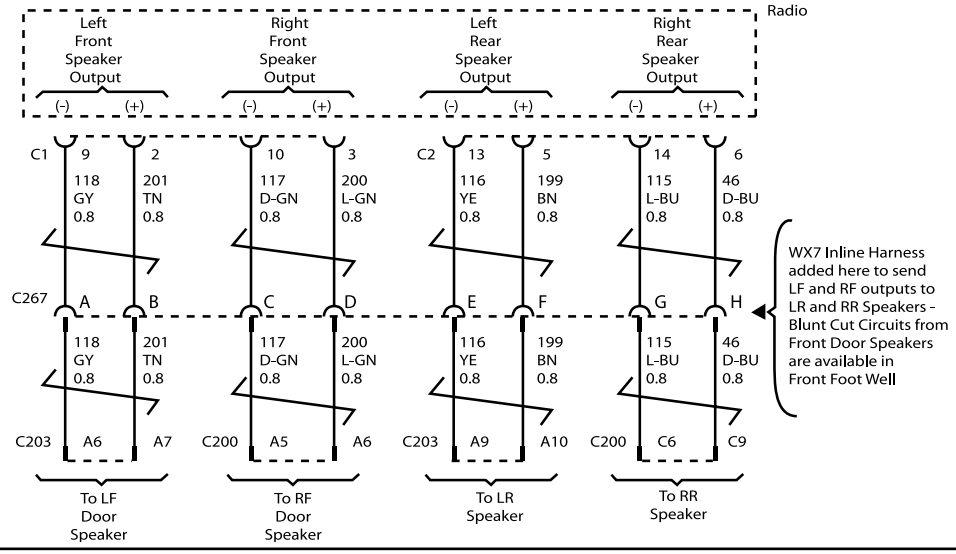
WIRING PROVISIONS FRONT SPEAKERS – OPTION WX7



Approximately 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-ignition reminder chime.

WIRING DIAGRAM FOR OPTION WX7 IN-LINE CONNECTOR



Note: Wiring diagrams for these options are shown in the Police Package owner's manual supplement (shipped in glove box).

GM offers Anti-Lock Brake Systems as standard or optional on all North American passenger vehicles and light truck lines. The computerized Anti-Lock Braking System (ABS) is designed to keep the vehicle's wheels rotating as the brakes are applied to assist the driver in achieving a controlled stop. Sensors monitor how fast the wheels rotate and feed the data continuously to the ABS computer. The vehicle's brakes slow each wheel as the brake pedal is applied. However, when ABS is activated due to road conditions, the system repeatedly releases and applies pressure to the brakes. The wheels can keep rolling, thus retaining steering ability and enhanced stability while providing a higher braking force on most surfaces than a locked wheel provides.

How exactly does ABS work?

In cars without ABS, hitting the brakes can cause the wheels to lock, leaving you unable to steer the vehicle until you decrease the pressure so the wheels can roll again. With an ABS, as you apply the brakes, the ABS computer monitors the wheel speed sensor information. If the computer senses that a wheel is approaching lock up, it sends a signal to the hydraulic modulator to reduce, then to reapply, brake pressure several times a second for as long as you maintain firm pressure on the brake pedal. The process is much like the threshold braking technique used with conventional brakes. However, ABS does it much faster and more accurately than any driver can, leaving you free to focus on steering away from obstacles.

Does ABS reduce stopping distances?

Yes, in braking situations where the wheels on a non-ABS equipped vehicle would lock up, ABS will generally provide shorter controlled stopping distance. The amount of improvement in stopping distance depends on many factors, including the road surface, severity of braking, initial vehicle speed, etc. On some surfaces, such as gravel roads, braking distances can be longer, but you will still have the control benefits of ABS. The important capability of ABS is control. ABS provides improved vehicle steerability and stability when braking.

What can affect the ABS advantage?

It is important that you follow the maintenance schedule recommended in the owner's manual of the vehicle, tires should be at their proper inflation level, the brake pads should be checked regularly, etc. While driving, you should sit comfortably, so that your hips are back in the seat and your knees are bent, even while braking. Your foot should be positioned so that your heel is on the floor and your toes are secure on the lower half of the pedal. And, though ABS may reduce stopping distance, remember: The faster you go, the longer it takes you to stop. Keeping a safe distance between you and the vehicle in front of you is always necessary, even with ABS.

What happens if ABS becomes inactive?

The ABS electronic control unit has on-board diagnostic capability. If a fault is detected, the vehicle will revert to the base brake system, and the ABS telltale on the dash will be illuminated. Should this happen, the vehicle should be taken to a dealership for repair as soon as possible.

How do I use ABS?

Depress and hold the pedal. DO NOT PUMP THE BRAKES (that prevents the system from working). Just hold the brake pedal down and let the ABS work for you. You may feel the brake pedal vibrate, or you may notice some noise, but this is normal as the system works for you.

Should I drive an ABS equipped vehicle differently than I would drive a vehicle with conventional brakes?

Most of the time, under normal driving circumstances, there is no difference, and you should always drive with the same caution and care. It is important to realize that ABS only makes a difference when it is activated—when you have to brake hard—and that would only be when the computer senses that a wheel is approaching lock up. When ABS activates keep steady pressure on the brake pedal and then let the ABS work for you. Don't pump the brakes or try to find the threshold. Simply hold the brake pedal down and steer if necessary to avoid an obstacle.

Is ABS always active?

ABS is always available, but not always activated. ABS is activated only when the brake pedal is applied and the computer detects an impending wheel lock condition.

Can older cars be retrofitted with ABS?

No! The brake system is one of the most important features on any passenger vehicle.

Several products, which tap into the master cylinder and/or brake system performance, are being sold in the aftermarket. Some of these products imply performance similar to new vehicle anti-lock brake systems.

However, contrary to their claims, add-on systems, which deplete fluid from the master cylinder on brake apply may actually increase a vehicle's stopping distance. This may cause the vehicle to fail to comply with Federal brake standards.

Does ABS always activate at the same speed?

No, the system operates when the computer detects wheel lockup, at any speed above 8 mph.

Will ABS wear out a vehicle's brakes sooner?

A properly maintained brake system will be unaffected by ABS operation under typical driving conditions.

Are there different types of ABS?

Yes, there are rear wheel anti-lock systems (RWAL) used on some trucks and four-wheel ABS available on cars and trucks.

Do Federal Safety Standards mandate ABS?

No. Federal standards establish minimum braking performance requirements that all vehicles must meet, but do not specify how they should be met. It should be noted that even a vehicle with failed ABS meets the Federal safety standard for stopping distances.

Will a tire size change affect ABS?

Use of tires other than original equipment may affect ABS performance. Owners should consult and follow the recommendations contained in the vehicle owner's manual regarding replacement tire size. ***Note: ABS will work with original equipment spare tire or tire chains. However, performance is reduced.***

Do insurance companies give a discount for ABS?

Yes, many insurance companies give discounts that range from 5% to 10%. In the states of New York and Florida all insurance companies are required to give an ABS discount of 5% on certain coverages such as bodily injury, property damage, collision, and personal injury protection. In other states the discount varies from insurance company to insurance company. When buying auto insurance, always ask your insurance agent if his/her company gives a discount for vehicles equipped with anti-lock brakes.

IMPORTANT DRIVING SAFETY TIPS

A. **Always maintain a safe following distance.** ABS does not allow you to stop on a dime. (Generally a 2-second following distance is considered safe in ideal conditions.) Watch the vehicle in front of you pass a fixed marker (such as a sign). Count seconds—one-thousand-one, one-thousand-two-until your front bumper reaches the marker. If you do not count out two seconds, then you are too close to the vehicle in front of you. Also, if the roads are wet or icy, or visibility is poor, you should increase your following distance.

B. **Always drive carefully—** especially on slippery surfaces. ABS cannot create friction between the tires and the road surface, it can only give the driver the maximum advantage of the existing adhesion. If the vehicle is traveling on a surface with no adhesion, the best ABS in the world cannot provide a shorter stopping distance or good steering.

C. **It is a good idea to practice an ABS activated stop** and get the feel of the brake pedal. However, please make sure it's at a safe time with no obstacles in your path. And you only really need to try it once or twice to know what happens.

Date: April 1, 2010

To: Whom it may concern

Subject: 2006-2011 Model Year Impala Police Speedometer

The following is true of the certified speedometer calibration specifications, at ambient temperature of -10 to 120 degrees F. Inaccuracies due to vehicle speed sensing are included.

Actual Vehicle Speed	Indicated Speed
0 to 120 MPH	+/- 2 MPH

Note:
The speedometer calibration is specific for a 3.9L engine, automatic transmission with a 3.29 axle and P225/60R16 tires.

Regards,

Brian Tolan
Performance Engineer – Police Vehicles
General Motors Corporations
Milford Proving Grounds
3300 General Motors Rd
Building 10, (MC 483-744-275)
Milford, Michigan 48380-3726
Phone 248-830-87602
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CHEVROLET
POLICE
VEHICLES
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UPDATES FOR 2011

New Features

- STABILITrak
- (1LR) City Brake System option
- (GHA) Mocha Steel Metallic exterior color

Changes

- (6J3) Grille lamps and siren speaker wiring harness redesigned without alternating flasher for use with LED type lamps

Deletions

- (46U) Blue Granite Metallic exterior color

Shown with Aftermarket Equipment.

Police Package Option PPV must be ordered. The 2-wheel drive Tahoe Police Package is not intended for trailer towing.
This vehicle has been designed for police work up to and including high speed emergency vehicle operations.
GM restricts the sale of police vehicles and they are not to be sold to retail customers.

MODEL AVAILABILITY

CC10706	Rear-wheel drive

STANDARD EQUIPMENT SUMMARY

WARRANTY	3 years / 36,000 mile bumper-to-bumper (whichever comes first, see dealer for details) 5 years / 100,000 mile limited powertrain (whichever comes first, see dealer for details)

INTERIOR FEATURES

AIR CONDITIONING	Dual-zone manual climate control with individual climate settings for driver and front passenger; includes auxiliary rear air conditioning and heat (rear operated from front control only)
ASSIST HANDLES	Front passenger and second row outboard; front passenger assist handle is deleted when passenger side spotlamp is ordered
CONSOLE, FLOOR	Deleted with optional bucket seats
CONSOLE, OVERHEAD	Includes map lamps
CRUISE CONTROL	Electronic with set and resume speed
DOME LAMPS	Dome lamps, cargo lamp with delayed entry feature and map lamps **(see page 18 interior/exterior lamp control to turn off dome light)**
FLOOR COVERING	Black vinyl floor and load floor behind second row seats
GLASS	Deep tinted (all windows except light-tinted glass on windshield, driver and front passenger side glass)
MIRROR	Inside rearview manual day/night
ONSTAR	Not available on Police Package
RADIO	AM/FM stereo with MP3 compatible CD player, seek-and-scan, digital clock, auto-tone control, Radio Data System (RDS), speed-compensated volume and theftlock
RESTRAINT SYSTEM	**Tahoe received an overall 5-star frontal and side crash test rating from NHTSA.** Safety belts with dual stage driver and passenger frontal air bags[1] with passenger sensing system and frontal air bag[1] ON/OFF indicator; dual head curtain air bags[1] for front and rear outboard occupants and front seat back mounted thorax and pelvic air bags[1]
SEATS, FRONT	Cloth bucket seats 6-way power driver and passenger seat adjusters with manual reclining seat back and lumbar controls and adjustable head restraints
SEAT, REAR	Vinyl split-folding 60/40 bench with outboard seating position headrests (see page 4) 3rd seat not available
SPEEDOMETER/CLUSTER	140 mph certified analog speedometer, 1 mph increments, digital trip odometer, with oil pressure, volt meter, tachometer, engine temperature gauge, hour meter and Driver Information Center (see message center listing on page 6)
STEALTH MODE	See exterior lamps control on page 18 for operation description
STEERING WHEEL	Tilt-wheel with column mounted gear shift lever
THEFT DETERRENT	Vehicle theft PASS-Key® III+ and content theft (unauthorized entry sounds horn and lamps flash). For content theft alarm disable option UTQ must be ordered (see page 7)
VISORS	Padded with cloth trim, extends on rod
WARNING TONES	Headlamp on, key-in-ignition, driver and right-front passenger safety belt unfasten and turn signal on
WINDOW OPERATION	Power with driver express-down and lockout features

ELECTRICAL FEATURES

AUXILIARY POWER, FRONT	100-amp ignition and main power supply wiring at lower center of instrument panel (see wiring provisions for 12-volt battery power supply on page 25)
AUXILIARY POWER, REAR	100-amp auxiliary power in cargo area (see page 27)
GROUND STUDS	Two studs located in rear compartment near bottom of liftgate opening (see page 27)
LOCK-OUT PROTECTION	Prevents the power door locks from locking the driver's door if the keys are left in the ignition (manually lockable with engine running)
POWER OUTLETS	Two located on instrument panel and one in rear cargo area
WIRING DIAGRAMS	See pages 25 through 32 for description; also see Tahoe Police Package owner's manual supplement (located in glove box folder with standard owner's manual)
WIRING PROVISION, EXTERIOR LAMPS FLASHING	Forward lamp harness in-line connector for Exterior Lamps Flashing System (see option 6J7 on page 7)

1. Head curtain side air bags are designed to help reduce the risk of head and neck injuries to front and rear seat occupants on the near side of certain side-impact collisions. Always use safety belts and the correct child restraints for your child's age and size, even in vehicles equipped with air bags. Children are safer when properly secured in a rear seat. See your vehicle Owner's Manual and child safety seat instructions for more information.

EXTERIOR FEATURES

ASSIST STEPS	Black, mounted between front and rear wheels
DEFOGGER	Electric, rear window
DOOR HANDLES	Matte Black
DOOR LOCKS	Power, non-programmable with lockout protection and automatic door locking and unlocking, door lock cylinder no longer available on passenger front door and rear liftgate, child safety locks included in rear doors
FASCIA, FRONT	Body color
FASCIA, REAR	Body color - with step pad
FOG LAMPS	Not available
HEADLAMPS	Dual halogen composite with flash-to-pass feature automatic exterior lamp control and daytime running lamps (to delete automatic lamp control see option 9GB on pages 7 and 18)
KEYLESS ENTRY	Includes two transmitters with non-functional panic button; stealth mode feature includes exterior lamps and horn disable, during remote start feature running lamps will remain illuminated (additional transmitters are available; see option AMF on page 7)
KEYS	Two-sided, random code, for ignition and driver door only
LUGGAGE RACK	Not available
MIRRORS	Outside heated power-adjustable, manual-folding, Matte Black
REAR LIFTGATE	Liftgate/liftglass with washer and wiper, and no lock cylinder on liftgate (power liftgate not available lock cylinder available through Kerr Industries)
RECOVERY HOOKS	Two front
UNDER HOOD LAMP	Not available
WINDSHIELD WIPERS	Intermittent, wet-arm with flat blade and pulse washers

CHASSIS FEATURES

AIR CLEANER	High-capacity
ALTERNATOR	160-amp with idle boost (transmission in PARK or NEUTRAL) based on battery energy level
BATTERY	Heavy-duty 730 cca with battery rundown protection (does not protect customer installed equipment)
BRAKES	Heavy-duty 4-wheel anti-lock front and rear disc with vacuum boost power assist
COOLING	Heavy-duty high capacity radiator, electric fans and extended life coolant; coolant hoses are EPDM (ethylene-propylene-diene monomer) rubber; silicone hoses are not required (coolant is DEX-COOL good for 5 years/150.000 miles, protects from -34° F to +265° F and against rust and corrosion)
ENGINE	Vortec 5300 V8 SFI with active fuel management, FlexFuel[2] (gas or E85 ethanol); top speed fuel cut-off at 125 mph; includes air conditioning wide open throttle cut off
FRAME	Full perimeter, modular with hydroformed rails
FUEL TANK CAPACITY	26 gallon (98 liters)
OIL COOLERS	Heavy-duty engine, transmission and auxiliary air-to-oil power steering (see page 17 for description)
PROP SHAFT	High speed balanced aluminum, four inch diameter
RADIO SUPPRESSION	Grounding straps, at five additional locations (see page 18 for locations)
SKID PLATE	Front underbody shield starting behind front bumper and running to 2nd cross-member protecting front underbody and oil pan
SPARK PLUGS	Extended life - iridium tip
STABILITRAK	Stability enhancement system. It is an advanced computer controlled system that assists the driver with directional control of the vehicle in difficult driving conditions. Each time the vehicle is started, the StabiliTrak system is fully on. StabliliTrak can be controlled by a StabiliTrak button on the instrument panel. The condition of the system is displayed by an instrument panel StabiliTrak indicator light and Driver Information Center (DIC) Messages. Push once, Traction Control is off, push and hold five seconds Traction Control and StabiliTrak is off, push again and Traction Control and StabiliTrak are turned back on
STEERING	Power, rack and pinion
SUSPENSION, FRONT	Coil-over-shock with stabilizer bar
SUSPENSION, REAR	Multi-link with coil springs, shocks and heavy-duty stabilizer bar
TIRES	Goodyear P265/60R17 all-season, **V-rated**, blackwall
TIRE PRESSURE MONITOR	CHECK TIRE PRESSURE spare tire includes sensor; must be programmed when mounted (see page 18)
TIRE, SPARE	Full-size spare, lockable with outside winch-type carrier mounted under frame at rear (includes TPM sensor - not programed)
TRAILERING EQUIPMENT	Not available on Police Package (PPV)
TRANSMISSION	Enhanced calibration 6-speed automatic with overdrive, electronically-controlled transmission provides protection against over-revving the engine in low gear and a mechanical low gear blockout is not required; if a driver manually selects low gear and fails to manually upshift to high gear, the powertrain control module automatically protects the drivetrain
WHEELS	17" x 7.5" heavy-duty black steel
WHEEL CENTER CAP	Polished finish bolt-on metal

2. E85 is 85% ethanol and 15% gasoline. To see if there is an E85 station near you, go to www.gmaltfuel.com/e85-station-locator.

POWERTRAIN

ENGINE				TRANSMISSION		AXLE	
OPTION CODE	TYPE	DISPLACEMENT LITERS/CU. IN.	FUEL SYSTEM	OPTION CODE	TYPE	OPTION CODE	RATIO
LMG	V8	5.3/325	Active fuel management FlexFuel[2] (gas or E85 ethanol)	MXO/MYC	6-speed auto. with OD	GU4	3.08

EMISSIONS - MUST BE SPECIFIED

FE9	FEDERAL EMISSIONS. Use for ordering vehicles that will be registered in all states except California, Connecticut, Maine, Maryland, Massachusetts, New Jersey, New Mexico, New York, Oregon, Pennsylvania, Rhode Island, Vermont and Washington State
YF5	CALIFORNIA EMISSIONS. Use for ordering vehicles that will be registered in California.
NE1	CT/ME/MD/MA/NJ/NM/NY/OR/PA/RI/VT/WA EMISSIONS. Use for ordering vehicles that will be registered in Connecticut, Maine, Maryland, Massachusetts, New Jersey, New Mexico, New York, Oregon, Pennsylvania, Rhode Island, Vermont or Washington State
NB8	Required when option code FE9 "FEDERAL EMISSIONS" is ordered for delivery to a dealer located in California, Connecticut, Massachusetts, Maryland, New Jersey, New Mexico, New York, Oregon, Pennsylvania, Rhode Island and Washington State for a purchaser who will be registering the vehicle outside California, Connecticut, Maine, Maryland, Massachusetts, New Jersey, New Mexico, New York, Oregon, Pennsylvania, Rhode Island, Vermont and Washington State.
NC7	Required when option code YF5 "CALIFORNIA EMISSIONS" or option code NE1 "CT/ME/MD/MA/NJ/NM/NY/OR/PA/RI/VT/WA EMISSIONS" is ordered for delivery to a dealer located in any state except California, Connecticut, Maine, Maryland, Massachusetts, New Jersey, New Mexico, New York, Oregon, Pennsylvania, Rhode Island, Vermont and Washington for a purchaser who will be registering the vehicle in one of these states or sold as permitted below under "EPA Policy on the Sale of California Emission Vehicles"
NB9	Required when option code YF5 is ordered for delivery to a dealer located in Connecticut, Maine, Maryland, Massachusetts, New Jersey, New Mexico, New York, Oregon, Pennsylvania, Rhode Island, Vermont and Washington. Required when option code NE1 is ordered for delivery to a dealer located in California.

TIRES - SPEED RATED

MANUFACTURER	QUANTITY	SIZE	SPEED RATING	TYPE
GOODYEAR	5	P265/60R17	V	All season BW

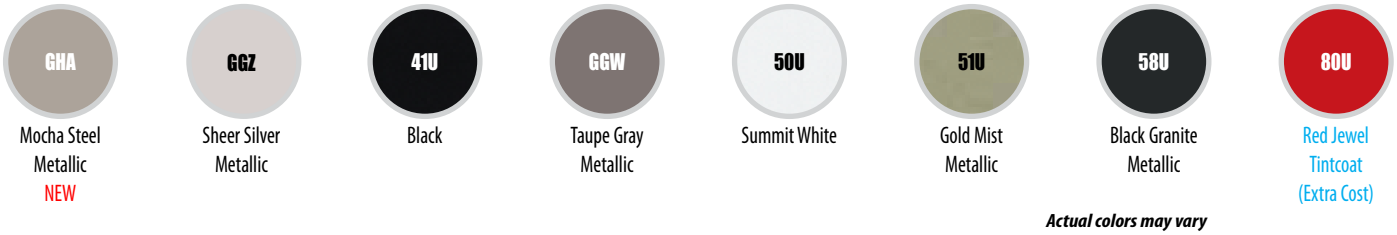
Note: Due to specific requirements for performance durability and safety, GM recommends only the original equipment tires for replacement

SEATS AND INTERIOR TRIM

		SEAT OPTIONS	EBONY
STANDARD	Front: cloth bucket with NO center console (power driver and passenger seat)	A95 and 9N5	19C
	Rear: vinyl 60/40 split-bench	5T5	
OPTIONAL	Front: cloth 40/20/40 split-bench (power driver side seat only)	AZ3	19C
	Rear: vinyl 60/40 split-bench	5T5	

2. E85 is 85% ethanol and 15% gasoline. To see if there is an E85 station near you, go to www.gmaltfuel.com/e85-station-locator.

AVAILABLE EXTERIOR COLORS



Actual colors may vary

SEO PAINT AVAILABLE

WA#	COLOR DESCRIPTION	SEO CODE
253A	Wheatland Yellow	9W3
334D	Dark Toreador Red	
722J	Dark Blue Metallic	9V7
5665	Blue	
7941	Green	
9015	Woodland Green	9V5
9260	Victory Red	5T4
9414	Yellow	

ACTUAL COLOR MAY VARY

Note: ***• All normally body-colored non-sheet metal parts, will be Flat Black (except Victory Red non-sheet metal parts will match)***

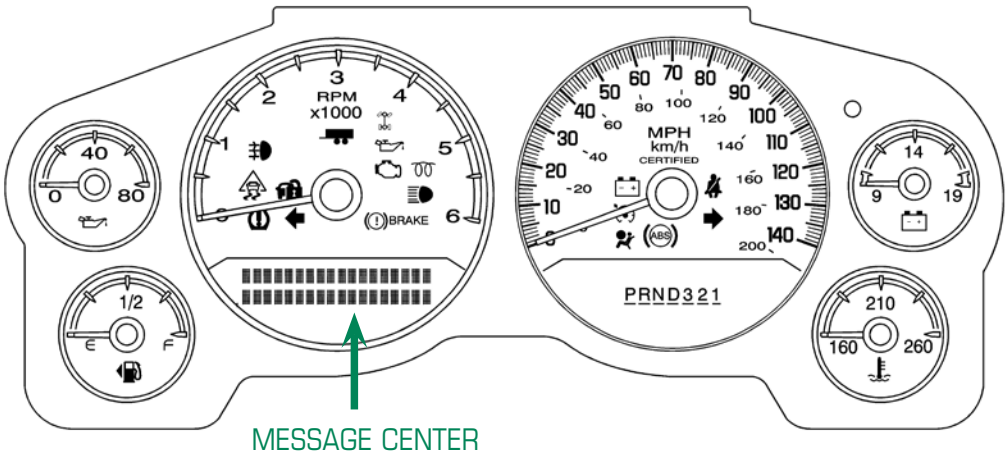
• SEO paint orders that contain less than five vehicles will be delayed until five unit minimum is received for batch production

SPECIAL PAINT ALSO AVAILABLE THROUGH KERR INDUSTRIES

- Special paint is also available for PPV and 5W4 Tahoes
- This work is done as part of the Kerr Industries dealer direct program
- A minimum order is not required with this program. Please contact Kerr Industries at 905-725-6561 to discuss your requirements

TAHOE DRIVER INFORMATION CENTER PPV

UNITED STATES CERTIFIED SPEEDOMETER/CLUSTER (CANADIAN SIMILAR)



CHANGE ENGINE OIL SOON	REPLACE BATTERY IN REMOTE KEY
CHECK TIRE PRESSURE (PRESS RESET) LF/RF/LR/RR	RIGHT REAR DOOR OPEN
DRIVER DOOR OPEN	SERVICE AIR BAG
ENGINE HOT A/C TURNED OFF	SERVICE BATTERY CHARGING SYSTEM
ENGINE OIL LOW ADD OIL	ENGINE HOURS
ENGINE OVERHEATED IDLE ENGINE	SERVICE BRAKE SYSTEM
ENGINE OVERHEATED STOP ENGINE	SERVICE BRAKES SOON
ENGINE POWER IS REDUCED	SERVICE THEFT DETERRENT SYSTEM
FUEL LEVEL LOW	SERVICE TIRE MONITOR SYSTEM
HOOD OPEN	TIGHTEN GAS CAP
LEFT REAR DOOR OPEN	TIRE LEARNING ACTIVE
OIL PRESSURE LOW STOP ENGINE	TRACTION CONTROL OFF
PASSENGER DOOR OPEN	TRANSMISSION HOT IDLE ENGINE
REAR ACCESS OPEN	TURN SIGNAL ON
REMOTE KEY LEARNING ACTIVE	WASHER FLUID LOW ADD FLUID

***Note:** The Tahoe Police Package and Special Service Package are not equipped with DIC buttons. The instrument cluster odometer trip stem is used to display the following messages: odometer, engine hours, trip odometer, tire pressure, remote keyless entry, programming and DIC language. See the Tahoe owner's manual for operation description.*

AVAILABLE OPTIONS WITH TAHOE PPV POLICE PACKAGE

B85	**BODY SIDE MOLDINGS** - On 4 doors
1LR	**BRAKE SYSTEM, CITY** - Uses base friction material that wears better at lower temperatures but is not optimal for track performance. The rotor does not have the radial drilled holes (again, thermal performance for track applications). Service wise these parts are physically interchangeable with their various performance trade offs.
UTQ	**CONTENT THEFT ALARM DISABLE** - Flashing lamps and horn warning
9G8	**DELETE DAYTIME RUNNING LAMPS AND AUTOMATIC HEADLAMPS**
6A6	**DUAL CRANKING 730 CCA BATTERIES** - Parallel connected
9V7	**EXTERIOR BODY COLORED PARTS** - Dark Blue Metallic, provides Dark Blue Metallic special paint WA722J and Dark Blue Metallic special painted exterior body parts in lieu of glossy Black color normally installed with special paint. Dark Blue Metallic painted parts will consist of front fascia, rear bumper fascia, rear liftgate handle and liftgate applique above license plate. Door handles, mirrors, rear D-pillar applique and liftgate spoiler will remain Black. B85 body-side moldings are not available. Requires SEO TGK special paint
5T4	**EXTERIOR BODY COLORED PARTS** - Victory Red special painted exterior body parts in lieu of glossy Black color normally installed with special painted bodies, Victory Red painted parts will consist of front fascia, rear bumper fascia, rear liftgate license plate applique and rear liftgate handle, door handlesand body side moldings. Mirrors, rear D-pillar applique and liftgate spoiler will remain Black. Requires SEO TGK special paint and special paint color WA9260 Victory Red. Includes RPO B85 body side moldings
6J7	**FLASHER SYSTEM HEADLAMP AND TAIL LAMP** - DRL compatible, headlamp flasher module with control wire and body control module rear lamp flashing
B30	**FLOOR COVERING** - Color keyed carpeting
B58	**FLOOR MATS** - Color keyed carpeted front and 2nd row (not available with vinyl floor covering)
K05	**HEATER** - Engine block
PPV	**IDENTIFIER** - Police Package
6E2	**KEY COMMON** - Complete vehicle fleet, provides a single key cut with a specific code that is common to the door lock and ignition of all the vehicles in the vehicle fleet; this key code is an alternate to SEO 6E8 key common, complete vehicle fleet; not compatible with 2005 and earlier Impalas, 2006 and earlier Tahoes and 2011 Caprice
6E8	**KEY COMMON** - Complete vehicle fleet, provides a single key cut with a specific code that is common to the door lock and ignition of all the vehicles in the vehicle fleet; this key code is an alternate to SEO 6E2 key common, complete vehicle fleet; not compatible with 2005 and earlier Impalas, 2006 and earlier Tahoes and 2011 Caprice
AMF	**KEYLESS ENTRY TRANSMITTERS - Fleet Package includes 6 additional transmitters. Transmitters are not programmed. Each transmitter, including the two standard with the vehicle, must be programmed together by a dealer at customer expense. Transmitter programming is not a warranty item. Note: Vehicle specific, common fleet transmitter frequency not available**
G80	**LOCKING DIFFERENTIAL** - Heavy-duty
6N6	**LOCKS** - Rear door inoperative (rear power locks are inoperable at rear door but operate from drivers position)
TRW	**PROVISION FOR ROOF MOUNTED LAMP** - Overhead console mounted switch and wiring to the roof; upfitter to install and connect a roof mounted warning lamp; instructions provided in owner's manual supplement
6B2	**REAR DOOR HANDLES INOPERATIVE** - Rear door locks inoperative (doors can be opened only from outside)
6N5	**REAR WINDOW SWITCHES INOPERATIVE** - Rear windows only operate from drivers position
AP3	**REMOTE VEHICLE STARTER SYSTEM** - Includes remote keyless entry
5T5	**SEATS** - Front cloth with vinyl rear seat (see page 4)
TGK	**SPECIAL PAINT SOLID** - One color all normally body-colored non-sheet metal parts will be gloss Black. This includes front and rear facias, liftgate handle and applique, D-pillars and upper liftgate applique. Mirrors and door handles will be grained Black parts. B85 body-side moldings are not available except with SEO option 5T4 exterior body-colored parts. May require extended lead time. Required with any SEO paint selection. May require extended lead time
7X6	**SPOTLAMP** - Left hand, separately fused
7X7	**SPOTLAMPS** - Left and right hand, separately fused
WX7	**WIRING** - For customer connection to front door speakers
6J3	**WIRING** - For grille lamps and speaker. Front speakers are not connected to the vehicle radio,; radio audio is sent to the rear speakers
6J4	**WIRING** - For horn/siren circuit, in-line connection for customer furnished switch

For standard and optional illustrations see pages 17 through 19

Note: ***• Tahoe Turn-Key Packages available only through your Chevrolet dealer***

• Direct purchase equipment is available through dealer direct order and purchase from Kerr industries 905-725-6561

• Warranty claims for direct purchase equipment must be directed through Kerr industries

GENERAL

Model	CC10706
Drive	2-wheel

EXTERIOR (in./mm)

Wheelbase	116.0/2946
Overall length	202.0/5131
Overall width	79.0/2007
Overall height	73.9/1877
Front track width	68.2/1732
Rear track width	67.0/1701
Turning diameter curb to curb (ft./m)	39.0/11.9
Ground clearance (rear axle)	8.0/203

FRONT COMPARTMENT (in./mm)

Head room	41.1/1044
Shoulder room	65.3/1659
Hip room	64.4/1636
Leg room (maximum)	41.3/1049

REAR COMPARTMENT (in./mm)

Head room	39.2/996
Shoulder room	65.2/1656
Hip room	60.6/1539
Leg room (minimum)	39.0/991

CARGO

Cargo volume[3] (cu. ft./liters)	108.9/3084
Load floor length to center of front seat at floor (in./mm)	81.4/2068
Load floor length to center of 2nd seat at floor (in./mm)	49.4/1255
Inside width between wheel house (in./mm)	49.1/1247
Cargo area height (in./mm)	41.7/1059

Note: For additional dimensional data go to: gmupfitter.com

FUEL ECONOMY RATINGS

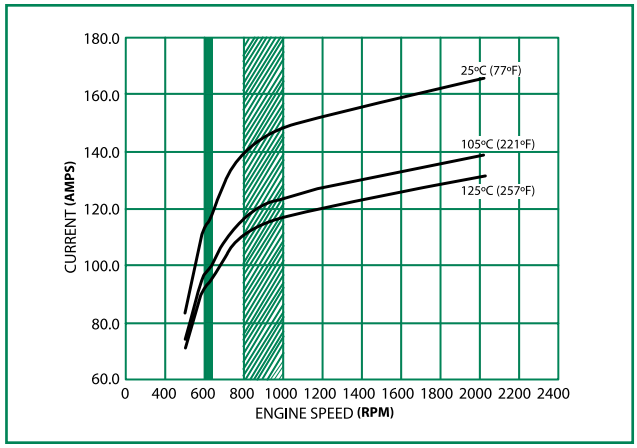
	CITY/HIGHWAY/COMBINED
5.3L engine 2WD[4]	15/21/17

Projected EPA label values, actual mileage will vary with options, driving conditions, driving habits and vehicle's condition.

ALTERNATOR

Type		REMY DR44M
Amps	77°F (25°C)	160

TAHOE POLICE ALTERNATOR OUTPUT



NORMAL IDLE SPEED: 600-650 RPMS

COMPUTER CONTROLLED IDLE SPEED RANGE (PARK): 800-1000 RPM

ENGINE

	STD
Type	Vortec V8
Displacement: liters/cu. in.	5.3/325
Horsepower/rpm	320 @ 5400
Torque lb.-ft./rpm	335 @ 4000
Induction system	sfi
Compression ratio	9.9:1
Exhaust	Single
Minimum recommended fuel octane	87
Fuel tank capacity (gallons/liters)	26/98
Oil with filter (quarts/liters)	**6.0/5.7**
Cooling capacity (quarts/liters)	**18.3/17.3**

TRANSMISSION

Automatic electronic with overdrive	6-speed
Fluid pan removed and filter replaced (quarts/liters)	**6.0/5.7**

AXLE

Ratio	3.08

BRAKES

ABS with vacuum-boost	Disc/Disc
Front-swept area (sq. in./sq. cm)	256.6/1655
Rear-swept area (sq. in./sq. cm)	248/1600
Total front and rear swept area (sq. in./sq. cm)	504.6/3255
Front rotor diameter (in./mm)	13.0/330
Rear rotor diameter (in./mm)	13.5/343
Front rotor thickness (in./mm)	1.2/30
Rear rotor thickness (in./mm)	.79/20

TIRES

Type	**Goodyear V-rated all-season**
Size	P265/60R17

WHEELS

Type	Steel
Size	17" x 7.5"

CHASSIS

Frame	Full perimeter steel
Front suspension	Independent, single coil-over-shocks with stabilizer bar
Rear suspension	Multi-link with coil spring
Steering type	Power rack and pinion

BATTERY

Type	Maintenance free
BCI group size	LN3
Volts	12
Amp hour rating	70
Cold cranking amps @ 0°F (-18°C)	730
Reserve capacity @ 80°F (27°C)	110

VEHICLE WEIGHT (lbs./kg.)

GVWR[5]	6700/3039
Curb	5342/2423
Payload with bucket seats[6]	1358/616

Note: See owner's manual supplement for loading information

3. Cargo and load capacity limited by weight and distribution.
4. EPA-estimated MPG.
5. Gross Vehicle Weight Rating (GVWR). When properly equipped, includes vehicle, passengers, cargo and equipment.
6. Maximum payload capacity includes weight of driver, passengers, optional equipment and cargo.

UPDATES FOR 2011

New Features

- (GHA) Mocha Steel Metallic exterior color

Changes

- (6J3) Grille lamps and siren speaker wiring harness redesigned without alternating flasher for use with LED type lamps

Deletions

- (46U) Blue Granite Metallic exterior color

Shown with Aftermarket Equipment.

Note: This vehicle is NOT designed nor intended for use IN HIGH SPEED EMERGENCY VEHICLE OPERATIONS GM restricts the sale of police vehicles and they are not to be sold to retail customers.

MODEL AVAILABILITY

CK10706	4-wheel drive

STANDARD EQUIPMENT SUMMARY

WARRANTY	3 years / 36,000 mile bumper-to-bumper (whichever comes first, see dealer for details) 5 years / 100,000 mile limited powertrain (whichever comes first, see dealer for details)

INTERIOR FEATURES

AIR CONDITIONING	Dual-zone manual climate control with individual climate settings for driver and front passenger; includes auxiliary rear air conditioning and heat (rear operated from front control only)
ASSIST HANDLES	Front passenger and second row outboard; front passenger assist handle is deleted when passenger side spotlamp is ordered
CONSOLE, OVERHEAD	Includes map lamps
CRUISE CONTROL	Electronic with set and resume speed
DOME LAMPS	Dome lamps, cargo lamp with sustained lamps feature and map lamps
FLOOR COVERING	Black vinyl floor and load floor behind second row
GLASS	Deep tinted (all windows except light-tinted glass on windshield, driver and front passenger side glass)
MIRROR	Inside rearview manual day/night
ONSTAR	Not available on Special Service Package
RADIO	AM/FM stereo with MP3 compatible CD player, seek-and-scan, digital clock, auto-tone control, Radio Data System (RDS), speed-compensated volume and theftlock
RESTRAINT SYSTEM	**Tahoe received an overall 5-star frontal and side crash test rating from NHTSA.** Safety belts with dual stage driver and passenger frontal air bags[1] with passenger sensing system and frontal air bag[1] ON/OFF indicator; dual head curtain air bags[1] for front and rear outboard occupants and front seat back mounted thorax and pelvic air bags[1]
SEAT, FRONT	Split-bench 40/20/40 with cloth 3-passenger, includes 6-way power driver seat adjuster (power passenger seat is not available) with manual lumbar, driver and passenger manual reclining, outboard head restraints, center fold-down storage armrest and rear storage pockets (see page 12)
SEAT, REAR	Vinyl split-folding 60/40 bench with outboard seating position headrests 3rd seat not available (see page 12)
SPEEDOMETER/CLUSTER	120 mph analog speedometer, digital trip odometer, with oil pressure, volt meter, tachometer, engine temperature gauges, hour meter and Driver Information Center (see message center listing on page 16)
STEALTH MODE	See exterior lamps control on page 18 for operation description
STEERING WHEEL	Tilt-wheel with column mounted gear shift lever
THEFT DETERRENT	Vehicle theft PASS-Key® III+ and content theft (unauthorized entry sounds horn and lamps flash). For content theft alarm disable option UTQ must be ordered (see page 14)
VISORS	Padded with cloth trim, extends on rod; driver and front passenger illuminated vanity mirrors
WARNING TONES	Headlamp on, key-in-ignition, driver and right-front passenger safety belt unfasten and turn signal on
WINDOW OPERATION	Power with driver express-down and lockout features

ELECTRICAL FEATURES

AUXILIARY POWER, FRONT	100-amp ignition and main power supply wiring at lower center of instrument panel (see wiring provisions for 12-volt battery power supply on page 25)
AUXILIARY POWER, REAR	100-amp auxiliary power in cargo area (see page 27)
GROUND STUDS	Two studs located in rear compartment near bottom of liftgate opening (see page 27)
LOCK-OUT PROTECTION	Prevents the power door locks from locking the driver's door if the keys are left in the ignition (manually lockable with engine running)
POWER OUTLETS	Two located on instrument panel and one in rear cargo area
WIRING DIAGRAMS	See pages 25 through 32 for description; also see Tahoe Police Package owner's manual supplement (located in glove box folder with standard owner's manual)
WIRING PROVISION, EXTERIOR LAMPS FLASHING	Forward lamp harness in-line connector for Exterior Lamps Flashing System (see option 6J7 on page 14)

1. Head curtain side air bags are designed to help reduce the risk of head and neck injuries to front and rear seat occupants on the near side of certain side-impact collisions. Always use safety belts and the correct child restraints for your child's age and size, even in vehicles equipped with air bags. Children are safer when properly secured in a rear seat. See your vehicle Owner's Manual and child safety seat instructions for more information.

EXTERIOR FEATURES

ASSIST STEPS	Black, mounted between front and rear wheels
DEFOGGER	Electric, rear window
DOOR HANDLES	Matte Black
DOOR LOCKS	Power, non-programmable with lockout protection, and automatic door locking and unlocking, door lock cylinder no longer available on passenger front door and rear liftgate, child safety locks included in rear doors
FASCIA, FRONT	Color - keyed
FASCIA, REAR	Color - keyed with step pad
FOG LAMPS	Not available
HEADLAMPS	Dual halogen composite with flash-to-pass feature automatic exterior lamp control and daytime running lamps (to delete automatic lamp control, see option 9G8 on pages 14 and 18)
KEYLESS ENTRY	Includes two transmitters with non-functional panic button; stealth mode feature includes exterior lamps and horn disable, during remote start feature running lamps will remain illuminated (additional transmitters are available; see option AMF on page 14)
KEYS	Two-sided random code, for ignition and drivers door only
LUGGAGE RACK	Not available
MIRRORS	Outside heated power-adjustable, manual-folding, Matte Black
REAR LIFTGATE	Liftgate/liftglass with washer and wiper, power liftgate not available and no lock cylinder on liftgate (lock cylinder available though Kerr Industries)
RECOVERY HOOKS	Two front
UNDER HOOD LAMP	Not available
WINDSHIELD WIPERS	Intermittent with washer

CHASSIS FEATURES

ALTERNATOR	160-amp with idle boost (transmission in PARK or NEUTRAL) based on battery energy level
AIR CLEANER	High-capacity
BATTERY	Heavy-duty 730 cca with battery rundown protection (does not protect customer installed equipment)
BRAKES	4-wheel anti-lock front and rear disc with vacuum boost power assist
COOLING	Heavy-duty high capacity radiator, electric fans and extended life coolant; coolant hoses are EPDM (ethylene-propylene-diene monomer) rubber; silicone hoses are not required (coolant is DEX-COOL good for 5 years/150.000 miles, protects from -34° F to +265° F and against rust and corrosion)
ENGINE	Vortec 5300 V8 SFI with active fuel management, FlexFuel[2] (capable of running on unleaded gasoline or E85 ethanol mixtures)
FRAME	Full perimeter modular with hydroformed frame rails
FUEL TANK CAPACITY	26 gallon (98 liters)
OIL COOLERS	Engine and transmission auxiliary air-to-oil and power steering (see page 17 for description)
RADIO SUPPRESSION	Grounding straps at five additional locations (see page 18 for location)
SPARK PLUGS	Extended life - iridium tip
STABILITRAK	Stability enhancement system. It is an advanced computer controlled system that assists the driver with directional control of the vehicle in difficult driving conditions. Each time the vehicle is started, the StabiliTrak system is fully on. StabliliTrak can be controlled by a StabiliTrak button on the instrument panel. The condition of the system is displayed by an instrument panel StabiliTrak indicator light and Driver Information Center (DIC) Messages. Push once, Traction Control is off, push and hold five seconds Traction Control and StabiliTrak is off, push again and Traction Control and StabiliTrak are turned back on
STEERING	Power, rack and pinion
SUSPENSION, FRONT	Coil-over-shock with stabilizer bar
SUSPENSION, REAR	Multi-link with coil springs with stabilizer bar
TIRES	P265/70R17 all-season SBR
TIRE PRESSURE MONITOR	CHECK TIRE PRESSURE (no spare tire sensor)
TIRE, SPARE	Full-size spare, lockable with outside winch-type carrier mounted under frame at rear (TPM sensor not included)
TRAILERING EQUIPMENT	Heavy-duty, includes trailering hitch platform, 7-wire harness with independent fused trailering circuits mated to a 7-way sealed connector, VR4 2-inch trailering receiver and electric brake controller jumper harness
TRANSFER CASE	Electronic autotrac
TRANSMISSION	6-speed automatic with overdrive and tow/haul mode, electronically-controlled transmission provides protection against over-revving the engine in low gear and a mechanical low gear blockout is not required; if a driver manually selects low gear and fails to manually upshift to high gear, the powertrain control module automatically protects the drivetrain
WHEELS	17" x 7.5" argent steel
WHEEL CENTER CAP	Argent, retained to wheel lugnuts

2. E85 is 85% ethanol and 15% gasoline. To see if there is an E85 station near you, go to www.gmaltfuel.com/e85-station-locator.

