



## CHEVROLET IMPALA 4-DOOR SEDAN 9C1 POLICE PACKAGE - MARKED PATROL

Some standard equipment may be replaced by special equipment when the police package 9C1 is ordered.

This Vehicle Has Been Designed for Police Work Up to and Including High Speed Emergency Vehicle Operations.

### STANDARD EQUIPMENT SUMMARY:

WARRANTY	3 years / 36,000 miles
	<b>INTERIOR FEATURES</b>
AIR CONDITIONING	Dual Zone with Environmentally Friendly Refrigerant (R134a)
SPEEDOMETER/CLUSTER	Analog, Certified (1 mph increments) with Digital Trip Odometer. Warning Lights and Message Center (See message center diagram on Page 20)
FLOOR COVERING	Carpeting Front and Rear (Carpeted Mats Must be Ordered - Option B34)
GLASS	Tinted, Solar Windshield and Backlight, Solar Ray Side Glass
LIGHTING	Auxiliary, Interior, Sustained Illumination
LOCKS	Power (Remote keyless entry not available)
MIRRORS	Visor, LH and RH with Covered Vanity Mirrors, Extenders
RADIO	Electronically Tuned AM/FM Cassette Stereo Radio w/Seek-Scan, Digital Clock, and Extended Range Front and Rear Speakers with Integrated Rear Window Antenna
RESTRAINT SYSTEM	Seat Belts with Driver and Passenger Frontal Air Bags, Plus Driver Seat Side Impact Air Bag
SEATS	Heavy-Duty Front Bucket Seats with Seat Back Security Panel (No Console Between Seats) 6-Way Power Driver's Seat with Manual Reclining Seat Backs and Manual Lumbar Control with Driver Side-Impact Air Bag. Front Passenger has



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	Manual Reclining and Lumbar. Heavy-Duty Rear Seat Cushion, Seat Back and Trim
STEERING WHEEL	Adjustable Tilt Steering Column, Column Mounted Gear Shift Lever
TRUNK MAT	Heavy-Duty (Available Only with Compact Spare Tire)
TRUNK RELEASE	Electric (Not ignition controlled), Button Located Lower Instrument Panel, Left of Steering Column and Manual Inside Trunk Safety Release
WARNING LIGHTS	Brake, Seatbelt, Air Bag, Anti-lock Brake and Check Engine
WINDOWS	Power, with Rear Window Lockout Switch
	<b>EXTERIOR FEATURES</b>
PAINT	Base Coat/Clear Coat
BODY PANELS	Two-Sided Galvanized Steel for All Exterior Body Panels (Except Roof Where Not Needed)
LIGHTS	Daytime Running Lamps (See Switch, Surveillance Mode on Page 19)
WIPERS	Intermittent with High Speed Anti-lift Wiper System on Driver Side
DEFOGGER	Rear Window
KEYS	Single Key Locking System; One Key Operates Ignition and All Locks, Random Key Code for Each Vehicle. For Single Key Locking System to Operate Entire Fleet (See Fleet Coded Single Key Option on Page 11)
LICENSE PLATE	Front and Rear-Mounting Screws Located in Glove Box
MIRRORS	Body Color, Electric LH and RH Remote
MOLDINGS	Integrated Body Side, Argent - Non-removable
WHEEL CENTER CAP	Chrome Bolt-on Steel

## **ELECTRICAL FEATURES**

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SURVEILLANCE SWITCH	For Speedometer Light, Radio Display, Daytime Running Lights, Automatic Headlamps, Dome Light, Shift Position Indicator (PRNDL) and Tail Lights (See Switch, Surveillance Mode on Page 19)
POWER, TRUNK	100 Amp Auxiliary Power Outlet in Trunk
GROUND STUD	Auxiliary (Located in Trunk)
POWER, FRONT	100 Amp Ignition and Main Power Supply Wiring at Instrument Panel

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WIRING DIAGRAMS	(See Wiring-Ignition and Main Power Supply on Page 19 For Description) See Impala Police Package Owner's Manual Supplement (located in glove box folder with standard owner's manual)
WIRING, HEADLAMP FLASHER	Wiring - Forward Lamp In-Line Connector with Power for Flasher
WIRING, TAIL LAMP FLASHER	Wiring - Rear Body Lamp In-Line Connector with Power for Flasher
LOCK-OUT PROTECTION	Prevents the Power Door Locks from Locking the Driver's Door if the Keys are Left in the Ignition

### CHASSIS FEATURES

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ENGINE	3800 Series II SFI V6 with Top Speed Fuel Cut-Off at 129 MPH Includes Wide Open Throttle Air Conditioning Cut Off. (When overhead lights, spotlights, radio antennas, sirens, and other emergency equipment are installed, overall performance may be some-what lower.)
ENGINE CRADLE	Reinforced
ALTERNATOR	125 Amp; 96 Amp @ 725 RPM Idle (Transmission in Park or Neutral with Air Conditioning On), 124 Amp @ 1200 RPM Idle Boost, Based on Battery Voltage
BATTERY	690 CCA with Battery Rundown Protection; automatically shuts off courtesy lights (reading/map lights, visor vanity lights, trunk and glove box lights) to protect the battery. Lights 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)
BRAKES	4-wheel Anti-lock Disc Brakes with Police Calibration and Heavy Duty Front Brake Pads
COOLING	Heavy-Duty (High Capacity) with Heavy-Duty Fans and Extended Life Coolant. Coolant Hoses are EPDM (Ethylene-Propylene-Diene) Rubber; Silicone Hoses are not Required
CHASSIS LUBRICATION	Lubed-for-Life Chassis
EXHAUST SYSTEM	Stainless Steel
FUEL TANK CAPACITY	17 Gallon
OIL COOLERS	Engine, Transmission and Power Steering Oil Cooler: External Air-to-Oil, Fin Type
RADIO SUPPRESSION	Extended Life - Platinum 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.
STARTER INTERRUPT	Prevents the Starter from Engaging if the Driver Attempts to Start the Engine When It Is Already Running
STEERING	Power
STRUTS, FRONT	Reinforced
SUSPENSION	4-Wheel Independent, Firm Ride and Handling with Increased Ride Height Springs,



