

1966 CHEVELLE



OWNER'S GUIDE

A WORD FROM CHEVROLET . . .

This Owners Guide contains important information regarding the operation and maintenance of your Chevelle.

In order to obtain maximum enjoyment and usage from your car, we suggest that you familiarize yourself with the contents of this booklet and follow the recommendations outlined.

Your Chevrolet dealer has the trained personnel and specialized equipment to properly service your Chevelle. Have him inspect your car and perform any maintenance or adjustments required.

We would like to take this opportunity to thank you for choosing a Chevrolet product—and assure you of our continuing interest in your motoring pleasure and satisfaction.

CHEVROLET MOTOR DIVISION • GENERAL MOTORS CORPORATION
DETROIT, MICHIGAN 48202

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All information contained in this booklet is the latest product information available at the time of printing. The right is reserved to make changes at any time without notice.

YOUR CHEVELLE'S FIRST FEW HUNDRED MILES OF DRIVING

Sound design and precision manufacturing methods will permit you to operate your new Chevelle without adhering to a formal "break-in" schedule. However, during the first few hundred miles of driving you can, by observing a few simple precautions, add to the future performance and economy of your car.

- It is recommended that your speed during the first 500 miles be confined to a maximum of 60 M.P.H., but do not drive for extended periods at any one constant

speed, either fast or slow. During this period, avoid full throttle starts and, if possible, abrupt stops.

- Gentle braking during the first few hundred miles of operation will result in longer brake life and better future performance. Avoid hard stops especially during the first 200 miles of operation since brake misuse during this period will destroy much future brake efficiency.

- Always drive at a moderate speed until the engine has completely warmed up.



DRIVING FOR ECONOMY

Proper maintenance and wise operation will combine to help you achieve maximum fuel economy with your automobile. Your Authorized Chevrolet Dealer can properly tune and maintain your car but wise operation is your

responsibility. Give the car sufficient warm-up time, do not make full throttle starts or sudden stops, and drive at reasonable speeds and as steadily as traffic permits to gain the benefits of all the economy built into your automobile.

OPERATING INSTRUCTIONS



IGNITION SWITCH

The ignition switch has four positions as shown. The key may be removed only when the switch is in the OFF position. The key must be pushed "in" as you turn to ACCESSORY position for operating the accessories when the engine is not running.

STARTING THE ENGINE

AUTOMATIC TRANSMISSION—Place selector lever in N or P position. The engine will not start when lever is in any other position.

MANUAL TRANSMISSION—Place gearshift control lever in Neutral and depress clutch pedal to the floor.

- **ENGINE COLD**—depress accelerator pedal to floor and release. This presets the automatic choke.
 - **ENGINE HOT**—depress the accelerator pedal part way down and hold while starting.
 - **DURING EXTREMELY COLD WEATHER** (0° F. and below)—depress the accelerator pedal part way down and hold while starting.
- Turn ignition switch to START and release as soon as engine starts.
- **"FLOODED" ENGINE**—Depress accelerator pedal to floor and hold while cranking engine. Never "pump" the accelerator pedal.

WARM-UP

Always let the engine idle for a moment or two after starting and drive at moderate speeds for several miles, especially during cold weather.

CAUTION: Carbon monoxide is a poisonous gas produced by the engine of any car. It is odorless, so you cannot detect its presence. Be safe. Never start or run engine in a closed garage, or park with the windows closed and the engine running.

DRIVING WITH THE CHEVELLE MANUAL TRANSMISSIONS

The 3-speed manual transmission shift positions follow the standard pattern shown. The 4-speed transmission shift pattern diagram is located on the floor plate. Depress the clutch pedal fully before shifting to a different gear, then release the pedal to move in that gear. Shift into a lower gear, when slowing down, before the car begins to "lug" or labor and also when descending steep hills. Both transmissions, being fully synchronized, may be downshifted into 1st gear at any speed below 20 mph. Shift into reverse gear only after the car has stopped. Always depress and release the clutch pedal fully when shifting.

When a push start is necessary turn off all electrical loads such as heater, radio, and, if possible, lights, turn on the key, depress the clutch, and place the shift lever in 3rd gear. Release the clutch when your speed reaches 10 to 15 miles per hour. Extra effort will be required to operate power steering and power brakes until the engine starts.

FOUR SPEED TRANSMISSION REVERSE SHIFT—Lift up on the reverse release cable handle just below the shift lever knob when shifting into reverse gear. The



shift linkage may be adjusted to allow "short stroke" shift lever operation. See your Chevrolet Dealer.

DRIVING WITH THE OVERDRIVE TRANSMISSION

The optional Overdrive transmission provides an automatic 4th or cruising, gear. With the Overdrive control handle pulled "out," the unit is operating as a standard 3-speed transmission. Push the handle fully "in" at any time to engage the Overdrive. The unit then will operate as follows: At speeds of 30 mph and over, the transmission may be automatically shifted into 4th gear by momentarily releasing the accelerator pedal. Shift

back into 3rd gear for fast acceleration by momentarily flooring the accelerator pedal. Below 26 mph the unit will automatically return to standard drive. To lock Overdrive out while moving, floor the accelerator pedal momentarily and, at the same time, pull out the Overdrive handle. For push starts, the handle should be fully "out."