POWERTRAIN

ENGINE				TRANSMISSION		AXLE	
OPTION CODE	TYPE	DISPLACEMENT LITERS/CU. IN.	FUEL SYSTEM	OPTION CODE	TYPE	OPTION CODE	RATIO
LMG	V8	5.3/325	Active fuel management FlexFuel[2] (gas or E85 ethanol)	MXO/MYC	6-speed auto. with OD	GU6	3.42

EMISSIONS - MUST BE SPECIFIED

FE9	FEDERAL EMISSIONS. Use for ordering vehicles that will be registered in all states except California, Connecticut, Maine, Maryland, Massachusetts, New Jersey, New Mexico, New York, Oregon, Pennsylvania, Rhode Island, Vermont and Washington State
YF5	CALIFORNIA EMISSIONS. Use for ordering vehicles that will be registered in California.
NE1	CT/ME/MD/MA/NJ/NM/NY/OR/PA/RI/VT/WA EMISSIONS. Use for ordering vehicles that will be registered in Connecticut, Maine, Maryland, Massachusetts, New Jersey, New Mexico, New York, Oregon, Pennsylvania, Rhode Island, Vermont or Washington State
NB8	Required when option code FE9 "FEDERAL EMISSIONS" is ordered for delivery to a dealer located in California, Connecticut, Massachusetts, Maryland, New Jersey, New Mexico, New York, Oregon, Pennsylvania, Rhode Island and Washington State for a purchaser who will be registering the vehicle outside California, Connecticut, Maine, Maryland, Massachusetts, New Jersey, New Mexico, New York, Oregon, Pennsylvania, Rhode Island, Vermont and Washington State.
NC7	Required when option code YF5 "CALIFORNIA EMISSIONS" or option code NE1 "CT/ME/MD/MA/NJ/NM/NY/OR/PA/RI/VT/WA EMISSIONS" is ordered for delivery to a dealer located in any state except California, Connecticut, Maine, Maryland, Massachusetts, New Jersey, New Mexico, New York, Oregon, Pennsylvania, Rhode Island, Vermont and Washington for a purchaser who will be registering the vehicle in one of these states or sold as permitted below under "EPA Policy on the Sale of California Emission Vehicles"
NB9	Required when option code YF5 is ordered for delivery to a dealer located in Connecticut, Maine, Maryland, Massachusetts, New Jersey, New Mexico, New York, Oregon, Pennsylvania, Rhode Island, Vermont and Washington. Required when option code NE1 is ordered for delivery to a dealer located in California.

TIRES - SPEED RATED

CODE	QUANTITY	SIZE	SPEED RATING	TYPE
QG1	5	P265/70R17	S	All season BW

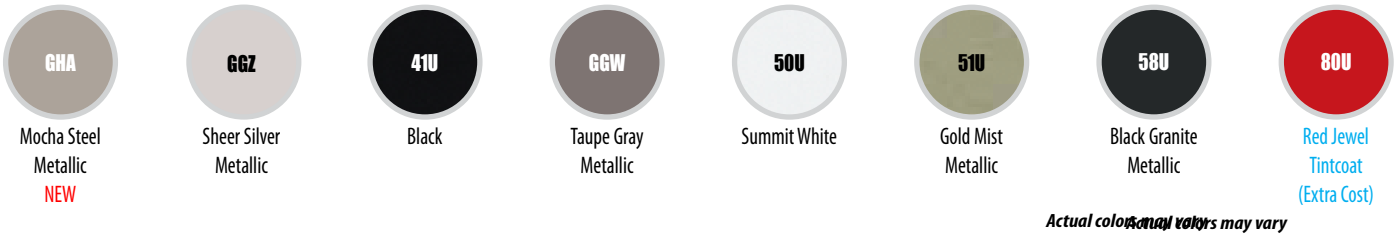
Note: Optional on/off-road tire is available (see page 14)

SEATS AND INTERIOR TRIM

		SEAT OPTIONS	EBONY
STANDARD	Front: cloth 40/20/40 split-bench (power driver side seat only)	AZ3	19C
	Rear: vinyl 60/40 split-bench	5T5	
OPTIONAL	Front: cloth bucket with center console (power driver side seat only)	A95	19C
	Rear: vinyl 60/40 split-bench	5T5	
OPTIONAL	Front: cloth bucket without center console (power driver and passenger seat)	A95 and 9N5	19C
	Rear: vinyl 60/40 split-bench	5T5	

2. E85 is 85% ethanol and 15% gasoline. To see if there is an E85 station near you, go to www.gmaltfuel.com/e85-station-locator.

AVAILABLE EXTERIOR COLORS



SEO PAINT AVAILABLE

WA#	COLOR DESCRIPTION	CODE
253A	Wheatland Yellow	9W3
334D	Dark Toreador Red	
722J	Dark Blue Metallic	9V7
5665	Blue	
7941	Green	
9015	Woodland Green	9V5
9260	Victory Red	5T4
9414	Yellow	

ACTUAL COLOR MAY VARY

Note: ***• All normally body-colored non-sheet metal parts, will be Flat Black (except Victory Red non-sheet metal parts will match)***

• SEO paint orders that contain less than five vehicles will be delayed until five unit minimum is received for batch production

SPECIAL PAINT ALSO AVAILABLE THROUGH KERR INDUSTRIES

- Special paint is also available for PPV and 5W4 Tahoes
- This work is done as part of the Kerr Industries dealer direct program
- A minimum order is not required with this program. Please contact Kerr Industries at 905-725-6561 to discuss your requirements

AVAILABLE OPTIONS WITH TAHOE 5W4 SPECIAL SERVICE PACKAGE

6A6	**BATTERIES, DUAL CRANKING 730 CCA** - Parallel connected
B85	**BODY SIDE MOLDINGS** - On 4 doors
JL1	**BRAKE CONTROLLER** - Integrated trailer
9G3	**CHASSIS PACKAGE OFF-ROAD SUSPENSION** - (Requires QJP tire and includes NZZ skid plates, K47 high capacity air cleaner, no Z71 decal)
9N5	**CONSOLE DELETE** - Between seats (Requires A95)
UTQ	**CONTENT THEFT ALARM DISABLE** - Flashing lamps and horn warning
9G8	**DELETE DAYTIME RUNNING LAMPS AND AUTOMATIC HEADLAMPS**
9V7	**EXTERIOR BODY COLORED PARTS** - Dark Blue Metallic, provides Dark Blue Metallic special paint WA722J and Dark Blue Metallic special painted exterior body parts in lieu of glossy Black color normally installed with special paint. Dark Blue Metallic painted parts will consist of front fascia, rear bumper fascia, rear liftgate handle and liftgate applique above license plate. Door handles, mirrors, rear D-pillar applique and liftgate spoiler will remain Black. B85 body-side moldings are not available. Requires SEO TGK special paint
5T4	**EXTERIOR BODY COLORED PARTS** - Victory Red special painted exterior body parts in lieu of glossy Black color normally installed with special painted bodies, Victory Red painted parts will consist of front fascia, rear bumper fascia, rear liftgate license plate applique and rear liftgate handle, door handlesand body side moldings. Mirrors, rear D-pillar applique and liftgate spoiler will remain Black. Requires SEO TGK special paint and special paint color WA9260 Victory Red. Includes RPO B85 body side moldings
6J7	**FLASHER SYSTEM HEADLAMP AND TAIL LAMP** - DRL compatible, headlamp flasher module with control wire and body control module rear lamp flashing
B30	**FLOOR COVERING** - Color keyed carpeting front and 2nd row (not available with vinyl floor covering)
B58	**FLOOR MATS** - Color keyed carpeting
K05	**HEATER** - Engine block
5W4	**IDENTIFIER** - Special Service Package
6E2	**KEY COMMON** - Complete vehicle fleet, provides a single key with a specific code that is common to the door lock and ignition of all the vehicles in the vehicle fleet; key code is an alternate to SEO 6E8 key common, complete vehicle fleet; not compatible with 2005 and earlier Impalas, 2006 and earlier Tahoes and 2011 Caprice
6E8	**KEY COMMON** - Complete vehicle fleet, provides a single key with a specific code that is common to the door lock and ignition of all the vehicles in the vehicle fleet; key code is an alternate to SEO 6E2 key common, complete vehicle fleet; not compatible with 2005 and earlier Impalas and 2006 and earlier Tahoes and 2011 Caprice
AMF	**KEYLESS ENTRY TRANSMITTERS - Fleet Package includes 6 additional transmitters. Transmitters are not programmed. Each transmitter, including the two standard with the vehilce, must be programmed together by a dealer at customer expense. Transmitter programming is not a warranty item. Note: Vehicle specific, common fleet transmitter frequency not available**
G80	**LOCKING DIFFERENTIAL**
6N6	**LOCKS** - Rear door inoperative (Rear power locks are inoperable at rear doors but operate form drivers position)
TRW	**PROVISION FOR ROOF MOUNTED LAMP** - Overhead console mounted switch and wiring to the roof; upfitter to install and connect a roof mounted warning lamp; instructions provided in owner's manual supplement
6B2	**REAR DOOR HANDLES INOPERATIVE** - Rear door locks inoperative (doors can be opened only from outside)
6N5	**REAR WINDOW SWITCHES INOPERATIVE** - Rear window only operates from driver's position
AP3	**REMOTE VEHICLE STARTER SYSTEM** - Includes remote keyless entry
AZ3	**SEATS** - Front custom cloth 40/20/40 split-bench, power driver seat only (see page 12)
A95	**SEATS** - Front bucket with custom cloth, 6-way power with center console, to delete center floor console 9N5 must be ordered (see page 12)
5T5	**SEATS** - Front cloth with vinyl rear seat (see page 12)
NZZ	**SKID PLATES PACKAGE**
TGK	**SPECIAL PAINT SOLID** - One color all normally body-colored non-sheet metal parts will be gloss Black. This includes front and rear facias, liftgate handle and applique, D-pillars and upper liftgate applique. Mirrors and door handles will be grained Black parts. B85 body-side moldings are not available except with SEO option 5T4 exterior body-colored parts. May require extended lead time. Required with any SEO paint selection. May require extended lead time
7X6	**SPOTLAMP** - Left hand, separately fused
7X7	**SPOTLAMP** - Left and right hand, separately fused
9G3	**SUSPENSION PACKAGE** - Off-road
4JP	**TIRE SPARE** - P265-70R17 on/off-road, blackwall (requires QJP tires)
QJP	**TIRES** - P265-70R17 on/off-road (for full-size spare tire 4JP must be ordered)
P46	**WHEELS** - Aluminum
WX7	**WIRING** - For customer connection to front door speakers. Front speakers are not connected to the radio; radio audio is sent to the rear speakers
6J3	**WIRING** - For grille lamps and speaker
6J4	**WIRING** - For horn/siren circuit, in-line connection for customer furnished switch

For standard and optional illustrations see pages 17 though 19 in PPV section

Note: • Tahoe Turn-Key packages available only through your Chevrolet dealer

• Direct purchase equipment is available through dealer direct order and purchase from Kerr Industries 905-725-6561

• Warranty claims for direct purchase equipment must be directed through Kerr Industries

GENERAL

Model	CK10706
Drive	4-wheel

EXTERIOR (in./mm)

Wheelbase	116.0/2946
Overall length	202.0/5131
Overall width	79.0/2007
Overall height	76.9/1953
Front track width	68.2/1732
Rear track width	67.0/1701
Turning diameter curb to curb (ft./m)	39.0/11.9
Ground clearance, front	10.5/267
Ground clearance, rear	9.1/231

FRONT COMPARTMENT (in./mm)

Head room	41.1/1044
Shoulder room	65.3/1659
Hip room	64.4/1636
Leg room (maximum)	41.3/1049

REAR COMPARTMENT (in./mm)

Head room	39.2/996
Shoulder room	65.2/1656
Hip room	60.6/1539
Leg room (minimum)	39.0/991

CARGO

Cargo volume[3] (cu. ft./liters)	108.9/3084
Load floor length to center front seat at floor (in./mm)	81.4/2068
Load floor length to center 2nd seat at floor (in./mm)	49.4/1255
Inside width between wheel house (in./mm)	49.1/1247
Cargo area height (in./mm)	41.7/1059

Note: For additional dimensional data go to: gmupfitter.com

FUEL ECONOMY RATINGS CITY/HIGHWAY/COMBINED

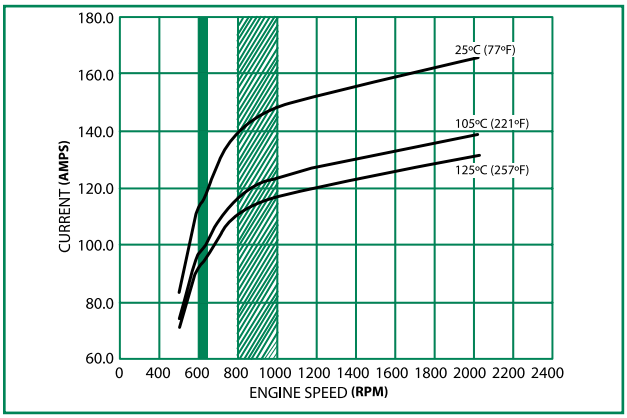
5.3L engine 4WD[4]	15/21/17

Projected EPA label values, actual mileage will vary with options, driving conditions, driving habits and vehicles condition.

ALTERNATOR

Type		REMY DR44M
Amps	77°F (25°C)	160

TAHOE POLICE ALTERNATOR OUTPUT



NORMAL IDLE SPEED: 600-650 RPMS

COMPUTER CONTROLLED IDLE SPEED RANGE (PARK): 800-1000 RPM

ENGINE

Type	Vortec V8
Displacement: liters/cu. in.	5.3/325
Horsepower/rpm	320 @ 5400
Torque lb.-ft./rpm	335 @ 4000
Induction system	SFI
Compression ratio	9.9:1
Exhaust	Single
Minimum recommended fuel octane	87
Fuel tank capacity (gallons/liters)	26/98
Oil with filter (quarts/liters)	**6.0/5.7**
Cooling capacity (quarts/liters)	**18.3/17.3**

TRANSMISSION

Automatic electronic with overdrive	6-speed
Fluid pan removed and filter replaced (quarts/liters)	**6.0/5.7**

AXLE

Ratio 4-wheel drive	3.42

BRAKES

ABS with vacuum boost	Disc/Disc
Front - swept area (sq. in./sq. cm)	256.6/1655
Rear - swept area (sq. in./sq. cm)	248/1600
Total front and rear swept area (sq. in./sq. cm)	504.6/3255
Front rotor diameter (in./mm)	13.0/330
Rear rotor diameter (in./mm)	13.5/343
Front rotor thickness (in./mm)	1.2/30
Rear rotor thickness (in./mm)	.79/20

TIRES

Type	All-season
Size	P265/70R17

WHEELS

Type	Steel
Size	17" x 7.5"

CHASSIS

Frame	Full perimeter steel
Front suspension	Independent, single coil-over-shock with stabilizer bar
Rear suspension	Multi-link with coil spring
Steering type	Power rack and pinion

BATTERY

Type	Maintenance free
BCI group size	LN3
Volts	12
Amp hour rating	70
Cold cranking amps @ 0°F (-18°C)	730
Reserve capacity @ 80°F (27°C)	110

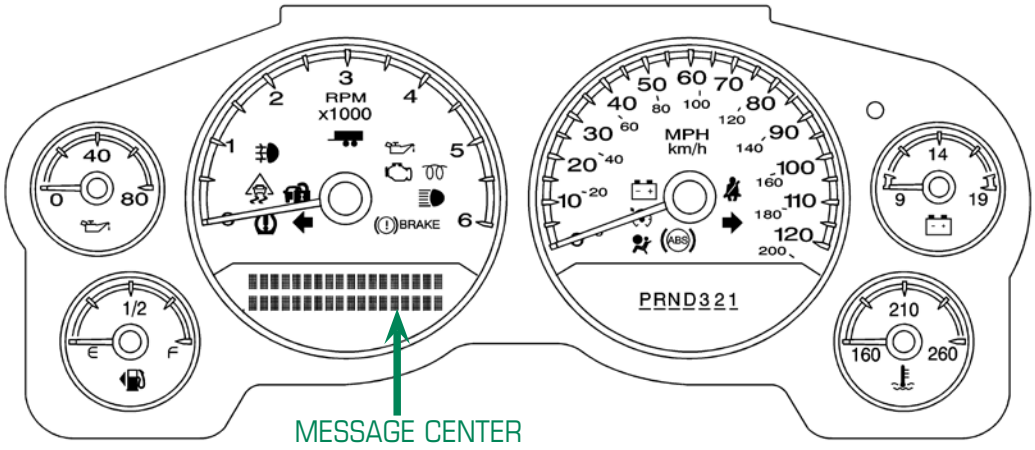
VEHICLE WEIGHT (lbs./kg.)

GVWR[5] 4-wheel drive	7300/3311
Curb	5627/2552
Payload[6] with 40/20/40 split-bench seat	1673/759
GCWR (gross combination weight ratings)	14000/6350
Maximum trailer weight[7]	8200/3720

Note: See owner's manual supplement for loading information

3. Cargo and load capacity limited by weight and distribution.
4. EPA-estimated MPG.
5. Gross Vehicle Weight Rating (GVWR). When properly equipped, includes vehicle, passengers, cargo and equipment.
6. Maximum payload capacity includes weight of driver, passengers, optional equipment and cargo.
7. Maximum trailer weight ratings are calculated assuming a base vehicle, except for any option(s) necessary to achieve the rating, plus driver. The weight of other optional equipment, passengers and cargo will reduce the maximum trailer weight your vehicle can tow.

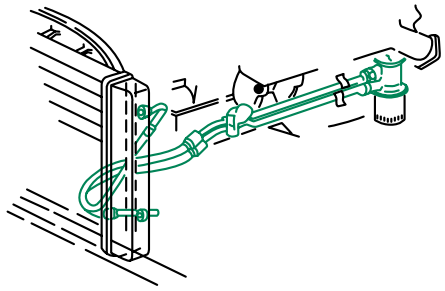
UNITED STATES SPEEDOMETER/CLUSTER (CANADIAN SIMILAR)



CHANGE ENGINE OIL SOON	SERVICE AIR BAG
CHECK TIRE PRESSURE (PRESS RESET) LF/RF/LR/RR	SERVICE BATTERY CHARGING SYSTEM
DRIVER DOOR OPEN	ENGINE HOURS
ENGINE HOT A/C TURNED OFF	SERVICE BRAKE SYSTEM
ENGINE OIL LOW ADD OIL	SERVICE BRAKES SOON
ENGINE OVERHEATED IDLE ENGINE	SERVICE THEFT DETERRENT SYSTEM
ENGINE OVERHEATED STOP ENGINE	SERVICE TIRE MONITOR SYSTEM
ENGINE POWER IS REDUCED	SERVICE TRACTION CONTROL
FUEL LEVEL LOW	SERVICE STABILITRAK
HOOD OPEN	STABILITRAK OFF
LEFT REAR DOOR OPEN	SERVICE 4-WHEEL DRIVE
OIL PRESSURE LOW STOP ENGINE	TIGHTEN GAS CAP
PASSENGER DOOR OPEN	TIRE LEARNING ACTIVE
REAR ACCESS OPEN	TRACTION CONTROL OFF
REMOTE KEY LEARNING ACTIVE	TRANSMISSION HOT IDLE ENGINE
REPLACE BATTERY IN REMOTE KEY	TURN SIGNAL ON
RIGHT REAR DOOR OPEN	WASHER FLUID LOW ADD FLUID

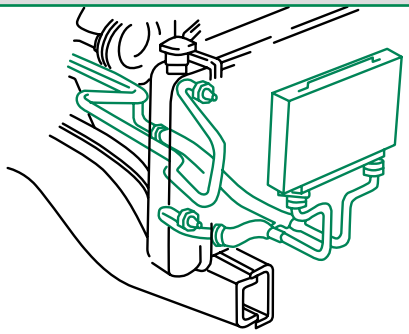
Note: The Tahoe Police Package and Special Service Package are not equipped with DIC buttons. The instrument cluster odometer trip stem is used to display the following messages: odometer, engine hours, trip odometer, tire pressure, remote keyless entry, programming and DIC language. See the Tahoe owner's manual for operation description.

ENGINE OIL COOLER



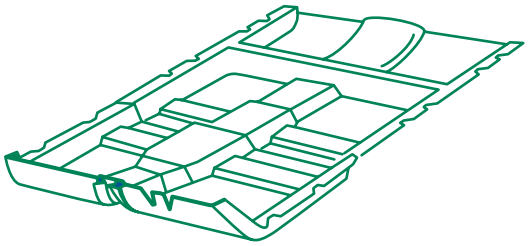
Engine oil cooler located in the left hand radiator tank. Cooler consists of an inlet and an outlet pipe attached to the engine oil filter adapter which transmits the oil to the cooler and then back to the engine. The cooler itself consists of numerous flat plates through which the hot oil flows, transmitting heat to the coolant and cooling the oil.

TRANSMISSION OIL COOLER



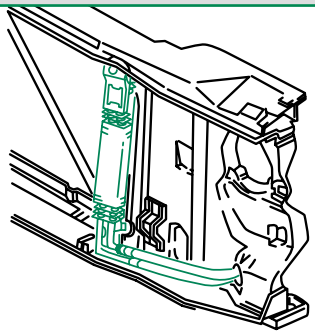
External air-to-oil cooler is mounted in front of coolant radiator and A/C condenser at the center and is connected in series with the integral transmission oil cooler in the right end tank of the coolant radiator.

COVERING - FLOOR



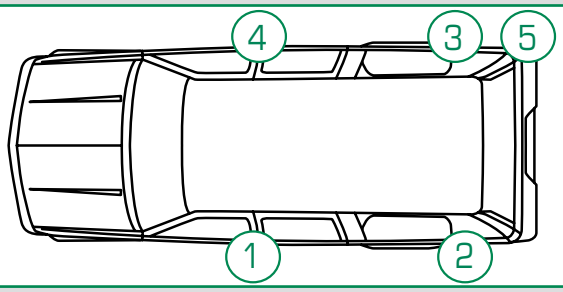
Black heavy-duty one piece. Replaces production carpeting.

POWER STEERING COOLER



Vertical finned cooler is mounted in front of the radiator at the left side of the radiator and connected in-line between the power steering pump and steering gear.

RADIO SUPPRESSION GROUND STRAPS

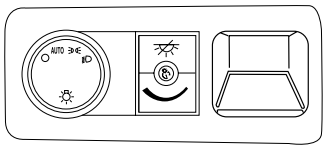


Police Package is equipped with additional grounding in the following locations:

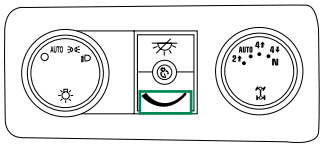
1. Left hand front frame body mount bracket to underbody
2. Left hand rear frame body mount bracket to rear underbody
3. Right hand rear frame body mount bracket to rear underbody
4. Right hand center frame body mount bracket to center underbody
5. Exhaust pipe hanger rod to rear frame hanger

INTERIOR/EXTERIOR LAMPS CONTROL

(PPV ONLY)



(5W4 ONLY)



9G8 - Delete Daytime Running Lamps and Automatic Headlamps. This option disables the Daytime Running Lamps and Automatic Headlamps control feature. Exterior lamps are manually controlled only. Option 9G8 not available in Canada.

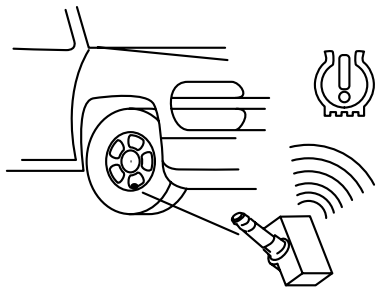
Courtesy lamps, including dome lamps, can be turned off with a push button switch which is above the interior lamp intensity control knob. When the switch is activated, courtesy lamps remain off when any vehicle door is open. If a door is open when the switch is activated, the lamps will go off.

The instrument cluster and radio lighting dimmer control will override the push button switch to turn on the courtesy lamps.

The headlamp control on the driver's side of the instrument panel operates the headlamps. If your Tahoe does not have option 9G8, Delete Daytime Running Lamps and Automatic Headlamps, the Daytime Running Lamps and Automatic Headlamps can be turned off for one ignition cycle by rotating the control knob momentarily counter-clockwise. See also section 3 of your Tahoe owner's manual.

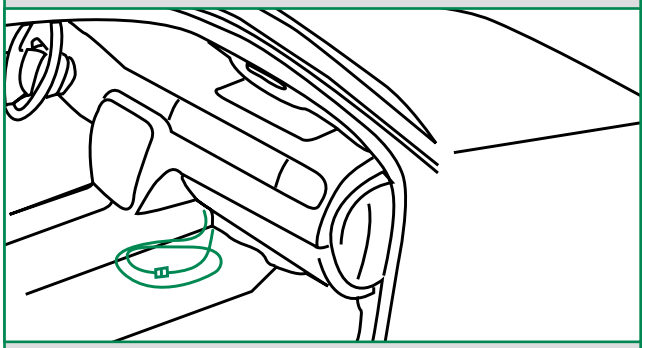
In Canada, the Daytime Running Lamps and Automatic Headlamps can be turned off if the transmission is in Park. See also your Tahoe owner's manual.

TIRE PRESSURE MONITOR



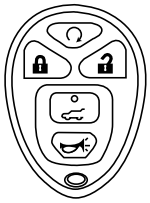
Your vehicle is equipped with a Tire Pressure Monitor (TPM) System which warns of low tire pressure. The TPM System on your Tahoe Police Package has a spare tire sensor but is not programmed to read the spare tire pressure. When the spare tire from your vehicle or an unused spare tire from another Police Package is placed in use as a road wheel, the system will not read the presence of the new TPM sensor and must be calibrated. Refer to your owner's manual for additional information on the Tire Pressure Monitor and Sensor Programming. The Special Service Package 5W4 does not have sensor in spare tire.

WX7 WIRING – FRONT SPEAKERS



Approximately 60 inches of auxiliary speaker wire is run from the door-mounted speakers and coiled under the center of the instrument panel for customer connection to front speakers.

AMF - PACKAGE OF 6 TRANSMITTERS

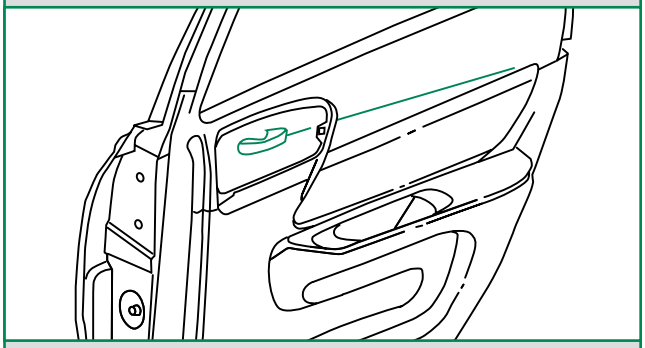


WITH REMOTE START AND LIFTGLASS (WITHOUT REMOTE SIMILAR)

WITH REMOTE START AND POWER LIFTGATE AND LIFTGLASS (WITHOUT REMOTE START SIMILAR)

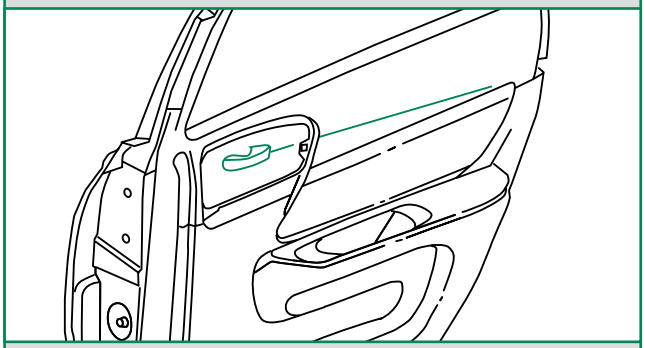
Transmitters are not programed. Transmitters, including the two standard with vehicle, must be programed together using a service scan tool. See you dealer.

6N6 LOCKS – REAR DOOR INOPERATIVE



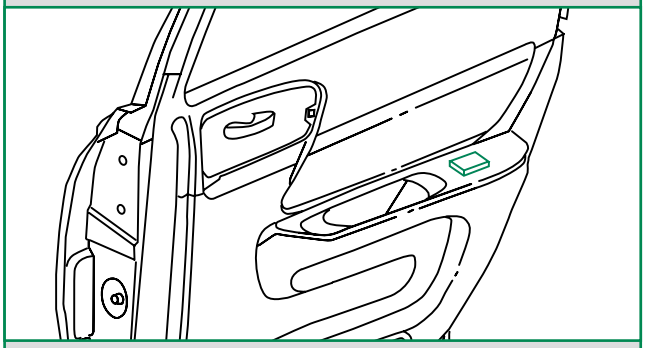
Rear door locking rods are disabled. Rear door locks are inoperable at rear doors, but operate from driver position.

6B2 HANDLES – REAR DOOR INOPERATIVE



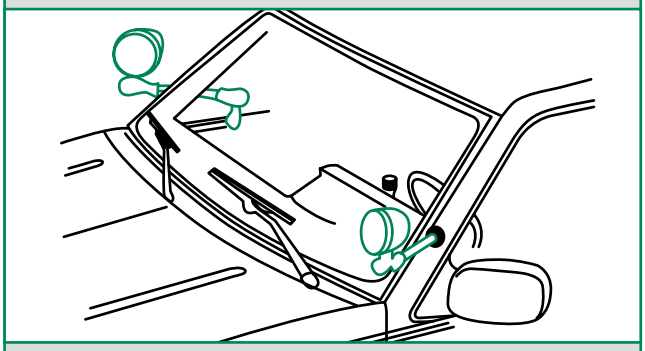
Inside rear door handles are disconnected. Rear doors can only be opened from the outside.

6N5 SWITCHES – REAR WINDOW INOPERATIVE



Rear door window switches are inoperable. Rear door power regulators are operable only from driver position switches.

7X6 AND 7X7 – SPOTLAMPS



7X6 Spotlamp left hand, pillar-mounted unity, 6-inch with replaceable H3 halogen bulb; independently fused

7X7 Spotlamps left and right hand, pillar-mounted unity, 6-inch with replaceable H3 halogen bulb; independently fused

Note: Customer furnished spotlamp assembly should be installed to avoid contact with a deploying air bag

Can specialty vehicle equipment (e.g. radar devices, video cameras, computers, meters, radio trees, shotguns, etc.) still be mounted in cars with passenger side air bags?

Yes, but care must be taken to mount the equipment outside of the deployment zone. Air bags inflate with great force and will interact with any object in the deployment zone. Therefore, to reduce the risk of injury to vehicle occupants, GM recommends that the air deployment zone be kept free of any equipment. If a piece of equipment were to become dislodged it could strike an occupant in the vehicle and result in injury. The likelihood of an object becoming dislodged is influenced by many factors, including the proximity of the object to the inflatable restraint, the size and shape of the object, and the means by which the object is secured to the vehicle. In addition to these factors, the trajectory and velocity of a dislodged object can be influenced by the type and severity of vehicle crash.

Objects that are in the deployment zone, but do not become dislodged by an inflating air bag can still affect the performance of the air bag. For example, such objects could tear the fabric or affect the shape of the air bag, thus reducing the ability of the bag to provide restraint.

Is it possible to shield equipment that is installed in the passenger side frontal air bag deployment zone in a manner that will allow full and safe air bag deployment?

Due to the complexity of influencing variables, GM is unable to evaluate the potential for shielding expected equipment configurations in all accident scenarios in order to assure that the air bag performance would be unaffected. While shielding may protect certain equipment from being damaged or dislodged, it may also negatively affect the inflation characteristics of the air bag. The air bag's shape, inflation angle, fold pattern, and inflation rate and pressure are developed to maximize the protection capability of the inflatable restraint system. Therefore, GM cannot recommend the placement of any equipment in the deployment zone, even if it is shielded to protect it from damage.

Front air bag systems and instrument panel mounted equipment.

Passenger air bags in GM vehicles deploy in different ways depending upon the type of vehicle and the particular instrument panel design.

In some vehicles, the passenger air bag deploys through a discrete door located on the top surface of the instrument panel (top-mount air bag systems). In other vehicles, such as the Chevrolet Tahoe, the passenger air bag deploys through a discrete door mounted on the vertical rearward surface of the instrument panel, above the glove box door (mid-mount air bag system). With these types of top-mount and mid-mount passenger air bag systems, the top pad of the instrument panel remains in place during deployment.

Some GM passenger air bag systems, like the system in the Chevrolet Impala, deploy from beneath the instrument panel top pad. These are considered 3/4-mount air bag systems with a "deployable top pad." The entire instrument panel top pad is the "deployment door" from under which the inflating air bag emerges. When an air bag deployment is commanded, the forces from the inflating passenger air bag push up on the instrument panel top pad, releasing special fasteners across the rearward edge of the top pad. This allows the top pad to rotate upward so that the passenger air bag may emerge. The top pad rotates upward to open widest at the right hand side, and is usually forced upward into contact with the windshield on the right hand side of the vehicle during a deployment.

Instrument panel top mounted special equipment, such as a radar antenna and control unit or video camera must be positioned to the left of the vehicle center line. This equipment must be mounted as low as possible and securely fastened to the top pad to avoid being dislodged in the event of a crash and possible air bag deployment. In the process of securely fastening special equipment to the top, DO NOT fasten down the top pad itself to any other vehicle component such as the cluster trim plate. As described above, the top pad rotates upward during a deployment. In order to enable the proper deployment of the passenger air bag, specialty equipment installation MUST NOT PREVENT the top pad from rotating upward during deployment. Location and attachment of special equipment should minimize added resistance or interference to upward rotation of the top pad during deployment.

Optional side air bags for crashes to the vehicle sides.

The air bag system in your police vehicle may include optional side air bags for front and rear occupants. Most front-to-rear side air bags are designed to deploy downward from the interior roof sides to the bottom of the door windows.

Can Specialty Vehicle Security Barriers be mounted within the side air bag deployment zones?

No. The side air bags inflate extremely fast because of the nature of side crashes to the vehicle. Mounting a security barrier behind the front seats with the ends placed within the side air bag deployment zones will result in unintended interaction between the barrier and the inflating side air bags. To reduce the risk of injury to the vehicle occupants, GM recommends that the side air bag zones be kept free of any customer installed equipment.

Customer furnished equipment installed to the vehicle roof.

Your police vehicle is designed with an interior roof cover system which includes internal components for the interior lamps and wiring. The roof system may also include optional side air bag components. Inflation devices may be mounted on the vehicle roof side behind the rear doors as well as air bag tethers retained to the windshield pillars. Care must be taken to avoid damage to these components or interference with their operation when installing roof mounted equipment such as emergency lamps and communication antennas.

Recommended GM service procedures must be followed to remove and re-install the instrument panel top pad to ensure that the top pad will release properly in the event of a passenger air bag deployment.

On the right half of the top pad closest to the passenger air bag module, GM recommends that no equipment be mounted. When mounting equipment on the driver side of the top pad, GM recommends that the total mass of the top pad mounted special equipment not exceed 8 pounds (3.6 kilograms), since the top pad tends to rotate about the left end.

Fasteners used to secure special equipment to the instrument panel top pad, the windshield glass, or to the windshield upper frame (header), should be selected to ensure that these devices will remain attached during a vehicle crash and possible air bag deployment.

Head curtain side air bags are designed to help reduce the risk of head and neck injuries to front and rear seat occupants on the near side of certain side-impact collisions. Always use safety belts and the correct child restraints for your child's age and size, even in vehicles equipped with air bags. Children are safer when properly secured in a rear seat. See your vehicle Owner's Manual and child safety seat instructions for more information.

Can the installation of push bumpers on the front end of the vehicle affect the deployment of the air bag?

General Motors is not aware of adverse effects during crash events from the many push bumpers that have been installed on GM police vehicles. Because there are many styles of push bumpers available with varying crash characteristics, installation of push bumpers may or may not affect deployment timing of the air bags. Push bumpers should be mounted to avoid modifying the vehicle structure and interfering with the front air bag sensors mounted on the upper radiator support cross member.

Two front impact sensors are installed in General Motors vehicles. Do not relocate or disconnect the front sensors. The location and orientation of the front sensors are critical for correct operation of the air bag system. Avoid mounting components on or near the sensors. Push bumper styles with vertical pushing members that are in fore-aft alignment with the front air bag sensors are not recommended.

How long will the air bag remain inflated?

It takes approximately 1/20th of a second to fully inflate the frontal air bags. This is faster than the blink of an eye. The air bags begin to deflate immediately, helping to stop the occupants more gradually.

Can the air bag system be re-used?

No. The air bags are designed to inflate only once. After inflation some new parts will be required. These will include the air bag module and possibly other parts. (A competent service technician with access to the vehicle's service manual and the required tools should replace the required components after a deployment crash.)

I've heard that the dusts that are released into the passenger compartment from the air bag are harmful. Is this true?

For most people, the only effect the dusts will produce is some irritation of the throat and eyes, and that is only if the occupant remains in the vehicle for many minutes after the air bag deployment with no ventilation and windows closed. However, some people with asthma may develop an asthmatic attack from inhaling the dusts. If this happens, they should first treat themselves the same way their doctor has advised them to treat any other asthma attack, and then immediately seek medical treatment.

When should an air bag inflate?

The driver's and right-front passenger's frontal air bags are designed to inflate in moderate to severe frontal or near-frontal crashes. But they are designed to inflate only if the impact speed is above the system's designed "threshold level."

In addition, if your vehicle has "dual stage" frontal air bags, these air bags tailor the amount of restraint according to crash severity. For moderate frontal impacts, the air bags inflate at a level less than full deployment. For more severe frontal impacts, "dual stage" frontal air bags deploy at full levels.

If the front of your vehicle goes straight into a wall that doesn't move or deform, the threshold level of the reduced deployment is about 12 to 16 mph (19 to 15 km/h), and the threshold level for a full deployment is about 18 to 24 mph (29 to 28.5 km/h). The threshold level can vary, however, with specific vehicle design, so that it can be somewhat above or below this range.

If your vehicle strikes something that will move or deform such as a parked car, the threshold level will be higher. The driver's and right-front passenger's frontal air bags are not designed to inflate in rollover, side impacts, or rear impacts, because inflation would not help the occupant.

Seat mounted side impact air bags are designed to inflate in moderate to severe side crashes. The side impact air bags will inflate if the crash severity is above the designed "threshold level." The threshold level can vary with specific vehicles design. The side impact air bags are not designed to inflate on frontal or near-frontal impacts or rear impacts, because inflation would not help the occupant.

Roof rail mounted head-curtain airbags are designed to inflate in moderate to severe side crashes. In addition, certain vehicles have head-curtain air bags which are also designed to inflate in situations where an impending rollover condition is identified by the vehicle's rollover sensing system and/or frontal or near-frontal impacts if the crash severity is above the designed "threshold level".

Safety belt pretensioners at the driver and front passenger seat positions are designed to deploy in frontal, near-frontal, side, and rear crashes that exceed the "threshold level" of crash severity to help reduce slack in the safety belt. Safety belt pretensioners will also deploy in impending rollover situations.

I've heard that a deployed air bag produces what appears to be smoke. Is the air bag hot?

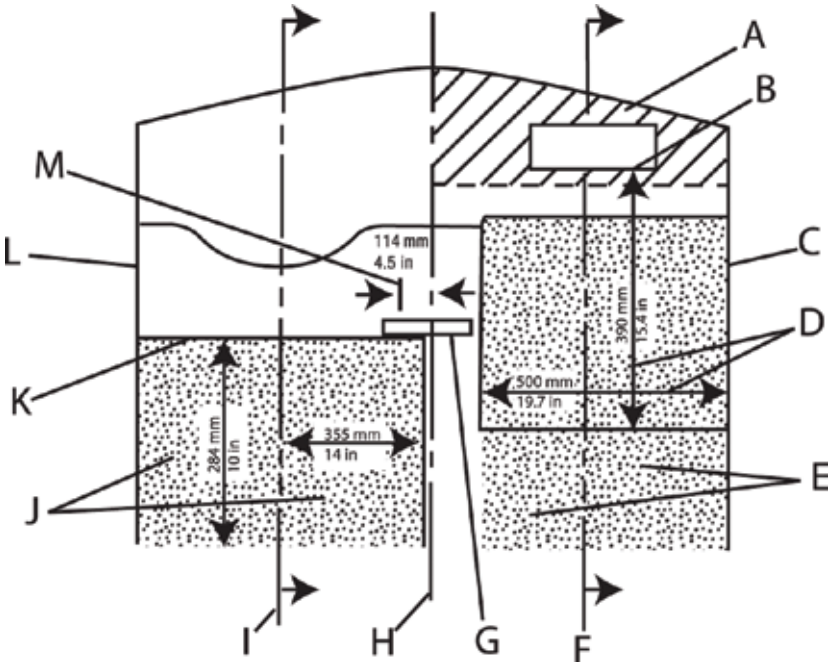
After the bag has deployed in a crash, the air bag itself will not be hot to touch. Some components within the air bag module will be hot for a short time. A small amount of smoke coming from a deployed air bag module is normal and should not be cause for concern.

Also, when the nitrogen gas is vented out of the air bag, small particles from inside the bag are also vented into passenger compartment. These airborne particles look like smoke and some particles are deposited as residue on and around the air bag.

If my vehicle has air bags, why should I have to wear my safety belt?

Air bags are in many vehicles today and will be in most of them in the future. But they are supplemental systems only; so they work with safety belts - not instead of them. Every air bag system ever offered for sale has required the use of safety belts. Even if you're in a vehicle that has air bags, you still have to buckle up to get the most protection. That's true not only in frontal collisions but especially in side and other collisions.

Head curtain side air bags are designed to help reduce the risk of head and neck injuries to front and rear seat occupants on the near side of certain side-impact collisions. Always use safety belts and the correct child restraints for your child's age and size, even in vehicles equipped with air bags. Children are safer when properly secured in a rear seat. See your vehicle Owner's Manual and child safety seat instructions for more information.

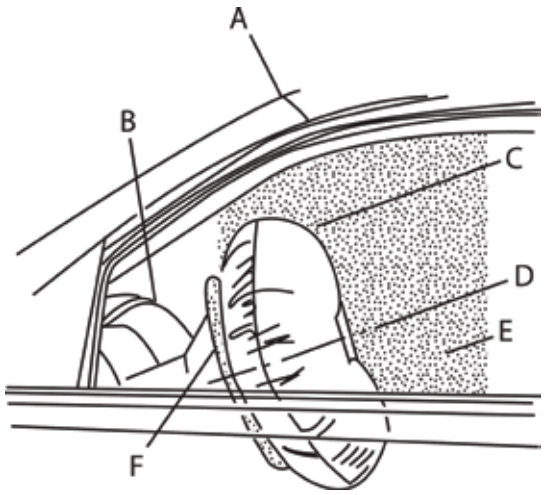


TOP VIEW OF INSTRUMENT PANEL AND APPROXIMATE DEPLOYMENT AREA OF THE AIR BAG ZONE

A. Passenger side instrument panel top surface zone
B. Passenger side air bag module trim panel – rear edge
C. Passenger side door
D. Approximate dimensions of inflated air bag
E. Passenger side air bag deployment zone
F. Passenger centerline
G. Inside rearview mirror
H. Vehicle centerline
I. Driver centerline
J. Driver side air bag deployment zone
K. Front of steering wheel
L. Driver side door
M. Shift selector arc

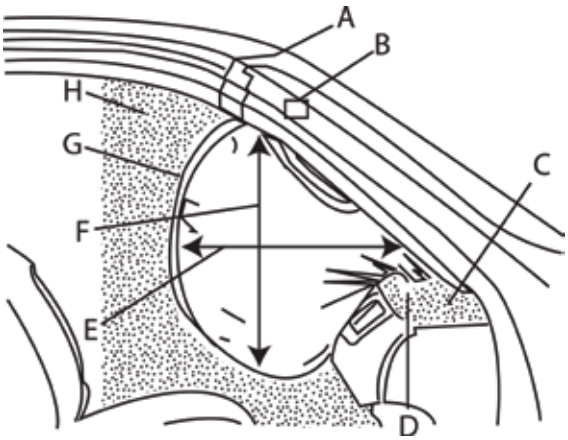
Head curtain side air bags are designed to help reduce the risk of head and neck injuries to front and rear seat occupants on the near side of certain side-impact collisions. Always use safety belts and the correct child restraints for your child's age and size, even in vehicles equipped with air bags. Children are safer when properly secured in a rear seat. See your vehicle Owner's Manual and child safety seat instructions for more information.

Note: All dimensions are approximate and subject to change.