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**WHEELS** Heavy Duty Front and Rear Stabilizer Bars  
 16" x 6.5" Heavy-Duty Steel  
**TIRES** P225/60R16 SBR Blackwall, "H" Rated with Compact Spare  
**TRANSMISSION** Heavy-Duty 4T65E 4-Speed Automatic, Electronically Controlled  
 (Traction Control is Not Available on Police Package). 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.

ENGINE				TRANSMISSION		AXLE	
OPTION CODE	TYPE	DISPLACEMENT LITERS/CU. IN.	FUEL SYSTEM	OPTION CODE	TYPE	OPTION CODE	RATIO
L36	V6	3.8/231	Sequential Fuel Injection	MXO	4T65E 4-Speed Auto w/OD	FR9	3.29

**FE9** Emissions, Federal Requirements  
**NG1** Emissions, New York or Vermont State Requirements  
**NE1** Emissions, Massachusetts or Maine State Requirements  
**YF5** Emissions, California State Requirements  
**NB8** Emissions Override, California, New York, Massachusetts or Maine (For Vehicles Ordered By Dealers in States of California, New York, Vermont, Massachusetts or Maine with Federal Emissions) (Req: FE9 Emissions)  
**NC7** Emissions Override, Federal (For Vehicles Ordered By Dealers in Federal Emissions States With California, New York, Vermont, Massachusetts, or Maine Emissions: May Also Be Used By Dealers in States of California, New York, Vermont, Massachusetts or Maine to Order Different State-Specific Emissions) (Req: NG1, NE1 or YF5 Emissions)



SEO NO.	MANUFACTURER	QUANTITY	SIZE	SPEED RATING	TYPE
QTI	Goodyear	Four	P225/60R16 SBR Blackwall	H	All-Season RSA

NOTE: Compact spare is standard

- NOTE:
- Heavy-duty rear seat cushion and trim
  - Seat option and color code must be specified
  - Console with cupholders are not available on 9C1 Model

	SEAT OPTIONS	REGAL BLUE	NEUTRAL
STANDARD Front Buckets with Rear Bench/Cloth Front and Vinyl Rear	AR9	27G	52G
OPTIONAL Front Buckets with Rear Bench/Vinyl Front and Rear	AR9	27N	52N
Front Buckets with Rear Bench/Cloth Front and Rear	AR9	27E	52E

## MAINTENANCE

### 1.1 MAINTENANCE Package (Optional)

#### 1.1.1 Maintenance Levels

The System Operators or Technical Personnel are responsible for the following Maintenance tasks and include the following:

- i. Preventive Maintenance such as Inspections.
- ii. Preventive Maintenance such as Cleaning.
- iii. Preventive Maintenance such as Services.
- iv. Corrective Maintenance such as Replacement of Items with a High Failure Rate or Wear-out Rate and which can be replaced with ease.
- v. Corrective Maintenance by Replacement of LRU's (Line Replaceable Units, Assemblies, Sub-assemblies etc.) with a High Failure Probability, High Criticality and which are within the Capability.
- vi. Recovery of Equipment from the Deployment or Units to a maintenance level for Corrective Maintenance.



### **1.1.2 Maintenance Equipment**

Available at all repair facilities

- i. Operating Equipment and Accessories.
- ii. Maintenance Equipment. (Toolboxes)
- iii. Maintenance Items.(Service Packages)
- iv. Spares as required.
- v. Support Equipment as required.
- vi. Special Support and Test Equipment as required.
- vii. Common Support and Test Equipment as required.

## **1.2 MAINTENANCE ELEMENTS**

### **1.2.1 Documentation**

The following documentation is used for vehicle Maintenance:

- i. Operators Maintenance Manual (OMM) for the Operators Maintenance Tasks.
- ii. Maintenance Schedule for the definition of all Preventive Maintenance.
- iii. Workshop Repair Manual (WRM) for Technical Maintenance Tasks.
- iv. Illustrated Parts Breakdown (IPB) to identify Spare Parts.
- v. Illustrated Stock List (ISL) to identify Support Equipment and Spares.

### **1.2.2 Support Equipment**

The following types of support equipment are used for Maintenance:

- i. Support Equipment carried in the Equipment ETS Boxes including Operating Equipment, Accessories and Maintenance Equipment.
- ii. Support Equipment as required for Preventive and Corrective Maintenance.
- iii. Support Equipment required and consists of Special Tools and Common Equipment which are within the Capability.

### **1.2.3 Spares**

The following types of spares are required for Maintenance:

- i. Spares kept in the Equipment ETS Boxes.
- ii. Preventive and Corrective Maintenance Spares.



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### 1.2.4 Personnel

The following operating and or technical personnel are located at all repair facilities:

- i. Auto Electricians for Vehicle and PSU Electrical.
- ii. Auto Mechanics for diesel and petrol engines.

### **Armoring**

Vehicle Armoring is available in all different levels depending on customer preferences. For more information on armoring levels please visit

[www.mushriquiconsulting.com/armorlev.htm](http://www.mushriquiconsulting.com/armorlev.htm)