SIDE VIEW OF DRIVER SIDE
AIR BAG DEPLOYMENT ZONE

A. Top edge of windshield
B. Top of instrument panel
C. Inflated air bag – steering wheel
D. Centerline of steering column at mid-tilt
E. Driver air bag deployment zone
F. Front of steering wheel



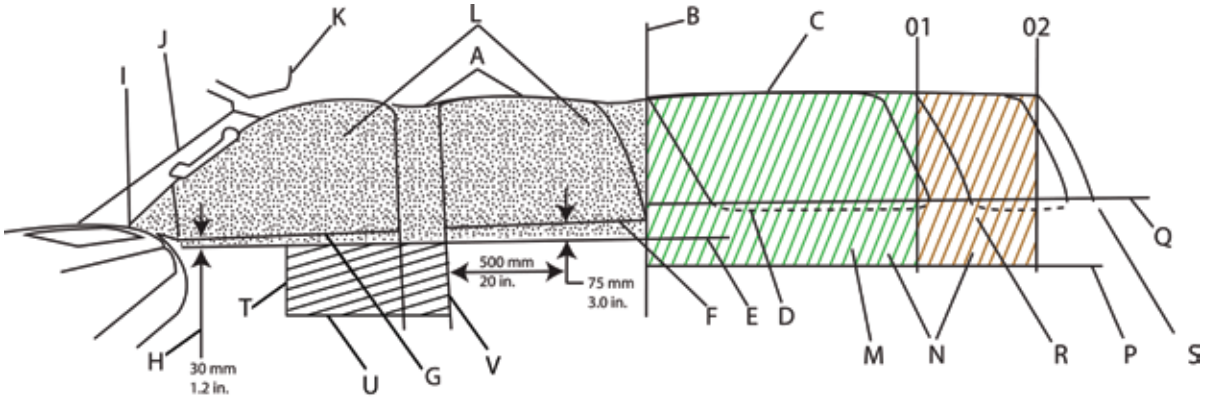
SIDE VIEW OF PASSENGER SIDE AIR BAG
DEPLOYMENT ZONE

A. Top edge of windshield
B. Inside rearview mirror
C. Instrument panel top surface zone
D. Passenger side air bag module trim panel – rear edge
E. Inflated air bag – horizontal dimension approximate 15.4 in (390 mm)
F. Inflated air bag – vertical dimension approximate 9.3 in (490 mm)
G. Inflated air bag – instrument panel
H. Passenger air bag deployment zone

Head curtain side air bags are designed to help reduce the risk of head and neck injuries to front and rear seat occupants on the near side of certain side-impact collisions. Always use safety belts and the correct child restraints for your child's age and size, even in vehicles equipped with air bags. Children are safer when properly secured in a rear seat. See your vehicle Owner's Manual and child safety seat instructions for more information.

Note: All dimensions are approximate and subject to change.

HEAD CURTAIN AND FRONT SEAT-MOUNTED SIDE IMPACT AIR BAG DEPLOYMENT ZONES
PASSENGER SIDE SHOWN, DRIVER SIDE SIMILAR



Tahoe/Suburban/Silverado Crew Cab Seat Rows 1 and 2

A. Top of deployment zone – along head curtain at edge of headliner
B. Back of deployment zone – at rear top corner of rear door pad
C. Rear quarter window
D. Bottom outside edge of rear quarter window
E. Bottom of air bag deployment zone – parallel to outside bottom edge of rear quarter glass
F. Top edge of rear door pad
G. Top edge of front door pad
H. Dimension at mirror patch from top edge of front door pad
I. Front of deployment zone at front upper corner of front door pad
J. Windshield pillar trim with grab handle
K. Visor
L. Deployment zone - Tahoe seat rows 1 and 2

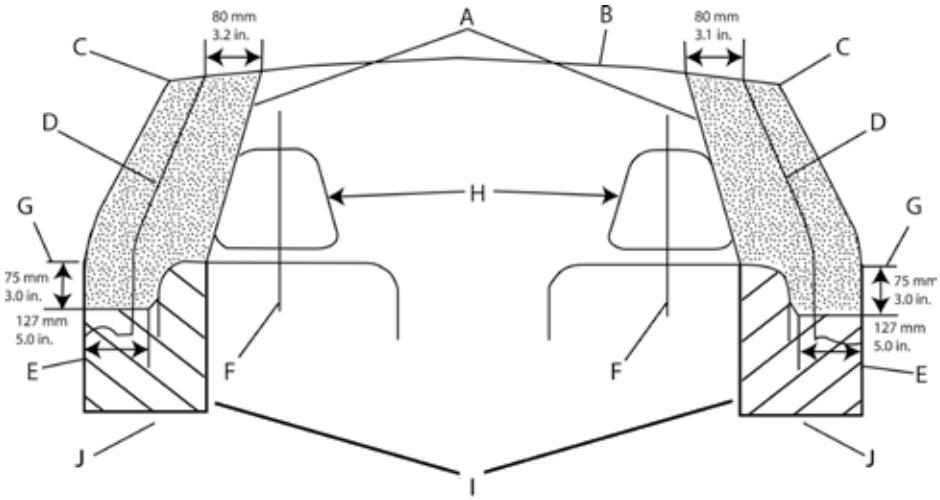
Tahoe/Suburban 3rd Row Seats

M. Deployment zone - Tahoe 3rd seat
N. Deployment zone - Suburban 3rd seat
O. Rear zones at back corner of headliner: 1 Tahoe, 2 Suburban
P. Bottom of 3rd seat zone at rear side trim cup holders
Q. Top edge of rear quarter trim at window
R. Rear of Tahoe
S. Rear of Suburban

Tahoe/Suburban/Silverado Crew Cab Seat Air bag

T. Center of door trim pull handle
U. Top of surface of outboard front seat cushion
V. Back edge of center pillar trim

HEAD CURTAIN AND FRONT SEAT-MOUNTED SIDE IMPACT AIR BAG DEPLOYMENT ZONES
VIEW FROM REAR CARGO AREA

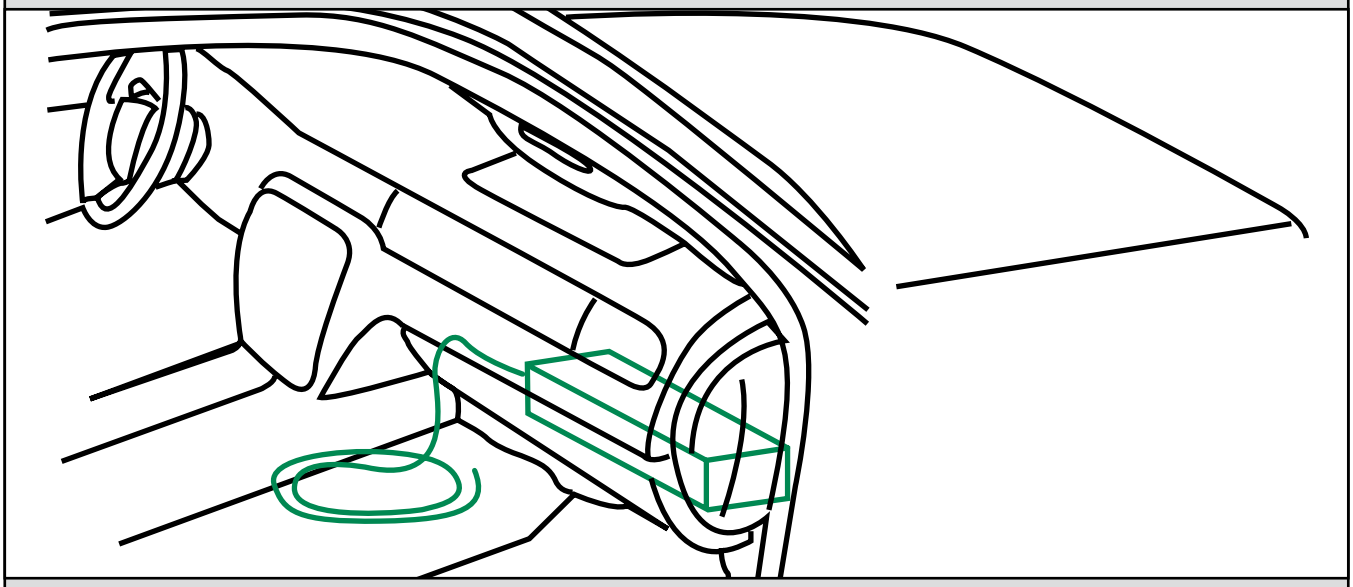


A. Head curtain air bag deployment zone
B. Underside of headliner
C. Edge of headliner
D. Inner center pillar trim
E. Inner door pad
F. Seat centerline
G. Bottom of door windows
H. Front seat headrests
I. Seat-mounted side impact air bags deployment zone front seat
J. Top surface of outboard front seat cushion

Head curtain side air bags are designed to help reduce the risk of head and neck injuries to front and rear seat occupants on the near side of certain side-impact collisions. Always use safety belts and the correct child restraints for your child's age and size, even in vehicles equipped with air bags. Children are safer when properly secured in a rear seat. See your vehicle Owner's Manual and child safety seat instructions for more information.

Note: All dimensions are approximate and subject to change.

WIRING PROVISIONS FOR 12-VOLT BATTERY POWER SUPPLY



Your vehicle is equipped with wiring provisions for a 12-volt battery power supply. Refer to the following information when adding electrical system. The wiring harness is located below the instrument panel near the center of the vehicle. The following information describes the breaker and relay location and provides a wiring diagram to aid in connecting customer equipment.

The 12-volt battery power is supplied through two underhood mega fuses, one 125-amp and one 60-amp. This underhood power is fed to the breaker/relay center via a harness that passes through the driver side front of the dash, and routed across the instrument pane to a position forward of the glove box. The breaker/relay center is mounted to the instrument panel structure forward of the glove box. The center includes a plastic bracket, two relays, two 30-amp breakers and three 50-amp mega circuit breakers.

Two 30-amp breakers supply power from the underhood 60-amp mega fuse through the contacts of the control relays to a 12-gauge (3.0 mm2) blunt cut wires. These two blunt cut leads are part of wire coiled under the instrument panel near the center of the vehicle.

Each relay is operated by a 0.5 mm^2 blunt cut, light or dark blue control lead includes in a 3-foot (91 cm) loop of wire under the instrument panel.

Three 50-amp mega circuit breakers, protected by three fusible links, supply power directly from the underhood 125-amp mega fuse through three, 10-gauge (5.0 mm^2) wires. Two of the wires are routed through the body harness to a split buss junction block to the left rear of the cargo area and secured near the jack and tools. This 3-foot (91 cm) of coiled wires can be accessed by removing the cup holder on the top of the trim panel. The third 10-gauge (5.0 mm^2) wire is a blunt cut lead, which is part of the 3-foot (91 cm) loop of wire coiled under the instrument panel near the center of the vehicle.

An 8-gauge (8 mm^2) ground lead is also provided and it is located under the front passenger sill plate. It can be accessed by removing the sill plate and pulling the loop of wire at the front of the plate, the lead is 3-feet (91 cm) long.

Blunt cut ignition control power and signal circuits are also included in the wire coiled under the instrument panel near the center of the vehicle. They include:

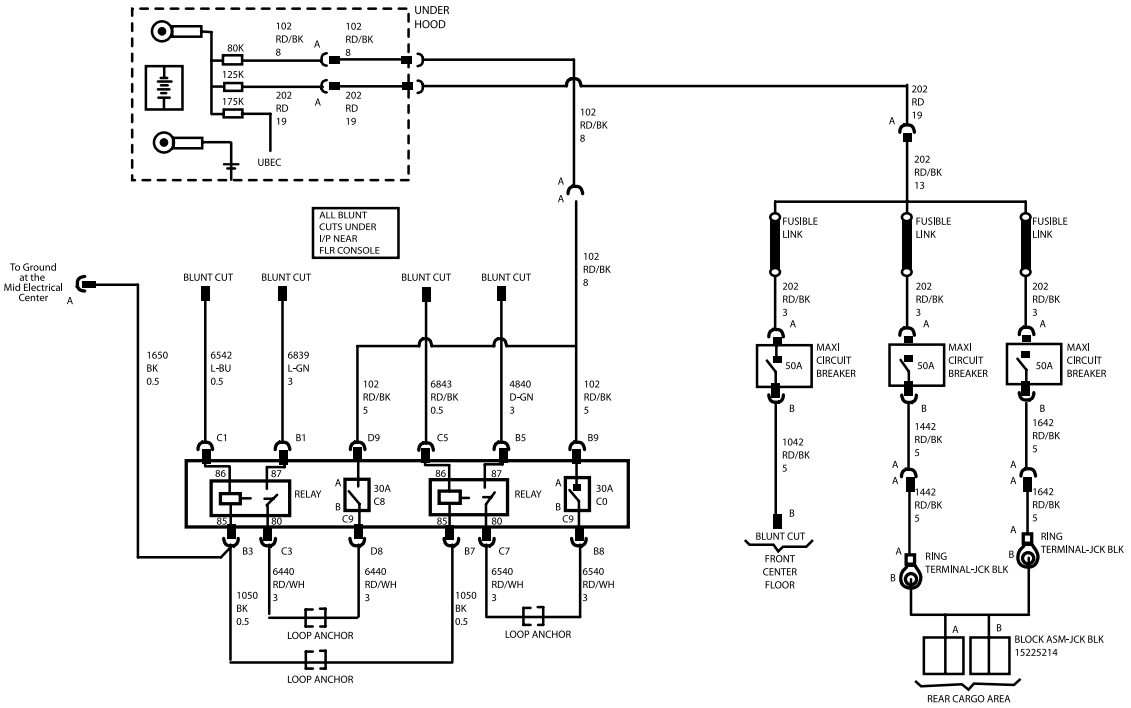
- A yellow, 20-gauge (0.5 mm^2) circuit, HOT in ACCESSORY, RUN or RAP (Retained Accessory Power)*
- Pink, 20-gauge (0.5 mm^2) circuit, HOT in START/RUN (7-amp maximum load)
- A yellow/black, 20-gauge (0.5 mm^2) transmission park signal. This circuit provides switched power when the transmission is in P (Park) and the engine is running. The circuit is at 0-volts when the transmission is in any other position, i.e., R (Reverse), N (Neutral), D (Drive) or M (Manual 6-1). Note that the circuit is also at 12-volts with the transmission in P (Park) and the ignition is OFF. To avoid the possibility of undesired parasitic electrical load with the ignition is OFF it is suggested that the Park/Signal circuit be isolated by routing it through the normally open contacts of a customer furnished ignition controlled relay.*
- A dark green/white, 20-gauge (0.5 mm^2) Vehicle Speed Signal (VSS) provides 4,000 pulses per mile.

The breaker and relay center is located behind and above the instrument panel storage compartment. Remove contents from the storage tray. Using the tab at the back of the compartment drop the tray down gently toward the floor. You will find the breaker/relay center above the right rear corner of the storage compartment. The bracket is attached to the instrument panel structure with two screws. It will hang from the hinge.

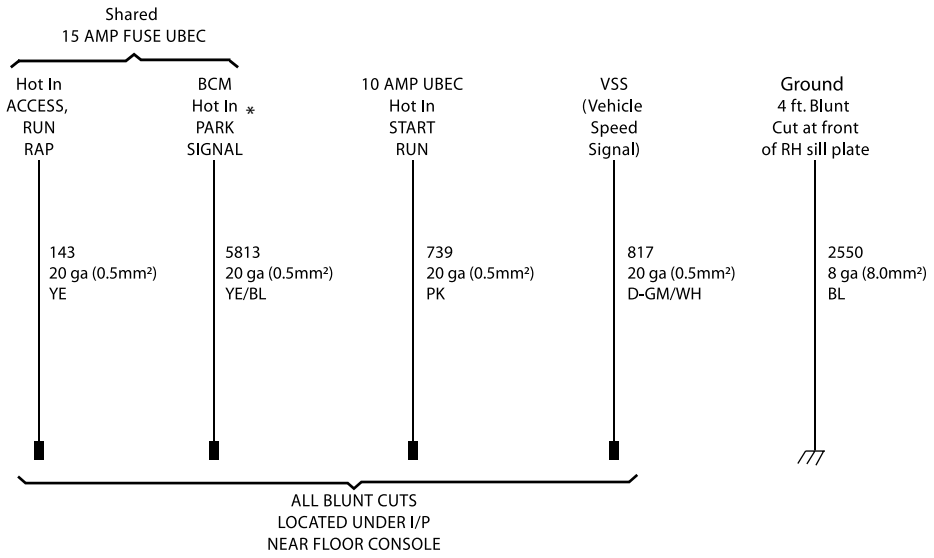
**** These two circuits share a 15-amp fuse. (10-amp combined maximum load)***

Note: Wiring diagrams for these options are shown in the Police Package owner's manual supplement (shipped in glove box).

WIRING DIAGRAM FOR 12-VOLT BATTERY POWER SUPPLY



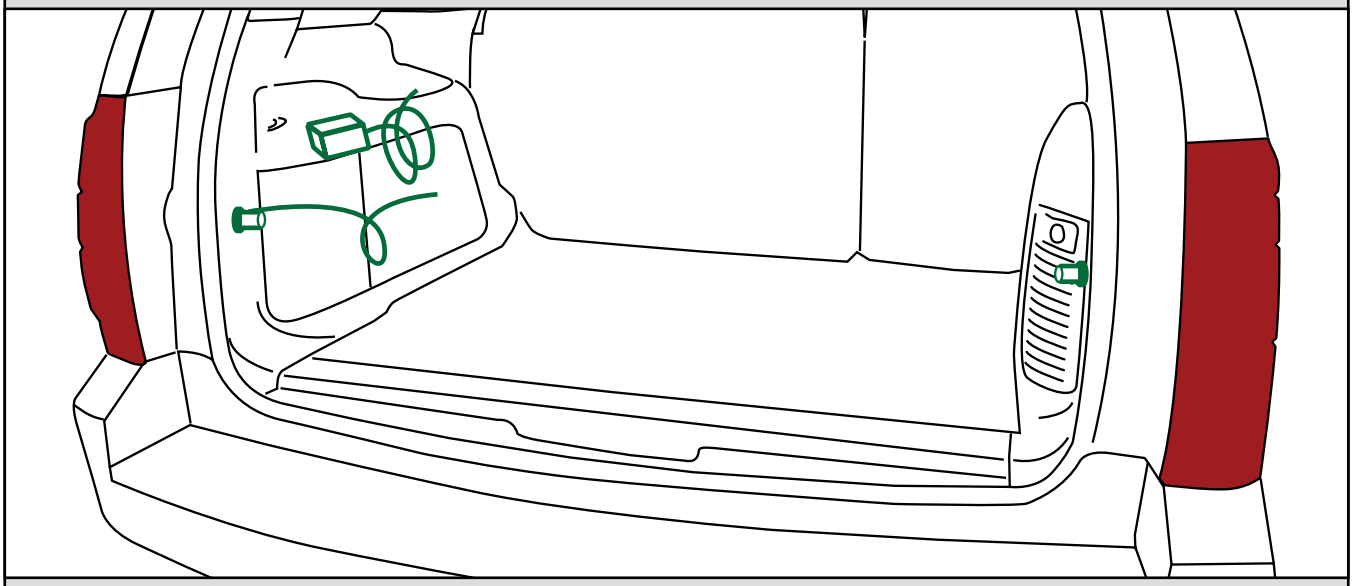
AND AUXILIARY BATTERY POWER JUNCTION BLOCK



* Zero volts out of PARK, engine running; HOT in PARK with ignition OFF.

Note: Wiring diagrams for these options are shown in the Police Package owner's manual supplement (shipped in glove box).

AUXILIARY BATTERY POWER JUNCTION BLOCK AND GROUND STUDS



An auxiliary power junction block is located within the driver's side rear cargo area jack stowage compartment. This junction block is split to provide two circuits for connection to customer-furnished equipment directly to the battery through separate 50-amp circuit breakers. These circuit breakers are located in the breaker/relay panel forward of the instrument panel glove box. A maximum load of 100-amps (1,200-watts) can be connected.

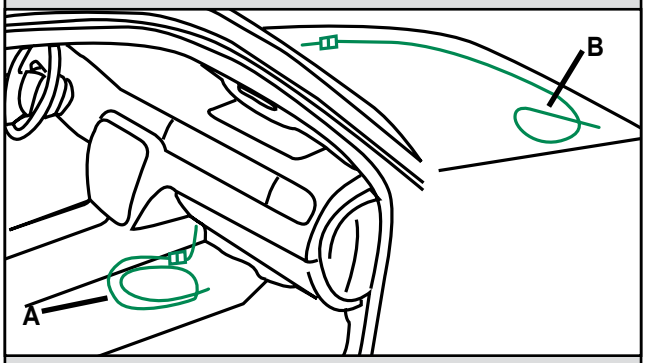
This junction block is connected to a coiled 5-foot (1.5 m) branch of rear body harness and fastened near the jack. Mounting of the junction block can be at customer-selected rear cargo area locations permitted by the branch harness length and using customer-furnished mounting hardware.

The junction block should not be attached to the interior trim plastic components without appropriate backing hardware to the mounting bolts.

Grounding studs are located on the left and right sides of the liftgate opening.

Note: Wiring diagrams for these options are shown in the Police Package owner's manual supplement (shipped in glove box).

WIRING PROVISIONS FOR VEHICLE GRILLE LAMPS AND SPEAKER/SIREN – OPTION 6J3

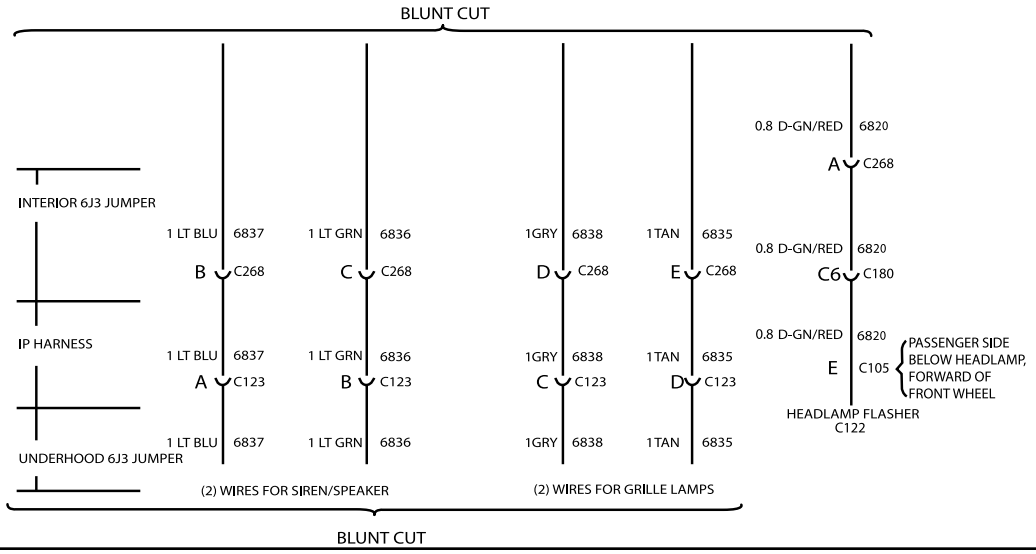


A. Blunt cut ends for the customer-furnished grille lamps and customer-furnished siren/speaker
B. Control wires from in-line connector in forward lamp harness for customer-furnished grille lamps and speaker

The SEO 6J3 wiring provision has a 5-foot (1.5 m) harness coiled underneath the instrument panel on the passenger side. The wiring circuits are routed from under the instrument panel to a 1-foot (30 cm) coil secured in the area behind the grille. There are four 16-gauge (1.0 mm^2) wires for connecting to the grille lamps (GRY, TAN) and siren speaker (LT BU, LT GN)

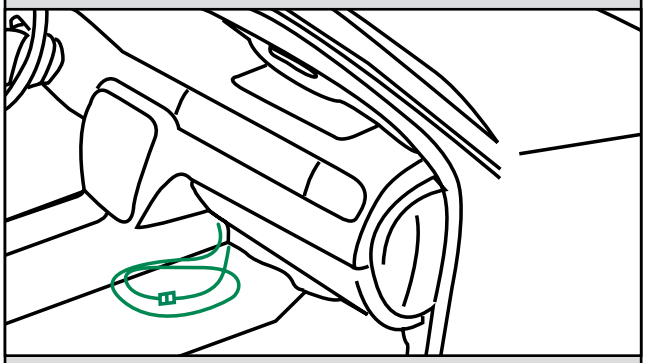
The SEO 6J3 wiring provision also includes one 18-gauge (0.8 mm^2) control wire for the SEO 6J7 Exterior Lamps Emergency Flashing System.
When option 6J7 is installed without option 6J3, only the dark green/red control wire is proved for connection to customer-furnished 12-volt switching to turn the Emergency Flashing System on or off.

WIRING DIAGRAM FOR OPTION 6J3 AND OPTION 6J7



Note: Wiring diagrams for these options are shown in the Police Package owner's manual supplement (shipped in glove box).

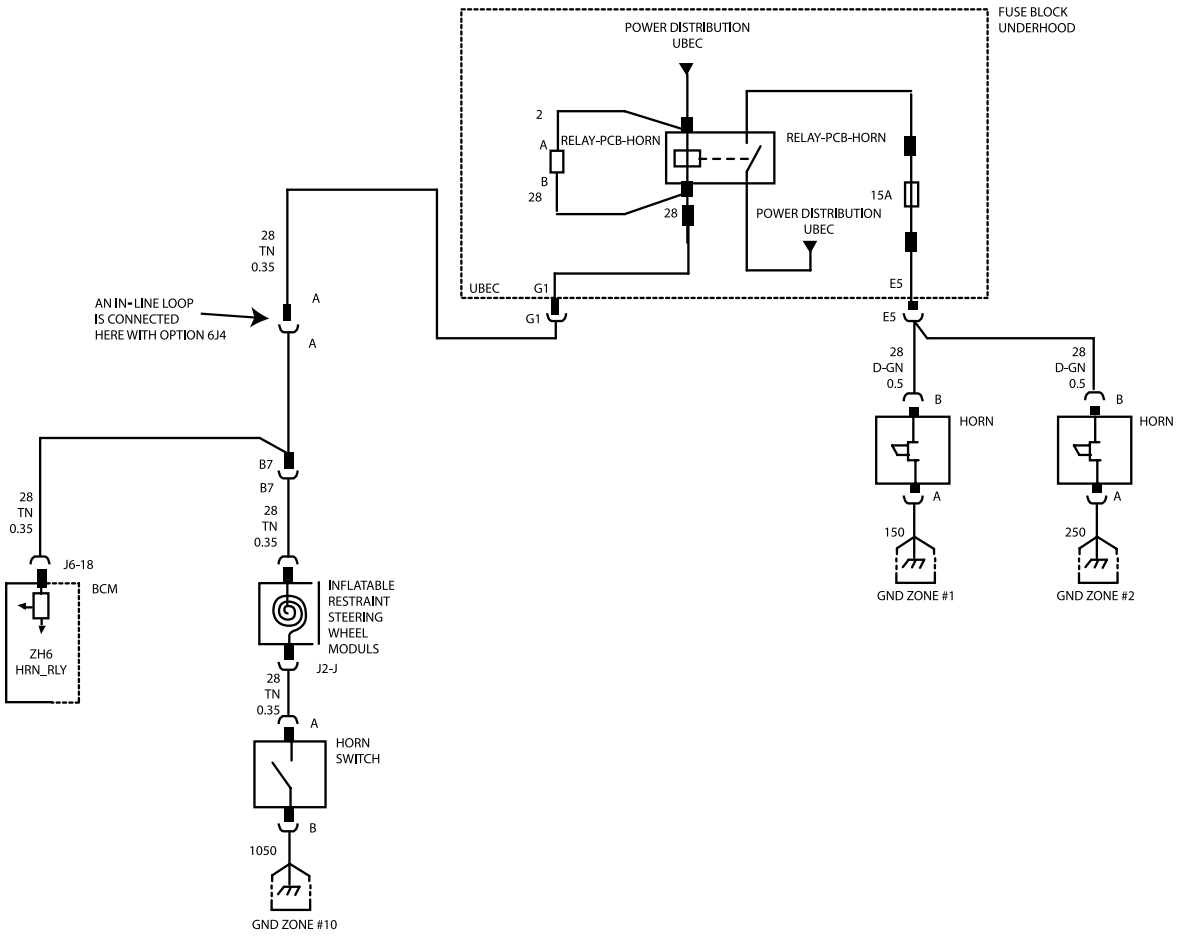
WIRING PROVISION FOR HORN/SIREN CIRCUIT - OPTION 6J4



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

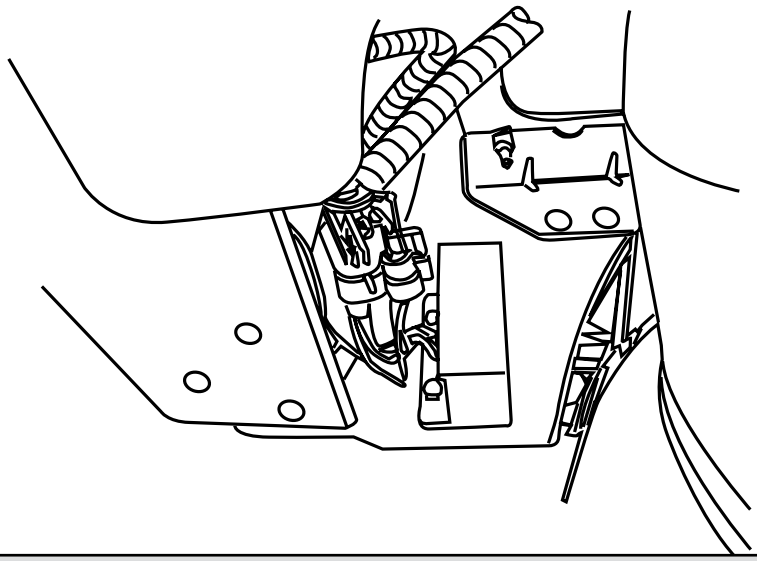
A 22-gauge (0.35 mm2) wire is connected to an in-line connector in the horn circuit of the instrument panel harness under the instrument panel. The end of this harness extension is a 5-foot (1.5 m) loop of wire coiled under the center of the instrument panel.

WIRING DIAGRAM FOR OPTION 6J4 IN-LINE CONNECTOR



Note: Wiring diagrams for these options are shown in the Police Package owner's manual supplement (shipped in glove box).

EXTERIOR LAMP EMERGENCY FLASHING SYSTEM - OPTION 6J7



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

The headlamps flashing module is located below the passenger's side front headlamp and forward of the passenger's side front wheel. The module is connected to an in-line connector in the forward lamp harness. The headlamps flashing module is activated by the application of 12-volts to a dark green/red wire coiled in the passenger's side footwell. When activated, the driver's and passenger's side high beam headlamps and the high beam instrument panel cluster lamp will flash alternately at 2.4 flashes per second.

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 transmission in reverse will override the backup lamp flashing.

Activation of the headlamp and rearlamp flashing can be separated. Call Kerr Industries at 905-725-6561 for instructions.

During daylight conditions, the Daytime Running Lamps (DRL) are automatically turned off whenever the headlamps flashing 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 20-amp fuse protects the flasher module circuit. This fuse is located in the underhood fuse block in the engine compartment on the driver's side of the vehicle. See "Fuses and Circuit Breakers" in the "Service and Appearance Care" section of your Tahoe owner's manual for more information.

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

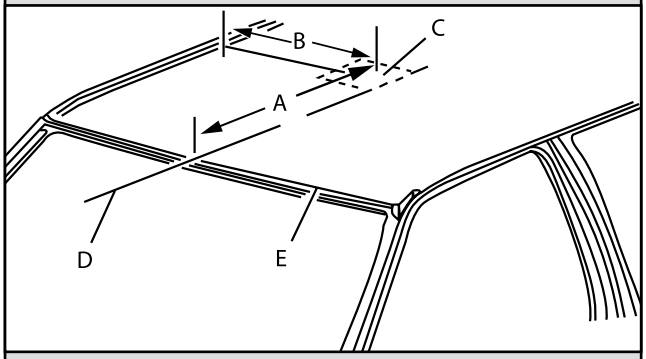
FORWARD LAMP HARNESS IN-LINE CONNECTOR FOR USE WITH HEADLAMPS FLASHER MODULE, OPTION 6J7

			C122			
GROUND	250	0.8 BLK	A			
LH HI BEAM	711	0.35 D-GN/WH	B	B	711	0.35 D-GN/WH
* HDLP WASH	3640	0.8 RD/WH	C			
RH HDLP HI	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 BLOCK, UNDERHOOD

Note: Wiring diagrams for these options are shown in the Police Package owner's manual supplement (shipped in glove box).

WIRING PROVISIONS FOR EMERGENCY VEHICLE ROOF LAMP - OPTION TRW



A. 25.39-inches (645 mm)

B. 17.32-inches (440 mm)

C. 3.94-inches (100 mm) square

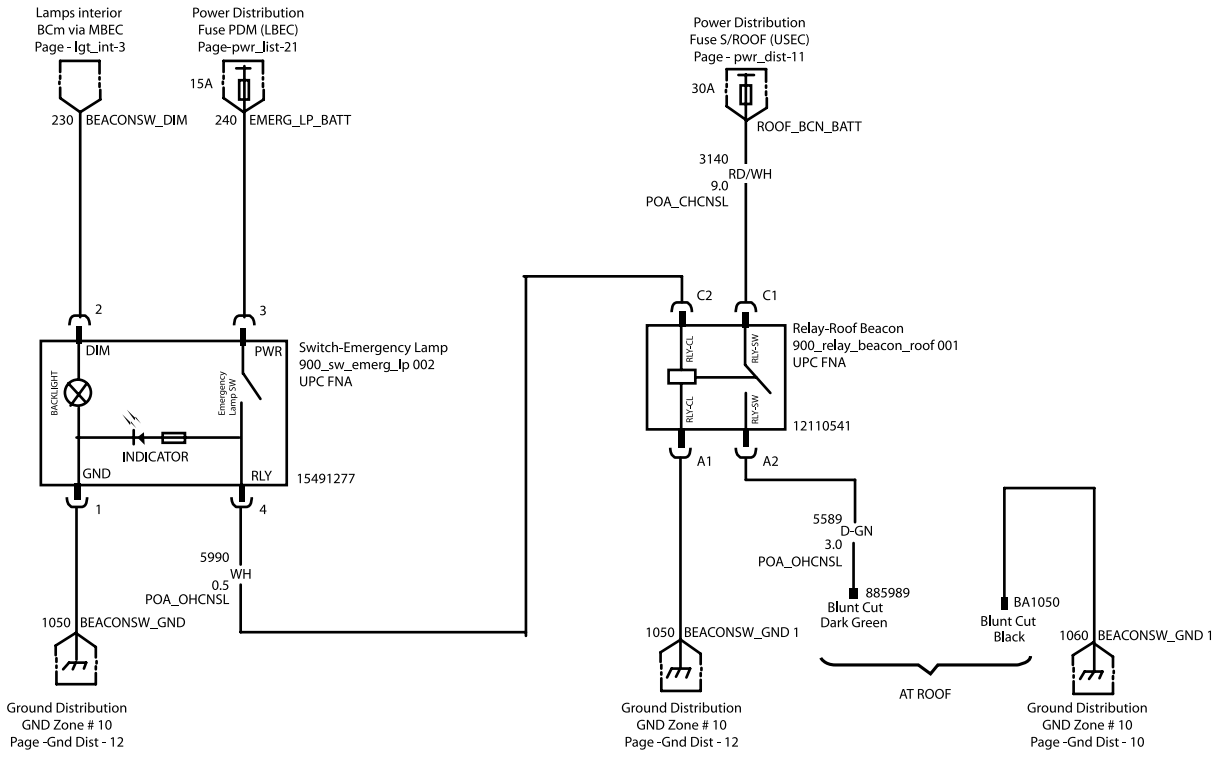
D. Roof centerline

E. Roof edge

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

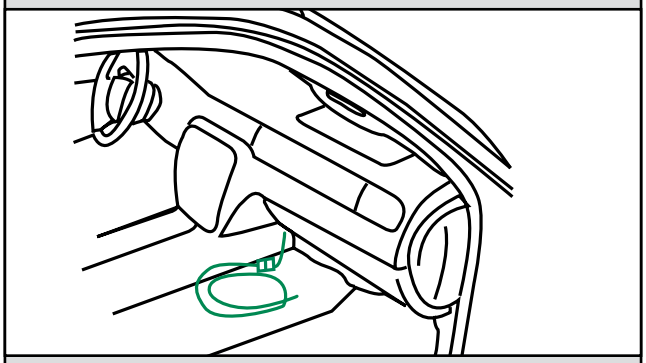
Maximum rated electrical load is 21-amp (250-watts). The added electrical requirements must not exceed 21-amp (250-watts). Running the accessory for long periods of time with the engine off may run the battery down.

WIRING DIAGRAM FOR OPTION TRW EMERGENCY ROOF LAMP



Note: Wiring diagrams for these options are shown in the Police Package owner's manual supplement (shipped in glove box).

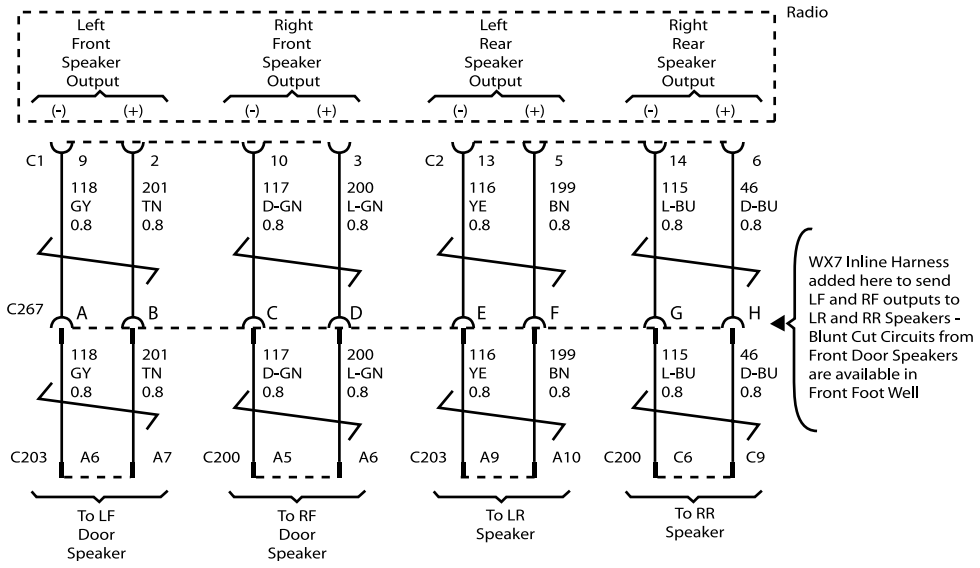
WIRING PROVISIONS FOR FRONT DOOR SPEAKERS - OPTION WX7



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-ignition reminder chime.

WIRING DIAGRAM FOR OPTION WX7 IN-LINE CONNECTOR



Note: Wiring diagrams for these options are shown in the Police Package owner's manual supplement (shipped in glove box).

GM offers Anti-Lock Brake Systems as standard or optional on all North American passenger vehicles and light truck lines. The computerized Anti-Lock Braking System (ABS) is designed to keep the vehicle's wheels rotating as the brakes are applied to assist the driver in achieving a controlled stop. Sensors monitor how fast the wheels rotate and feed the data continuously to the ABS computer. The vehicle's brakes slow each wheel as the brake pedal is applied. However, when ABS is activated due to road conditions, the system repeatedly releases and applies pressure to the brakes. The wheels can keep rolling, thus retaining steering ability and enhanced stability while providing a higher braking force on most surfaces than a locked wheel provides.

How exactly does ABS work?

In cars without ABS, hitting the brakes can cause the wheels to lock, leaving you unable to steer the vehicle until you decrease the pressure so the wheels can roll again. With an ABS, as you apply the brakes, the ABS computer monitors the wheel speed sensor information. If the computer senses that a wheel is approaching lock up, it sends a signal to the hydraulic modulator to reduce, then to reapply, brake pressure several times a second for as long as you maintain firm pressure on the brake pedal. The process is much like the threshold braking technique used with conventional brakes. However, ABS does it much faster and more accurately than any driver can, leaving you free to focus on steering away from obstacles.

Does ABS reduce stopping distances?

Yes, in braking situations where the wheels on a non-ABS equipped vehicle would lock up, ABS will generally provide shorter controlled stopping distance. The amount of improvement in stopping distance depends on many factors, including the road surface, severity of braking, initial vehicle speed, etc. On some surfaces, such as gravel roads, braking distances can be longer, but you will still have the control benefits of ABS. The important capability of ABS is control. ABS provides improved vehicle steerability and stability when braking.

What can affect the ABS advantage?

It is important that you follow the maintenance schedule recommended in the owner's manual of the vehicle, tires should be at their proper inflation level, the brake pads should be checked regularly, etc. While driving, you should sit comfortably, so that your hips are back in the seat and your knees are bent, even while braking. Your foot should be positioned so that your heel is on the floor and your toes are secure on the lower half of the pedal. And, though ABS may reduce stopping distance, remember: The faster you go, the longer it takes you to stop. Keeping a safe distance between you and the vehicle in front of you is always necessary, even with ABS.

What happens if ABS becomes inactive?

The ABS electronic control unit has on-board diagnostic capability. If a fault is detected, the vehicle will revert to the base brake system, and the ABS telltale on the dash will be illuminated. Should this happen, the vehicle should be taken to a dealership for repair as soon as possible.

How do I use ABS?

Depress and hold the pedal. DO NOT PUMP THE BRAKES (that prevents the system from working). Just hold the brake pedal down and let the ABS work for you. You may feel the brake pedal vibrate, or you may notice some noise, but this is normal as the system works for you.

Should I drive an ABS equipped vehicle differently than I would drive a vehicle with conventional brakes?

Most of the time, under normal driving circumstances, there is no difference, and you should always drive with the same caution and care. It is important to realize that ABS only makes a difference when it is activated—when you have to brake hard—and that would only be when the computer senses that a wheel is approaching lock up. When ABS activates keep steady pressure on the brake pedal and then let the ABS work for you. Don't pump the brakes or try to find the threshold. Simply hold the brake pedal down and steer if necessary to avoid an obstacle.

Is ABS always active?

ABS is always available, but not always activated. ABS is activated only when the brake pedal is applied and the computer detects an impending wheel lock condition.

Can older cars be retrofitted with ABS?

No! The brake system is one of the most important features on any passenger vehicle.

Several products, which tap into the master cylinder and/or brake system performance, are being sold in the aftermarket. Some of these products imply performance similar to new vehicle anti-lock brake systems.

However, contrary to their claims, add-on systems, which deplete fluid from the master cylinder on brake apply may actually increase a vehicle's stopping distance. This may cause the vehicle to fail to comply with Federal brake standards.

Does ABS always activate at the same speed?

No, the system operates when the computer detects wheel lockup, at any speed above 8 mph.

Will ABS wear out a vehicle's brakes sooner?

A properly maintained brake system will be unaffected by ABS operation under typical driving conditions.

Are there different types of ABS?

Yes, there are rear wheel anti-lock systems (RWAL) used on some trucks and four-wheel ABS available on cars and trucks.

Do Federal Safety Standards mandate ABS?

No. Federal standards establish minimum braking performance requirements that all vehicles must meet, but do not specify how they should be met. It should be noted that even a vehicle with failed ABS meets the Federal safety standard for stopping distances.

Will a tire size change affect ABS?

Use of tires other than original equipment may affect ABS performance. Owners should consult and follow the recommendations contained in the vehicle owner's manual regarding replacement tire size. ***Note: ABS will work with original equipment spare tire or tire chains. However, performance is reduced.***

Do insurance companies give a discount for ABS?

Yes, many insurance companies give discounts that range from 5% to 10%. In the states of New York and Florida all insurance companies are required to give an ABS discount of 5% on certain coverages such as bodily injury, property damage, collision, and personal injury protection. In other states the discount varies from insurance company to insurance company. When buying auto insurance, always ask your insurance agent if his/her company gives a discount for vehicles equipped with anti-lock brakes.

IMPORTANT DRIVING SAFETY TIPS

A. **Always maintain a safe following distance.** ABS does not allow you to stop on a dime. (Generally a 2-second following distance is considered safe in ideal conditions.) Watch the vehicle in front of you pass a fixed marker (such as a sign). Count seconds—one-thousand-one, one-thousand-two-until your front bumper reaches the marker. If you do not count out two seconds, then you are too close to the vehicle in front of you. Also, if the roads are wet or icy, or visibility is poor, you should increase your following distance.

B. **Always drive carefully—** especially on slippery surfaces. ABS cannot create friction between the tires and the road surface, it can only give the driver the maximum advantage of the existing adhesion. If the vehicle is traveling on a surface with no adhesion, the best ABS in the world cannot provide a shorter stopping distance or good steering.

C. **It is a good idea to practice an ABS activated stop** and get the feel of the brake pedal. However, please make sure it's at a safe time with no obstacles in your path. And you only really need to try it once or twice to know what happens.

STABILITY ENHANCEMENT SYSTEMS (StabiliTrak)

Stability enhancement system (StabiliTrak) assists the driver with directional control of the vehicle in difficult driving conditions. Each time the vehicle is started, the StabiliTrak system is fully ON. StabliliTrak can be controlled by a StabiliTrak button on the instrument panel. The condition of the system is displayed by an instrument panel StabiliTrak indicator light and Driver Information Center (DIC) messages. See your owner's manual for additional information about the operation of StabiliTrak.

Date: April 1, 2010

To: Whom it may concern

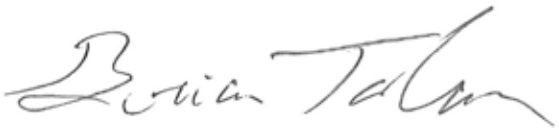
Subject: 2010-2011 Model Year Police Tahoe Speedometer

The following is true of the certified speedometer calibration specifications, at ambient temperature of -10 to 120 degrees F. Inaccuracies due to vehicle speed sensing are included.

Actual Vehicle Speed	Indicated Speed
0 to 120 MPH	+/- 2 MPH

Note:
The speedometer calibration is specific for a 5.3L engine, automatic transmission with a 3.08 axle and P265/60R17 H-Rated, police tires.

Regards,



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UPDATES FOR 2011

New Features

- (WRK) Power distribution center - single
- (WRJ) Power distribution center - dual
- (GHA) Mocha Steel Metallic

Changes

- (U42) Entertainment system, rear seat DVD player with remote control is included and only available with (PCJ) Sun, Entertainment and Destinations Package

Deletions

- (46U) Blue Granite Metallic

Note: This vehicle is NOT designed nor intended for use IN HIGH SPEED EMERGENCY VEHICLE OPERATIONS

MODEL AVAILABILITY

CC10706	2-wheel drive, 8 passenger full-size SUV
CK10706	4-wheel drive, 8 passenger full-size SUV

STANDARD EQUIPMENT SUMMARY

WARRANTY	3 years / 36,000 mile bumper-to-bumper (whichever comes first, see dealer for details) 5 years / 100,000 mile limited powertrain (whichever comes first, see dealer for details)

INTERIOR FEATURES

AIR CONDITIONING	Tri-zone manual climate control with individual climate settings for driver and front passenger; includes auxiliary rear air conditioning and heat (rear air operated from front control only)
ASSIST HANDLES	Front passenger and second row outboard
AUDIO SYSTEM CONTROLS	Rear with 2 headphone jacks (headphones not included), power outlet and controls for volume, station selection and media
BLUETOOTH FOR PHONE[10]	Personal cell phone connectivity to vehicle audio system and HMI (Human Machine Interface), with specific steering wheel controls
CAMERA SYSTEM	Rearview
CONSOLE	Floor with storage area, cup holders and integrated second row audio controls
CRUISE CONTROL	Electronic with set and resume speed
CUP HOLDERS	In front seating area, in rear of floor console and in second row seat, driver and passenger side in third row side trim
DOME LAMPS	Interior with dome lamp, driver and passenger side door switch with delayed entry feature, cargo lamps, door handle or remote keyless entry-activated illuminated entry and map lamps in front and second seat positions
FLOOR COVERING	Color-keyed carpeted first and second row, removable
GLASS	Solar-Ray deep tinted (all windows except light-tinted glass on windshield, driver and front passenger side glass)
HEATER	Rear auxiliary with rear passenger heating ducts
MIRROR	Inside rearview auto-dimming
ONSTAR[8]	1-year of Directions and Connections plan. Includes Automatic Crash Response, Emergency Services, Crisis Assist, Stolen Vehicle Assistance featuring Stolen Vehicle Slowdown, Remote Door Unlock, Roadside Assistance, Remote Horn and Lamps, innovative easy to use Turn-by-Turn Navigation with Destination Download and OnStar eNav (where available), Hands Free Calling, OnStar Vehicle Diagnostics, and Low Mileage Discount
PEDALS	Power-adjustable
RADIO	Audio system with navigation and hybrid power flow display, AM/FM stereo with MP3 compatible CD player includes USB port and DVD-based navigation, seek-and-scan, digital clock, auto-tone control, Radio Data System (RDS), speed-compensated volume, USB port, theftlock and voice recognition, plays CD only in upper slot. Bose premium 9-speaker system with subwoofer in center console. Including three trial months of service of XM Radio[9]. XM NavTraffic enhances your vehicle's GPS navigation system by showing real-time traffic data when it's needed most - while you're driving. Available in over 80 markets, XM NavTraffic displays construction, road closures and accidents so you can get to your destination faster. Available in select models
REMOTE VEHICLE STARTER	Includes remote keyless entry
RESTRAINT SYSTEM	**Tahoe received a 5-star frontal crash test rating (driver and front passenger) from NHTSA**. Safety belts with dual stage driver and passenger frontal air bags[1] with passenger sensing system and frontal air bag[1] ON/OFF indicator; dual head curtain air bags[1] for front and rear outboard occupants and front seat back mounted thorax and pelvic air bags[1]
SEAT, FRONT	Front bucket with leather-appointed seating, 6-way power driver and front passenger seat adjusters, driver manual lumbar control, adjustable head restraints, floor console and rear storage pockets
SEAT, REAR	Second row 60/40 split-folding bench, 3-passenger with center armrest with 2 cup holders
SEAT, THIRD ROW	50/50 split-bench with vinyl, 3-passenger, removable, all-belts-to-seat
SPEEDOMETER/CLUSTER	Analog with speedometer, odometer with trip odometer, fuel level, economy gauge, engine temperature, oil pressure and tachometer
STEERING WHEEL	Tilt-wheel with column mounted gear shift lever, audio and cruise controls

1. Head curtain side air bags are designed to help reduce the risk of head and neck injuries to front and rear seat occupants on the near side of certain side-impact collisions. Always use safety belts and the correct child restraints for your child's age and size, even in vehicles equipped with air bags. Children are safer when properly secured in a rear seat. See your vehicle Owner's Manual and child safety seat instructions for more information.
8. Visit OnStar.com for coverage map, system limitations and details.
9. XM Radio requires a subscription, sold separately by XM after the trial period. Not available in Canada, Alaska or Hawaii. For more information, visit gm.xmradio.com.
10. Go to gm.com/bluetooth to find out which Bluetooth phones are compatible with the vehicle.

INTERIOR FEATURES (CONTINUED)

THEFT DETERRENT	Vehicle theft PASS-Key® III+ and content theft (unauthorized entry sounds horn and lamps flash)
UNIVERSAL HOME REMOTE	Includes garage door opener, programmable
VISORS	Padded with cloth trim, extends on rod; driver and front passenger illuminated vanity mirrors
WARNING TONES	Headlamp on, key-in-ignition, driver and right-front passenger safety belt unfasten and turn signal on
WINDOW OPERATION	Power with driver express-down and lockout features

ELECTRICAL FEATURES

HIGH VOLTAGE MANAGEMENT	Power electronics module
HYBRID PROPULSION	300-volt Energy Storage System
POWER DISTRIBUTION	**An optional power distribution system is integrated into the vehicle 12-volt electrical system at the front compartment RPO WJR or front compartment and rear cargo area RPO WJK. All aftermarket electrical equipment and accessories must be wired to the fused circuits provided in the upfitter 12-volt power distribution panels. The total amount of power available to the panel(s) is 45-amps 540-watts. The power distribution system simplifies upfitting and avoids connection to critical components of the hybrid vehicle electrical system.**
POWER OUTLET	3-prong household-style, 115-volt, 150-watt, located in rear interior quarter trim
POWER OUTLETS	Five auxiliary, 12-volt, includes two on the instrument panel, one in the cargo area, one inside the center console and one at the back of the console

EXTERIOR FEATURES

ASSIST STEPS	Black, mounted between front and rear wheels
BODY SIDE MOLDINGS	Color - keyed
DEFOGGER	Electric, rear window
DOOR HANDLES	Color - keyed
DOOR LOCKS	Power, programmable with lockout protection, and automatic door locking and unlocking, door lock cylinder no longer available on passenger front door and rear liftgate, child safety locks included in rear doors
FASCIA, FRONT	Color - keyed, unique hybrid design
FASCIA, REAR	Color - keyed, unique hybrid design
HEADLAMPS	Dual halogen composite with flash-to-pass feature, automatic exterior lamp control and daytime running lamps
KEYLESS ENTRY	Remote keyless entry and remote vehicle starter system
MIRRORS	Outside heated power-adjustable, power-folding and driver side auto-dimming, color-keyed, with integrated turn signal indicators, ground illumination and curb-tilt
REAR LIFTGATE	Fixed glass and rear-window wiper/washer
REAR PARKING ASSIST	Ultrasonic with audible warning
WIPER	Rear intermittent with washer
WINDSHIELD WIPERS	Front intermittent wet-arm with flat blade and pulse washers

CHASSIS FEATURES

AIR CLEANER	High-capacity
AXLE	3:08 axle ratio with limited slip
BATTERY	Heavy-duty 1-volt 730 cca, maintenance-free with rundown protection and retained accessory power, hybrid 300-volt energy storage system located under the 2nd row seat cushion
BRAKES	4-wheel antilock, 4-wheel disc, electro-hydraulic power, regenerative system with StabiliTrak
COOLING	Electric fans and extended life coolant; coolant hoses are EPDM (ethylene-propylene-diene monomer) rubber
DIFFERENTIAL	Heavy-duty locking rear
ENGINE	Vortec 6.0L V8 SFI, LIVC with active fuel management
FRAME	Full perimeter modular with hydroformed frame rails
FUEL TANK CAPACITY	26 gallon (98 liters)
OIL COOLERS	Engine and transmission auxiliary air-to-oil and power steering
REGENERATIVE BRAKING	Uses the hybrid propulsion motors in the transmission acting as a generator to decelerate the vehicle by applying resistance while capturing the energy as electricity in the 300V Energy Storage System, which is then available for the next acceleration cycle
SPARK PLUGS	Extended life - iridium tip
STABILITRAK	Stability enhancement system. It is an advanced computer controlled system that assists the driver with directional control of the vehicle in difficult driving conditions. Each time the vehicle is started, the StabiliTrak system is fully on. StabliliTrak can be controlled by a StabiliTrak button on the instrument panel. The condition of the system is displayed by an instrument panel StabiliTrak indicator light and Driver Information Center (DIC) Messages. Push once, Traction Control is off, push and hold five seconds Traction Control and StabiliTrak is off, push again and Traction Control and StabiliTrak are turned back on
STEERING	Power, electric, 42-volt
SUSPENSION, FRONT	Coil-over-shock with stabilizer bar
SUSPENSION, REAR	Multi-link with coil springs with stabilizer bar
TIRES	P265/65R18 all-season, blackwall
TIRE PRESSURE MONITOR	CHECK TIRE PRESSURE (no spare tire sensor)
TIRE, SPARE	Full-size spare, lockable with outside winch-type carrier mounted under frame at rear
TRAILERING EQUIPMENT	Heavy-duty, includes trailering hitch platform, 7-wire harness with independent fused trailering circuits mated to a 7-way sealed connector and (VR4) 2" trailering receiver
TRANSFER CASE (4WD)	Active, 2-speed electronic autotrac with rotary controls, includes neutral position for dinghy towing
TRANSMISSION	2-mode strong hybrid, automatic, electronic
WHEELS	18" x 8" aluminum

POWERTRAIN

ENGINE				TRANSMISSION		AXLE		GVWR	
OPTION CODE	TYPE	DISPLACEMENT LITERS/CU. IN.	FUEL SYSTEM	OPTION CODE	TYPE	OPTION CODE	RATIO	2WD	4WD
LZ1	V8	6.0/364	Active fuel management	M99	2-mode strong hybrid automatic electronic	GU4	3.08	C5Y 7100 (3221)	C6A 7300 (3311)
						G80	Locking Differential		

EMISSIONS - MUST BE SPECIFIED

FE9	FEDERAL EMISSIONS. Use for ordering vehicles that will be registered in all states except California, Connecticut, Maine, Maryland, Massachusetts, New Jersey, New Mexico, New York, Oregon, Pennsylvania, Rhode Island, Vermont and Washington State
YF5	CALIFORNIA EMISSIONS. Use for ordering vehicles that will be registered in California.
NE1	CT/ME/MD/MA/NJ/NM/NY/OR/PA/RI/VT/WA EMISSIONS. Use for ordering vehicles that will be registered in Connecticut, Maine, Maryland, Massachusetts, New Jersey, New Mexico, New York, Oregon, Pennsylvania, Rhode Island, Vermont or Washington State
NB8	Required when option code FE9 "FEDERAL EMISSIONS" is ordered for delivery to a dealer located in California, Connecticut, Massachusetts, Maryland, New Jersey, New Mexico, New York, Oregon, Pennsylvania, Rhode Island and Washington State for a purchaser who will be registering the vehicle outside California, Connecticut, Maine, Maryland, Massachusetts, New Jersey, New Mexico, New York, Oregon, Pennsylvania, Rhode Island, Vermont and Washington State.
NC7	Required when option code YF5 "CALIFORNIA EMISSIONS" or option code NE1 "CT/ME/MD/MA/NJ/NM/NY/OR/PA/RI/VT/WA EMISSIONS" is ordered for delivery to a dealer located in any state except California, Connecticut, Maine, Maryland, Massachusetts, New Jersey, New Mexico, New York, Oregon, Pennsylvania, Rhode Island, Vermont and Washington for a purchaser who will be registering the vehicle in one of these states or sold as permitted below under "EPA Policy on the Sale of California Emission Vehicles"
NB9	Required when option code YF5 is ordered for delivery to a dealer located in Connecticut, Maine, Maryland, Massachusetts, New Jersey, New Mexico, New York, Oregon, Pennsylvania, Rhode Island, Vermont and Washington. Required when option code NE1 is ordered for delivery to a dealer located in California.

TIRES

CODE	QUANTITY	SIZE	SPEED RATING	TYPE
QXK	5	P265/65R18	S	All season BW

SEATS AND INTERIOR TRIM

		SEAT OPTIONS	EBONY	LIGHT TITANIUM	LIGHT CASHMERE
STANDARD	Front: Leather high-back reclining bucket, 6-way power seat adjusters Rear: Leather	A95	193	833	333

AVAILABLE EXTERIOR COLORS

Black Granit Metallic | Sheer Silver Metallic | Black | Taupe Gray Metallic | Summit White | Red Jewel Tintcoat | Mocha Steel Metallic NEW

Actual colors may vary

AVAILABLE OPTIONS WITH TAHOE HYBRID MUNICIPAL PACKAGE – 1HY

UUK	**AUDIO SYSTEM WITH NAVIGATION AND HYBRID POWER FLOW DISPLAY** - AM/FM stereo with MP3 compatible CD/DVD player and DVD-based navigation, seek-and-scan, digital clock, auto-tone control, Radio Data System (RDS), speed-compensated volume, USB port, theftlock and voice recognition, plays CD or DVD in upper slot, included and only available with U42 rear seat entertainment system.
R8G	**CUMULATIVE SECOND YEAR OF ONSTAR[8] SAFE AND SOUND SERVICE** - In addition to the first year of Directions and Connections Service that is included in the price of the vehicle. Fleet may also order RFA OnStar Business Vehicle Manager Service (requires UE1 OnStar 1-year Directions and Connections plan. Requires one of the following Fleet or Government order types: FLS, FNR, FRC, FBC, FGO or FEF. Not available with R8P, R8Y, R8Z, RFG or RFH)
R8P	**CUMULATIVE SECOND AND THIRD YEAR OF ONSTAR[8] SAFE AND SOUND SERVICE** - In addition to the first year of Directions and Connections Service that is included in the price of the vehicle. Fleet may also order RFA OnStar Business Vehicle Manager Service (requires UE1 OnStar 1-year Directions and Connections plan. Requires one of the following Fleet or Government order types: FLS, FNR, FRC, FBC, FGO or FEF. Not available with R8G, R8Y, R8Z, RFG or RFH)
U42	**ENTERTAINMENT SYSTEM** - Rear seat DVD player with remote control, overhead display, two sets of 2-channel wireless infrared headphones and auxiliary audio/video input jacks, included and only available with PCJ Sun, Entertainment and Destinations Package
VKY	**HANDLES CHROME DOOR** - (LPO dealer installed)
VK3	**LICENSE PLATE BRACKET** - Front (will be forced orders that require front license plate)
VLI	**MAT REAR CARGO** - (LPO dealer installed)
VAV	**MATS ALL-WEATHER FLOOR** - First and second row (LPO dealer installed)
VKN	**MATS ALL-WEATHER FLOOR** - Third row (LPO dealer installed)
VKU	**MIRROR CHROME CAPS** - (LPO dealer installed)
R8Y	**ONSTAR[8] 1 ADDITIONAL YEAR OF DIRECTIONS AND CONNECTIONS SERVICE** - Provides 1 additional Year of Directions and Connections Service following the first year of OnStar service included in the price of the vehicle. Fleet may also order RFA OnStar Business Vehicle Manager Service (requires UE1 OnStar 1-year Directions and Connections plan. Requires one of the following Fleet or Government order types: FLS, FNR, FRC, FBC, FGO or FEF. Not available with R8G, R8P, R8Z, RFG or RFH)
R8Z	**ONSTAR[8] 2 ADDITIONAL YEARS DIRECTIONS AND CONNECTIONS SERVICE** - Provides 2 additional Years of Directions and Connections service following the first year of OnStar service included in the price of the vehicle. Fleet may also order (RFA) OnStar Business Vehicle Manager Service (requires UE1 OnStar 1-year Directions and Connections plan. Requires one of the following Fleet or Government order types: FLS, FNR, FRC, FBC, FGO or FEF. Not available with R8G, R8P, R8Y, RFG or RFH)
RFG	**ONSTAR[8] 3 ADDITIONAL YEARS SAFE AND SOUND SERVICE** - Provides 3 additional Years of Safe and Sound service following the first year of OnStar service included in the price of the vehicle. Fleet may also order (RFA) OnStar Business Vehicle Manager Service (requires UE1 OnStar 1-year Directions and Connections plan. Requires one of the following Fleet or Government order types: FLS, FNR, FRC, FBC, FGO or FEF. Not available with R8G, R8P, R8Y, R8Z or RFH)
RFH	**ONSTAR[8] 4 ADDITIONAL YEARS SAFE AND SOUND SERVICE** - Provides 4 additional Years of Safe and Sound service following the first year of OnStar service included in the price of the vehicle. Fleet may also order (RFA) OnStar Business Vehicle Manager Service (requires UE1 OnStar 1-year Directions and Connections plan. Requires one of the following Fleet or Government order types: FLS, FNR, FRC, FBC, FGO or FEF. Not available with R8G, R8P, R8Y, R8Z or RFG)
RFA	**ONSTAR[8] BUSINESS VEHICLE MANAGER SERVICE** - Provides OnStar Business Vehicle Manager Service equal to the length of OnStar service (requires one of the following Fleet or Government order types: FLS, FNR, FRC, FBC, FGO or FEF. Requires Fleet Master Agreement)
VKW	**ORGANIZER FRONT CONSOLE** - (LPO dealer installed)
WRJ	**POWER DISTRIBUTION CENTER, DUAL** - Integrated in to the electrical system located in the drivers compartment and the cargo area
WRK	**POWER DISTRIBUTION CENTER, SINGLE** - Integrated into the electrical system located in the drivers compartment area.
PCJ	**SUN, ENTERTAINMENT AND DESTINATIONS PACKAGE** - Includes 1 year of XM Radio[9] and XM NavTraffic service, CF5 power sunroof, UUK AM/FM stereo with MP3 compatible CD/DVD player and DVD-based navigation, UVC rearview camera system and U42 rear seat DVD entertainment system
R6X	**SUN, ENTERTAINMENT AND DESTINATIONS PACKAGE DISCOUNT NOT DESIRED**
CF5	**SUNROOF** - Power, tilt-sliding with express-open and close and wind deflector
W04	**THEFT-DETERRENT WHEEL** - Security system that sets off the vehicle alarm system if the vehicle is jacked up or towed, designed to protect 20"/22" SPO upsize wheels (LPO dealer installed)
VKX	**TIRE AND WHEEL** - Spare (LPO dealer installed)

Note: ***• Tahoe Turn-Key packages available only through your Chevrolet dealer***

• Direct purchase equipment is available through dealer direct order and purchase from Kerr Industries 905-725-6561

• Warranty claims for direct purchase equipment must be directed through Kerr Industries

8. Visit OnStar.com for coverage map, system limitations and details.
9. XM Radio requires a subscription, sold separately by XM after the trial period. Not available in Canada, Alaska or Hawaii. For more information, visit gm.xmradio.com.

TAHOE HYBRID MUNICIPAL PACKAGE 1HY – SPECIFICATIONS

GENERAL

Model	2-wheel	CC10706
Model	4-wheel	CK10706

EXTERIOR (in./mm)

Wheelbase	116/2946
Overall length	202.0/5131
Overall width	79.0/2007
Overall height, 2-wheel	74.61/1895
Overall height, 4-wheel	74.84/1901
Front track width	68.2/1732
Rear track width	67.0/1701
Turning diameter curb to curb (ft./m)	39.0/11.9
Ground clearance, 2-wheel (front)	10.19/259
Ground clearance, 2-wheel (rear)	9.53/242
Ground clearance, 4-wheel (front)	10.19/259
Ground clearance, 4-wheel (rear)	9.84/250

FRONT COMPARTMENT (in./mm)

Head room	41.1/1044
Shoulder room	65.3/1659
Hip room	64.4/1636
Leg room (maximum)	41.3/1049

2nd SEAT (in./mm)

Head room	34.10/866
Shoulder room	65.2/1656
Hip room	60.6/1539
Leg room (minimum)	39.0/991

3rd SEAT (in./mm)

Head room	37.90/963
Shoulder room	61.70/1567
Hip room	49.10/1247
Leg room (minimum)	25.60/650

CARGO

Cargo volume with front seat[3] (cu. ft./liters)	108.9/3084
Cargo volume with front and center seat[3] (cu. ft./liters)	60.3/1707.7
Cargo volume with front, center and rear seat[3] (cu. ft./liters)	16.9/478.6
Load floor length to center 2nd seat at floor (in./mm)	49.4/1255
Load floor length to front seat at floor (in./mm)	81.4/2068
Load floor length to rear seat at floor (in./mm)	15.2/386
Ground to top of rear load floor, 2-wheel (in./mm)	32.28/820
Ground to top of rear load floor, 4-wheel (in./mm)	32.68/830
Inside width between wheel house (in./mm)	49.1/1247
Cargo area height (in./mm)	41.7/1059

Note: For additional dimensional data go to: gmupfitter.com

FUEL ECONOMY RATINGS — CITY/HIGHWAY/COMBINED

6.0L[4]	TBD

Projected EPA label values, actual mileage will vary with options, driving conditions, driving habits and vehicles condition.

ENGINE

Type	SFI
Displacement: liters/cu. in.	6.0/364
Horsepower/rpm	332 @ 5100
Torque lb.-ft./rpm	367 @ 4100
Induction system	SFI
Compression ratio	10.78:1
Exhaust	Single
Minimum recommended fuel octane	87
Fuel tank capacity (gallons/liters)	24/91

TRANSMISSION

Automatic electronic with overdrive	2-mode hybrid

AXLE

Ratio 4-wheel drive	3.08

BRAKES

ABS with vacuum boost	Disc/Disc
Front - swept area (sq. in./sq. cm)	256.6/1655
Rear - swept area (sq. in./sq. cm)	248/1600
Total front and rear swept area (sq. in./sq. cm)	504.6/3255
Front rotor diameter (in./mm)	13.0/330
Rear rotor diameter (in./mm)	13.5/343
Front rotor thickness (in./mm)	1.2/30
Rear rotor thickness (in./mm)	.79/20

TIRES

Type	All-season
Size	P265/65R18

WHEELS

Type	Aluminum
Size	18" x 8"

CHASSIS

Frame	Full perimeter steel
Front suspension	Independent, single coil-over-shock with stabilizer bar
Rear suspension	Multi-link with coil spring
Steering type	Power rack and pinion

BATTERY

Type	Maintenance free
BCI group size	LN3
Volts	12
Amp hour rating	70
Cold cranking amps @ 0°F (-18°C)	730
Reserve capacity @ 80°F (27°C)	110

VEHICLE WEIGHT (lbs./kg.)

	2WD	4WD
GVWR 4-wheel drive[5]	7100/3221	7300/3311
Curb	5629/2553	5907/2679
Payload[6] with 40/20/40 split-bench seat	1476/670	1393/632

Note: See owner's manual supplement for loading information

3. Cargo and load capacity limited by weight and distribution.
4. EPA-estimated MPG.
5. Gross Vehicle Weight Rating (GVWR). When properly equipped, includes vehicle, passengers, cargo and equipment.
6. Maximum payload capacity includes weight of driver, passengers, optional equipment and cargo.

Can specialty vehicle equipment (e.g. radar devices, video cameras, computers, meters, radio trees, shotguns, etc.) still be mounted in cars with passenger side air bags?

Yes, but care must be taken to mount the equipment outside of the deployment zone. Air bags inflate with great force and will interact with any object in the deployment zone. Therefore, to reduce the risk of injury to vehicle occupants, GM recommends that the air deployment zone be kept free of any equipment. If a piece of equipment were to become dislodged it could strike an occupant in the vehicle and result in injury. The likelihood of an object becoming dislodged is influenced by many factors, including the proximity of the object to the inflatable restraint, the size and shape of the object, and the means by which the object is secured to the vehicle. In addition to these factors, the trajectory and velocity of a dislodged object can be influenced by the type and severity of vehicle crash.

Objects that are in the deployment zone, but do not become dislodged by an inflating air bag can still affect the performance of the air bag. For example, such objects could tear the fabric or affect the shape of the air bag, thus reducing the ability of the bag to provide restraint.

Is it possible to shield equipment that is installed in the passenger side frontal air bag deployment zone in a manner that will allow full and safe air bag deployment?

Due to the complexity of influencing variables, GM is unable to evaluate the potential for shielding expected equipment configurations in all accident scenarios in order to assure that the air bag performance would be unaffected. While shielding may protect certain equipment from being damaged or dislodged, it may also negatively affect the inflation characteristics of the air bag. The air bag's shape, inflation angle, fold pattern, and inflation rate and pressure are developed to maximize the protection capability of the inflatable restraint system. Therefore, GM cannot recommend the placement of any equipment in the deployment zone, even if it is shielded to protect it from damage.

Front air bag systems and instrument panel mounted equipment.

Passenger air bags in GM vehicles deploy in different ways depending upon the type of vehicle and the particular instrument panel design.

In some vehicles, the passenger air bag deploys through a discrete door located on the top surface of the instrument panel (top-mount air bag systems). In other vehicles, such as the Chevrolet Tahoe, the passenger air bag deploys through a discrete door mounted on the vertical rearward surface of the instrument panel, above the glove box door (mid-mount air bag system). With these types of top-mount and mid-mount passenger air bag systems, the top pad of the instrument panel remains in place during deployment.

Some GM passenger air bag systems, like the system in the Chevrolet Impala, deploy from beneath the instrument panel top pad. These are considered 3/4-mount air bag systems with a "deployable top pad." The entire instrument panel top pad is the "deployment door" from under which the inflating air bag emerges. When an air bag deployment is commanded, the forces from the inflating passenger air bag push up on the instrument panel top pad, releasing special fasteners across the rearward edge of the top pad. This allows the top pad to rotate upward so that the passenger air bag may emerge. The top pad rotates upward to open widest at the right hand side, and is usually forced upward into contact with the windshield on the right hand side of the vehicle during a deployment.

Instrument panel top mounted special equipment, such as a radar antenna and control unit or video camera must be positioned to the left of the vehicle center line. This equipment must be mounted as low as possible and securely fastened to the top pad to avoid being dislodged in the event of a crash and possible air bag deployment. In the process of securely fastening special equipment to the top, DO NOT fasten down the top pad itself to any other vehicle component such as the cluster trim plate. As described above, the top pad rotates upward during a deployment. In order to enable the proper deployment of the passenger air bag, specialty equipment installation MUST NOT PREVENT the top pad from rotating upward during deployment. Location and attachment of special equipment should minimize added resistance or interference to upward rotation of the top pad during deployment.

Optional side air bags for crashes to the vehicle sides.

The air bag system in your police vehicle may include optional side air bags for front and rear occupants. Most front-to-rear side air bags are designed to deploy downward from the interior roof sides to the bottom of the door windows.

Can Specialty Vehicle Security Barriers be mounted within the side air bag deployment zones?

No. The side air bags inflate extremely fast because of the nature of side crashes to the vehicle. Mounting a security barrier behind the front seats with the ends placed within the side air bag deployment zones will result in unintended interaction between the barrier and the inflating side air bags. To reduce the risk of injury to the vehicle occupants, GM recommends that the side air bag zones be kept free of any customer installed equipment.

Customer furnished equipment installed to the vehicle roof.

Your police vehicle is designed with an interior roof cover system which includes internal components for the interior lamps and wiring. The roof system may also include optional side air bag components. Inflation devices may be mounted on the vehicle roof side behind the rear doors as well as air bag tethers retained to the windshield pillars. Care must be taken to avoid damage to these components or interference with their operation when installing roof mounted equipment such as emergency lamps and communication antennas.

Recommended GM service procedures must be followed to remove and re-install the instrument panel top pad to ensure that the top pad will release properly in the event of a passenger air bag deployment.

On the right half of the top pad closest to the passenger air bag module, GM recommends that no equipment be mounted. When mounting equipment on the driver side of the top pad, GM recommends that the total mass of the top pad mounted special equipment not exceed 8 pounds (3.6 kilograms), since the top pad tends to rotate about the left end.

Fasteners used to secure special equipment to the instrument panel top pad, the windshield glass, or to the windshield upper frame (header), should be selected to ensure that these devices will remain attached during a vehicle crash and possible air bag deployment.

Head curtain side air bags are designed to help reduce the risk of head and neck injuries to front and rear seat occupants on the near side of certain side-impact collisions. Always use safety belts and the correct child restraints for your child's age and size, even in vehicles equipped with air bags. Children are safer when properly secured in a rear seat. See your vehicle Owner's Manual and child safety seat instructions for more information.

Can the installation of push bumpers on the front end of the vehicle affect the deployment of the air bag?

General Motors is not aware of adverse effects during crash events from the many push bumpers that have been installed on GM police vehicles. Because there are many styles of push bumpers available with varying crash characteristics, installation of push bumpers may or may not affect deployment timing of the air bags. Push bumpers should be mounted to avoid modifying the vehicle structure and interfering with the front air bag sensors mounted on the upper radiator support cross member.

Two front impact sensors are installed in General Motors vehicles. Do not relocate or disconnect the front sensors. The location and orientation of the front sensors are critical for correct operation of the air bag system. Avoid mounting components on or near the sensors. Push bumper styles with vertical pushing members that are in fore-aft alignment with the front air bag sensors are not recommended.

How long will the air bag remain inflated?

It takes approximately 1/20th of a second to fully inflate the frontal air bags. This is faster than the blink of an eye. The air bags begin to deflate immediately, helping to stop the occupants more gradually.

Can the air bag system be re-used?

No. The air bags are designed to inflate only once. After inflation some new parts will be required. These will include the air bag module and possibly other parts. (A competent service technician with access to the vehicle's service manual and the required tools should replace the required components after a deployment crash.)

I've heard that the dusts that are released into the passenger compartment from the air bag are harmful. Is this true?

For most people, the only effect the dusts will produce is some irritation of the throat and eyes, and that is only if the occupant remains in the vehicle for many minutes after the air bag deployment with no ventilation and windows closed. However, some people with asthma may develop an asthmatic attack from inhaling the dusts. If this happens, they should first treat themselves the same way their doctor has advised them to treat any other asthma attack, and then immediately seek medical treatment.

When should an air bag inflate?

The driver's and right-front passenger's frontal air bags are designed to inflate in moderate to severe frontal or near-frontal crashes. But they are designed to inflate only if the impact speed is above the system's designed "threshold level."

In addition, if your vehicle has "dual stage" frontal air bags, these air bags tailor the amount of restraint according to crash severity. For moderate frontal impacts, the air bags inflate at a level less than full deployment. For more severe frontal impacts, "dual stage" frontal air bags deploy at full levels.

If the front of your vehicle goes straight into a wall that doesn't move or deform, the threshold level of the reduced deployment is about 12 to 16 mph (19 to 15 km/h), and the threshold level for a full deployment is about 18 to 24 mph (29 to 28.5 km/h). The threshold level can vary, however, with specific vehicle design, so that it can be somewhat above or below this range.

If your vehicle strikes something that will move or deform such as a parked car, the threshold level will be higher. The driver's and right-front passenger's frontal air bags are not designed to inflate in rollover, side impacts, or rear impacts, because inflation would not help the occupant.

Seat mounted side impact air bags are designed to inflate in moderate to severe side crashes. The side impact air bags will inflate if the crash severity is above the designed "threshold level." The threshold level can vary with specific vehicles design. The side impact air bags are not designed to inflate on frontal or near-frontal impacts or rear impacts, because inflation would not help the occupant.

Roof rail mounted head-curtain airbags are designed to inflate in moderate to severe side crashes. In addition, certain vehicles have head-curtain air bags which are also designed to inflate in situations where an impending rollover condition is identified by the vehicle's rollover sensing system and/or frontal or near-frontal impacts if the crash severity is above the designed "threshold level".

Safety belt pretensioners at the driver and front passenger seat positions are designed to deploy in frontal, near-frontal, side, and rear crashes that exceed the "threshold level" of crash severity to help reduce slack in the safety belt. Safety belt pretensioners will also deploy in impending rollover situations.

I've heard that a deployed air bag produces what appears to be smoke. Is the air bag hot?

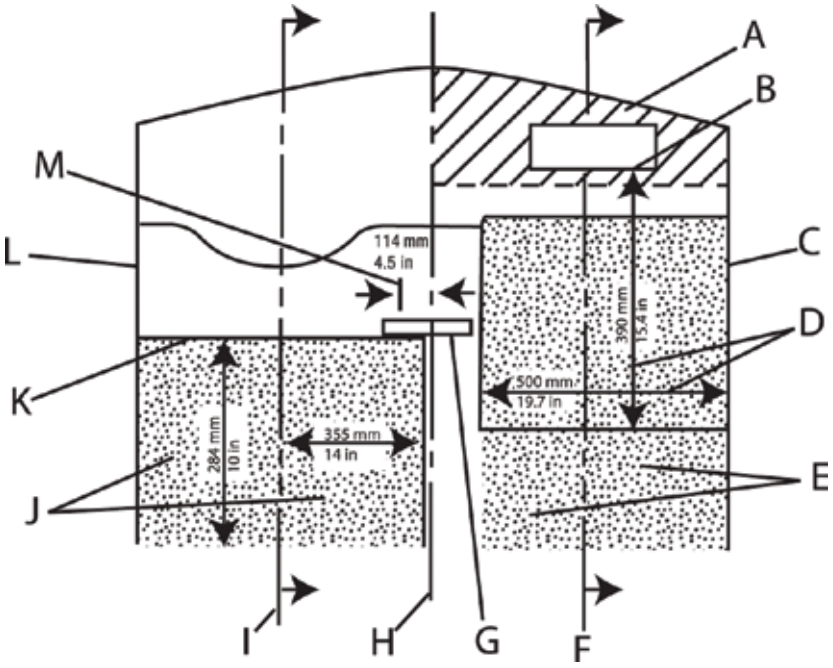
After the bag has deployed in a crash, the air bag itself will not be hot to touch. Some components within the air bag module will be hot for a short time. A small amount of smoke coming from a deployed air bag module is normal and should not be cause for concern.

Also, when the nitrogen gas is vented out of the air bag, small particles from inside the bag are also vented into passenger compartment. These airborne particles look like smoke and some particles are deposited as residue on and around the air bag.

If my vehicle has air bags, why should I have to wear my safety belt?

Air bags are in many vehicles today and will be in most of them in the future. But they are supplemental systems only; so they work with safety belts - not instead of them. Every air bag system ever offered for sale has required the use of safety belts. Even if you're in a vehicle that has air bags, you still have to buckle up to get the most protection. That's true not only in frontal collisions but especially in side and other collisions.

Head curtain side air bags are designed to help reduce the risk of head and neck injuries to front and rear seat occupants on the near side of certain side-impact collisions. Always use safety belts and the correct child restraints for your child's age and size, even in vehicles equipped with air bags. Children are safer when properly secured in a rear seat. See your vehicle Owner's Manual and child safety seat instructions for more information.

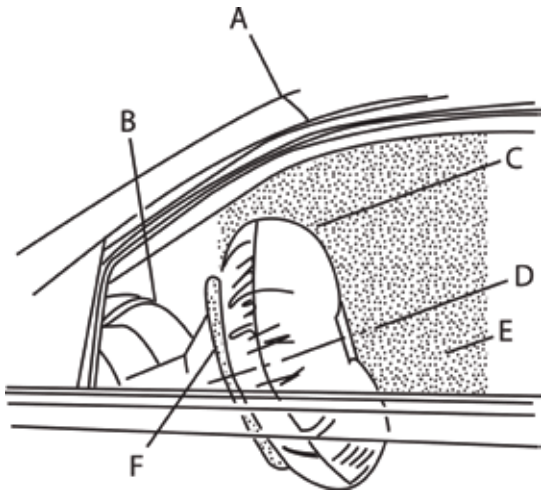


TOP VIEW OF INSTRUMENT PANEL AND APPROXIMATE DEPLOYMENT AREA OF THE AIR BAG ZONE

A. Passenger side instrument panel top surface zone
B. Passenger side air bag module trim panel – rear edge
C. Passenger side door
D. Approximate dimensions of inflated air bag
E. Passenger side air bag deployment zone
F. Passenger centerline
G. Inside rearview mirror
H. Vehicle centerline
I. Driver centerline
J. Driver side air bag deployment zone
K. Front of steering wheel
L. Driver side door
M. Shift selector arc

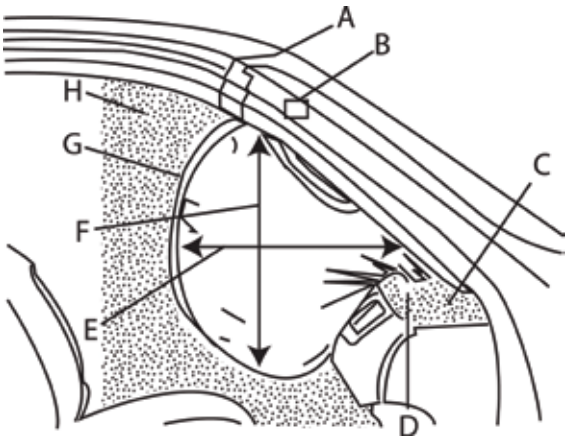
Head curtain side air bags are designed to help reduce the risk of head and neck injuries to front and rear seat occupants on the near side of certain side-impact collisions. Always use safety belts and the correct child restraints for your child's age and size, even in vehicles equipped with air bags. Children are safer when properly secured in a rear seat. See your vehicle Owner's Manual and child safety seat instructions for more information.

Note: All dimensions are approximate and subject to change.



SIDE VIEW OF DRIVER SIDE
AIR BAG DEPLOYMENT ZONE

A. Top edge of windshield
B. Top of instrument panel
C. Inflated air bag – steering wheel
D. Centerline of steering column at mid-tilt
E. Driver air bag deployment zone
F. Front of steering wheel



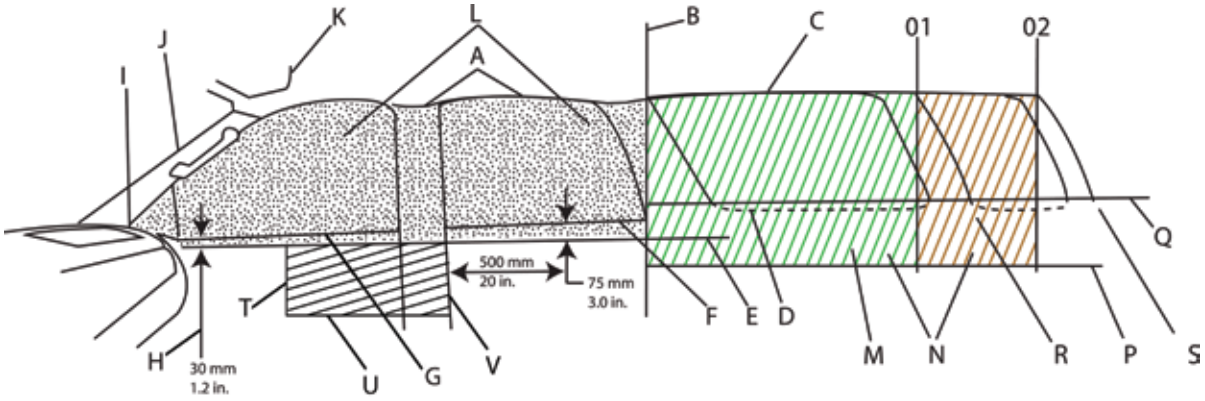
SIDE VIEW OF PASSENGER SIDE AIR BAG
DEPLOYMENT ZONE

A. Top edge of windshield
B. Inside rearview mirror
C. Instrument panel top surface zone
D. Passenger side air bag module trim panel – rear edge
E. Inflated air bag – horizontal dimension approximate 15.4 in (390 mm)
F. Inflated air bag – vertical dimension approximate 9.3 in (490 mm)
G. Inflated air bag – instrument panel
H. Passenger air bag deployment zone

Head curtain side air bags are designed to help reduce the risk of head and neck injuries to front and rear seat occupants on the near side of certain side-impact collisions. Always use safety belts and the correct child restraints for your child's age and size, even in vehicles equipped with air bags. Children are safer when properly secured in a rear seat. See your vehicle Owner's Manual and child safety seat instructions for more information.

Note: All dimensions are approximate and subject to change.

HEAD CURTAIN AND FRONT SEAT-MOUNTED SIDE IMPACT AIR BAG DEPLOYMENT ZONES
PASSENGER SIDE SHOWN, DRIVER SIDE SIMILAR



Tahoe/Suburban/Silverado Crew Cab Seat Rows 1 and 2

A. Top of deployment zone – along head curtain at edge of headliner
B. Back of deployment zone – at rear top corner of rear door pad
C. Rear quarter window
D. Bottom outside edge of rear quarter window
E. Bottom of air bag deployment zone – parallel to outside bottom edge of rear quarter glass
F. Top edge of rear door pad
G. Top edge of front door pad
H. Dimension at mirror patch from top edge of front door pad
I. Front of deployment zone at front upper corner of front door pad
J. Windshield pillar trim with grab handle
K. Visor
L. Deployment zone - Tahoe seat rows 1 and 2

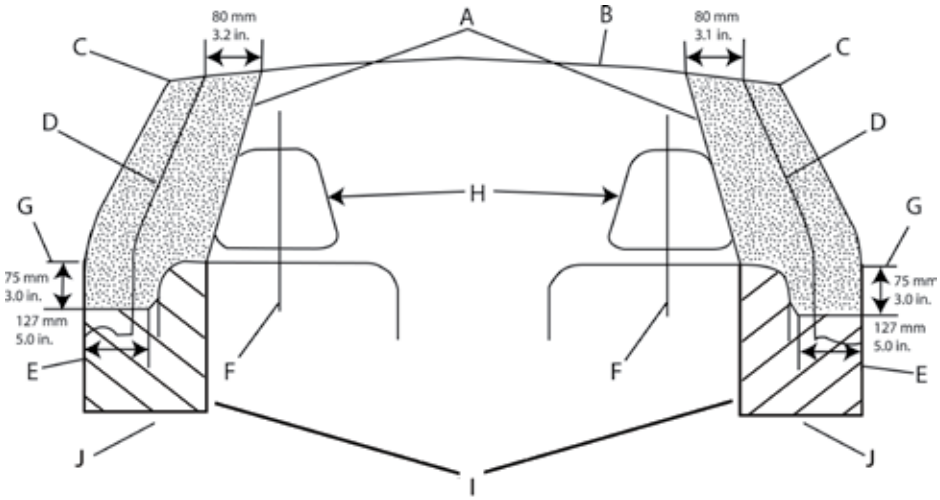
Tahoe/Suburban 3rd Row Seats

M. Deployment zone - Tahoe 3rd seat
N. Deployment zone - Suburban 3rd seat
O. Rear zones at back corner of headliner: 1 Tahoe, 2 Suburban
P. Bottom of 3rd seat zone at rear side trim cup holders
Q. Top edge of rear quarter trim at window
R. Rear of Tahoe
S. Rear of Suburban

Tahoe/Suburban/Silverado Crew Cab Seat Air bag

T. Center of door trim pull handle
U. Top of surface of outboard front seat cushion
V. Back edge of center pillar trim

HEAD CURTAIN AND FRONT SEAT-MOUNTED SIDE IMPACT AIR BAG DEPLOYMENT ZONES
VIEW FROM REAR CARGO AREA



A. Head curtain air bag deployment zone
B. Underside of headliner
C. Edge of headliner
D. Inner center pillar trim
E. Inner door pad
F. Seat centerline
G. Bottom of door windows
H. Front seat headrests
I. Seat-mounted side impact air bags deployment zone front seat
J. Top surface of outboard front seat cushion

Head curtain side air bags are designed to help reduce the risk of head and neck injuries to front and rear seat occupants on the near side of certain side-impact collisions. Always use safety belts and the correct child restraints for your child's age and size, even in vehicles equipped with air bags. Children are safer when properly secured in a rear seat. See your vehicle Owner's Manual and child safety seat instructions for more information.

Note: All dimensions are approximate and subject to change.

GM offers Anti-Lock Brake Systems as standard or optional on all North American passenger vehicles and light truck lines. The computerized Anti-Lock Braking System (ABS) is designed to keep the vehicle's wheels rotating as the brakes are applied to assist the driver in achieving a controlled stop. Sensors monitor how fast the wheels rotate and feed the data continuously to the ABS computer. The vehicle's brakes slow each wheel as the brake pedal is applied. However, when ABS is activated due to road conditions, the system repeatedly releases and applies pressure to the brakes. The wheels can keep rolling, thus retaining steering ability and enhanced stability while providing a higher braking force on most surfaces than a locked wheel provides.

How exactly does ABS work?

In cars without ABS, hitting the brakes can cause the wheels to lock, leaving you unable to steer the vehicle until you decrease the pressure so the wheels can roll again. With an ABS, as you apply the brakes, the ABS computer monitors the wheel speed sensor information. If the computer senses that a wheel is approaching lock up, it sends a signal to the hydraulic modulator to reduce, then to reapply, brake pressure several times a second for as long as you maintain firm pressure on the brake pedal. The process is much like the threshold braking technique used with conventional brakes. However, ABS does it much faster and more accurately than any driver can, leaving you free to focus on steering away from obstacles.

Does ABS reduce stopping distances?

Yes, in braking situations where the wheels on a non-ABS equipped vehicle would lock up, ABS will generally provide shorter controlled stopping distance. The amount of improvement in stopping distance depends on many factors, including the road surface, severity of braking, initial vehicle speed, etc. On some surfaces, such as gravel roads, braking distances can be longer, but you will still have the control benefits of ABS. The important capability of ABS is control. ABS provides improved vehicle steerability and stability when braking.

What can affect the ABS advantage?

It is important that you follow the maintenance schedule recommended in the owner's manual of the vehicle, tires should be at their proper inflation level, the brake pads should be checked regularly, etc. While driving, you should sit comfortably, so that your hips are back in the seat and your knees are bent, even while braking. Your foot should be positioned so that your heel is on the floor and your toes are secure on the lower half of the pedal. And, though ABS may reduce stopping distance, remember: The faster you go, the longer it takes you to stop. Keeping a safe distance between you and the vehicle in front of you is always necessary, even with ABS.

What happens if ABS becomes inactive?

The ABS electronic control unit has on-board diagnostic capability. If a fault is detected, the vehicle will revert to the base brake system, and the ABS telltale on the dash will be illuminated. Should this happen, the vehicle should be taken to a dealership for repair as soon as possible.

How do I use ABS?

Depress and hold the pedal. DO NOT PUMP THE BRAKES (that prevents the system from working). Just hold the brake pedal down and let the ABS work for you. You may feel the brake pedal vibrate, or you may notice some noise, but this is normal as the system works for you.

Should I drive an ABS equipped vehicle differently than I would drive a vehicle with conventional brakes?

Most of the time, under normal driving circumstances, there is no difference, and you should always drive with the same caution and care. It is important to realize that ABS only makes a difference when it is activated—when you have to brake hard—and that would only be when the computer senses that a wheel is approaching lock up. When ABS activates keep steady pressure on the brake pedal and then let the ABS work for you. Don't pump the brakes or try to find the threshold. Simply hold the brake pedal down and steer if necessary to avoid an obstacle.

Is ABS always active?

ABS is always available, but not always activated. ABS is activated only when the brake pedal is applied and the computer detects an impending wheel lock condition.

Can older cars be retrofitted with ABS?

No! The brake system is one of the most important features on any passenger vehicle.

Several products, which tap into the master cylinder and/or brake system performance, are being sold in the aftermarket. Some of these products imply performance similar to new vehicle anti-lock brake systems.

However, contrary to their claims, add-on systems, which deplete fluid from the master cylinder on brake apply may actually increase a vehicle's stopping distance. This may cause the vehicle to fail to comply with Federal brake standards.

Does ABS always activate at the same speed?

No, the system operates when the computer detects wheel lockup, at any speed above 8 mph.

Will ABS wear out a vehicle's brakes sooner?

A properly maintained brake system will be unaffected by ABS operation under typical driving conditions.

Are there different types of ABS?

Yes, there are rear wheel anti-lock systems (RWAL) used on some trucks and four-wheel ABS available on cars and trucks.

Do Federal Safety Standards mandate ABS?

No. Federal standards establish minimum braking performance requirements that all vehicles must meet, but do not specify how they should be met. It should be noted that even a vehicle with failed ABS meets the Federal safety standard for stopping distances.

Will a tire size change affect ABS?

Use of tires other than original equipment may affect ABS performance. Owners should consult and follow the recommendations contained in the vehicle owner's manual regarding replacement tire size. ***Note: ABS will work with original equipment spare tire or tire chains. However, performance is reduced.***

Do insurance companies give a discount for ABS?

Yes, many insurance companies give discounts that range from 5% to 10%. In the states of New York and Florida all insurance companies are required to give an ABS discount of 5% on certain coverages such as bodily injury, property damage, collision, and personal injury protection. In other states the discount varies from insurance company to insurance company. When buying auto insurance, always ask your insurance agent if his/her company gives a discount for vehicles equipped with anti-lock brakes.

IMPORTANT DRIVING SAFETY TIPS

A. **Always maintain a safe following distance.** ABS does not allow you to stop on a dime. (Generally a 2-second following distance is considered safe in ideal conditions.) Watch the vehicle in front of you pass a fixed marker (such as a sign). Count seconds—one-thousand-one, one-thousand-two-until your front bumper reaches the marker. If you do not count out two seconds, then you are too close to the vehicle in front of you. Also, if the roads are wet or icy, or visibility is poor, you should increase your following distance.

B. **Always drive carefully—** especially on slippery surfaces. ABS cannot create friction between the tires and the road surface, it can only give the driver the maximum advantage of the existing adhesion. If the vehicle is traveling on a surface with no adhesion, the best ABS in the world cannot provide a shorter stopping distance or good steering.

C. **It is a good idea to practice an ABS activated stop** and get the feel of the brake pedal. However, please make sure it's at a safe time with no obstacles in your path. And you only really need to try it once or twice to know what happens.

STABILITY ENHANCEMENT SYSTEMS (StabiliTrak)

Stability enhancement system (StabiliTrak) assists the driver with directional control of the vehicle in difficult driving conditions. Each time the vehicle is started, the StabiliTrak system is fully ON. StablliTrak can be controlled by a StabiliTrak button on the instrument panel. The condition of the system is displayed by an instrument panel StabiliTrak indicator light and Driver Information Center (DIC) messages. See your owner's manual for additional information about the operation of StabiliTrak.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UPDATES FOR 2011

New Features

- (LGH) Duramax 6.6L V8 turbo diesel (2LS model only)
- (K08) Auxiliary heat generator (2LS model only)
- Batteries, dual heavy-duty 770 cca (2LS model only)
- (K05) Engine block heater (2LS model only)
- (C4M) GVWR[5], 9,900 lbs./4,490 kg (2LS model only)
- (USR) Audio system feature, USB port
- (UPF) Bluetooth for phone[10], personal cell phone connectivity to vehicle audio system
- (UE1) OnStar[8], 1-year Safe and Sound Plan
- (UE0) OnStar[8], delete
- (U2K) XM Radio[9]
- (U2J) XM Radio, delete

Changes

- (ATG) Remote keyless entry with 2 transmitters and remote panic button, replaces (AUO) remote keyless entry
- (BTV) Remote vehicle starter system, includes remote keyless entry, replaces (AP3) Remote Vehicle Starter System

Deletions

- (US9) AM/FM stereo with MP3 compatible 6-disc in-dash CD changer

5. Gross Vehicle Weight Rating (GVWR). When properly equipped, includes vehicle, passengers, cargo and equipment.
8. Visit OnStar.com for coverage map, system limitations and details.
9. XM Radio requires a subscription, sold separately by XM after the trial period. Not available in Canada, Alaska or Hawaii. For more information, visit gm.xmradio.com.
10. Go to gm.com/bluetooth to find out which Bluetooth phones are compatible with the vehicle.

Note: This vehicle is NOT designed nor intended for use IN HIGH SPEED EMERGENCY VEHICLE OPERATIONS

MODEL AVAILABILITY

CG33406-1LS	Rear-wheel drive
CG33706-2LS (DIESEL)	Rear-wheel drive

STANDARD EQUIPMENT SUMMARY

WARRANTY	3 years / 36,000 mile bumper-to-bumper (whichever comes first, see dealer for details) 5 years / 100,000 mile limited powertrain (whichever comes first, see dealer for details)

INTERIOR FEATURES

AIR CONDITIONING	Single-zone, manual
CUPHOLDERS	Three on engine console cover
DEFOGGERS	Front and side windows
DOME LAMPS	Three dome lamps, with defeat switch and door-activated switches
DRIVER INFORMATION CENTER	See order guide
FLOOR COVERING	Full-length Black rubberized-vinyl
MIRROR	Inside rearview manual day/night
POWER OUTLETS	Two auxiliary on engine console with cover 12-volt
RADIO	AM/FM stereo, seek-and-scan, digital clock and 2 front door speakers
RESTRAINT SYSTEM	Dual stage driver and front passenger; side curtain head impact air bags[1] for front and rear seats
SEATS, FRONT	Vinyl high-back buckets, adjustable and reclining
SEATS, REAR	Vinyl trimmed rear bench seats and split 4 passenger last seat
SEATING	12 passenger seating
SPEEDOMETER/CLUSTER	Analog with speedometer, odometer with trip odometer, fuel level, volt meter, engine temperature and oil pressure
STEERING COLUMN	Tilt
THEFT DETERRENT	Vehicle theft PASS-Key® III

EXTERIOR FEATURES

BUMPER, FRONT	Painted, Black
BUMPER, REAR	Painted, Black with step pad
DOORS	Swing-out side, 60/40 split on passenger side only
GLASS	Solar-Ray, deep tinted; enhanced technology rear most side glass (All windows except light-tinted on windshield and driver and front passenger side glass, enhanced-technology, rear most side windows. 3-layer special glass is designed to help reduce the risk of ejection during a crash , swing-out rear cargo door windows, swing-out side door windows)
GRILLE	Black composite
HEADLAMPS	Single rectangular halogen
LAMPS	Daytime running
LICENSE PLATE KIT	Front
MIRRORS	Outside, rearview, manual, foldaway, Black
TIRE PRESSURE MONITOR	CHECK TIRE PRESSURE (no spare tire sensor)
WINDSHIELD WIPERS	Intermittent wet-arm with pulse washers

CHASSIS FEATURES

ALTERNATOR	105-amp with out rear A/C, 125-amp with rear A/C, 145-amp on 2LS model
BATTERY	600 cca with run-down protection and retained accessory power on 1LS model. Dual heavy-duty 770 cca standard on 2LS model
BRAKES	4-wheel disc, with 4-wheel anti-lock
ENGINE	Vortec 6.0L V8, SFI FlexFuel[2] on 1LS model. 6.6L V8 turbo diesel on 2LS model
EXHAUST	Aluminized stainless-steel muffler and tailpipe
FUEL TANK CAPACITY	31 gallon (117.3 liters)
MONITOR	Oil life
OIL COOLER	External transmission
STABILITRAK	Vehicle stability control
STEERING	Power
SUSPENSION, FRONT	Independent with coil spring and stabilizer bar
SUSPENSION, REAR	Hypoid drive axle with multi-leaf springs
TIRES	LT245/75R16E all-season, steel-belted radial, blackwall with full-size spare located under rear underbody
TIRE PRESSURE MONITOR	CHECK TIRE PRESSURE will show on driver message center
TRANSMISSION	6-speed automatic, heavy-duty, electronically controlled with overdrive and tow/haul mode and internal transmission oil cooler
WHEELS	16" x 6.5" steel includes Gray center cap and steel spare

1. Head curtain side air bags are designed to help reduce the risk of head and neck injuries to front and rear seat occupants on the near side of certain side-impact collisions. Always use safety belts and the correct child restraints for your child's age and size, even in vehicles equipped with air bags. Children are safer when properly secured in a rear seat. See your vehicle Owner's Manual and child safety seat instructions for more information.
2. E85 is 85% ethanol and 15% gasoline. To see if there is an E85 station near you, go to www.gmaltfuel.com/e85-station-locator.

POWERTRAIN

ENGINE					TRANSMISSION		AXLE	
MODEL	CODE	TYPE	DISPLACEMENT LITERS/CU. IN.	FUEL SYSTEM	STANDARD	TYPE	OPTION CODE	RATIO
1LS	L96 Vortec	V8	6.0L/366	SFI FlexFuel[2]	Automatic MXO	Automatic HD 6-speed	GU6	3.42
2LS	LGH Duramax	V8	6.6L/403	Turbo diesel	Automatic MXO	Automatic HD 6-speed	GHO	3.54

Note: Emission type must be ordered
FE9 - Federal YF5 - California NG1 - Northeast States

SEATS AND INTERIOR TRIM

		SEAT OPTIONS	EBONY	COLOR
STANDARD	Front: Vinyl trimmed high-back buckets, armrests and reclining Rear: Vinyl trimmed bench seat and split four passenger last seat	AR7	93W	Medium Pewter

Note: Vinyl trim only available in Medium Dark Pewter

EMISSIONS - MUST BE SPECIFIED

FE9	FEDERAL EMISSIONS. Use for ordering vehicles that will be registered in all states except California, Connecticut, Maine, Maryland, Massachusetts, New Jersey, New Mexico, New York, Oregon, Pennsylvania, Rhode Island, Vermont and Washington State
YF5	CALIFORNIA EMISSIONS. Use for ordering vehicles that will be registered in California.
NE1	CT/ME/MD/MA/NJ/NM/NY/OR/PA/RI/VT/WA EMISSIONS. Use for ordering vehicles that will be registered in Connecticut, Maine, Maryland, Massachusetts, New Jersey, New Mexico, New York, Oregon, Pennsylvania, Rhode Island, Vermont or Washington State
NB8	Required when option code FE9 "FEDERAL EMISSIONS" is ordered for delivery to a dealer located in California, Connecticut, Massachusetts, Maryland, New Jersey, New Mexico, New York, Oregon, Pennsylvania, Rhode Island and Washington State for a purchaser who will be registering the vehicle outside California, Connecticut, Maine, Maryland, Massachusetts, New Jersey, New Mexico, New York, Oregon, Pennsylvania, Rhode Island, Vermont and Washington State.
NC7	Required when option code YF5 "CALIFORNIA EMISSIONS" or option code NE1 "CT/ME/MD/MA/NJ/NM/NY/OR/PA/RI/VT/WA EMISSIONS" is ordered for delivery to a dealer located in any state except California, Connecticut, Maine, Maryland, Massachusetts, New Jersey, New Mexico, New York, Oregon, Pennsylvania, Rhode Island, Vermont and Washington for a purchaser who will be registering the vehicle in one of these states or sold as permitted below under "EPA Policy on the Sale of California Emission Vehicles"
NB9	Required when option code YF5 is ordered for delivery to a dealer located in Connecticut, Maine, Maryland, Massachusetts, New Jersey, New Mexico, New York, Oregon, Pennsylvania, Rhode Island, Vermont and Washington. Required when option code NE1 is ordered for delivery to a dealer located in California.
Requirements for Diesel Engines in Vehicles Over 14,000 lbs GVWR: Different requirements apply to vehicles weighing over 14,000 lbs GVWR that are equipped with diesel engines. These requirements impact the Chevrolet Express and GMC Savana Vans weighing over 14,000 lbs GVWR that are equipped with the 6.6-liter Duramax diesel engine (LMM). For these vehicles, a different set of states has adopted California emission requirements, specifically, California, Connecticut, Delaware, Georgia, Maine, New Jersey, North Carolina and Pennsylvania. And GM has established a different set of emission options for use by dealers as follows.	
CEJ	FEDERAL EMISSIONS. Use for ordering vehicles that will be registered in all states except California, Connecticut, Delaware, Georgia, Maine, New Jersey, North Carolina and Pennsylvania.
YF5	CALIFORNIA EMISSIONS. Use for ordering vehicles that will be registered in California. Note: No 14,200 lb product offering available except for models with option packages ANC, B3D, YF1, or YF2
CEI	CT/DE/GA/ME/NJ/NC/PA EMISSIONS. Use for ordering vehicles that will be registered in Connecticut, Delaware, Georgia, Maine, New Jersey, North Carolina and Pennsylvania. Note: No 14,200 lb product offering available except for models with option packages ANC, B3D, YF1, or YF2.
GM has also established a different set of emission overrides as follows.	
CEK	Required when option code CEJ "FEDERAL EMISSIONS" is ordered by a dealer located in California, Connecticut, Delaware, Georgia, New Jersey, North Carolina and Pennsylvania for a purchaser who will be registering the vehicle outside California, Connecticut, Delaware, Georgia, Maine, New Jersey, North Carolina and Pennsylvania. Do not use for vehicles that will be registered in California, Connecticut, Delaware, Georgia, Maine, New Jersey, North Carolina or Pennsylvania.
CEM	Required when option code YF5 "CALIFORNIA EMISSIONS" or option code CEI "CT/DE/GA/ME/NJ/NC/PA EMISSIONS" is ordered by a dealer located in any state except California, Connecticut, Delaware, Georgia, New Jersey, North Carolina and Pennsylvania.

2. E85 is 85% ethanol and 15% gasoline. To see if there is an E85 station near you, go to www.gmaltfuel.com/e85-station-locator.

AVAILABLE OPTIONS

C69	**AIR CONDITIONING, REAR** - Requires TR9 auxiliary lamps, includes C36 rear heater, U80 digital compass and KG3 145-amp alternator.
KG3	**ALTERNATOR, 145 AMPS** - Included with C69 rear air conditioning.
US8	**AUDIO SYSTEM** - AM/FM stereo with CD/MP3 player, seek-and-scan, digital clock, auto-tone control, Radio Data System (RDS), two front door speakers and two rear door speakers and two in the sound bar, requires ZQ2 Convenience Package.
U1C	**AUDIO SYSTEM** - AM/FM stereo with CD player, seek-and-scan, digital clock, theftlock, random select and 2 front door speakers, not available with NP5 leather wrapped steering wheel.
USR	**AUDIO SYSTEM FEATURE** - USB port, included and only available with US8 AM/FM stereo with MP3 compatible CD player
UA1	**BATTERY** - Heavy-duty 770 cca, maintenance-free with rundown
UPF	**BLUETOOTH FOR PHONE**[10] - Personal cell phone connectivity to vehicle audio system, requires UE1 OnStar[8], US8 AM/FM stereo with MP3 compatible CD player, U2K XM Radio[9], NP5 leather-wrapped steering wheel, W1Y steering wheel controls, ZQ3 Convenience Package. Not available with UE0 OnStar delete
V37	**BUMPERS** - Front and rear chrome with step pad (included with ZR7 Chrome Appearance Package)
ZR7	**CHROME APPEARANCE PACKAGE** - Includes V37 front and rear chrome bumpers with step-pad and V22 chrome grille with dual composite halogen headlamps
V10	**COLD CLIMATE PACKAGE** - Includes engine block heater (includes KO8 if ordered with 6.6L turbo diesel)
U80	**COMPASS** - 8-point digital located in the Driver Information Center, included and only available with C69 rear air conditioning.
BA3	**CONSOLE** - Deluxe with swing-out storage bin
ZQ2	**CONVENIENCE PACKAGE** - Power windows and door locks, includes AU3 power door locks and A31 power windows. Included with PDN Power and Light Package.
ZQ3	**CONVENIENCE PACKAGE** - Tilt-wheel and cruise control
K34	**CRUISE CONTROL** - Included and only available with ZQ3 Convenience Package, tilt-wheel and cruise control.
C49	**DEFOGGERS** - Rear window, requires tinted glass
YA2	**DOOR** - Sliding passenger, side (requires C69 rear air conditioning)
AU3	**DOOR LOCKS** - Power with lock-out protection (included with ZQ2 Convenience Package)
KO5	**ENGINE BLOCK HEATER** - Included and only available with V10 Cold Climate Package which requires L96 Vortec 6.0L V8 SFI FlexFuel[2] engine
B30	**FLOOR COVERING** - Full-floor color-keyed carpeting with front and rear rubberized-vinyl floor mats
V22	**GRILLE** - Chrome with dual composite halogen headlamps (included and only available with ZR7 Chrome Appearance Package)
KO8	**HEAT GENERATOR** - Auxiliary-fuel-operated supplemental heat source to cooling system to improve heat out put (included with V10 and LGH Duramax 6.6L turbo diesel)
C36	**HEATER, REAR AUXILIARY** - Included with C69 rear air conditioning.
UF3	**HIGH IDLE SWITCH** - Requires *G33*06, L96 Vortec 6.0L V8 SFI engine and ZQ3 Convenience Package.
TR9	**LAMPS** - Lamps, auxiliary with reading and underhood lamps, requires C69 rear air conditioning. Includes DH6 driver and front passenger visor vanity mirrors
DE5	**MIRRORS** - Outside, left hand and right hand, remote control electric, manual foldaway with defog feature (requires ZQ2)
DE7	**MIRRORS** - Outside heated power-adjustable, Black, manual-folding with integrated turn signal indicators, requires ZQ2 Convenience Package.
PDN	**POWER PACKAGE** - Includes ZQ2 Convenience Package and DE5 outside heated, power-adjustable, Black mirrors (upgradeable to DE7 outside heated, power-adjustable, Black mirrors with turn signal indicators)**.**
ATG	**REMOTE KEYLESS ENTRY** - Includes 2 transmitters and remote panic button
BTV	**REMOTE VEHICLE STARTER SYSTEM**- Includes remote keyless entry, 2 transmitters (requires ATG)
ZP3	**SEATS** - 15-passenger seating (2/3/3/3/4 seating configuration)
AS5	**SEATS** - Front bucket with custom cloth trim, head restraints and inboard armrests, requires (**G) interior trim. When ordering a seating arrangement that includes rear seats, includes rear bench seats with custom cloth trim. Head restraints are not available on rear bench seats
DT4	**SMOKER'S PACKAGE** - Includes ash tray and lighter
Z82	**TRAILERING SPECIAL EQUIPMENT** - Heavy-duty, included platform trailer hitch and 7-wire harness
DH6	**VISORS** - Driver and front passenger, padded with cloth trim and dual vanity mirrors, illuminated on passenger-side, included and only available with TR9 auxiliary lamps
40P	**WHEEL FINISH, PAINTED WHITE** - White-painted wheels in lieu of standard Gray-painted wheels
P03	**WHEEL TRIM** - Chrome center cap, upgradeable to P46 4 - 17" x 7.5" (43.2 cm x 19.1 cm) aluminum
A31	**WINDOWS** - Power included and only available with ZQ2 Convenience Package

2. E85 is 85% ethanol and 15% gasoline. To see if there is an E85 station near you, go to www.gmaltfuel.com/e85-station-locator.
8. Visit OnStar.com for coverage map, system limitations and details.
9. XM Radio requires a subscription, sold separately by XM after the trial period. Not available in Canada, Alaska or Hawaii. For more information, visit gm.xmradio.com.
10. Go to gm.com/bluetooth to find out which Bluetooth phones are compatible with the vehicle.

AVAILABLE EXTERIOR COLORS

Sheer Silver Metallic | *Sandstone Metallic | *Graystone Metallic | *Dark Blue Metallic | **Black | *Dark Green Metallic | Summit White | **Victory Red

Note: * Additional Charge ***** Not avaialble with B46 rear body-colored halo trim*** ***Actual colors may vary***

SEO PAINT AVAILABLE

WA#	COLOR DESCRIPTION	CODE
215D	Yellow	
253A	Wheatland Yellow	9W3
259L	Yellow	
451N	Blue	
478G	Yellow	
519F	Galaxy Silver Metallic	
529F	Bronzemist	
811K	Berry Red	
5456	Yellow	
7927	Green	
7941	Green	
8867	Silver Metallic	
9015	Woodland Green	9V5
9403	Doeskin Tan	9V9
9414	Yellow	
9417	Tangier Orange	9W4

Actual Color May Vary

Note: • All normally body-colored non-sheet metal parts, will be Flat Black

• SEO paint orders that contain less than five vehicles will be delayed until five unit minimum is received for batch production

GENERAL

Model	CG33406
Model	CG33706
Drive	Rear-wheel

EXTERIOR (in./mm)	CG33406 1LS/2LS Regular Wheelbase	CG33706 1LS/2LS Extended Wheelbase
Wheelbase	135.0/3429	155.0/3937
Overall length	224.1/5692	244.1/6200
Body width	79.4/2017	79.4/2017
Overall height	81.6/2073	82.0/2083
Front bumper to axle	39.7/1008	39.7/1008
Opening height, side door	47.9/1217	47.9/1217
Opening height, rear door	45.3/1157	45.7/1161
Opening width, sliding side door	44.1/1120	44.1/1120
Opening width, rear door, at beltline	57.0/1448	57.0/1448
Step up height, front door	19.4/493	19.3/490
Step up height, side door	20.2/513	20.0/508
Ground clearance, front	8.2/208	8.1/206
Ground clearance, rear	7.1/180	7.7/196

INTERIOR (in./mm)

Head room, 1st row	39.9/1013	39.9/1013
Head room, 2nd row	38.4/976	38.4/976
Head room, 3rd row	38.5/978.5	38.5/978.5
Head room, 4th row	38.1/968	38.1/968
Head room, 5th row		38.1/968
Shoulder room, 1st row	68.8/1748	68.8/1748
Shoulder room, 2nd row	68.6/1742	68.9/1750
Shoulder room, 3rd row	65.7/1670	65.7/1670
Shoulder room, 4th row	69.1/1755	69.1/1755
Shoulder room, 5th row	62.9/1597	62.7/1593
Hip room, 1st row	65.5/1663	65.5/1663
Hip room, 2nd row	66.6/1667	66.6/1667
Hip room, 3rd row	63.3/1607	63.3/1607
Hip room, 4th row	59.6/1514	59.6/1514
Hip room, 5th row		63.2/1605
Leg room, 1st row	41.3/1050	41.3/1050
Leg room, 2nd row	36.3/922	36.3/922
Leg room, 3rd row	36.6/929	36.6/929
Leg room, 4th row	39.8/1011	39.8/1011
Leg room, 5th row		36.4/925
Ground to top of rear load floor	27.7/704	27.3/693
Load floor length, to front seat, at floor	127.8/3246	147.8/3754
Load floor length, to engine cover, at floor	153.6/3901	173.6/4409
Inside width, between wheelhousing	50.4/1338	50.9/1293
Cargo area height	51.4/1306	51.5/1307

Published dimensions indicated are without optional equipment or accessories. Additional accessories or equipment order at customer's request can result in a minor change in these dimensions.

CAPACITY

Curb weight, lbs.[3] (kg)	6087/2761	7218/3280.9
Cargo volume, regular, with seats, cu. ft.[3] (liters)	204.0/5777.3	236.3/6692.0
Cargo volume, regular, with seats removed, cu. ft.[3] (liters)	270.4/7656.4	313.9/8889.8
Payload[6], lbs. (kg)	3461/1570	2630/ 1195.5
Gross Vehicle Weight Rating[5] (GVWR), lbs. (kg)	9600/4355	9900/4400
Front Gross Axle Weight Rating (FGAWR), lbs. (kg)	4600/2087	4600/2087
Rear Gross Axle Weight Rating (RGAWR), lbs. (kg)	6084/2760	6084/2760
Seating capacity (front/2nd/3rd/4th)	2/3/3/3	2/3/3/3/4*

ENGINE	1LS	2LS
Type	V8	V8
Displacement: liters/cu. in.	6.0/366	6.6/403
Horsepower/rpm	323 @ 4600	260 @ 3100
Torque lb.-ft./rpm	373 @ 4400	525 @ 1600
Fuel system	SFI	Turbo Diesel
Compression ratio	9.6:1	
Exhaust	Single	Single
Minimum recommended fuel octane	87	
Fuel tank capacity (gallons/liters)	31/117.3	31/117.3

TRANSMISSION

Automatic heavy-duty	4-speed	6-speed

AXLE

Ratio	3.42	3.54

BATTERY

Type	Maintenance free	Maintenance free
BCI group size	78	78
Volts	12	12
Amp hour rating	69	63
Cold cranking amps @ 0°F (-18°C)	600	Dual 770*
Reserve capacity @ 80°F (27°C)	115	115

Standard on 2LS with 6.6L Turbo Diesel

BRAKES

ABS hydra-boost	Disc/Disc	Disc/Disc
Front size	12.8 x 1.50	12.8 x 1.50
Rear size	13.0 x 1.14	13.0 x 1.14

TIRES

Type	All-season	All-season
Size	LT245/75R16	LT245/75R16

WHEELS

Type	Steel	Steel
Size	16" x 6.5"	16" x 6.5"

CHASSIS

Frame	Full length boxed frame	Full length boxed frame
Front suspension	Independent with coil spring and stabilizer bar	Independent with coil spring and stabilizer bar
Rear suspension	Hypoid driver axle with multi-leaf springs	Hypoid driver axle with multi-leaf springs
Steering type	Speed sensitive (EVO), variable ratio, integral power	Speed sensitive (EVO), variable ratio, integral power
Steering ratio (center/stop)	17.2:1	17.2:1

ALTERNATOR

Type Standard with rear AC	AD244	AD244
Amps	145	145
Amps @ idle	59	59

3. Cargo and load capacity limited by weight and distribution.
5. Gross Vehicle Weight Rating (GVWR). When properly equipped, includes vehicle, passengers, cargo and equipment.
6. Maximum payload capacity includes weight of driver, passengers, optional equipment and cargo.

Can specialty vehicle equipment (e.g. radar devices, video cameras, computers, meters, radio trees, shotguns, etc.) still be mounted in cars with passenger side air bags?

Yes, but care must be taken to mount the equipment outside of the deployment zone. Air bags inflate with great force and will interact with any object in the deployment zone. Therefore, to reduce the risk of injury to vehicle occupants, GM recommends that the air deployment zone be kept free of any equipment. If a piece of equipment were to become dislodged it could strike an occupant in the vehicle and result in injury. The likelihood of an object becoming dislodged is influenced by many factors, including the proximity of the object to the inflatable restraint, the size and shape of the object, and the means by which the object is secured to the vehicle. In addition to these factors, the trajectory and velocity of a dislodged object can be influenced by the type and severity of vehicle crash.

Objects that are in the deployment zone, but do not become dislodged by an inflating air bag can still affect the performance of the air bag. For example, such objects could tear the fabric or affect the shape of the air bag, thus reducing the ability of the bag to provide restraint.

Is it possible to shield equipment that is installed in the passenger side frontal air bag deployment zone in a manner that will allow full and safe air bag deployment?

Due to the complexity of influencing variables, GM is unable to evaluate the potential for shielding expected equipment configurations in all accident scenarios in order to assure that the air bag performance would be unaffected. While shielding may protect certain equipment from being damaged or dislodged, it may also negatively affect the inflation characteristics of the air bag. The air bag's shape, inflation angle, fold pattern, and inflation rate and pressure are developed to maximize the protection capability of the inflatable restraint system. Therefore, GM cannot recommend the placement of any equipment in the deployment zone, even if it is shielded to protect it from damage.

Front air bag systems and instrument panel mounted equipment.

Passenger air bags in GM vehicles deploy in different ways depending upon the type of vehicle and the particular instrument panel design.

In some vehicles, the passenger air bag deploys through a discrete door located on the top surface of the instrument panel (top-mount air bag systems). In other vehicles, such as the Chevrolet Tahoe, the passenger air bag deploys through a discrete door mounted on the vertical rearward surface of the instrument panel, above the glove box door (mid-mount air bag system). With these types of top-mount and mid-mount passenger air bag systems, the top pad of the instrument panel remains in place during deployment.

Some GM passenger air bag systems, like the system in the Chevrolet Impala, deploy from beneath the instrument panel top pad. These are considered 3/4-mount air bag systems with a "deployable top pad." The entire instrument panel top pad is the "deployment door" from under which the inflating air bag emerges. When an air bag deployment is commanded, the forces from the inflating passenger air bag push up on the instrument panel top pad, releasing special fasteners across the rearward edge of the top pad. This allows the top pad to rotate upward so that the passenger air bag may emerge. The top pad rotates upward to open widest at the right hand side, and is usually forced upward into contact with the windshield on the right hand side of the vehicle during a deployment.

Instrument panel top mounted special equipment, such as a radar antenna and control unit or video camera must be positioned to the left of the vehicle center line. This equipment must be mounted as low as possible and securely fastened to the top pad to avoid being dislodged in the event of a crash and possible air bag deployment. In the process of securely fastening special equipment to the top, DO NOT fasten down the top pad itself to any other vehicle component such as the cluster trim plate. As described above, the top pad rotates upward during a deployment. In order to enable the proper deployment of the passenger air bag, specialty equipment installation MUST NOT PREVENT the top pad from rotating upward during deployment. Location and attachment of special equipment should minimize added resistance or interference to upward rotation of the top pad during deployment.

Optional side air bags for crashes to the vehicle sides.

The air bag system in your police vehicle may include optional side air bags for front and rear occupants. Most front-to-rear side air bags are designed to deploy downward from the interior roof sides to the bottom of the door windows.

Can Specialty Vehicle Security Barriers be mounted within the side air bag deployment zones?

No. The side air bags inflate extremely fast because of the nature of side crashes to the vehicle. Mounting a security barrier behind the front seats with the ends placed within the side air bag deployment zones will result in unintended interaction between the barrier and the inflating side air bags. To reduce the risk of injury to the vehicle occupants, GM recommends that the side air bag zones be kept free of any customer installed equipment.

Customer furnished equipment installed to the vehicle roof.

Your police vehicle is designed with an interior roof cover system which includes internal components for the interior lamps and wiring. The roof system may also include optional side air bag components. Inflation devices may be mounted on the vehicle roof side behind the rear doors as well as air bag tethers retained to the windshield pillars. Care must be taken to avoid damage to these components or interference with their operation when installing roof mounted equipment such as emergency lamps and communication antennas.

Recommended GM service procedures must be followed to remove and re-install the instrument panel top pad to ensure that the top pad will release properly in the event of a passenger air bag deployment.

On the right half of the top pad closest to the passenger air bag module, GM recommends that no equipment be mounted. When mounting equipment on the driver side of the top pad, GM recommends that the total mass of the top pad mounted special equipment not exceed 8 pounds (3.6 kilograms), since the top pad tends to rotate about the left end.

Fasteners used to secure special equipment to the instrument panel top pad, the windshield glass, or to the windshield upper frame (header), should be selected to ensure that these devices will remain attached during a vehicle crash and possible air bag deployment.

Head curtain side air bags are designed to help reduce the risk of head and neck injuries to front and rear seat occupants on the near side of certain side-impact collisions. Always use safety belts and the correct child restraints for your child's age and size, even in vehicles equipped with air bags. Children are safer when properly secured in a rear seat. See your vehicle Owner's Manual and child safety seat instructions for more information.

Can the installation of push bumpers on the front end of the vehicle affect the deployment of the air bag?

General Motors is not aware of adverse effects during crash events from the many push bumpers that have been installed on GM police vehicles. Because there are many styles of push bumpers available with varying crash characteristics, installation of push bumpers may or may not affect deployment timing of the air bags. Push bumpers should be mounted to avoid modifying the vehicle structure and interfering with the front air bag sensors mounted on the upper radiator support cross member.

Two front impact sensors are installed in General Motors vehicles. Do not relocate or disconnect the front sensors. The location and orientation of the front sensors are critical for correct operation of the air bag system. Avoid mounting components on or near the sensors. Push bumper styles with vertical pushing members that are in fore-aft alignment with the front air bag sensors are not recommended.

How long will the air bag remain inflated?

It takes approximately 1/20th of a second to fully inflate the frontal air bags. This is faster than the blink of an eye. The air bags begin to deflate immediately, helping to stop the occupants more gradually.

Can the air bag system be re-used?

No. The air bags are designed to inflate only once. After inflation some new parts will be required. These will include the air bag module and possibly other parts. (A competent service technician with access to the vehicle's service manual and the required tools should replace the required components after a deployment crash.)

I've heard that the dusts that are released into the passenger compartment from the air bag are harmful. Is this true?

For most people, the only effect the dusts will produce is some irritation of the throat and eyes, and that is only if the occupant remains in the vehicle for many minutes after the air bag deployment with no ventilation and windows closed. However, some people with asthma may develop an asthmatic attack from inhaling the dusts. If this happens, they should first treat themselves the same way their doctor has advised them to treat any other asthma attack, and then immediately seek medical treatment.

When should an air bag inflate?

The driver's and right-front passenger's frontal air bags are designed to inflate in moderate to severe frontal or near-frontal crashes. But they are designed to inflate only if the impact speed is above the system's designed "threshold level."

In addition, if your vehicle has "dual stage" frontal air bags, these air bags tailor the amount of restraint according to crash severity. For moderate frontal impacts, the air bags inflate at a level less than full deployment. For more severe frontal impacts, "dual stage" frontal air bags deploy at full levels.

If the front of your vehicle goes straight into a wall that doesn't move or deform, the threshold level of the reduced deployment is about 12 to 16 mph (19 to 15 km/h), and the threshold level for a full deployment is about 18 to 24 mph (29 to 28.5 km/h). The threshold level can vary, however, with specific vehicle design, so that it can be somewhat above or below this range.

If your vehicle strikes something that will move or deform such as a parked car, the threshold level will be higher. The driver's and right-front passenger's frontal air bags are not designed to inflate in rollover, side impacts, or rear impacts, because inflation would not help the occupant.

Seat mounted side impact air bags are designed to inflate in moderate to severe side crashes. The side impact air bags will inflate if the crash severity is above the designed "threshold level." The threshold level can vary with specific vehicles design. The side impact air bags are not designed to inflate on frontal or near-frontal impacts or rear impacts, because inflation would not help the occupant.

Roof rail mounted head-curtain airbags are designed to inflate in moderate to severe side crashes. In addition, certain vehicles have head-curtain air bags which are also designed to inflate in situations where an impending rollover condition is identified by the vehicle's rollover sensing system and/or frontal or near-frontal impacts if the crash severity is above the designed "threshold level".

Safety belt pretensioners at the driver and front passenger seat positions are designed to deploy in frontal, near-frontal, side, and rear crashes that exceed the "threshold level" of crash severity to help reduce slack in the safety belt. Safety belt pretensioners will also deploy in impending rollover situations.

I've heard that a deployed air bag produces what appears to be smoke. Is the air bag hot?

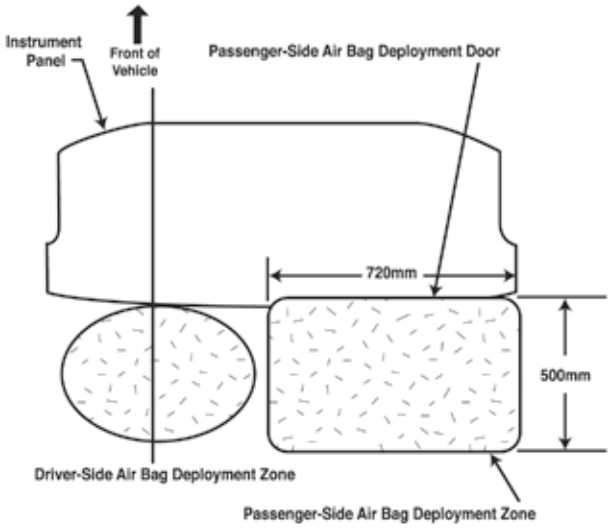
After the bag has deployed in a crash, the air bag itself will not be hot to touch. Some components within the air bag module will be hot for a short time. A small amount of smoke coming from a deployed air bag module is normal and should not be cause for concern.

Also, when the nitrogen gas is vented out of the air bag, small particles from inside the bag are also vented into passenger compartment. These airborne particles look like smoke and some particles are deposited as residue on and around the air bag.

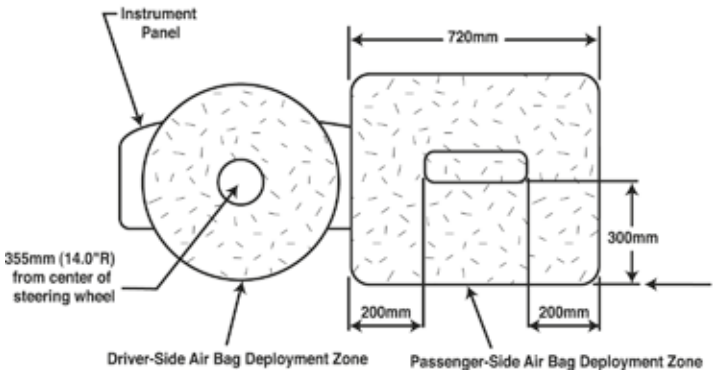
If my vehicle has air bags, why should I have to wear my safety belt?

Air bags are in many vehicles today and will be in most of them in the future. But they are supplemental systems only; so they work with safety belts - not instead of them. Every air bag system ever offered for sale has required the use of safety belts. Even if you're in a vehicle that has air bags, you still have to buckle up to get the most protection. That's true not only in frontal collisions but especially in side and other collisions.

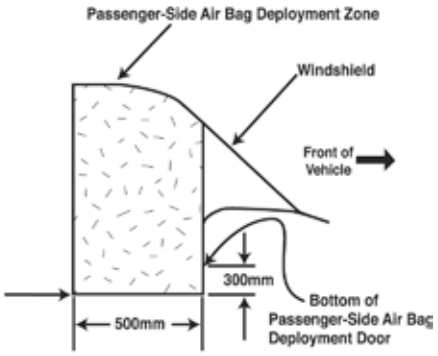
OVERHEAD VIEW



REAR VIEW

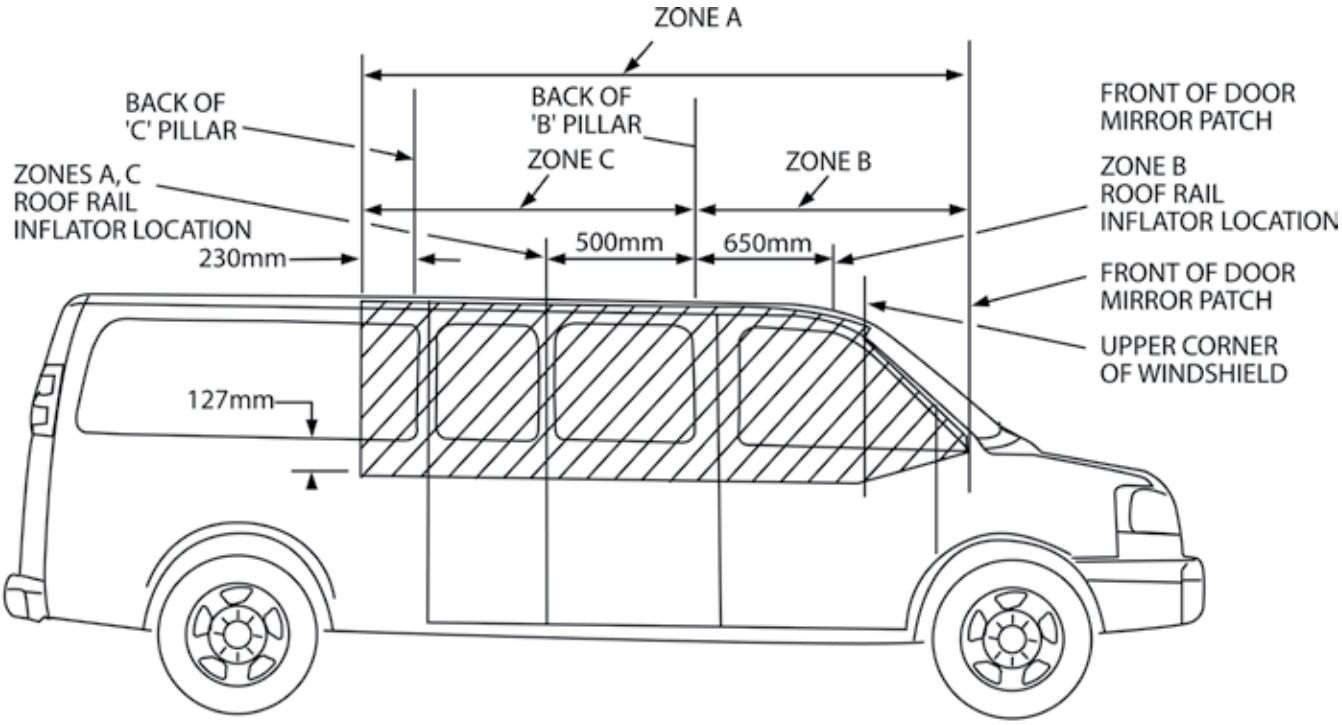


RIGHT SIDE VIEW



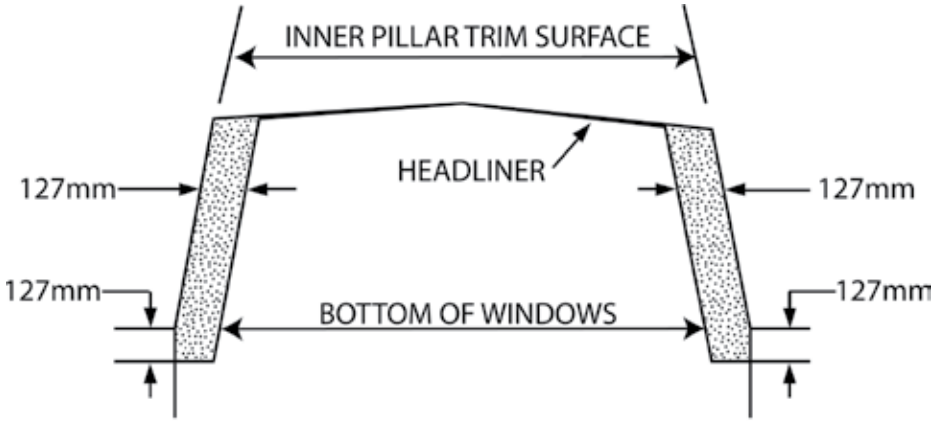
Head curtain side air bags are designed to help reduce the risk of head and neck injuries to front and rear seat occupants on the near side of certain side-impact collisions. Always use safety belts and the correct child restraints for your child's age and size, even in vehicles equipped with air bags. Children are safer when properly secured in a rear seat. See your vehicle Owner's Manual and child safety seat instructions for more information.

Note: All dimensions are approximate and subject to change.



LONG W.B. SHOWN, SHORT W.B. SIMILAR

AIR BAG ZONE	USAGE	VEHICLE DESCRIPTION
A	LH/RH	PASSENGER VAN WITH RH SIDE 60/40 SWING OUT DOOR
A	LH	PASSENGER VAN WITH RH SLIDING DOOR
B & C	RH	
B	LH/RH	CARGO/WORK VAN (DRIVER/FRONT PASSENGER ONLY)



ROOF RAIL AIR BAG DEPLOYMENT ZONES VIEWED FROM REAR

Head curtain side air bags are designed to help reduce the risk of head and neck injuries to front and rear seat occupants on the near side of certain side-impact collisions. Always use safety belts and the correct child restraints for your child's age and size, even in vehicles equipped with air bags. Children are safer when properly secured in a rear seat. See your vehicle Owner's Manual and child safety seat instructions for more information.

Note: All dimensions are approximate and subject to change.

GM offers Anti-Lock Brake Systems as standard or optional on all North American passenger vehicles and light truck lines. The computerized Anti-Lock Braking System (ABS) is designed to keep the vehicle's wheels rotating as the brakes are applied to assist the driver in achieving a controlled stop. Sensors monitor how fast the wheels rotate and feed the data continuously to the ABS computer. The vehicle's brakes slow each wheel as the brake pedal is applied. However, when ABS is activated due to road conditions, the system repeatedly releases and applies pressure to the brakes. The wheels can keep rolling, thus retaining steering ability and enhanced stability while providing a higher braking force on most surfaces than a locked wheel provides.

How exactly does ABS work?

In cars without ABS, hitting the brakes can cause the wheels to lock, leaving you unable to steer the vehicle until you decrease the pressure so the wheels can roll again. With an ABS, as you apply the brakes, the ABS computer monitors the wheel speed sensor information. If the computer senses that a wheel is approaching lock up, it sends a signal to the hydraulic modulator to reduce, then to reapply, brake pressure several times a second for as long as you maintain firm pressure on the brake pedal. The process is much like the threshold braking technique used with conventional brakes. However, ABS does it much faster and more accurately than any driver can, leaving you free to focus on steering away from obstacles.

Does ABS reduce stopping distances?

Yes, in braking situations where the wheels on a non-ABS equipped vehicle would lock up, ABS will generally provide shorter controlled stopping distance. The amount of improvement in stopping distance depends on many factors, including the road surface, severity of braking, initial vehicle speed, etc. On some surfaces, such as gravel roads, braking distances can be longer, but you will still have the control benefits of ABS. The important capability of ABS is control. ABS provides improved vehicle steerability and stability when braking.

What can affect the ABS advantage?

It is important that you follow the maintenance schedule recommended in the owner's manual of the vehicle, tires should be at their proper inflation level, the brake pads should be checked regularly, etc. While driving, you should sit comfortably, so that your hips are back in the seat and your knees are bent, even while braking. Your foot should be positioned so that your heel is on the floor and your toes are secure on the lower half of the pedal. And, though ABS may reduce stopping distance, remember: The faster you go, the longer it takes you to stop. Keeping a safe distance between you and the vehicle in front of you is always necessary, even with ABS.

What happens if ABS becomes inactive?

The ABS electronic control unit has on-board diagnostic capability. If a fault is detected, the vehicle will revert to the base brake system, and the ABS telltale on the dash will be illuminated. Should this happen, the vehicle should be taken to a dealership for repair as soon as possible.

How do I use ABS?

Depress and hold the pedal. DO NOT PUMP THE BRAKES (that prevents the system from working). Just hold the brake pedal down and let the ABS work for you. You may feel the brake pedal vibrate, or you may notice some noise, but this is normal as the system works for you.

Should I drive an ABS equipped vehicle differently than I would drive a vehicle with conventional brakes?

Most of the time, under normal driving circumstances, there is no difference, and you should always drive with the same caution and care. It is important to realize that ABS only makes a difference when it is activated—when you have to brake hard—and that would only be when the computer senses that a wheel is approaching lock up. When ABS activates keep steady pressure on the brake pedal and then let the ABS work for you. Don't pump the brakes or try to find the threshold. Simply hold the brake pedal down and steer if necessary to avoid an obstacle.

Is ABS always active?

ABS is always available, but not always activated. ABS is activated only when the brake pedal is applied and the computer detects an impending wheel lock condition.

Can older cars be retrofitted with ABS?

No! The brake system is one of the most important features on any passenger vehicle.

Several products, which tap into the master cylinder and/or brake system performance, are being sold in the aftermarket. Some of these products imply performance similar to new vehicle anti-lock brake systems.

However, contrary to their claims, add-on systems, which deplete fluid from the master cylinder on brake apply may actually increase a vehicle's stopping distance. This may cause the vehicle to fail to comply with Federal brake standards.

Does ABS always activate at the same speed?

No, the system operates when the computer detects wheel lockup, at any speed above 8 mph.

Will ABS wear out a vehicle's brakes sooner?

A properly maintained brake system will be unaffected by ABS operation under typical driving conditions.

Are there different types of ABS?

Yes, there are rear wheel anti-lock systems (RWAL) used on some trucks and four-wheel ABS available on cars and trucks.

Do Federal Safety Standards mandate ABS?

No. Federal standards establish minimum braking performance requirements that all vehicles must meet, but do not specify how they should be met. It should be noted that even a vehicle with failed ABS meets the Federal safety standard for stopping distances.

Will a tire size change affect ABS?

Use of tires other than original equipment may affect ABS performance. Owners should consult and follow the recommendations contained in the vehicle owner's manual regarding replacement tire size. ***Note: ABS will work with original equipment spare tire or tire chains. However, performance is reduced.***

Do insurance companies give a discount for ABS?

Yes, many insurance companies give discounts that range from 5% to 10%. In the states of New York and Florida all insurance companies are required to give an ABS discount of 5% on certain coverages such as bodily injury, property damage, collision, and personal injury protection. In other states the discount varies from insurance company to insurance company. When buying auto insurance, always ask your insurance agent if his/her company gives a discount for vehicles equipped with anti-lock brakes.

Note: All dimensions are approximate and subject to change.

IMPORTANT DRIVING SAFETY TIPS

A. **Always maintain a safe following distance.** ABS does not allow you to stop on a dime. (Generally a 2-second following distance is considered safe in ideal conditions.) Watch the vehicle in front of you pass a fixed marker (such as a sign). Count seconds—one-thousand-one, one-thousand-two-until your front bumper reaches the marker. If you do not count out two seconds, then you are too close to the vehicle in front of you. Also, if the roads are wet or icy, or visibility is poor, you should increase your following distance.

B. **Always drive carefully—** especially on slippery surfaces. ABS cannot create friction between the tires and the road surface, it can only give the driver the maximum advantage of the existing adhesion. If the vehicle is traveling on a surface with no adhesion, the best ABS in the world cannot provide a shorter stopping distance or good steering.

C. **It is a good idea to practice an ABS activated stop** and get the feel of the brake pedal. However, please make sure it's at a safe time with no obstacles in your path. And you only really need to try it once or twice to know what happens.

STABILITY ENHANCEMENT SYSTEMS (StabiliTrak)

Stability enhancement system (StabiliTrak) assists the driver with directional control of the vehicle in difficult driving conditions. Each time the vehicle is started, the StabiliTrak system is fully ON. StabliliTrak can be controlled by a StabiliTrak button on the instrument panel. The condition of the system is displayed by an instrument panel StabiliTrak indicator light and Driver Information Center (DIC) messages. See your owner's manual for additional information about the operation of StabiliTrak.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UPDATES FOR 2011

New Features

- (GHA) Mocha Steel Metallic exterior color

Deletions

- (46U) Blue Granite Metallic exterior color

Note: This vehicle is NOT designed nor intended for use IN HIGH SPEED EMERGENCY VEHICLE OPERATIONS

MODEL AVAILABILITY

CC10906	Rear-wheel drive 1/2 ton
CC20906	Rear-wheel drive 3/4 ton
CK10906	4-wheel drive 1/2 ton
CK20906	4-wheel drive 3/4 ton

STANDARD EQUIPMENT SUMMARY

WARRANTY	3 years / 36,000 miles bumper-to-bumper (whichever comes first, see dealer for details) 5 years / 100,000 miles limited powertrain (whichever comes first, see dealer for details)

INTERIOR FEATURES

AIR CONDITIONING	Tri-zone manual climate control with individual climate settings for driver and right-front passenger; includes auxiliary rear air conditioning and heat
ASSIST HANDLES	Front passenger and second row outboard; front passenger assist handle is deleted when passenger side spotlamp is ordered
CONSOLE, OVERHEAD	Mini with map lamps
CRUISE CONTROL	Electronic with set and resume speed
DOME LAMPS	Interior dome lamp, driver and passenger side door switch with delayed entry feature, cargo lamps, remote keyless entry activated illuminated entry and map lamps in front and second seat position
FLOOR COVERING	Black rubberized-vinyl (not available with B39 cargo mat)
GLASS	Deep tinted (all windows except light-tinted glass on windshield, driver and front passenger side glass)
MIRROR	Inside rearview auto-dimming
ONSTAR	Delete option available
POWER OUTLETS	12-volt, two located on instrument panel and one in rear cargo area
RADIO	AM/FM stereo with MP3 compatible CD player, seek-and-scan, digital clock, auto-tone control, Radio Data System (RDS), six speakers, speed-compensated volume and theftlock
RESTRAINT SYSTEM	Safety belts and air bags[1] with dual stage frontal, driver and right-front passenger with front passenger sensing system; first and second row outboard seating position head curtain side-impact air bags[1] with rollover sensor; includes 3rd row seating position when 3-passenger third row 50/50 split-bench option AS3 is ordered
SEAT, FRONT	Split-bench 40/20/40 with custom cloth 3-passenger, includes 6-way power driver seat adjuster with manual lumber control, driver and passenger manual reclining, outboard head restraints, center fold-down covered storage in armrest, center lower seat cushion storage and rear storage pockets
SEAT, REAR	Custom cloth 60/40 split folding bench with center armrest
SEAT, THIRD ROW	50/50 split-bench 3-passenger with premium cloth, safety belts, removable seat
SPEEDOMETER/CLUSTER	120 mph analog speedometer, trip odometer, fuel level, volt meter, engine temperature oil pressure and tachometer
STEERING COLUMN/WHEEL	Tilt-wheel, adjustable, with brake/transmission interlock
THEFT DETERRENT	Vehicle theft PASS-Key® III+, content theft deterrent is disabled (to enable content theft deterrent option UA6 must be ordered)
VISORS	Padded with cloth trim, extends on rod; driver and front passenger illuminated vanity mirrors
WARNING TONES	Headlamp on, key-in-ignition, driver and right-front passenger safety belt unfasten and turn signal on
WINDOW OPERATION	Power with driver express-down and lockout features

1. Head curtain side air bags are designed to help reduce the risk of head and neck injuries to front and rear seat occupants on the near side of certain side-impact collisions. Always use safety belts and the correct child restraints for your child's age and size, even in vehicles equipped with air bags. Children are safer when properly secured in a rear seat. See your vehicle Owner's Manual and child safety seat instructions for more information.

EXTERIOR FEATURES

ASSIST STEPS	Black, mounted between front and rear wheels
DEFOGGER	Electric, rear window
DOOR HANDLES	Black
DOOR LOCKS	Power programmable with lockout protection, door lock cylinder no longer available on passenger front door and rear liftgate
FASCIA, FRONT	Color – keyed (Black when special paint is ordered)
FASCIA, REAR	Color – keyed (Black when special paint is ordered)
HEADLAMPS	Dual halogen composite with automatic exterior lamp control and flash-to-pass feature
KEYLESS ENTRY	Includes two transmitters
KEYS	Single two-sided, random code, for ignition and drivers door only
LUGGAGE RACK	Roof mounted Black side rails (center rails and luggage rack delete are available)
MIRRORS	Outside heated power-adjustable, manual-folding, Black
REAR LIFTGATE	Liftgate/liftglass, with rear window washer and wiper (power liftgate not available)
RECOVERY HOOKS	Two front, chrome
WINDSHIELD WIPERS	Intermittent wet-arm with flat blade and pulse washers

CHASSIS FEATURES

ALTERNATOR	145-amp on 3/4 ton 160-amp on 1/2 ton models and with VYU Snow Plow Prep Package on 4-wheel drive 3/4 ton models; not available on 2-wheel drive 3/4 ton models
BATTERY	Heavy-duty 600 cca, maintenance-free, rundown protection and retained accessory power
BRAKES	4-wheel antilock, 4-wheel disc, vac power 1/2 ton models only; 4-wheel antilock, 4-wheel disc with hydro boost 3/4 ton models only
ENGINE	See engine, transmission and axle chart on page 4
FRAME	Modular with hydro formed frame rails
FUEL TANK CAPACITY	31 gallon (117.3 liters) on 1/2 ton models and 39 gallon (148 liters) on 3/4 ton models
OIL COOLERS	Auxiliary transmission oil cooler, heavy-duty air-to-oil (requires 3.42 axle ratio on 1/2 ton models) standard with 3/4 ton models
STABILITRAK	Vehicle stability control system with proactive roll avoidance
STEERING	Power, rack and pinion
SUSPENSION, FRONT	Coil-over-shock with stabilizer bar 1/2 ton models only; independent with torsion bar 3/4 ton only
SUSPENSION, REAR	Multi-link with coil springs 1/2 ton model only; multi-stage leaf springs 3/4 ton models only
TIRES	See tire and wheel chart on page 5
TIRE PRESSURE MONITOR	CHECK TIRE PRESSURE will show on Driver Information Center (no sensor in spare tire)
TIRE, SPARE	See tire chart on page 5
TIRE, SPARE CARRIER	Lockable outside, winch-type mounted under frame at rear
TRAILERING EQUIPMENT	Heavy-duty includes trailering hitch platform, 7-wire harness with independent fused trailering circuits mated to a 7-way sealed connector and VR4 2-inch trailering receiver
TRANSFER CASE	Active single-speed, electronic autotrac with rotary controls, does not include Neutral (N). Cannot be dinghy towed, requires GU4 3.08 rear axle. Not available on 2WD models, 3/4 ton models or with K5L heavy-duty trailering package (2-speed transfer case is available)
TRANSMISSION	6-speed automatic, see engine, transmission and axle chart on page 4
WHEELS	See wheel and tire chart on page 5

COMMERCIAL FLEET PACKAGE OPTION 1FL

ENGINE/AXLE

S = Standard Equipment A = Available – (dashes) = Not Available

MODEL	ENGINE	TRANSMISSION		AXLE			GVWR lbs. (kg)		
		MYC 6-SPEED AUTOMATIC	MYD 6-SPEED AUTOMATIC HD	GU4 3.08	GU6 3.42	GT4 3.73	C5Z 7200 (3266)	C6C 7400 (3357)	C6P 8600 (3901)
CC10906	LMG Vortec 5.3L V8 SFI FlexFuel[2]	S	—	S	A	—	S	—	—
CK10906	LC9 Vortec 5.3L V8 SFI FlexFuel[2]	S	—	S	A	—	—	S	—
CC20906	L96 Vortec 6.0L VVT V8 SFI FlexFuel[2]	—	S	—	—	S	—	—	S
CK20906	L96 Vortec 6.0L VVT V8 SFI FlexFuel[2]	—	S	—	—	S	—	—	S

Note: Emission type must be ordered
FE9 - Federal YF5 - California NG1 - Northeast States

TRAILERING SPECIFICATIONS

AUTOMATIC TRANSMISSION RATINGS WITH BALL HITCH

MODEL	(LMG) VORTEC 5.3L V8 SFI FLEXFUEL[2]		(LC9) VORTEC 5.3L V8 SFI FLEXFUEL[2]		(L96) VORTEC 6.0L V8 GAS SFI FLEXFUEL[2]	
	AXLE RATIO	MAXIMUM TRAILER WEIGHT LBS.[7] (KG)	AXLE RATIO	MAXIMUM TRAILER WEIGHT LBS.[7] (KG)	AXLE RATIO	MAXIMUM TRAILER WEIGHT LBS.[7] (KG)
CC10906	3.08	5100 (2313)	—	—	—	—
	3.42	5600 (2540)	—	—	—	—
CC10906*	3.42	8100 (3674)	—	—	—	—
CK10906	—	—	3.42	5500 (2495)	—	—
CK10906*	—	—	3.42	8000 (3629)	—	—
CC20906	—	—	—	—	3.73	9600 (4354)
CK20906	—	—	—	—	3.73	9400 (4264)

**** with K5L***

GCWR - ENGINE/REAR RATIO COMBINATION WITH AUTO TRANS

ENGINE	(GCWR) GROSS COMBINATION WEIGHT RATINGS LBS. (KG)		
	11000 (4989)	14000 (6350)	16000 (7257)
(LMG) Vortec 5.3L V8 SFI FlexFuel[2]	3.08	3.42	—
(LC9) Vortec 5.3L V8 SFI FlexFuel[2]	—	3.42	—
(L96) Vortec 6.0L Variable Valve Timing V8 SFI FlexFuel[2]	—	—	3.73

2. E85 is 85% ethanol and 15% gasoline. To see if there is an E85 station near you, go to www.gmaltfuel.com/e85-station-locator.
7. Maximum trailer weight ratings are calculated assuming a base vehicle, except for any option(s) necessary to achieve the rating, plus driver. The weight of other optional equipment, passengers and cargo will reduce the maximum trailer weight your vehicle can tow.

TIRES AND WHEELS

ROAD TIRES

CODE	SIZE	DESCRIPTION	SIDE WALL	USAGE	MODELS
QAN	P265/70R17	All-season	Blackwall	Standard	1/2 ton 2 or 4WD
QJP	P265/70R17	On/off-road	Blackwall	Optional	1/2 ton 4WD
QIZ	LT245/75R16E	All-season	Blackwall	Standard	3/4 ton 2WD
QIZ	LT245/75R16E	All-season	Blackwall	Optional	3/4 ton 4WD
QIW	LT245/75R16E	On/off-road	Blackwall	Standard	3/4 ton 4WD
QIW	LT245/75R16E	On/off-road	Blackwall	Optional	3/4 ton 2WD
QXT	LT265/70R17E	All-terrain	Blackwall	Optional	3/4 ton (requires P25 wheels)

SPARE TIRES

CODE	SIZE	DESCRIPTION	SIDE WALL	USAGE	MODELS
ZRS	P265/70R17	All-season	Blackwall	Standard	1/2 ton
ZIZ	LT245/75R16	All-season	Blackwall	Standard	3/4 ton
ZER	LT265/75R16E	On/off-road	Blackwall	Optional	3/4 ton (requires QXT tires)
4JP	P265/70R17	On/off-road	Blackwall	Optional	1/2 ton (requires QJP tires)
4GK	LT245/75R16E	On/off-road	Blackwall	Optional	3/4 ton 4WD (requires QIW tires)

ROAD WHEELS

CODE	SIZE	DESCRIPTION	SIDE WALL	USAGE	MODELS
NX7	17" x 7"	4 – steel	Steel	Standard	1/2 ton
P46	17" x 7.5"	4 – 5 spoke	Aluminum	Optional	1/2 ton
QB5	16" x 6.5"	4 – steel	Steel	Standard	3/4 ton
P25	17" x 7.5"	4 – 8 lug	Aluminum	Optional	3/4 ton

SPARE WHEELS

CODE	SIZE	DESCRIPTION	SIDE WALL	USAGE	MODELS
NZ4	17"	One – steel	Steel	Standard	1/2 ton
NZ3	16"	One – steel	Steel	Standard	3/4 ton

Note: Polished forged aluminum, includes chrome center caps and steel spare

SEATS AND INTERIOR TRIM

S = Standard Equipment A = Available -- (dashes) = Not Available

DECOR LEVEL	SEAT TYPE	SEAT CODE	SEAT TRIM	INTERIOR		
				EBONY	LIGHT TITANIUM/ DARK TITANIUM[1]	DARK CASHMERE/ LIGHT CASHMERE[1]
STANDARD COMMERCIAL (1FL)	Front: 40/20/40 reclining split-bench	AZ3	Premium cloth	19C	33C	—
AVAILABLE COMMERCIAL (1FL)	Front: 40/20/40 reclining split-bench	AZ3	Vinyl	19V	—	—
OPTIONAL COMMERCIAL (1FL)	Front: high-back reclining bucket	A95	Premium cloth	19C	33C	—

EXTERIOR SOLID PAINT	COLOR CODE	TOUCH UP PAINT NUMBER	INTERIOR		
			EBONY	LIGHT TITANIUM/ DARK TITANIUM†	DARK CASHMERE/ LIGHT CASHMERE†
Black	41U	WA-8555	A	A	A
Mocha Steel Metallic	GHA	WA-7065	A	A	A
Summit White	50U	WA-8624	A	A	A
Gold Mist Metallic	51U	WA-316N	A	—	A
Red Jewel Tintcoat	80U	WA-301N	A	A	A
Taupe Gray Metallic	GGW	WA-7075	A	A	A
Sheer Silver Metallic	GGZ	WA-7265	A	A	A

† - Interior color has lighter/darker two-tone effect.

AVAILABLE EXTERIOR COLORS

Actual colors may vary

SEO PAINT AVAILABLE

WA#	COLOR DESCRIPTION	CODE
253A	Wheatland Yellow	9W3
722J	Dark Blue Metallic	
5665	Blue	
7941	Green	
9015	Woodland Green	9V5
9260	Victory Red	5T4
9403	Doeskin Tan	9V9
9414	Yellow	
9417	Tangier Orange	9W4

ACTUAL COLOR MAY VARY

Note: *• All normally body-colored, non-sheet metal parts, will be Flat Black (except Victory Red non-sheet metal parts will match)*
• SEO paint orders that contain less than five vehicles will be delayed until five unit minimum is received for batch production

SPECIAL PAINT ALSO AVAILABLE THROUGH KERR INDUSTRIES

- Special paint is also available for PPV and 5W4 Tahoes
- This work is done as part of the Kerr Industries dealer direct program
- A minimum order is not required with this program. Please see the Kerr Industries CD for further details or you can contact Kerr Industries at 905-725-6561 to discuss your requirements

AVAILABLE OPTIONS

K47	**AIR CLEANER** - High capacity
KW1	**ALTERNATOR** - 160-amps (standard on 1/2 ton models; included and only available with VYU Snow Plow Prep Package on 4-wheel drive 3/4 ton models; not available on 2-wheel drive 3/4 ton model
JL1	**BRAKE CONTROLLER** - Integrated trailer
D07	**CONSOLE** - Floor storage area and cup holders (included and only available with A95 front custom cloth bucket seats)
UTQ	**CONTENT THEFT ALARM DISABLE** - Flashing lamps and horn warning
KNP	**COOLING** - Auxiliary transmission oil cooler (standard on 3/4 ton. Included and only available with K5L HD Trailerling Package[7] on 1/2 ton)
KC4	**COOLING** - External engine oil cooler (standard on 3/4 ton. Included and only available with K5L HD Trailerling Package[7] on 1/2 ton)
G80	**DIFFERENTIAL** - Heavy-duty locking rear
K05	**ENGINE BLOCK HEATER**
B30	**FLOOR COVERING** - Color-keyed carpeting (includes B58 color keyed floor mats)
VAV	**FLOOR MATS, ALL WEATHER** - First and second row, requires B30 color-keyed carpeting. Not available with AZE front 40/20/40 split-bench on 2WD models. (LPO, dealer installed)
VKN	**FLOOR MATS, ALL WEATHER** - Third row, requires B30 color-keyed carpeting and AS3 third row 50/50 split-bench seats. Not available with AZE front 40/20/40 split-bench on 2WD models. (LPO, dealer installed)
T96	**FOG LAMPS** - Front, halogen
ANJ	**GLASS** - Non-deep tinted
K5L	**HEAVY-DUTY TRAILERING PACKAGE**[7] - Includes auxiliary transmission oil cooler and external engine oil cooler, (1/2 ton model only. Includes 3.42 ratio rear axle)
V1K	**LUGGAGE RACK CENTER RAILS** - Roof mounted, Black
G63	**LUGGAGE RACK** - Delete
VLI	**MAT, REAR CARGO** - Requires B30 color-keyed carpeting. Not available with ATD third row seat delete. (LPO, dealer installed)
B58	**MATS** - Color-keyed carpeted first and second row, removable (included and only available with B30 floor covering)
DPN	**MIRRORS** - Outside heated power-adjustable vertical camper; manual-folding, extension and integrated turn signal indicators
UE0	**ONSTAR** - Delete
VBS	**REMOTE, 2-WAY ADVANCED** - (LPO, dealer installed)
AP3	**REMOTE VEHICLE STARTER SYSTEM** - Includes remote keyless entry
UD7	**REAR PARKING ASSIST** - Ultrasonic with led display and audible warning (requires JF4 power-adjustable pedals)
V76	**RECOVERY HOOKS** - Front, frame mounted (standard on 3/4 ton models)
TRW	**ROOF MOUNTED LAMP** - Provisions (included with VYU Snow Plow Prep Package)
NZZ	**SKID PLATE PACKAGE** - Requires 4-wheel drive model, includes aluminum front underbody shield starting behind front bumper and running to first cross-member, protecting front underbody, oil pan, differential case and transfer case, frame-mounted shield, requires 4-wheel drive model
VYU	**SNOW PLOW PREP PACKAGE** - 4-wheel drive 3/4 ton models, includes instrument panel switch, roof beacon wiring, forward lamp wiring and torsion bar (includes TRW roof mounted lamp provisions)
NQH	**TRANSFER CASE** - Active 2-speed electronic autotrac with rotary controls includes neutral position for dinghy towing, requires 4WD models included with K5L heavy-duty trailer package or 3/4 ton models

SPECIAL EQUIPMENT OPTIONS AVAILABLE

9L4	**ACCESSORY POWER SUPPLY, 12-VOLT** - 12-volt direct power supply from the battery with two (2) separate 30-amp fused circuits; each circuit has a 30-amp mini fuse for both positive and ground to protect electrical accessories; main supply lead has a 60-amp meg fuse; all fuses are serviceable; provides either direct battery power or operation through the ignition system; hook-up wire is located at the front of the floor console; operational amperage is 21-amps each circuit, 42-amps total; hookup and operational information is provided; requires: PEG 1FL; not available with U2K digital radio, UE1 OnStar, U42 rear DVD and D07 center console and JF4 power-adjustable pedals
6C5	**BATTERY** - Single heavy-duty 730 cca (replaces base 600 cca battery)
5T4	**EXTERIOR BODY-COLORED PARTS** - Victory Red with special paint WA9260; Victory Red painted front and rear fascias, rear liftgate handle and rear license plate applique, body side moldings and door handles. Required with Victory Red special paint WA9260
9N5	**FLOOR CONSOLE DELETE** - Deletes floor console and associated audio equipment that is included with premium cloth high-back buckets seats; requires: PEG 1FL and RPO A95 bucket seats
8X1	**LABEL, FASTEN SAFETY BELTS** - On Left hand and right hand front door window glass

7. Maximum trailer weight ratings are calculated assuming a base vehicle, except for any option(s) necessary to achieve the rating, plus driver. The weight of other optional equipment, passengers and cargo will reduce the maximum trailer weight your vehicle can tow.

SPECIAL EQUIPMENT OPTIONS AVAILABLE (CONTINUED)

9G3	**OFF-ROAD SUSPENSION** - Off-road suspension 4x4 commercial or low uplevel décor; includes Z71, off-road suspension components, skid plate and high capacity air cleaner; does not include body side "Z71" decals; requires: model K10906 option QJP P265/75R17 on-off road tires PEG 1FL Suburban 1LS or 1LT Uplevel Package and a fleet or government type order
5T5	**SEATS, CLOTH FRONT VINYL REAR** - Vinyl 2nd row rear seats and cloth front seats; if AS3 third row seat is ordered, it will be vinyl. Requires: AZ3 front custom cloth 40/20/40 bench seat or A95 front custom cloth high-back bucket seat, trim code 19D Ebony and PEG 1FL
9S1	**SEATS, DRIVER AND PASSENGER FRONT INDIVIDUAL SEATS IN VINYL TRIM** - Derived from RPO AE7 40/20/40 split-bench with center 20% section removed; seats are manual, not power; does not include floor console; exposed floor areas will remain untrimmed; rear seats will also be vinyl trimmed; requires trim code 19V Ebony and PEG 1FL

EMISSIONS - MUST BE SPECIFIED

FE9	FEDERAL EMISSIONS. Use for ordering vehicles that will be registered in all states except California, Connecticut, Maine, Maryland, Massachusetts, New Jersey, New Mexico, New York, Oregon, Pennsylvania, Rhode Island, Vermont and Washington State
YF5	CALIFORNIA EMISSIONS. Use for ordering vehicles that will be registered in California.
NE1	CT/ME/MD/MA/NJ/NM/NY/OR/PA/RI/VT/WA EMISSIONS. Use for ordering vehicles that will be registered in Connecticut, Maine, Maryland, Massachusetts, New Jersey, New Mexico, New York, Oregon, Pennsylvania, Rhode Island, Vermont or Washington State
NB8	Required when option code FE9 "FEDERAL EMISSIONS" is ordered for delivery to a dealer located in California, Connecticut, Massachusetts, Maryland, New Jersey, New Mexico, New York, Oregon, Pennsylvania, Rhode Island and Washington State for a purchaser who will be registering the vehicle outside California, Connecticut, Maine, Maryland, Massachusetts, New Jersey, New Mexico, New York, Oregon, Pennsylvania, Rhode Island, Vermont and Washington State.
NC7	Required when option code YF5 "CALIFORNIA EMISSIONS" or option code NE1 "CT/ME/MD/MA/NJ/NM/NY/OR/PA/RI/VT/WA EMISSIONS" is ordered for delivery to a dealer located in any state except California, Connecticut, Maine, Maryland, Massachusetts, New Jersey, New Mexico, New York, Oregon, Pennsylvania, Rhode Island, Vermont and Washington for a purchaser who will be registering the vehicle in one of these states or sold as permitted below under "EPA Policy on the Sale of California Emission Vehicles"
NB9	Required when option code YF5 is ordered for delivery to a dealer located in Connecticut, Maine, Maryland, Massachusetts, New Jersey, New Mexico, New York, Oregon, Pennsylvania, Rhode Island, Vermont and Washington. Required when option code NE1 is ordered for delivery to a dealer located in California.

	CC10906 2WD 1/2 Ton	CK10906 4x4 1/2 Ton	CC20906 2WD 3/4 Ton	CK20906 4x4 3/4 Ton
SPECIFICATIONS (in./mm)				
Wheelbase	130.0/3302	130.0/3302	130.0/3302	130.0/3302
Overall length	222.4/5649	222.4/5649	222.4/5649	222.4/5649
Body width	79.1/2009	79.1/2009	79.1/2009	79.1/2009
Overall height	76.8/1951	76.8/1951	76.8/1951	76.8/1951
Head room, front	41.1/1044	41.1/1044	41.1/1044	41.1/1044
Head room, center	38.5/978	38.5/978	38.5/978	38.5/978
Head room, rear	38.1/968	38.1/968	38.1/968	38.1/968
Shoulder room, front	65.3/1659	65.3/1659	65.3/1659	65.3/1659
Shoulder room, center	65.2/1656	65.2/1656	65.2/1656	65.2/1656
Shoulder room, rear	64.7/1643	64.7/1643	64.7/1643	64.7/1643
Hip room, front	64.4/1636	64.4/1636	64.4/1636	64.4/1636
Hip room, center	61.8/1570	61.8/1570	61.8/1570	61.8/1570
Hip room, rear	49.4/1255	49.4/1255	49.4/1255	49.4/1255
Leg room, front	41.3/1049	41.3/1049	41.3/1049	41.3/1049
Leg room, center	39.5/1003	39.5/1003	39.5/1003	39.5/1003
Leg room, rear	34.9/886	34.9/886	34.9/886	34.9/886
Ground to top of rear load floor	31.8/808	32.6/828	31.8/808	32.6/828
Load floor length, to front seat, at floor	101.8/2586	101.8/2586	101.8/2586	101.8/2586
Load floor length, to center seat, at floor	69.6/1768	69.6/1768	69.6/1768	69.6/1768
Load floor length, to rear seat, at floor	35.6/904	35.6/904	35.6/904	35.6/904
Inside width, between wheelhousing	49.1/1247	49.1/1247	49.1/1247	49.1/1247
Cargo area height	41.4/1052	41.4/1052	41.4/1052	41.4/1052
Ground clearance, front	10.5/267	10.5/267	10.5/267	10.5/267
Ground clearance, rear	9.1/231	9.1/231	9.1/231	9.1/231
Front shock absorber diameter	1.81/46	1.81/46	1.38/35	1.38/35
Front stabilizer bar diameter	1.41/36	1.41/36	1.40/36	1.40/36
Rear shock absorber diameter	1.81/46	1.81/46	1.38/35	1.38/35
Rear stabilizer bar diameter	1.10/28	1.10/28	—	—
Turning diameter, curb-to-curb, ft. (m)	43.0/13.1	43.0/13.1	45.3/13.8	45.3/13.8
CAPACITIES lbs. (kg)				
Front axle	3500/1588	3600/1633	3800/1724	4180/1896
Rear axle	4200/1905	4200/1905	5500/2495	5500/2495
Curb weight	5846/2652	6024/2732	6215/2819	6551/2971
Cargo volume[3], cu. ft. (liters)	137.4/3891.2	137.4/3891.2	137.4/3891.2	137.4/3891.2
Payload[6]	1519/689	1563/709	2429/1102	2162/981
Gross Vehicle Weight Rating[5] (GVWR)	7200/3266	7400/3357	8600/3901	8600/3901
Front Gross Axle Weight Rating (FGAWR)	3500/1588	3600/1633	3800/1724	4180/1896
Rear Gross Axle Weight Rating (RGAWR)	4200/1905	4200/1905	5500/2495	5500/2495
Fuel capacity, approximate, gallon (liters)	31/117	31/117	39/148	39/148
Seating capacity (front/center/rear)	3/3/3	3/3/3	3/3/3	3/3/3

***Note:** Published dimensions indicated are without optional equipment or accessories. Additional accessories or equipment ordered at the customer's request can result in a minor change in these dimensions.*

3. Cargo and load capacity limited by weight and distribution.
5. Gross Vehicle Weight Rating (GVWR). When properly equipped, includes vehicle, passengers, cargo and equipment.
6. Maximum payload capacity includes weight of driver, passengers, optional equipment and cargo.

Can specialty vehicle equipment (e.g. radar devices, video cameras, computers, meters, radio trees, shotguns, etc.) still be mounted in cars with passenger side air bags?

Yes, but care must be taken to mount the equipment outside of the deployment zone. Air bags inflate with great force and will interact with any object in the deployment zone. Therefore, to reduce the risk of injury to vehicle occupants, GM recommends that the air deployment zone be kept free of any equipment. If a piece of equipment were to become dislodged it could strike an occupant in the vehicle and result in injury. The likelihood of an object becoming dislodged is influenced by many factors, including the proximity of the object to the inflatable restraint, the size and shape of the object, and the means by which the object is secured to the vehicle. In addition to these factors, the trajectory and velocity of a dislodged object can be influenced by the type and severity of vehicle crash.

Objects that are in the deployment zone, but do not become dislodged by an inflating air bag can still affect the performance of the air bag. For example, such objects could tear the fabric or affect the shape of the air bag, thus reducing the ability of the bag to provide restraint.

Is it possible to shield equipment that is installed in the passenger side frontal air bag deployment zone in a manner that will allow full and safe air bag deployment?

Due to the complexity of influencing variables, GM is unable to evaluate the potential for shielding expected equipment configurations in all accident scenarios in order to assure that the air bag performance would be unaffected. While shielding may protect certain equipment from being damaged or dislodged, it may also negatively affect the inflation characteristics of the air bag. The air bag's shape, inflation angle, fold pattern, and inflation rate and pressure are developed to maximize the protection capability of the inflatable restraint system. Therefore, GM cannot recommend the placement of any equipment in the deployment zone, even if it is shielded to protect it from damage.

Front air bag systems and instrument panel mounted equipment.

Passenger air bags in GM vehicles deploy in different ways depending upon the type of vehicle and the particular instrument panel design.

In some vehicles, the passenger air bag deploys through a discrete door located on the top surface of the instrument panel (top-mount air bag systems). In other vehicles, such as the Chevrolet Tahoe, the passenger air bag deploys through a discrete door mounted on the vertical rearward surface of the instrument panel, above the glove box door (mid-mount air bag system). With these types of top-mount and mid-mount passenger air bag systems, the top pad of the instrument panel remains in place during deployment.

Some GM passenger air bag systems, like the system in the Chevrolet Impala, deploy from beneath the instrument panel top pad. These are considered 3/4-mount air bag systems with a "deployable top pad." The entire instrument panel top pad is the "deployment door" from under which the inflating air bag emerges. When an air bag deployment is commanded, the forces from the inflating passenger air bag push up on the instrument panel top pad, releasing special fasteners across the rearward edge of the top pad. This allows the top pad to rotate upward so that the passenger air bag may emerge. The top pad rotates upward to open widest at the right hand side, and is usually forced upward into contact with the windshield on the right hand side of the vehicle during a deployment.

Instrument panel top mounted special equipment, such as a radar antenna and control unit or video camera must be positioned to the left of the vehicle center line. This equipment must be mounted as low as possible and securely fastened to the top pad to avoid being dislodged in the event of a crash and possible air bag deployment. In the process of securely fastening special equipment to the top, DO NOT fasten down the top pad itself to any other vehicle component such as the cluster trim plate. As described above, the top pad rotates upward during a deployment. In order to enable the proper deployment of the passenger air bag, specialty equipment installation MUST NOT PREVENT the top pad from rotating upward during deployment. Location and attachment of special equipment should minimize added resistance or interference to upward rotation of the top pad during deployment.

Optional side air bags for crashes to the vehicle sides.

The air bag system in your police vehicle may include optional side air bags for front and rear occupants. Most front-to-rear side air bags are designed to deploy downward from the interior roof sides to the bottom of the door windows.

Can Specialty Vehicle Security Barriers be mounted within the side air bag deployment zones?

No. The side air bags inflate extremely fast because of the nature of side crashes to the vehicle. Mounting a security barrier behind the front seats with the ends placed within the side air bag deployment zones will result in unintended interaction between the barrier and the inflating side air bags. To reduce the risk of injury to the vehicle occupants, GM recommends that the side air bag zones be kept free of any customer installed equipment.

Customer furnished equipment installed to the vehicle roof.

Your police vehicle is designed with an interior roof cover system which includes internal components for the interior lamps and wiring. The roof system may also include optional side air bag components. Inflation devices may be mounted on the vehicle roof side behind the rear doors as well as air bag tethers retained to the windshield pillars. Care must be taken to avoid damage to these components or interference with their operation when installing roof mounted equipment such as emergency lamps and communication antennas.

Recommended GM service procedures must be followed to remove and re-install the instrument panel top pad to ensure that the top pad will release properly in the event of a passenger air bag deployment.

On the right half of the top pad closest to the passenger air bag module, GM recommends that no equipment be mounted. When mounting equipment on the driver side of the top pad, GM recommends that the total mass of the top pad mounted special equipment not exceed 8 pounds (3.6 kilograms), since the top pad tends to rotate about the left end.

Fasteners used to secure special equipment to the instrument panel top pad, the windshield glass, or to the windshield upper frame (header), should be selected to ensure that these devices will remain attached during a vehicle crash and possible air bag deployment.

Head curtain side air bags are designed to help reduce the risk of head and neck injuries to front and rear seat occupants on the near side of certain side-impact collisions. Always use safety belts and the correct child restraints for your child's age and size, even in vehicles equipped with air bags. Children are safer when properly secured in a rear seat. See your vehicle Owner's Manual and child safety seat instructions for more information.

Can the installation of push bumpers on the front end of the vehicle affect the deployment of the air bag?

General Motors is not aware of adverse effects during crash events from the many push bumpers that have been installed on GM police vehicles. Because there are many styles of push bumpers available with varying crash characteristics, installation of push bumpers may or may not affect deployment timing of the air bags. Push bumpers should be mounted to avoid modifying the vehicle structure and interfering with the front air bag sensors mounted on the upper radiator support cross member.

Two front impact sensors are installed in General Motors vehicles. Do not relocate or disconnect the front sensors. The location and orientation of the front sensors are critical for correct operation of the air bag system. Avoid mounting components on or near the sensors. Push bumper styles with vertical pushing members that are in fore-aft alignment with the front air bag sensors are not recommended.

How long will the air bag remain inflated?

It takes approximately 1/20th of a second to fully inflate the frontal air bags. This is faster than the blink of an eye. The air bags begin to deflate immediately, helping to stop the occupants more gradually.

Can the air bag system be re-used?

No. The air bags are designed to inflate only once. After inflation some new parts will be required. These will include the air bag module and possibly other parts. (A competent service technician with access to the vehicle's service manual and the required tools should replace the required components after a deployment crash.)

I've heard that the dusts that are released into the passenger compartment from the air bag are harmful. Is this true?

For most people, the only effect the dusts will produce is some irritation of the throat and eyes, and that is only if the occupant remains in the vehicle for many minutes after the air bag deployment with no ventilation and windows closed. However, some people with asthma may develop an asthmatic attack from inhaling the dusts. If this happens, they should first treat themselves the same way their doctor has advised them to treat any other asthma attack, and then immediately seek medical treatment.

When should an air bag inflate?

The driver's and right-front passenger's frontal air bags are designed to inflate in moderate to severe frontal or near-frontal crashes. But they are designed to inflate only if the impact speed is above the system's designed "threshold level."

In addition, if your vehicle has "dual stage" frontal air bags, these air bags tailor the amount of restraint according to crash severity. For moderate frontal impacts, the air bags inflate at a level less than full deployment. For more severe frontal impacts, "dual stage" frontal air bags deploy at full levels.

If the front of your vehicle goes straight into a wall that doesn't move or deform, the threshold level of the reduced deployment is about 12 to 16 mph (19 to 15 km/h), and the threshold level for a full deployment is about 18 to 24 mph (29 to 28.5 km/h). The threshold level can vary, however, with specific vehicle design, so that it can be somewhat above or below this range.

If your vehicle strikes something that will move or deform such as a parked car, the threshold level will be higher. The driver's and right-front passenger's frontal air bags are not designed to inflate in rollover, side impacts, or rear impacts, because inflation would not help the occupant.

Seat mounted side impact air bags are designed to inflate in moderate to severe side crashes. The side impact air bags will inflate if the crash severity is above the designed "threshold level." The threshold level can vary with specific vehicles design. The side impact air bags are not designed to inflate on frontal or near-frontal impacts or rear impacts, because inflation would not help the occupant.

Roof rail mounted head-curtain airbags are designed to inflate in moderate to severe side crashes. In addition, certain vehicles have head-curtain air bags which are also designed to inflate in situations where an impending rollover condition is identified by the vehicle's rollover sensing system and/or frontal or near-frontal impacts if the crash severity is above the designed "threshold level".

Safety belt pretensioners at the driver and front passenger seat positions are designed to deploy in frontal, near-frontal, side, and rear crashes that exceed the "threshold level" of crash severity to help reduce slack in the safety belt. Safety belt pretensioners will also deploy in impending rollover situations.

I've heard that a deployed air bag produces what appears to be smoke. Is the air bag hot?

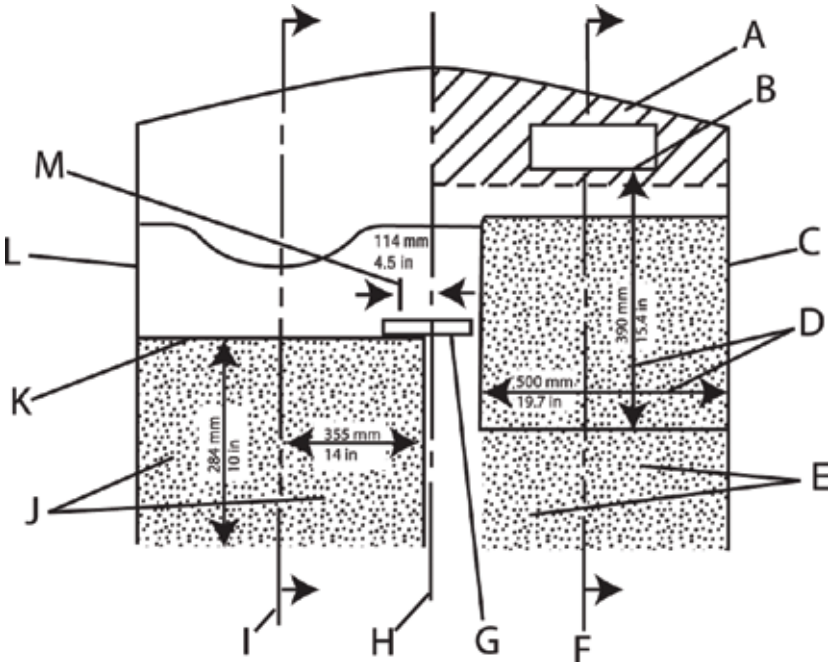
After the bag has deployed in a crash, the air bag itself will not be hot to touch. Some components within the air bag module will be hot for a short time. A small amount of smoke coming from a deployed air bag module is normal and should not be cause for concern.

Also, when the nitrogen gas is vented out of the air bag, small particles from inside the bag are also vented into passenger compartment. These airborne particles look like smoke and some particles are deposited as residue on and around the air bag.

If my vehicle has air bags, why should I have to wear my safety belt?

Air bags are in many vehicles today and will be in most of them in the future. But they are supplemental systems only; so they work with safety belts - not instead of them. Every air bag system ever offered for sale has required the use of safety belts. Even if you're in a vehicle that has air bags, you still have to buckle up to get the most protection. That's true not only in frontal collisions but especially in side and other collisions.

Head curtain side air bags are designed to help reduce the risk of head and neck injuries to front and rear seat occupants on the near side of certain side-impact collisions. Always use safety belts and the correct child restraints for your child's age and size, even in vehicles equipped with air bags. Children are safer when properly secured in a rear seat. See your vehicle Owner's Manual and child safety seat instructions for more information.

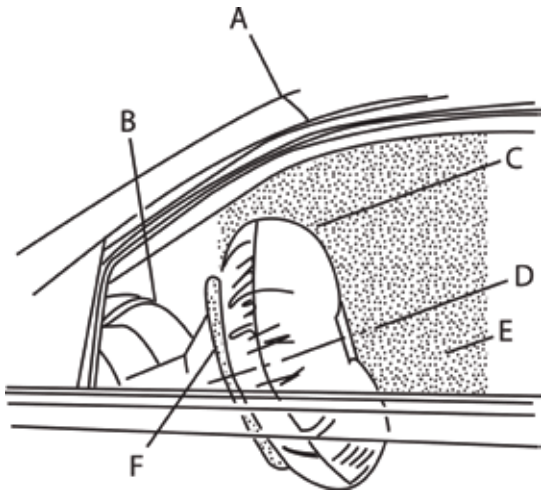


TOP VIEW OF INSTRUMENT PANEL AND APPROXIMATE DEPLOYMENT AREA OF THE AIR BAG ZONE

A. Passenger side instrument panel top surface zone
B. Passenger side air bag module trim panel – rear edge
C. Passenger side door
D. Approximate dimensions of inflated air bag
E. Passenger side air bag deployment zone
F. Passenger centerline
G. Inside rearview mirror
H. Vehicle centerline
I. Driver centerline
J. Driver side air bag deployment zone
K. Front of steering wheel
L. Driver side door
M. Shift selector arc

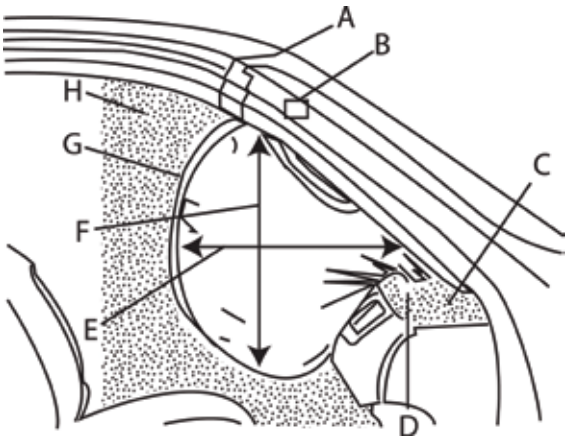
Head curtain side air bags are designed to help reduce the risk of head and neck injuries to front and rear seat occupants on the near side of certain side-impact collisions. Always use safety belts and the correct child restraints for your child's age and size, even in vehicles equipped with air bags. Children are safer when properly secured in a rear seat. See your vehicle Owner's Manual and child safety seat instructions for more information.

Note: All dimensions are approximate and subject to change.



SIDE VIEW OF DRIVER SIDE
AIR BAG DEPLOYMENT ZONE

A. Top edge of windshield
B. Top of instrument panel
C. Inflated air bag – steering wheel
D. Centerline of steering column at mid-tilt
E. Driver air bag deployment zone
F. Front of steering wheel



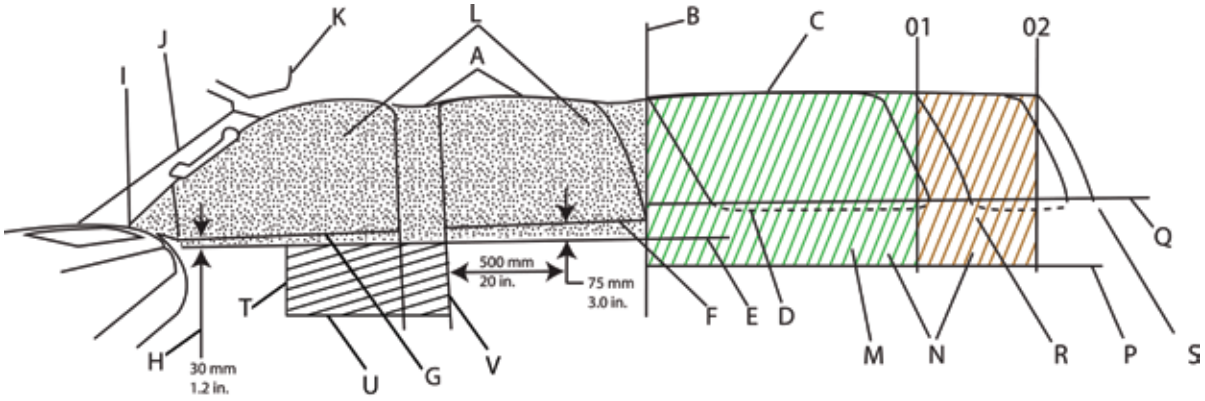
SIDE VIEW OF PASSENGER SIDE AIR BAG
DEPLOYMENT ZONE

A. Top edge of windshield
B. Inside rearview mirror
C. Instrument panel top surface zone
D. Passenger side air bag module trim panel – rear edge
E. Inflated air bag – horizontal dimension approximate 15.4 in (390 mm)
F. Inflated air bag – vertical dimension approximate 9.3 in (490 mm)
G. Inflated air bag – instrument panel
H. Passenger air bag deployment zone

Head curtain side air bags are designed to help reduce the risk of head and neck injuries to front and rear seat occupants on the near side of certain side-impact collisions. Always use safety belts and the correct child restraints for your child's age and size, even in vehicles equipped with air bags. Children are safer when properly secured in a rear seat. See your vehicle Owner's Manual and child safety seat instructions for more information.

Note: All dimensions are approximate and subject to change.

HEAD CURTAIN AND FRONT SEAT-MOUNTED SIDE IMPACT AIR BAG DEPLOYMENT ZONES
PASSENGER SIDE SHOWN, DRIVER SIDE SIMILAR



Tahoe/Suburban/Silverado Crew Cab Seat Rows 1 and 2

A. Top of deployment zone – along head curtain at edge of headliner
B. Back of deployment zone – at rear top corner of rear door pad
C. Rear quarter window
D. Bottom outside edge of rear quarter window
E. Bottom of air bag deployment zone – parallel to outside bottom edge of rear quarter glass
F. Top edge of rear door pad
G. Top edge of front door pad
H. Dimension at mirror patch from top edge of front door pad
I. Front of deployment zone at front upper corner of front door pad
J. Windshield pillar trim with grab handle
K. Visor
L. Deployment zone - Tahoe seat rows 1 and 2

Tahoe/Suburban 3rd Row Seats

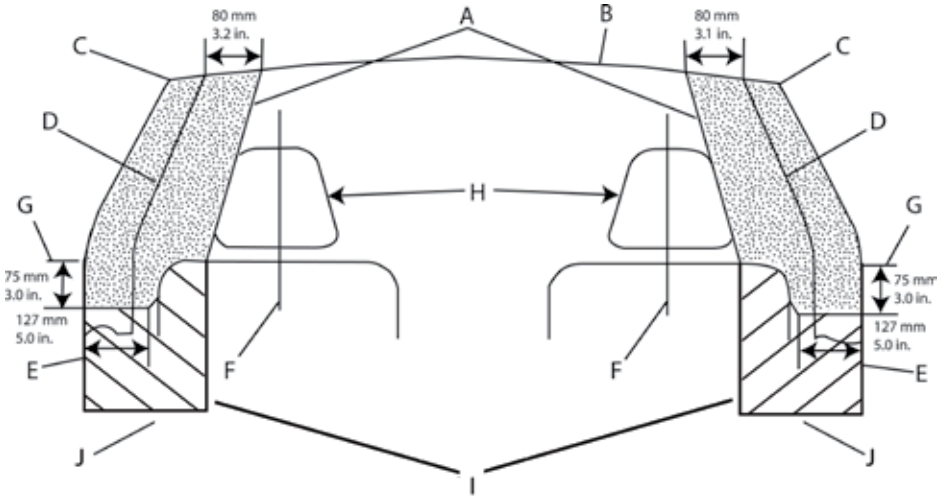
M. Deployment zone - Tahoe 3rd seat
N. Deployment zone - Suburban 3rd seat
O. Rear zones at back corner of headliner: 1 Tahoe, 2 Suburban
P. Bottom of 3rd seat zone at rear side trim cup holders
Q. Top edge of rear quarter trim at window
R. Rear of Tahoe
S. Rear of Suburban

Tahoe/Suburban/Silverado Crew Cab Seat Air bag

T. Center of door trim pull handle
U. Top of surface of outboard front seat cushion
V. Back edge of center pillar trim

Note: The head curtain air bag inflators are mounted in a different orientation on the Silverado Crew Cab pickup truck roof structure from those in the Tahoe/Suburban.

HEAD CURTAIN AND FRONT SEAT-MOUNTED SIDE IMPACT AIR BAG DEPLOYMENT ZONES
VIEW FROM REAR CARGO AREA



A. Head curtain air bag deployment zone
B. Underside of headliner
C. Edge of headliner
D. Inner center pillar trim
E. Inner door pad
F. Seat centerline
G. Bottom of door windows
H. Front seat headrests
I. Seat-mounted side impact air bags deployment zone front seat
J. Top surface of outboard front seat cushion

Head curtain side air bags are designed to help reduce the risk of head and neck injuries to front and rear seat occupants on the near side of certain side-impact collisions. Always use safety belts and the correct child restraints for your child's age and size, even in vehicles equipped with air bags. Children are safer when properly secured in a rear seat. See your vehicle Owner's Manual and child safety seat instructions for more information.

Note: All dimensions are approximate and subject to change.

GM offers Anti-Lock Brake Systems as standard or optional on all North American passenger vehicles and light truck lines. The computerized Anti-Lock Braking System (ABS) is designed to keep the vehicle's wheels rotating as the brakes are applied to assist the driver in achieving a controlled stop. Sensors monitor how fast the wheels rotate and feed the data continuously to the ABS computer. The vehicle's brakes slow each wheel as the brake pedal is applied. However, when ABS is activated due to road conditions, the system repeatedly releases and applies pressure to the brakes. The wheels can keep rolling, thus retaining steering ability and enhanced stability while providing a higher braking force on most surfaces than a locked wheel provides.

How exactly does ABS work?

In cars without ABS, hitting the brakes can cause the wheels to lock, leaving you unable to steer the vehicle until you decrease the pressure so the wheels can roll again. With an ABS, as you apply the brakes, the ABS computer monitors the wheel speed sensor information. If the computer senses that a wheel is approaching lock up, it sends a signal to the hydraulic modulator to reduce, then to reapply, brake pressure several times a second for as long as you maintain firm pressure on the brake pedal. The process is much like the threshold braking technique used with conventional brakes. However, ABS does it much faster and more accurately than any driver can, leaving you free to focus on steering away from obstacles.

Does ABS reduce stopping distances?

Yes, in braking situations where the wheels on a non-ABS equipped vehicle would lock up, ABS will generally provide shorter controlled stopping distance. The amount of improvement in stopping distance depends on many factors, including the road surface, severity of braking, initial vehicle speed, etc. On some surfaces, such as gravel roads, braking distances can be longer, but you will still have the control benefits of ABS. The important capability of ABS is control. ABS provides improved vehicle steerability and stability when braking.

What can affect the ABS advantage?

It is important that you follow the maintenance schedule recommended in the owner's manual of the vehicle, tires should be at their proper inflation level, the brake pads should be checked regularly, etc. While driving, you should sit comfortably, so that your hips are back in the seat and your knees are bent, even while braking. Your foot should be positioned so that your heel is on the floor and your toes are secure on the lower half of the pedal. And, though ABS may reduce stopping distance, remember: The faster you go, the longer it takes you to stop. Keeping a safe distance between you and the vehicle in front of you is always necessary, even with ABS.

What happens if ABS becomes inactive?

The ABS electronic control unit has on-board diagnostic capability. If a fault is detected, the vehicle will revert to the base brake system, and the ABS telltale on the dash will be illuminated. Should this happen, the vehicle should be taken to a dealership for repair as soon as possible.

How do I use ABS?

Depress and hold the pedal. DO NOT PUMP THE BRAKES (that prevents the system from working). Just hold the brake pedal down and let the ABS work for you. You may feel the brake pedal vibrate, or you may notice some noise, but this is normal as the system works for you.

Should I drive an ABS equipped vehicle differently than I would drive a vehicle with conventional brakes?

Most of the time, under normal driving circumstances, there is no difference, and you should always drive with the same caution and care. It is important to realize that ABS only makes a difference when it is activated—when you have to brake hard—and that would only be when the computer senses that a wheel is approaching lock up. When ABS activates keep steady pressure on the brake pedal and then let the ABS work for you. Don't pump the brakes or try to find the threshold. Simply hold the brake pedal down and steer if necessary to avoid an obstacle.

Is ABS always active?

ABS is always available, but not always activated. ABS is activated only when the brake pedal is applied and the computer detects an impending wheel lock condition.

Can older cars be retrofitted with ABS?

No! The brake system is one of the most important features on any passenger vehicle.

Several products, which tap into the master cylinder and/or brake system performance, are being sold in the aftermarket. Some of these products imply performance similar to new vehicle anti-lock brake systems.

However, contrary to their claims, add-on systems, which deplete fluid from the master cylinder on brake apply may actually increase a vehicle's stopping distance. This may cause the vehicle to fail to comply with Federal brake standards.

Does ABS always activate at the same speed?

No, the system operates when the computer detects wheel lockup, at any speed above 8 mph.

Will ABS wear out a vehicle's brakes sooner?

A properly maintained brake system will be unaffected by ABS operation under typical driving conditions.

Are there different types of ABS?

Yes, there are rear wheel anti-lock systems (RWAL) used on some trucks and four-wheel ABS available on cars and trucks.

Do Federal Safety Standards mandate ABS?

No. Federal standards establish minimum braking performance requirements that all vehicles must meet, but do not specify how they should be met. It should be noted that even a vehicle with failed ABS meets the Federal safety standard for stopping distances.

Will a tire size change affect ABS?

Use of tires other than original equipment may affect ABS performance. Owners should consult and follow the recommendations contained in the vehicle owner's manual regarding replacement tire size. ***Note: ABS will work with original equipment spare tire or tire chains. However, performance is reduced.***

Do insurance companies give a discount for ABS?

Yes, many insurance companies give discounts that range from 5% to 10%. In the states of New York and Florida all insurance companies are required to give an ABS discount of 5% on certain coverages such as bodily injury, property damage, collision, and personal injury protection. In other states the discount varies from insurance company to insurance company. When buying auto insurance, always ask your insurance agent if his/her company gives a discount for vehicles equipped with anti-lock brakes.

Note: All dimensions are approximate and subject to change.

IMPORTANT DRIVING SAFETY TIPS

A. **Always maintain a safe following distance.** ABS does not allow you to stop on a dime. (Generally a 2-second following distance is considered safe in ideal conditions.) Watch the vehicle in front of you pass a fixed marker (such as a sign). Count seconds—one-thousand-one, one-thousand-two-until your front bumper reaches the marker. If you do not count out two seconds, then you are too close to the vehicle in front of you. Also, if the roads are wet or icy, or visibility is poor, you should increase your following distance.

B. **Always drive carefully—** especially on slippery surfaces. ABS cannot create friction between the tires and the road surface, it can only give the driver the maximum advantage of the existing adhesion. If the vehicle is traveling on a surface with no adhesion, the best ABS in the world cannot provide a shorter stopping distance or good steering.

C. **It is a good idea to practice an ABS activated stop** and get the feel of the brake pedal. However, please make sure it's at a safe time with no obstacles in your path. And you only really need to try it once or twice to know what happens.

STABILITY ENHANCEMENT SYSTEMS (StabiliTrak)

Stability enhancement system (StabiliTrak) assists the driver with directional control of the vehicle in difficult driving conditions. Each time the vehicle is started, the StabiliTrak system is fully ON. StabliliTrak can be controlled by a StabiliTrak button on the instrument panel. The condition of the system is displayed by an instrument panel StabiliTrak indicator light and Driver Information Center (DIC) messages. See your owner's manual for additional information about the operation of StabiliTrak.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SILVERADO 2500HD CREW CAB 4WD WORK TRUCK - 1WT | 1

UPDATES FOR 2011

New Features

- (LML) Duramax 6.6L turbo diesel V8, B20-Diesel compatible engine
- (LGH) Duramax 6.6L turbo diesel V8, B20-Diesel compatible engine (requires ZW9 pickup box delete)
- Exterior color (GGU) Steel Green Metallic
- (ASF) Head curtain side-impact air bags[1], front outboard seating positions with rollover sensor
- (AJ7) Seat-mounted side-impact air bags[1], driver and right-front passenger for thorax and pelvic protection
- (PYN) 17" (43.2 cm) steel wheels
- (PYP) 17" (43.2 cm) chrome-clad steel wheels
- (PYT) 18" (45.7 cm) painted steel wheels
- (QHQ) LT245/75R17 all-season, blackwall tires
- (QGM) LT265/70R18E all-terrain tires
- (QWF) LT265/70R18E all-season tires
- (K40) Exhaust Brake
- (GEH) 9500 lbs. (4309 kg) GVWR[5]
- (C4M) 9900 lbs. (4490 kg) GVWR[5]
- (C7A) 10,000 lbs. (4536 kg) GVWR[5]

Changes

- New grille hood and front bumper appearance
- (JL4) StabiliTrak, stability control system is now standard on all models and includes electronic trailer sway control, intelligent brake assist and hill start assist
- (VYU) Snow Plow Prep Package now available on all 4WD engine and cab combinations
- New chassis and suspension
- Short and long box fuel tanks increased to 36 gallons

Deletions

- (LY6) Vortec 6.0L variable valve timing V8 SFI engine
- (LMM) Duramax 6.6L turbo diesel V8, B5-diesel compatible engine
- (QB5) 16" x 6.5" (40.6 cm x 16.5 cm) 8-lug painted steel wheels
- (PY2) 4- 16" x 6.5" (40.6 cm x 16.5 cm) 8-lug chrome-styled steel wheels
- (C6W) 9200 lbs. (4173 kg) GVWR[5]
- (PY0) 4- 16" x 6.5" (40.6 cm x 16.5 cm) 8-lug polished forged aluminum wheels
- (QIZ) LT 245/75R16E all-season, blackwall tires
- (QIW) LT245/75R16E on/off-road, blackwall tires
- Exterior color (58U) Black Granite Metallic
- (VBJ) LPO, Underseat storage, composite storage bin under the rear seat

1. Head curtain side air bags are designed to help reduce the risk of head and neck injuries to front and rear seat occupants on the near side of certain side-impact collisions. Always use safety belts and the correct child restraints for your child's age and size, even in vehicles equipped with air bags. Children are safer when properly secured in a rear seat. See your vehicle Owner's Manual and child safety seat instructions for more information.
5. Gross Vehicle Weight Rating (GVWR). When properly equipped, includes vehicle, passengers, cargo and equipment.

Note: This vehicle is NOT designed nor intended for use IN HIGH SPEED EMERGENCY VEHICLE OPERATIONS

MODEL AVAILABILITY

CK20743	4-wheel drive 3/4 ton fleetside standard bed crew cab pickup
CK20943	4-wheel drive 3/4 ton fleetside long bed crew cab pickup

STANDARD EQUIPMENT SUMMARY

WARRANTY	3 years / 36,000 miles bumper-to-bumper (whichever comes first, see dealer for details) 5 years / 100,000 miles limited powertrain (whichever comes first, see dealer for details)

INTERIOR FEATURES

AIR CONDITIONING	Single-zone manual front climate control
ASSIST HANDLES	Front passenger, rear assist handles in the headliner
AUDIO SYSTEM FEATURE	Speaker system (includes 6 speakers)
COAT HOOKS	Rear driver and passenger side
CUP HOLDERS	Front, rear
DOME LAMPS	Interior with dome and reading lamps, illuminated entry feature and backlit instrument panel switches
DOOR LOCKS	Power includes AU0 remote keyless entry unless SE0 5B5 power windows, locks and mirrors is ordered
DRIVER INFORMATION CENTER	Odometer, trip odometer and message center (monitors numerous systems depending on vehicle equipment level including low fuel, turn signal on, transmission temperature and oil change notification) (Driver Information Center controls are operated through the trip button unless UK3 steering wheel mounted audio controls is ordered)
FLOOR COVERING	Black rubberized-vinyl
MIRROR	Inside rearview manual day/night
POWER OUTLETS	2 auxiliary instrument panel-mounted with covers, 12-volt
RADIO	AM/FM stereo with seek-and-scan and digital clock with 4-speaker system
RESTRAINT SYSTEM	Frontal, driver and right-front passenger seat mounted side-impact air bags[1], driver and right-front passenger for thorax and pelvic protection, head curtain side-impact front outboard seating positions with rollover sensor; always use safety belts and the correct child restraints for your child's age and size, even in vehicles equipped with air bags[1]; children are safer when properly secured in a rear seat (see the vehicle's owner's manual and child safety seat instructions for more safety information)
SEAT TRIM	Dark Titanium vinyl (vinyl seats require BG9 Graphite-colored rubberized-vinyl floor covering)
SEAT, FRONT	40/20/40 split-bench, 3-passenger, driver and front passenger manual reclining with outboard head restraints and center fold-down armrest with storage
SEAT, REAR	60/40 folding bench (folds up), 3-passenger, folding (includes child seat top tether anchor)
SPEEDOMETER/CLUSTER	Analog with speedometer, fuel level, engine temperature, tachometer, volt meter and oil pressure indicators
STEERING WHEEL	Includes theft deterrent locking feature
STEERING COLUMN	Tilt-wheel, adjustable with brake/transmission shift interlock
THEFT DETERRENT	Vehicle theft PASS-Key® III
VISORS	Driver and front passenger, sliding with clip and passenger side vanity mirror with cover, Opal Gray-colored
WARNING TONES	Headlamp on, key-in-ignition, driver and passenger buckle up reminder and turn signal on

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EXTERIOR FEATURES

AIR DAM	Black
BUMPER, FRONT	Chrome
BUMPER, REAR	Chrome, step-style with pad
DAYTIME RUNNING LAMPS	Automatic exterior lamp control
DOOR HANDLES	Black
GLASS	Solar-Ray light-tinted, all windows
GRILLE	Chrome surround
HEADLAMPS	Dual halogen composite with automatic exterior lamp control and flash-to-pass feature
KEYLESS ENTRY	2 transmitters, panic button and content theft alarm (included and only available with AU3 power door locks; if SEO 5B5 power windows, locks and mirrors is ordered AU0 becomes optional on all models)
LAMPS	Dual cargo area lamps
MIRRORS	Outside manual Black, manual-folding
PAINT	Solid
PICKUP BODY	Fleetside
WINDOWS	Fixed rear access door
WINDSHIELD WIPERS	Front intermittent wet-arm with pulse washers

CHASSIS FEATURES

AIR CLEANER	High-capacity
ALTERNATOR	125-amps
BATTERY	Heavy-duty 600 cca, maintenance-free with rundown protection and retained accessory power
BRAKES	4-wheel antilock, 4-wheel disc
COOLING, ENGINE	External engine oil cooler, heavy-duty air-to-oil, integral to driver side of radiator tank
COOLING, TRANSMISSION	Auxiliary external transmission oil cooler, heavy-duty air-to-oil
DRIVE	4-wheel drive
ENGINE	Vortec 6.0L variable valve timing V8 SFI
EXHAUST	Aluminized stainless-steel muffler and tailpipe
FRAME	Hydroformed
FUEL TANK	36 gallon (136 liter)
PICKUP BOX	Fleetside
REAR AXLE	3.73 ratio
RECOVERY HOOKS	Front, frame-mounted
STABILITRAK	Stability control system, includes electronic trailer sway control, intelligent brake assist and hill start assist
STEERING	Power, recirculating ball
SUSPENSION, FRONT	Independent, torsion bar with increased front GAWR, includes 35mm twin tube shock absorbers and 36mm front stabilizer bar
SUSPENSION, REAR	4 + 1 multi-leaf springs
SUSPENSION PACKAGE	Handling/trailering, heavy-duty includes 46 mm piston monotube shocks and 34 mm front stabilizer bar
TIRE PRESSURE MONITOR	CHECK TIRE PRESSURE will show on Driver Information Center (does not apply to spare tire)
TIRE, SPARE CARRIER	Outside, winch-type mounted under frame at rear (orders with ZW9 pickup box delete will not include a spare tire carrier unless a spare tire is ordered)
TIRES	LT245/75R17 all-season blackwall (includes full-size spare)
TRANSFER CASE	Floor-mounted shifter (requires 4-wheel drive models)
TRANSMISSION	6-speed automatic, heavy-duty, electronically controlled with overdrive and tow/haul mode (requires L96 Vortec 6.0L V8 SFI engine)
WHEELS	17" (43.2 cm) steel, includes NZ4 17" x 7.5" (43.2 cm x 19.1 cm) steel spare wheel. Spare not included with ZW9 pickup box delete unless a spare tire is ordered

POWERTRAIN

S = Standard A = Available		TRANSMISSION		AXLE		GVWR lbs (kg)
ENGINE		MYD 6-speed auto.	MW7 Allison 1000 6-speed auto. with OD	GT4 3.73	GT5 4.10	
STANDARD						
CK20743	L96 Vortec 6.0L variable valve timing V8 SFI	S	—	S	A	GEH 9,500 (4,309)
CK20943	L96 Vortec 6.0L variable valve timing V8 SFI	S	—	S	A	CHM 9,900 (4,490)
OPTIONAL						
LML/LGH	Duramax 6.6L turbo diesel V8, B20-diesel compatible (requires MW7 Allison 1000 6-speed automatic transmission; includes TUV heavy-duty dual, 730 cca battery and K05 engine block heater)	—	S	S	—	C7A 10,000 (4,536)

EMISSIONS - MUST BE SPECIFIED

FE9	FEDERAL EMISSIONS. Use for ordering vehicles that will be registered in all states except California, Connecticut, Maine, Maryland, Massachusetts, New Jersey, New Mexico, New York, Oregon, Pennsylvania, Rhode Island, Vermont and Washington State
YF5	CALIFORNIA EMISSIONS. Use for ordering vehicles that will be registered in California.
NE1	CT/ME/MD/MA/NJ/NM/NY/OR/PA/RI/VT/WA EMISSIONS. Use for ordering vehicles that will be registered in Connecticut, Maine, Maryland, Massachusetts, New Jersey, New Mexico, New York, Oregon, Pennsylvania, Rhode Island, Vermont or Washington State
NB8	Required when option code FE9 "FEDERAL EMISSIONS" is ordered for delivery to a dealer located in California, Connecticut, Massachusetts, Maryland, New Jersey, New Mexico, New York, Oregon, Pennsylvania, Rhode Island and Washington State for a purchaser who will be registering the vehicle outside California, Connecticut, Maine, Maryland, Massachusetts, New Jersey, New Mexico, New York, Oregon, Pennsylvania, Rhode Island, Vermont and Washington State.
NC7	Required when option code YF5 "CALIFORNIA EMISSIONS" or option code NE1 "CT/ME/MD/MA/NJ/NM/NY/OR/PA/RI/VT/WA EMISSIONS" is ordered for delivery to a dealer located in any state except California, Connecticut, Maine, Maryland, Massachusetts, New Jersey, New Mexico, New York, Oregon, Pennsylvania, Rhode Island, Vermont and Washington for a purchaser who will be registering the vehicle in one of these states or sold as permitted below under "EPA Policy on the Sale of California Emission Vehicles"
NB9	Required when option code YF5 is ordered for delivery to a dealer located in Connecticut, Maine, Maryland, Massachusetts, New Jersey, New Mexico, New York, Oregon, Pennsylvania, Rhode Island, Vermont and Washington. Required when option code NE1 is ordered for delivery to a dealer located in California.
Requirements for Diesel Engines in Vehicles Over 14,000 lbs GVWR: Different requirements apply to vehicles weighing over 14,000 lbs GVWR that are equipped with diesel engines. These requirements impact the Chevrolet Express and GMC Savana Vans weighing over 14,000 lbs GVWR that are equipped with the 6.6-liter Duramax diesel engine (LMM). For these vehicles, a different set of states has adopted California emission requirements, specifically, California, Connecticut, Delaware, Georgia, Maine, New Jersey, North Carolina and Pennsylvania. And GM has established a different set of emission options for use by dealers as follows.	
CEJ	FEDERAL EMISSIONS. Use for ordering vehicles that will be registered in all states except California, Connecticut, Delaware, Georgia, Maine, New Jersey, North Carolina and Pennsylvania.
YF5	CALIFORNIA EMISSIONS. Use for ordering vehicles that will be registered in California. Note: No 14,200 lb product offering available except for models with option packages ANC, B3D, YF1, or YF2
CEI	CT/DE/GA/ME/NJ/NC/PA EMISSIONS. Use for ordering vehicles that will be registered in Connecticut, Delaware, Georgia, Maine, New Jersey, North Carolina and Pennsylvania. Note: No 14,200 lb product offering available except for models with option packages ANC, B3D, YF1, or YF2.
GM has also established a different set of emission overrides as follows.	
CEK	Required when option code CEJ "FEDERAL EMISSIONS" is ordered by a dealer located in California, Connecticut, Delaware, Georgia, New Jersey, North Carolina and Pennsylvania for a purchaser who will be registering the vehicle outside California, Connecticut, Delaware, Georgia, Maine, New Jersey, North Carolina and Pennsylvania. Do not use for vehicles that will be registered in California, Connecticut, Delaware, Georgia, Maine, New Jersey, North Carolina or Pennsylvania.
CEM	Required when option code YF5 "CALIFORNIA EMISSIONS" or option code CEI "CT/DE/GA/ME/NJ/NC/PA EMISSIONS" is ordered by a dealer located in any state except California, Connecticut, Delaware, Georgia, New Jersey, North Carolina and Pennsylvania.

DIMENSIONS (in./mm)

LOCATION	CK20743 4X4 CREW CAB STANDARD BOX	CK20943 4X4 CREW CAB LONG BOX
Wheelbase	153.70/3904	167.70/4260)
Overall length	240.20/610	259.10/6581
Body width	80.00/2032	80.00/2032
Overall height	78.10/1984	78.10/1984
Head room, front	41.30/1049	41.30/1049
Head room, rear	40.60/1031	40.60/1031
Shoulder room, front	65.20/1656	65.20/1656
Shoulder room, rear	65.20/1656	65.20/1656
Hip room, front	60.30/1532	60.30/1532
Hip room, rear	65.50/1664	65.50/1664
Leg room, front	41.30/1049	41.30/1049
Leg room, rear	39.00/991	39.00/991
Cab to axle	41.60/1057	55.60/1412
Front bumper to axle	38.80/986	38.80/986
Rear bumper to axle	52.60/1336	52.60/1336
Inside length, at floor	78.80/2002	97.80/2484
Inside height	21.00/533	21.00/533
Inside width, at floor	62.50/1588	62.50/1588
Tailgate width, top	61.60/1565	61.60/1565
Front bumper to back of cab	150.90/3833	150.90/3833
Ground to top of rear load floor	37.90/963	37.80/960
Inside width, between wheelhousing	50.60/1285	50.60/1285
Ground clearance, front	9.75/248	9.75/248
Ground clearance, rear	8.20/208	8.20/208

***Note:** Published dimensions indicated are without optional equipment or accessories. Additional accessories or equipment ordered at the customer's request can result in a minor change in these dimensions.*

SEATS AND INTERIOR TRIM

SEAT TYPE		SEAT OPTION	SEAT TRIM	INTERIOR DARK TITANIUM
STANDARD WORK TRUCK	Front: 40/20/40 split-bench with fold-down armrest Rear: 60/40 folding bench	AE7	Vinyl†	88V
OPTIONAL WORK TRUCK	Front: 40/20/40 split-bench with fold-down armrest and manual driver lumbar Rear: 60/40 folding bench	AE7	Cloth††	88B

†- Vinyl seats require BG9 Black rubberized-vinyl floor covering
††- Seats are Ebony seating surfaces and Ebony bolsters

AVAILABLE EXTERIOR COLORS

Taupe Gray Metallic | Sheer Silver Metallic | Imperial Blue Metallic | Black | Blue Granite Metallic | Summit White | Steel Green Metallic | Victory Red

Actual colors may vary

SEO PAINT AVAILABLE

WA#	COLOR DESCRIPTION	CODE
228A	Light Autumnwood Metallic	
253A	Wheatland Yellow	9W3
334D	Dark Toreador Red	
382E	Pewter	
454N	Blue	
769H	Blue	
770H	Orange	
815K	Arrival Blue	
926L	Silver Burch Metallic	
5248	Yellow	
5405	Blue Metallic	
5445	Yellow	
5456	Yellow	
5663	Blue	
5758	Green	
7154	Blue	
7159	Blue Metallic	
7840	Gray Metallic	
7941	Green	
9015	Woodland Green	9V5
9403	Doeskin Tan	9V9
9414	Yellow	
9417	Tangier Orange	9W4
9419	Orange	
9539	Green Metallic	
9792	Indigo Blue	

ACTUAL COLOR MAY VARY

Note:
- ***Door handles and mirrors will be Flat Black. Deletes standard/package body side moldings.***
- ***All normally body-colored non-sheet metal parts, will be Flat Black***
- ***SEO paint orders that contain less than five vehicles will be delayed until five unit minimum is received for batch production***

Special paint also available through Kerr Industries

- ***Special paint is also available for PPV and 5W4 Tahoes.***
- ***This work is done as part of the Kerr Industries dealer direct program***
- ***A minimum order is not required with this program. Please see the Kerr Industries CD for further details or you can contact Kerr Industries at 905-725-6561 to discuss your requirements***

AVAILABLE OPTIONS

KW1	**ALTERNATOR, 160 AMPS** - Included with VYU Snow Plow Prep Package when L96 Vortec 6.0L V8 SFI engine is ordered; requires L96 Vortec 6.0L V8 SFI engine
K76	**ALTERNATOR, DUAL, 125 AMPS EACH** - Requires LML/LGH Duramax 6.6L turbo diesel V8 engine
US8	**AUDIO SYSTEM** - AM/FM stereo with MP3 compatible CD player, seek-and-scan, digital clock, auto-tone control, Radio Data System (RDS), speed-compensated volume and theftlock, required with U2K XM Radio.
8S3	**BACKUP ALARM, 97 DECIBELS** - Not available with RPO UY2 wiring provisions
SFW	**BACKUP ALARM CALIBRATION** - Provides calibration to disable backup lamps portion of perimeter lamps, this calibration will allow installation of an aftermarket backup alarm, not available with SEO 8S3 backup alarm or UY2 trailering wiring provisions
TP2	**BATTERY, AUXILIARY HEAVY-DUTY** - 600 cca, maintenance-free; not available with LML or LGH Duramax 6.6L turbo diesel V8 engine.
6C5	**BATTERIES, SINGLE** - 730 cca provides a heavy-duty 730 cca battery, replacing the standard 600 cca battery (requires RPO L96 Vortec 6.0l V8 SFI engine; not available with RPO TP2 auxiliary battery)
TUV	**BATTERY, HEAVY-DUTY DUAL 730 CCA MAINTENANCE-FREE** - Rundown protection and retained accessory power (included and only available with LML/LGH Duramax 6.6L turbo diesel V8 engine)
UPF	**BLUETOOTH FOR PHONE**[10] - Personal cell phone connectivity to vehicle audio system; includes K34 cruise control, UK3 steering wheel-mounted audio controls and NP5 leather-wrapped steering wheel, requires UE1 OnStar[8] and US8 AM/FM stereo with MP3 compatible CD player, not available with UE0 OnStar delete or UM7 AM/FM stereo
K40	**BRAKE, EXHAUST** - Included and only available with LML or LGH Duramax 6.6L turbo diesel V8 engine
JL1	**BRAKE CONTROLLER, INTEGRATED TRAILER** - (With E63 fleetside pickup box, requires Z82 heavy-duty trailering equipment)
VF7	**BUMPER, REAR DELETE** - (Vehicles registered in certain states must have a rear bumper to be operated on their roads, consult local laws) (not available with Z82 heavy-duty trailering equipment, PCW Safety Package, SAF spare tire lock or ZW9 pickup box delete)
5V1	**CARRIER WITH SPARE WHEEL - NO TIRE** - Includes spare wheel and tire carrier with a spare wheel but with no spare tire; requires models **209*3 and RPO ZW9 pickup box delete, not available with RPO ZIZ spare tire or SEO 4GK spare tire
V10	**COVERS, RADIATOR GRILLE AND FRONT BUMPER OPENINGS** - For diesel engines in winter weather (requires LML/LGH Duramax 6.6L turbo diesel V8 engine and is required on orders with "ship to" locations within the following states: Maine, New Hampshire, Vermont, Minnesota, North Dakota, South Dakota, Montana, Alaska, Idaho, Wisconsin, Wyoming, Michigan, Colorado and New York)
K34	**CRUISE CONTROL, ELECTRONIC** - Set and resume speed, located on steering wheel; included with UPF Bluetooth for phone[10]
9R1	**DECAL DELETE, PICKUP BOX** - Deletes either the "4x4" or "Z71" decal from the side of the pickup box (requires E63 fleetside pickup box; not available with SEO 8F2 ornamentation delete)
9M4	**DECAL DELETE, TAILGATE** - Deletes all nameplates and decals on the pickup box tailgate (requires RPO E63 fleetside pickup box; not available with SEO 8F2 ornamentation delete)
C49	**DEFOGGER** - Rear-window electric
G80	**DIFFERENTIAL, REAR** - Heavy-duty automatic locking rear
LML	**ENGINE** - Duramax 6.6L turbo diesel V8, B20-diesel compatible (397 hp [296.0 kW] @ 3000 rpm, 785 lb-ft of torque [1032.8 N-m] @ 1600 rpm); requires MW7 Allison 1000 6-speed automatic transmission, includes K40 exhaust brake, TUV heavy-duty dual, 730 cca battery and K05 engine block heater, not available with ZW9 pickup box delete
LGH	**ENGINE** - Duramax 6.6L V8 turbo diesel V8, B20-diesel compatible (335 hp [249.8 kW] @ 3100 rpm, 685 lb-ft of torque [924.8 N-m] @ 1800 rpm); requires MW7 Allison 1000 6-speed automatic transmission and ZW9 pickup box delete, includes K40 exhaust brake, TUV heavy-duty dual, 730 cca battery and K05 engine block heater
K05	**ENGINE BLOCK HEATER**
5H5	**FIRE EXTINGUISHER** - A 2.5 lb. dry chemical fire extinguisher; shipped loose in cab area for later placement and securing in after-market installation
B30	**FLOOR COVERING, COLOR-KEYED CARPETING** - Rubberized-vinyl floor mats (extended and crew cab models also include rear floor mats) (requires 88B Dark Titanium cloth seat trim)
AJ1	**GLASS, SOLAR-RAY DEEP-TINTED** - All windows except light-tinted glass on windshield and driver and front passenger side glass with crew cab models or C49 rear window defogger, includes light-tinted rear window
9B9	**GOVERNOR 70 MPH** - Provides electronic software to facilitate 70 mph maximum road speed
7Z1	**HORN, HIGH NOTE** - High note horn in addition to the base low note horn
8V2	**JACK AND TOOLS DELETE** - Deletes the jack and tire change tools that are standard (requires a fleet or government sales order)
5H1	**KEY EQUIPMENT** - 2 additional spare keys for a total of 4 vehicle keys; requires RPO E63 pickup box and RPO SAF spare tire lock. Not available with SEO AU0 remote keyless entry
8X1	**LABEL, FASTEN SAFETY BELTS** - "Fasten safety belts" reminder label on side door window glass

8. Visit OnStar.com for coverage map, system limitations and details.
10. Go to gm.com/bluetooth to find out which Bluetooth phones are compatible with the vehicle.

AVAILABLE OPTIONS (CONTINUED)

U01	**LAMPS, SMOKED AMBER ROOF MARKER** - (Not available with YF5 California state emissions requirements)
VK3	**LICENSE PLATE BRACKET, FRONT** - (Will be forced on orders with "ship to" states that require a front license plate)
VAV	**FLOOR MATS, ALL-WEATHER** - Ebony deep ribbed rubber (extended and crew cab models also include rear floor mats); requires B30 color-keyed carpeting, not available with BG9 Black rubberized-vinyl floor covering
W03	**HEATED SEATS KIT** - Driver and front passenger; not available with ZW9 pickup box delete
C7A	**GVWR**[5] - 10,000 lbs. (4536 kg); requires LML or LGH Duramax 6.6L turbo diesel V8 engine
9N8	**MIRRORS, AUXILIARY DRIVER AND PASSENGER SIDE 6" (15.2 CM) DIAMETER CONVEX SPOT ADD-ON, STAINLESS STEEL** - With brackets for use with SEO 9F7 west coast style mirrors; mirrors shipped loose in vehicle; (requires SEO 9F7 outside driver and passenger side west coast type, mirrors)
6P3	**MIRRORS, CAMPER, POWER-ADJUSTABLE GLASS, MANUAL EXTENDABLE, HEATED** - Alternative mirrors replacing mirrors that are standard with SEO 5B5 power windows, locks and mirrors on a base decor truck; provides RPO DPN outside heated power-adjustable manual folding vertical camper mirrors consisting of 50 square inch flat mirror surface positioned over a 20 square inch convex mirror surface with a common head; includes turn signals in mirror glass; (requires SEO 5B5 power window locks and mirrors; this option must be ordered and priced in addition to SEO 5B5)
9F7	**MIRRORS, OUTSIDE DRIVER AND PASSENGER SIDE WEST COAST TYPE** - Provides large west coast style mirrors with spring loaded pre-set feature; mirrors are Black; includes cab drillings and mirror assembly shipped loose; (not available with SEO 5B5 power windows locks and mirrors)
DL8	**MIRRORS, OUTSIDE HEATED POWER-ADJUSTABLE** - Black, manual-folding, included and only available with SEO 5B5 power windows, locks and mirrors
DF2	**MIRRORS, OUTSIDE HIGH-VISIBILITY VERTICAL CAMPER-STYLE, BLACK** - Manual folding and extension and lower convex spotter glass
R8G	**ONSTAR**[8] - 1 Additional Year of Safe and Sound Service. Provides 1 year of Safe and Sound service following the first year of OnStar service included in the price of the vehicle. Fleet may also order RFA OnStar Business Vehicle Manager Service; requires UE1 OnStar 1-year Safe and Sound plan. Requires one of the following Fleet or Government order types: FLS, FNR, FRC, FBC, FGO or FEF. Not available with R8P, R8W, R8Y, R8Z, RFG or RFH.
UE1	**ONSTAR**[8] - 1-year of Directions and Connections plan, OnStar services require vehicle electrical system (including battery), wireless service and GPS satellite signals to be available and operating for features to function properly. OnStar acts as a link to existing emergency service providers. Turn-by-Turn Navigation requires ABS and Directions and Connections plan. Not available in certain areas. Visit onstar.com for coverage map. Vehicle Diagnostics capabilities vary by model. Remote door unlock success varies with conditions. Ability to locate stolen vehicles varies with conditions. Subscription Service Agreement required. Call 1-888-4ONSTAR (1-888-466-7827) or visit onstar.com for OnStar's Terms and Conditions, Privacy Policy and details and system limitations.
R8W	**ONSTAR**[8] - 1-Year Directions and Connections Service. Provides an upgrade from Safe and Sound service included in the price of the vehicle in the first year. Fleet may also order RFA OnStar Business Vehicle Manager Service; requires UE1 OnStar 1-year Safe and Sound plan. Requires one of the following Fleet or Government order types: FLS, FNR, FRC, FBC, FGO or FEF. Not available with R8G, R8P, R8Y, R8Z, RFG or RFH.
R8P	**ONSTAR**[8] - 2 Additional Years of Safe and Sound Service. Provides 2 additional years of Safe and Sound service following the first year of OnStar service included in the price of the vehicle. Fleet may also order RFA OnStar Business Vehicle Manager Service; requires UE1 OnStar 1-year Safe and Sound plan. Requires one of the following Fleet or Government order types: FLS, FNR, FRC, FBC, FGO or FEF. Not available with R8G, R8W, R8Y, R8Z, RFG or RFH.
R8Y	**ONSTAR**[8] 2-Years Directions and Connections Service. Provides cumulative 2 Years of Directions and Connections service. In the first year, this is an upgrade from Safe and Sound service included in the price of the vehicle. Fleet may also order RFA OnStar Business Vehicle Manager Service; requires UE1 OnStar 1-year Safe and Sound plan. Requires one of the following Fleet or Government order types: FLS, FNR, FRC, FBC, FGO or FEF. Not available with R8G, R8P, R8W, R8Z, RFG or RFH.
R8Z	**ONSTAR**[8] - 3-Years Directions and Connections Service Provides cumulative 3 Years of Directions and Connections service. In the first year, this is an upgrade from Safe and Sound service included in the price of the vehicle. Fleet may also order RFC 3-Year OnStar Business Vehicle Manager Service; requires UE1 OnStar 1-year Safe and Sound plan. Requires one of the following Fleet or Government order types: FLS, FNR, FRC, FBC, FGO or FEF. Not available with R8G, R8P, R8W, R8Y, RFG or RFH.
RFG	**ONSTAR**[8] - 3 Additional Years Safe and Sound Service. Provides 3 additional Years of Safe and Sound service following the first year of OnStar service included in the price of the vehicle. Fleet may also order RFA OnStar Business Vehicle Manager Service; requires UE1 OnStar 1-year Safe and Sound plan. Requires one of the following Fleet or Government order types: FLS, FNR, FRC, FBC, FGO or FEF. Not available with R8G, R8P, R8W, R8Y, R8Z or RFH.
RFH	**ONSTAR**[8] - 4 Additional Years Safe and Sound Service. Provides 4 additional Years of Safe and Sound service following the first year of OnStar service included in the price of the vehicle. Fleet may also order RFA OnStar Business Vehicle Manager Service; requires UE1 OnStar 1-year Safe and Sound plan. Requires one of the following Fleet or Government order types: FLS, FNR, FRC, FBC, FGO or FEF. Not available with R8G, R8P, R8W, R8Y, R8Z or RFG.
RFA	**ONSTAR**[8] - Business Vehicle Manager Service. Provides OnStar Business Vehicle Manager Service equal to the length of OnStar service, requires one of the following Fleet or Government order types: FLS, FNR, FRC, FBC, FGO or FEF.
8F2	**ORNAMENTATION, DELETE** - Deletes decals and nameplates on truck exterior
9V9	**PAINTS, SOLID** - Doeskin Tan all normally body-colored non-sheet metal parts will be Flat Black. Door handles and mirrors will be Flat Black. This deletes the standard/packaged body-side moldings; requires TGK Special Paint and 01U Special Paint .
9W4	**PAINTS, SOLID** - Tangier Orange all normally body-colored non-sheet metal parts will be Flat Black. Door handles and mirrors will be Flat Black. This deletes the standard/packaged body-side moldings; requires TGK Special Paint and 01U Special Paint .
9W3	**PAINTS, SOLID** - Wheatland Yellow all normally body-colored non-sheet metal parts will be Flat Black. Door handles and mirrors will be Flat Black. This deletes the standard/packaged body-side moldings; requires TGK Special Paint and 01U Special Paint .
9V5	**PAINTS, SOLID** - Woodland Green all normally body-colored non-sheet metal parts will be Flat Black. Door handles and mirrors will be Flat Black. This deletes the standard/packaged body-side moldings; requires TGK Special Paint and 01U Special Paint

5. Gross Vehicle Weight Rating (GVWR). When properly equipped, includes vehicle, passengers, cargo and equipment.
8. Visit OnStar.com for coverage map, system limitations and details.

AVAILABLE OPTIONS (CONTINUED)

TGK	**PAINT, SOLID, SPECIAL** - one color all normally body-colored non-sheet metal parts will be Flat Black. Door handles and mirrors will be Flat Black. This deletes the standard/packaged body-side moldings; requires 01U Special Paint with any special paint selection. May require an extended lead time. RPO B85 body-colored body side moldings, will be deleted when SEO TGK special paint is ordered.
9L4	**POWER SUPPLY, 12-VOLT DIRECT POWER SUPPLY FROM THE BATTERY** - With two (2) separate 30-amp fused circuits; each circuit has a 30-amp mini-fuse for both positive and ground to protect electrical accessories; main supply lead has a 60-amp maxi-fuse; all fuses are serviceable; provides either direct battery power or operation through the ignition system; hook-up wire is located at the front of the floor console; operational amperage is 21-amps each circuit, 42-amps total; hook-up and operational instructions are provided; (requires a fleet of government sales order; requires RPO UE0 OnStar delete and RPO U2J XM Satellite Radio delete; not available with RPO U42 entertainment system, RPO TP2 auxiliary heavy-duty battery, RPO LML/LGH Duramax 6.6L turbo diesel V8 engine or RPO JF4 power-adjustable pedals)
5B5	**POWER WINDOWS, LOCKS AND MIRRORS, WITH UPLEVEL DOOR PANELS ON A BASE TRIM LEVEL VEHICLE** - Provides power driver and passenger front side windows with uplevel door panels on a base level vehicle; includes RPO DL8 outside heated power-adjustable manual folding mirrors, RPO AU3 power door locks and RPO UQ3 speaker system audio system feature; C/K***43 models include rear door power windows and locks; power mirrors can be upgraded to SEO 6P3 camper, power-adjustable glass, manual extendable, heated mirrors; (RPO AU0 remote keyless entry becomes optional on all models and must be ordered and priced if desired) (not available with C42 air conditioning delete)
TRW	**PROVISION FOR CAB ROOF-MOUNTED LAMP/BEACON** - Provides an instrument panel-mounted switch and electrical wiring tucked beneath the headliner for a body upfitter to connect a body-mounted warning or emergency lamp; 30-amp nominal rating (not available with PDD Convenience Package, CF5 power sunroof or UG1 universal home remote; included with VYU Snow Plow Prep Package)
GT5	**REAR AXLE** - 4.10 ratio (requires L96 Vortec 6.0L V8 SFI engine)
AU0	**REMOTE KEYLESS ENTRY** - With 2 transmitters, panic button and content theft alarm, optional on all models when SEO 5B5 power windows, locks and mirrors is ordered; (requires SEO 5B5 power windows, locks and mirrors)
5H6	**SAFETY REFLECTOR TRIANGLE KIT** - Break-down warning kit consisting of three (3) reflective triangles; shipped loose in the cab area for later placement and securing in after-market installation
88B	**SEAT TRIM** - Dark Titanium cloth
AM1	**SEAT ADJUSTER, MANUAL LUMBAR CONTROL ON THE DRIVERSIDE** - (Included and only available with 88B Dark Titanium cloth seat trim)
9U3	**SEATS, DRIVER AND PASSENGER FRONT INDIVIDUAL SEATS IN CLOTH TRIM** - Derived from RPO AE7 40/20/40 split-bench with center 20% section removed; seats are manual, not power and include driver's side only lumbar; does not include floor console; exposed floor areas will remain untrimmed; cloth rear seats with trim matching front seats will be provided on extended and crew cab models; (requires trim code 88B Dark Titanium)
9S1	**SEATS, DRIVER AND PASSENGER FRONT INDIVIDUAL SEATS IN VINYL TRIM** - Derived from RPO AE7 40/20/40 split-bench with center 20% section removed; seats are manual, not power; does not include floor console; exposed floor areas will remain untrimmed; standard vinyl rear seat with trim matching front seats will be provided on crew cab models (requires trim code 88V Dark Titanium)
9U5	**SINGLE BULB TAIL LAMP CALIBRATION** - For bulb outage detection used on aftermarket bodies. Requires ZW9 box delete
NZZ	**SKID PLATE PACKAGE, FRAME-MOUNTED SHIELDS** - Includes front underbody shield starting behind front bumper and running to first cross member, protecting front underbody, oil pan, differential case and transfer case (included with VYU Snow Plow Prep Package)
VYU	**SNOW PLOW PREP PACKAGE** - Includes 10-amp power for backup and roof emergency lamp, high-flow front bumper, forward lamp wiring harness, TRW provision for cab roof mounted lamp/beacon, instrument panel jumper wiring harness for electric trailer brake controller and NZZ Skid Plate Package; requires 4WD models. Includes KW1 160-amp alternator with L96 Vortec 6.0L V8 SFI engine. Includes K76 dual 125-amp alternators with LML/LGH Duramax 6.6L turbo diesel V8 engine
9L3	**SPARE TIRE DELETE** - Deletes the spare tire only; spare wheel and carrier remain; (requires E63 pickup box)
SAF	**SPARE TIRE LOCK** - Keyed cylinder lock that utilizes same key as ignition and door (not available with ZW9 pickup box delete or VF7 rear bumper delete)
5Z4	**SPARE WHEEL AND CARRIER DELETE** - Deletes the base spare wheel and carrier; does not delete jack or tools (requires SEO 9L3 spare tire delete and RPO E63 pickup box; not available with RPO SAF spare tire lock)
VXH	**STEPS ASSIST, CHROMED TUBULAR** - 6" oval (dealer installed); not available with VXJ 3" round tubular assist steps,
VXJ	**STEPS ASSIST, CHROMED TUBULAR** - 3" round (dealer installed); not available with VXH 6" oval tubular assist steps or LML/LGH Duramax 6.6L turbo diesel V8 engine
UF3	**SWITCH, HIGH IDLE** - (Requires K34 cruise control)
ZXT	**TIRE, SPARE** - LT265/70R17E all-terrain, blackwall; included and only available with QXT LT265/70R17E all-terrain, blackwall tires. Available to order when ZW9 pick-up box delete is ordered
ZWF	**TIRE, SPARE** - LT265/70R18E all-season, blackwall; included and only available with QGM LT265/70R18E all-terrain tires or QWF LT265/70R18E all-season tires. Available to order when ZW9 pickup box delete is ordered

AVAILABLE OPTIONS (CONTINUED)

QGM	**TIRES** - LT265/70R18E all-terrain, blackwall; requires PYT 18" (45.7 cm) painted steel wheels
QWF	**TIRES** - LT265/70R18E all-season, blackwall; requires PYT 18" (45.7 cm) painted steel wheels
Z82	**TRAILERING EQUIPMENT, HEAVY-DUTY** - Includes trailering hitch platform and 2.5-inch receiver with 2-inch adapter, 7-wire harness (harness includes wires for: park lamps, backup lamps, right turn, left turn, electric brake lead, battery and ground) with independent fused trailering circuits mated to a 7-way sealed connector, wiring harness for after-market trailer brake controller (located in the instrument panel harness), and single wire for center high-mounted stop lamp (not available with ZW9 pickup box delete or VF7 rear bumper delete)
MW7	**TRANSMISSION, ALLISON 1000 6-SPEED AUTOMATIC, ELECTRONICALLY CONTROLLED** - Overdrive, electronic engine grade braking and tow/haul mode (requires LML/LGH Duramax 6.6L turbo diesel V8 engine)
ZHQ	**TIRE, SPARE** - LT245/75R17E all-season, blackwall; included with QHQ LT245/75R17 all-season, blackwall tires. Available to order when ZW9 pickup box delete is ordered
UY2	**TRAILERING WIRING PROVISIONS, FOR CAMPER, FIFTH WHEEL AND GOOSENECK TRAILER** - includes additional 7-way wiring harness routed to front of pickup box; requires Z82 heavy-duty trailering equipment
U2K	**XM RADIO**[9] - Includes three trial months of service; requires US8 AM/FM stereo with MP3 compatible CD player and UE1 OnStar[8]. XM service available only in the 48 contiguous United States and the District of Columbia. XM Radio subscription required and sold separately after trial period. Fees, taxes, and a one-time re-activation fee, may apply. Subscriptions governed by XM Customer Agreement available at xmradio.com. All fees and programming subject to change. Family programming packages are available
PYN	**WHEELS -** 4-17" x 7.5" (43.2 cm x 19.1 cm) 8-lug chrome-styled steel, includes chrome center caps and steel spare (spare wheel will not cosmetically match the other 4 wheels) spare not included with ZW9 pickup box delete unless a spare tire is ordered
PYT	**WHEELS** - 18" (45.7 cm) painted steel
PYP	**WHEELS** - 17" (43.2 cm) chrome-clad steel; includes NZ4 17" x 7.5" (43.2 cm x 19.1 cm) steel spare wheel. Spare not included with ZW9 pickup box delete unless a spare tire is ordered

8. Visit OnStar.com for coverage map, system limitations and details.
9. XM Radio requires a subscription, sold separately by XM after the trial period. Not available in Canada, Alaska or Hawaii. For more information, visit gm.xmradio.com.

CREW CAB SPECIFICATIONS

	CK20743 4X4 CREW CAB STANDARD BOX	CK20943 4X4 CREW CAB LONG BOX
SPECIFICATIONS		
Front shock absorber diameter, in. (mm)	1.38 (35)	1.38 (35)
Front stabilizer bar diameter, in. (mm)	1.31 (33)	1.31 (33)
Rear shock absorber diameter, in. (mm)	1.38 (35)	1.38 (35)
Turning diameter, curb-to-curb, ft. (m)	50.5 (15.4)	54.8 (16.7)
CAPACITIES		
Front axle, L96, lbs. (kg)	4800 (2177)	4800 (2177)
Front axle, LML/LGH, lbs. (kg)	5200 (2359)	5600 (2540)
Front spring capacity, L96, lbs. (kg)	4800 (2177)	4800 (2177)
Front spring capacity, LML/LGH, lbs. (kg)	5200 (2177)	5600 (2540)
Rear axle, lbs. (kg)	6200 (2812)	6200 (2812)
Rear spring capacity, lbs. (kg)	6200 (2812)	6200 (2812)
Curb weight (L96 engine), lbs. (kg)	6377 (2893)	6525 (2960)
Curb weight (LML/LGH engine), lbs. (kg)	7208 (3270)	7387 (3351)
Cargo volume[3], cargo box, cu. ft. (liters)	60.7 (1719.0)	75.5 (2138.2)
Payload[6], L96, lbs. (kg)	3123 (1417)	3375 (1531)
Payload[6], LML/LGH, lbs. (kg)	2792 (1266)	2613 (1185)
Gross Vehicle Weight Rating[5] (GVWR), L96, lbs. (kg)	9500 (4309)	9900 (4491)
Gross Vehicle Weight Rating[5] (GVWR), LML/LGH lbs. (kg)	10000 (4536)	10000 (4536)
Front Gross Axle Weight Rating (FGAWR), L96, lbs. (kg)	4400 (1996)	4800 (2177)
Front Gross Axle Weight Rating (FGAWR), LML/LGH, lbs. (kg)	5200 (2359)	5600 (2540)
Rear Gross Axle Weight Rating, lbs. (kg)	6200 (2812)	6200 (2812)
Fuel capacity, approximate, gallon (liters)	36 (136)	36 (136)
Seating capacity	6	6

AUTOMATICE TRANSMISSION - WITH BALL HITCH

MODEL	(L96) VORTEC 6.0L VARIABLE VALVE TIMING V8 SFI		(LML) DURAMAX 6.6L TURBO DIESEL V8	
	AXLE RATIO WEIGHT LBS. (KG)	MAXIMUM TRAILERING[7]	AXLE RATIO WEIGHT LBS. (KG)	MAXIMUM TRAILERING[7]
CK20743	3.73	9400 (4264)	3.73	13000 (5897)
	4.10	13000 (5897)	—	—
CK20943	3.73	9300 (4218)	3.73	13000 (5897)
	4.10	13000 (5897)	—	—

Addition of trailer tongue weight cannot cause vehicle weights to exceed Rear Gross Axle Weight Rating (RGAWR) of Gross Vehicle Weight Rating (GVWR)[5].
(Z82) Trailering equipment, heavy-duty, includes trailer hitch platform and trailer electrical connector.

GCWR - ENGINE/REAR AXLE RATIO COMBINATION WITH AUTO TRANSMISSION

	(GCWR) GROSS COMBINATION WEIGHT RATINGS lbs. (kg)		
ENGINE	**16,000 (7,258)**	**20500 (9299)**	**24500 (11113)**
L96 Vortec 6.0l variable valve timing V8 SFI	3.73	4.10	—
LML/LGH Duramax 6.6L turbo diesel V8	—	—	3.73

3. Cargo and load capacity limited by weight and distribution.
5. Gross Vehicle Weight Rating (GVWR). When properly equipped, includes vehicle, passengers, cargo and equipment.
6. Maximum payload capacity includes weight of driver, passengers, optional equipment and cargo.
7. Maximum trailer weight ratings are calculated assuming a base vehicle, except for any option(s) necessary to achieve the rating, plus driver. The weight of other optional equipment, passengers and cargo will reduce the maximum trailer weight your vehicle can tow.

Can specialty vehicle equipment (e.g. radar devices, video cameras, computers, meters, radio trees, shotguns, etc.) still be mounted in cars with passenger side air bags?

Yes, but care must be taken to mount the equipment outside of the deployment zone. Air bags inflate with great force and will interact with any object in the deployment zone. Therefore, to reduce the risk of injury to vehicle occupants, GM recommends that the air deployment zone be kept free of any equipment. If a piece of equipment were to become dislodged it could strike an occupant in the vehicle and result in injury. The likelihood of an object becoming dislodged is influenced by many factors, including the proximity of the object to the inflatable restraint, the size and shape of the object, and the means by which the object is secured to the vehicle. In addition to these factors, the trajectory and velocity of a dislodged object can be influenced by the type and severity of vehicle crash.

Objects that are in the deployment zone, but do not become dislodged by an inflating air bag can still affect the performance of the air bag. For example, such objects could tear the fabric or affect the shape of the air bag, thus reducing the ability of the bag to provide restraint.

Is it possible to shield equipment that is installed in the passenger side frontal air bag deployment zone in a manner that will allow full and safe air bag deployment?

Due to the complexity of influencing variables, GM is unable to evaluate the potential for shielding expected equipment configurations in all accident scenarios in order to assure that the air bag performance would be unaffected. While shielding may protect certain equipment from being damaged or dislodged, it may also negatively affect the inflation characteristics of the air bag. The air bag's shape, inflation angle, fold pattern, and inflation rate and pressure are developed to maximize the protection capability of the inflatable restraint system. Therefore, GM cannot recommend the placement of any equipment in the deployment zone, even if it is shielded to protect it from damage.

Front air bag systems and instrument panel mounted equipment.

Passenger air bags in GM vehicles deploy in different ways depending upon the type of vehicle and the particular instrument panel design.

In some vehicles, the passenger air bag deploys through a discrete door located on the top surface of the instrument panel (top-mount air bag systems). In other vehicles, such as the Chevrolet Tahoe, the passenger air bag deploys through a discrete door mounted on the vertical rearward surface of the instrument panel, above the glove box door (mid-mount air bag system). With these types of top-mount and mid-mount passenger air bag systems, the top pad of the instrument panel remains in place during deployment.

Some GM passenger air bag systems, like the system in the Chevrolet Impala, deploy from beneath the instrument panel top pad. These are considered 3/4-mount air bag systems with a "deployable top pad." The entire instrument panel top pad is the "deployment door" from under which the inflating air bag emerges. When an air bag deployment is commanded, the forces from the inflating passenger air bag push up on the instrument panel top pad, releasing special fasteners across the rearward edge of the top pad. This allows the top pad to rotate upward so that the passenger air bag may emerge. The top pad rotates upward to open widest at the right hand side, and is usually forced upward into contact with the windshield on the right hand side of the vehicle during a deployment.

Instrument panel top mounted special equipment, such as a radar antenna and control unit or video camera must be positioned to the left of the vehicle center line. This equipment must be mounted as low as possible and securely fastened to the top pad to avoid being dislodged in the event of a crash and possible air bag deployment. In the process of securely fastening special equipment to the top, DO NOT fasten down the top pad itself to any other vehicle component such as the cluster trim plate. As described above, the top pad rotates upward during a deployment. In order to enable the proper deployment of the passenger air bag, specialty equipment installation MUST NOT PREVENT the top pad from rotating upward during deployment. Location and attachment of special equipment should minimize added resistance or interference to upward rotation of the top pad during deployment.

Optional side air bags for crashes to the vehicle sides.

The air bag system in your police vehicle may include optional side air bags for front and rear occupants. Most front-to-rear side air bags are designed to deploy downward from the interior roof sides to the bottom of the door windows.

Can Specialty Vehicle Security Barriers be mounted within the side air bag deployment zones?

No. The side air bags inflate extremely fast because of the nature of side crashes to the vehicle. Mounting a security barrier behind the front seats with the ends placed within the side air bag deployment zones will result in unintended interaction between the barrier and the inflating side air bags. To reduce the risk of injury to the vehicle occupants, GM recommends that the side air bag zones be kept free of any customer installed equipment.

Customer furnished equipment installed to the vehicle roof.

Your police vehicle is designed with an interior roof cover system which includes internal components for the interior lamps and wiring. The roof system may also include optional side air bag components. Inflation devices may be mounted on the vehicle roof side behind the rear doors as well as air bag tethers retained to the windshield pillars. Care must be taken to avoid damage to these components or interference with their operation when installing roof mounted equipment such as emergency lamps and communication antennas.

Recommended GM service procedures must be followed to remove and re-install the instrument panel top pad to ensure that the top pad will release properly in the event of a passenger air bag deployment.

On the right half of the top pad closest to the passenger air bag module, GM recommends that no equipment be mounted. When mounting equipment on the driver side of the top pad, GM recommends that the total mass of the top pad mounted special equipment not exceed 8 pounds (3.6 kilograms), since the top pad tends to rotate about the left end.

Fasteners used to secure special equipment to the instrument panel top pad, the windshield glass, or to the windshield upper frame (header), should be selected to ensure that these devices will remain attached during a vehicle crash and possible air bag deployment.

Head curtain side air bags are designed to help reduce the risk of head and neck injuries to front and rear seat occupants on the near side of certain side-impact collisions. Always use safety belts and the correct child restraints for your child's age and size, even in vehicles equipped with air bags. Children are safer when properly secured in a rear seat. See your vehicle Owner's Manual and child safety seat instructions for more information.

Can the installation of push bumpers on the front end of the vehicle affect the deployment of the air bag?

General Motors is not aware of adverse effects during crash events from the many push bumpers that have been installed on GM police vehicles. Because there are many styles of push bumpers available with varying crash characteristics, installation of push bumpers may or may not affect deployment timing of the air bags. Push bumpers should be mounted to avoid modifying the vehicle structure and interfering with the front air bag sensors mounted on the upper radiator support cross member.

Two front impact sensors are installed in General Motors vehicles. Do not relocate or disconnect the front sensors. The location and orientation of the front sensors are critical for correct operation of the air bag system. Avoid mounting components on or near the sensors. Push bumper styles with vertical pushing members that are in fore-aft alignment with the front air bag sensors are not recommended.

How long will the air bag remain inflated?

It takes approximately 1/20th of a second to fully inflate the frontal air bags. This is faster than the blink of an eye. The air bags begin to deflate immediately, helping to stop the occupants more gradually.

Can the air bag system be re-used?

No. The air bags are designed to inflate only once. After inflation some new parts will be required. These will include the air bag module and possibly other parts. (A competent service technician with access to the vehicle's service manual and the required tools should replace the required components after a deployment crash.)

I've heard that the dusts that are released into the passenger compartment from the air bag are harmful. Is this true?

For most people, the only effect the dusts will produce is some irritation of the throat and eyes, and that is only if the occupant remains in the vehicle for many minutes after the air bag deployment with no ventilation and windows closed. However, some people with asthma may develop an asthmatic attack from inhaling the dusts. If this happens, they should first treat themselves the same way their doctor has advised them to treat any other asthma attack, and then immediately seek medical treatment.

When should an air bag inflate?

The driver's and right-front passenger's frontal air bags are designed to inflate in moderate to severe frontal or near-frontal crashes. But they are designed to inflate only if the impact speed is above the system's designed "threshold level."

In addition, if your vehicle has "dual stage" frontal air bags, these air bags tailor the amount of restraint according to crash severity. For moderate frontal impacts, the air bags inflate at a level less than full deployment. For more severe frontal impacts, "dual stage" frontal air bags deploy at full levels.

If the front of your vehicle goes straight into a wall that doesn't move or deform, the threshold level of the reduced deployment is about 12 to 16 mph (19 to 15 km/h), and the threshold level for a full deployment is about 18 to 24 mph (29 to 28.5 km/h). The threshold level can vary, however, with specific vehicle design, so that it can be somewhat above or below this range.

If your vehicle strikes something that will move or deform such as a parked car, the threshold level will be higher. The driver's and right-front passenger's frontal air bags are not designed to inflate in rollover, side impacts, or rear impacts, because inflation would not help the occupant.

Seat mounted side impact air bags are designed to inflate in moderate to severe side crashes. The side impact air bags will inflate if the crash severity is above the designed "threshold level." The threshold level can vary with specific vehicles design. The side impact air bags are not designed to inflate on frontal or near-frontal impacts or rear impacts, because inflation would not help the occupant.

Roof rail mounted head-curtain airbags are designed to inflate in moderate to severe side crashes. In addition, certain vehicles have head-curtain air bags which are also designed to inflate in situations where an impending rollover condition is identified by the vehicle's rollover sensing system and/or frontal or near-frontal impacts if the crash severity is above the designed "threshold level".

Safety belt pretensioners at the driver and front passenger seat positions are designed to deploy in frontal, near-frontal, side, and rear crashes that exceed the "threshold level" of crash severity to help reduce slack in the safety belt. Safety belt pretensioners will also deploy in impending rollover situations.

I've heard that a deployed air bag produces what appears to be smoke. Is the air bag hot?

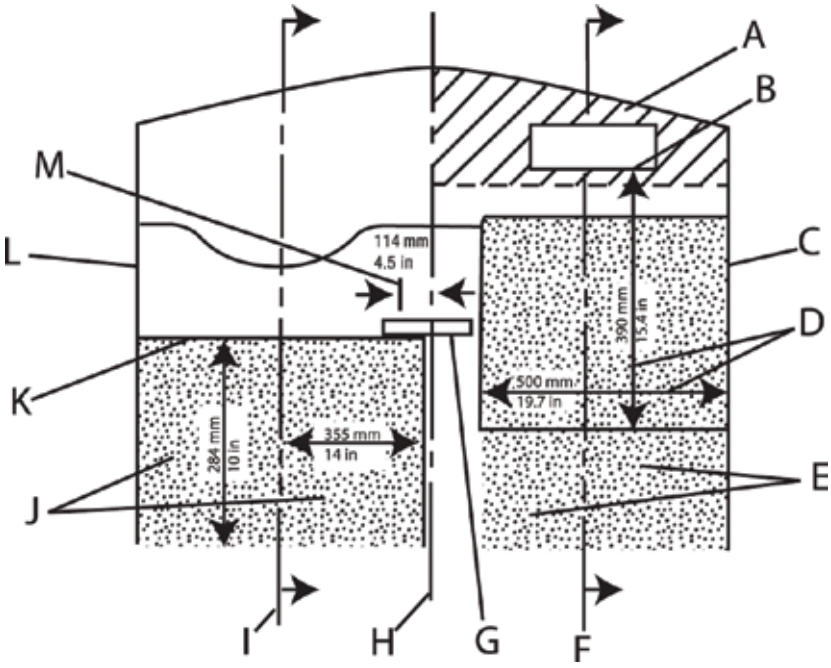
After the bag has deployed in a crash, the air bag itself will not be hot to touch. Some components within the air bag module will be hot for a short time. A small amount of smoke coming from a deployed air bag module is normal and should not be cause for concern.

Also, when the nitrogen gas is vented out of the air bag, small particles from inside the bag are also vented into passenger compartment. These airborne particles look like smoke and some particles are deposited as residue on and around the air bag.

If my vehicle has air bags, why should I have to wear my safety belt?

Air bags are in many vehicles today and will be in most of them in the future. But they are supplemental systems only; so they work with safety belts - not instead of them. Every air bag system ever offered for sale has required the use of safety belts. Even if you're in a vehicle that has air bags, you still have to buckle up to get the most protection. That's true not only in frontal collisions but especially in side and other collisions.

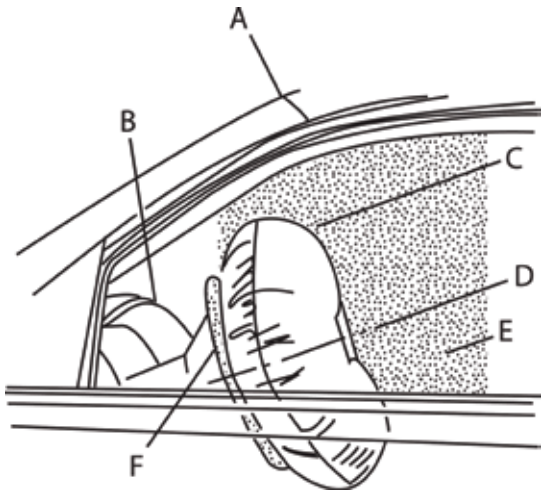
Head curtain side air bags are designed to help reduce the risk of head and neck injuries to front and rear seat occupants on the near side of certain side-impact collisions. Always use safety belts and the correct child restraints for your child's age and size, even in vehicles equipped with air bags. Children are safer when properly secured in a rear seat. See your vehicle Owner's Manual and child safety seat instructions for more information.



TOP VIEW OF INSTRUMENT PANEL AND APPROXIMATE DEPLOYMENT AREA OF THE AIR BAG ZONE

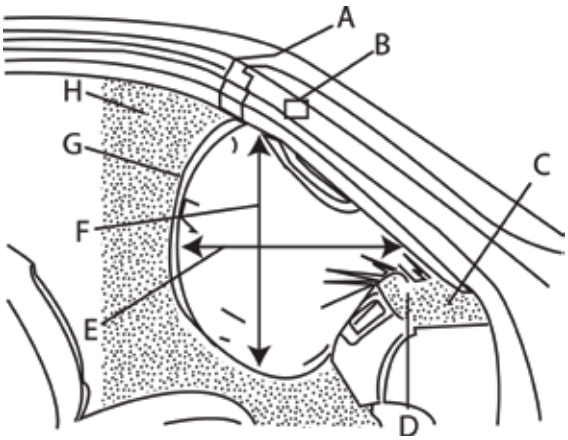
A. Passenger side instrument panel top surface zone
B. Passenger side air bag module trim panel – rear edge
C. Passenger side door
D. Approximate dimensions of inflated air bag
E. Passenger side air bag deployment zone
F. Passenger centerline
G. Inside rearview mirror
H. Vehicle centerline
I. Driver centerline
J. Driver side air bag deployment zone
K. Front of steering wheel
L. Driver side door
M. Shift selector arc

Head curtain side air bags are designed to help reduce the risk of head and neck injuries to front and rear seat occupants on the near side of certain side-impact collisions. Always use safety belts and the correct child restraints for your child's age and size, even in vehicles equipped with air bags. Children are safer when properly secured in a rear seat. See your vehicle Owner's Manual and child safety seat instructions for more information.



SIDE VIEW OF DRIVER SIDE
AIR BAG DEPLOYMENT ZONE

A. Top edge of windshield
B. Top of instrument panel
C. Inflated air bag – steering wheel
D. Centerline of steering column at mid-tilt
E. Driver air bag deployment zone
F. Front of steering wheel

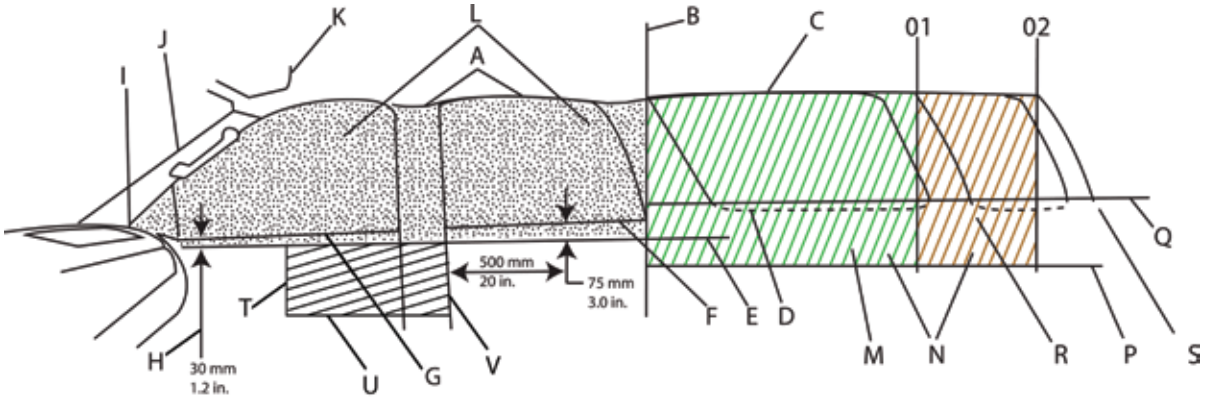


SIDE VIEW OF PASSENGER SIDE AIR BAG
DEPLOYMENT ZONE

A. Top edge of windshield
B. Inside rearview mirror
C. Instrument panel top surface zone
D. Passenger side air bag module trim panel – rear edge
E. Inflated air bag – horizontal dimension approximate 15.4 in (390 mm)
F. Inflated air bag – vertical dimension approximate 9.3 in (490 mm)
G. Inflated air bag – instrument panel
H. Passenger air bag deployment zone

Head curtain side air bags are designed to help reduce the risk of head and neck injuries to front and rear seat occupants on the near side of certain side-impact collisions. Always use safety belts and the correct child restraints for your child's age and size, even in vehicles equipped with air bags. Children are safer when properly secured in a rear seat. See your vehicle Owner's Manual and child safety seat instructions for more information.

HEAD CURTAIN AND FRONT SEAT-MOUNTED SIDE IMPACT AIR BAG DEPLOYMENT ZONES
PASSENGER SIDE SHOWN, DRIVER SIDE SIMILAR



Tahoe/Suburban/Silverado Crew Cab Seat Rows 1 and 2

A. Top of deployment zone – along head curtain at edge of headliner
B. Back of deployment zone – at rear top corner of rear door pad
C. Rear quarter window
D. Bottom outside edge of rear quarter window
E. Bottom of air bag deployment zone – parallel to outside bottom edge of rear quarter glass
F. Top edge of rear door pad
G. Top edge of front door pad
H. Dimension at mirror patch from top edge of front door pad
I. Front of deployment zone at front upper corner of front door pad
J. Windshield pillar trim with grab handle
K. Visor
L. Deployment zone - Tahoe seat rows 1 and 2

Tahoe/Suburban 3rd Row Seats

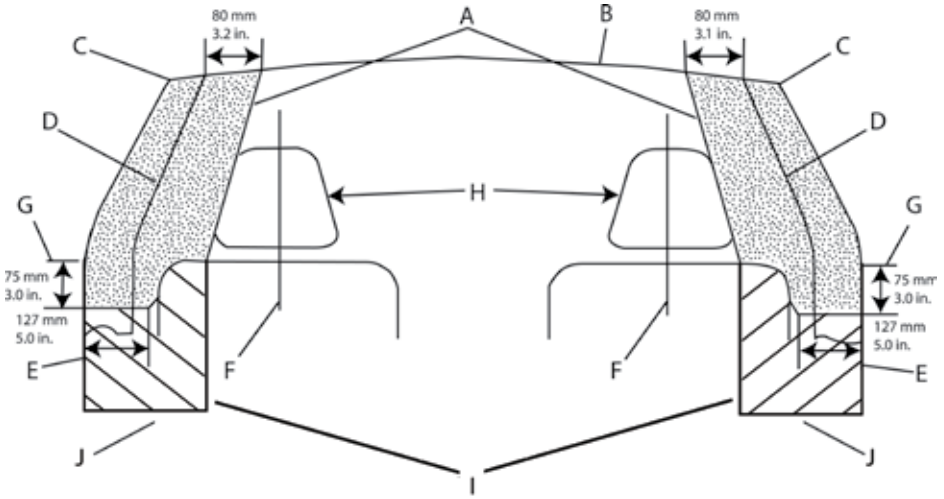
M. Deployment zone - Tahoe 3rd seat
N. Deployment zone - Suburban 3rd seat
O. Rear zones at back corner of headliner: 1 Tahoe, 2 Suburban
P. Bottom of 3rd seat zone at rear side trim cup holders
Q. Top edge of rear quarter trim at window
R. Rear of Tahoe
S. Rear of Suburban

Tahoe/Suburban/Silverado Crew Cab Seat Air bag

T. Center of door trim pull handle
U. Top of surface of outboard front seat cushion
V. Back edge of center pillar trim

Note: The head curtain air bag inflators are mounted in a different orientation on the Silverado Crew Cab pickup truck roof structure from those in the Tahoe/Suburban.

HEAD CURTAIN AND FRONT SEAT-MOUNTED SIDE IMPACT AIR BAG DEPLOYMENT ZONES
VIEW FROM REAR CARGO AREA



A. Head curtain air bag deployment zone
B. Underside of headliner
C. Edge of headliner
D. Inner center pillar trim
E. Inner door pad
F. Seat centerline
G. Bottom of door windows
H. Front seat headrests
I. Seat-mounted side impact air bags deployment zone front seat
J. Top surface of outboard front seat cushion

Head curtain side air bags are designed to help reduce the risk of head and neck injuries to front and rear seat occupants on the near side of certain side-impact collisions. Always use safety belts and the correct child restraints for your child's age and size, even in vehicles equipped with air bags. Children are safer when properly secured in a rear seat. See your vehicle Owner's Manual and child safety seat instructions for more information.

GM offers Anti-Lock Brake Systems as standard or optional on all North American passenger vehicles and light truck lines. The computerized Anti-Lock Braking System (ABS) is designed to keep the vehicle's wheels rotating as the brakes are applied to assist the driver in achieving a controlled stop. Sensors monitor how fast the wheels rotate and feed the data continuously to the ABS computer. The vehicle's brakes slow each wheel as the brake pedal is applied. However, when ABS is activated due to road conditions, the system repeatedly releases and applies pressure to the brakes. The wheels can keep rolling, thus retaining steering ability and enhanced stability while providing a higher braking force on most surfaces than a locked wheel provides.

How exactly does ABS work?

In cars without ABS, hitting the brakes can cause the wheels to lock, leaving you unable to steer the vehicle until you decrease the pressure so the wheels can roll again. With an ABS, as you apply the brakes, the ABS computer monitors the wheel speed sensor information. If the computer senses that a wheel is approaching lock up, it sends a signal to the hydraulic modulator to reduce, then to reapply, brake pressure several times a second for as long as you maintain firm pressure on the brake pedal. The process is much like the threshold braking technique used with conventional brakes. However, ABS does it much faster and more accurately than any driver can, leaving you free to focus on steering away from obstacles.

Does ABS reduce stopping distances?

Yes, in braking situations where the wheels on a non-ABS equipped vehicle would lock up, ABS will generally provide shorter controlled stopping distance. The amount of improvement in stopping distance depends on many factors, including the road surface, severity of braking, initial vehicle speed, etc. On some surfaces, such as gravel roads, braking distances can be longer, but you will still have the control benefits of ABS. The important capability of ABS is control. ABS provides improved vehicle steerability and stability when braking.

What can affect the ABS advantage?

It is important that you follow the maintenance schedule recommended in the owner's manual of the vehicle, tires should be at their proper inflation level, the brake pads should be checked regularly, etc. While driving, you should sit comfortably, so that your hips are back in the seat and your knees are bent, even while braking. Your foot should be positioned so that your heel is on the floor and your toes are secure on the lower half of the pedal. And, though ABS may reduce stopping distance, remember: The faster you go, the longer it takes you to stop. Keeping a safe distance between you and the vehicle in front of you is always necessary, even with ABS.

What happens if ABS becomes inactive?

The ABS electronic control unit has on-board diagnostic capability. If a fault is detected, the vehicle will revert to the base brake system, and the ABS telltale on the dash will be illuminated. Should this happen, the vehicle should be taken to a dealership for repair as soon as possible.

How do I use ABS?

Depress and hold the pedal. DO NOT PUMP THE BRAKES (that prevents the system from working). Just hold the brake pedal down and let the ABS work for you. You may feel the brake pedal vibrate, or you may notice some noise, but this is normal as the system works for you.

Should I drive an ABS equipped vehicle differently than I would drive a vehicle with conventional brakes?

Most of the time, under normal driving circumstances, there is no difference, and you should always drive with the same caution and care. It is important to realize that ABS only makes a difference when it is activated—when you have to brake hard—and that would only be when the computer senses that a wheel is approaching lock up. When ABS activates keep steady pressure on the brake pedal and then let the ABS work for you. Don't pump the brakes or try to find the threshold. Simply hold the brake pedal down and steer if necessary to avoid an obstacle.

Is ABS always active?

ABS is always available, but not always activated. ABS is activated only when the brake pedal is applied and the computer detects an impending wheel lock condition.

Can older cars be retrofitted with ABS?

No! The brake system is one of the most important features on any passenger vehicle.

Several products, which tap into the master cylinder and/or brake system performance, are being sold in the aftermarket. Some of these products imply performance similar to new vehicle anti-lock brake systems.

However, contrary to their claims, add-on systems, which deplete fluid from the master cylinder on brake apply may actually increase a vehicle's stopping distance. This may cause the vehicle to fail to comply with Federal brake standards.

Does ABS always activate at the same speed?

No, the system operates when the computer detects wheel lockup, at any speed above 8 mph.

Will ABS wear out a vehicle's brakes sooner?

A properly maintained brake system will be unaffected by ABS operation under typical driving conditions.

Are there different types of ABS?

Yes, there are rear wheel anti-lock systems (RWAL) used on some trucks and four-wheel ABS available on cars and trucks.

Do Federal Safety Standards mandate ABS?

No. Federal standards establish minimum braking performance requirements that all vehicles must meet, but do not specify how they should be met. It should be noted that even a vehicle with failed ABS meets the Federal safety standard for stopping distances.

Will a tire size change affect ABS?

Use of tires other than original equipment may affect ABS performance. Owners should consult and follow the recommendations contained in the vehicle owner's manual regarding replacement tire size. ***Note: ABS will work with original equipment spare tire or tire chains. However, performance is reduced.***

Do insurance companies give a discount for ABS?

Yes, many insurance companies give discounts that range from 5% to 10%. In the states of New York and Florida all insurance companies are required to give an ABS discount of 5% on certain coverages such as bodily injury, property damage, collision, and personal injury protection. In other states the discount varies from insurance company to insurance company. When buying auto insurance, always ask your insurance agent if his/her company gives a discount for vehicles equipped with anti-lock brakes.

IMPORTANT DRIVING SAFETY TIPS

A. **Always maintain a safe following distance.** ABS does not allow you to stop on a dime. (Generally a 2-second following distance is considered safe in ideal conditions.) Watch the vehicle in front of you pass a fixed marker (such as a sign). Count seconds—one-thousand-one, one-thousand-two-until your front bumper reaches the marker. If you do not count out two seconds, then you are too close to the vehicle in front of you. Also, if the roads are wet or icy, or visibility is poor, you should increase your following distance.

B. **Always drive carefully—** especially on slippery surfaces. ABS cannot create friction between the tires and the road surface, it can only give the driver the maximum advantage of the existing adhesion. If the vehicle is traveling on a surface with no adhesion, the best ABS in the world cannot provide a shorter stopping distance or good steering.

C. **It is a good idea to practice an ABS activated stop** and get the feel of the brake pedal. However, please make sure it's at a safe time with no obstacles in your path. And you only really need to try it once or twice to know what happens.

STABILITY ENHANCEMENT SYSTEMS (StabiliTrak)

Stability enhancement system (StabiliTrak) assists the driver with directional control of the vehicle in difficult driving conditions. Each time the vehicle is started, the StabiliTrak system is fully ON. StabliliTrak can be controlled by a StabiliTrak button on the instrument panel. The condition of the system is displayed by an instrument panel StabiliTrak indicator light and Driver Information Center (DIC) messages. See your owner's manual for additional information about the operation of StabiliTrak.

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