DRIVING WITH THE POWERGLIDE AUTOMATIC TRANSMISSION

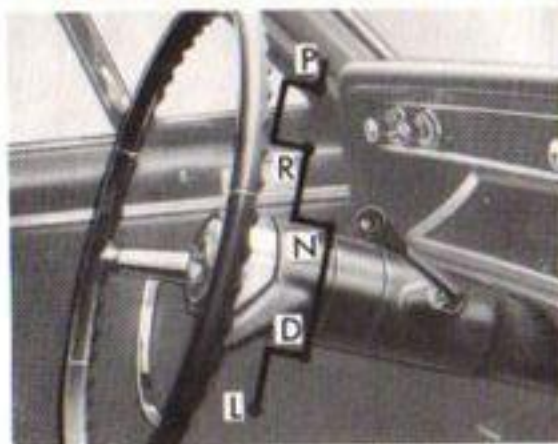
The Powerglide is a completely automatic transmission which replaces the standard clutch and transmission. After starting the engine with the selector lever in N (Neutral) or P (Park) position, select the range desired (see tables below) and depress the accelerator. A gradual start with a steady increase in accelerator pressure will result in greatest fuel economy. Rapid acceleration for fast starts will result in greater fuel consumption.

COLUMN SHIFT LEVER

The heavy line in the illustration below indicates the movement of the shift lever as it is lifted to shift into Reverse or Low and into or out of Park position.

FLOOR CONSOLE SHIFT LEVER

The floor console shift lever may be moved freely between Neutral and Drive. Press lightly on the shift lever button as you shift into Reverse or Low. Depress the button fully when shifting into or out of Park position. Exercise care in depressing the shift lever button to prevent unintentional shifts into Park, Low or Reverse.



P—PARK	Use only when car is stopped.
R—REVERSE	For backing car—from stop.
N—NEUTRAL	For standing (Brakes Applied).
D—DRIVE	For forward driving. Depress accelerator to floor for extra acceleration below 45 mph—V-8, 40 mph—L-6.
L—LOW	For hard pulling through sand, snow or mud, and for climbing or descending steep grades. Do not shift to L above 40 mph.

● **Holding Car on an Upgrade**—When stopped on an upgrade, maintain your position by applying the brakes. Never hold the car in place by accelerating engine. This could cause damage by overheating the transmission.

● **"Rocking" Car**—"Rock" the car to free it from mud, sand or snow by slightly accelerating the engine as required and moving the transmission selector lever between D and R positions. Release accelerator while moving selector between D and R positions.

● **Pushing to Start (Powerglide)**—Turn off all electrical loads such as radio, heater and, if possible, lights until the engine starts.

With the ignition key turned ON and the transmission in N (neutral), allow the car speed to reach 25 to 30 miles per hour. Then shift the transmission to L (low) position. After the engine starts, the transmission may be operated in the normal manner. Never tow the car to start.

Extra effort will be required to operate the power brakes and power steering until the engine starts.

● **Towing**—The car may be towed safely on its rear wheels with the selector lever in "N" (Neutral) position at speeds of 35 miles per hour or less under most conditions.

However, the drive shaft must be disconnected or the car towed on its front wheels if 1) Tow speeds in excess of 35 mph are necessary, 2) Car must be towed for extended distances (over 50 miles), or 3) Transmission is not operating properly. If car is towed on its front wheels, the steering wheel should be secured to maintain a straight ahead position.

● **Parking Your Car**—Always engage the parking brake and place the transmission selector lever in "Park" position when leaving your car unattended.

DRIVING WITH POSITRACTION

The optional Positraction rear axle will give you constant driving force on both rear wheels, especially helpful in the winter and during other slippery driving conditions which might stop a conventionally equipped vehicle. During turns, the positraction axle applies the major driving force to the inside rear wheel thus improving

stability and cornering. Normal light throttle application will supply maximum traction. When starting with one rear wheel on an excessively slippery surface, slight application of the parking brake may be necessary momentarily to gain maximum traction.

INSTRUMENTS



The instruments, gauges and warning lights conveniently grouped in the instrument cluster are designed to tell you at a glance many important things about the performance of your car. The information on this and the following two pages will enable you to more quickly

understand and properly interpret these instruments. Familiarize yourself with their location and purpose and make it a practice to scan the instrument cluster as you start the engine, after it starts, and periodically as you drive.

FUEL GAUGE

This electrically operated gauge registers correctly when the ignition switch is in the "on" position. When the ignition switch is turned "off," the needle will not necessarily return to the empty mark but may stop at any point on the dial.





ENGINE TEMPERATURE INDICATOR LIGHT

An indicator light is provided in the instrument cluster to indicate a normal operating engine temperature and also quickly warn of an over-heated engine. As you start the car, the red indicator light will go on to let you know that it is operating properly.

After the engine starts, the red light will go out immediately. It will light up at no other time unless for

some reason the engine reaches a dangerously high operating temperature. If the red light should come on, the engine must be stopped until the cause of the overheating is corrected.

Check this light frequently as you drive. Engine temperature is normal as long as the red light is off.

OIL PRESSURE INDICATOR LIGHT

This light will be on when the ignition switch is turned on and should go out after the engine is started. Occasionally the light may be seen to flicker momentarily, but this will do no harm. However, if the light re-

mains on during normal driving speeds, the engine should be stopped until the cause of the trouble can be located and corrected. Driving the car with low oil pressure can cause serious engine damage.

GENERATOR INDICATOR LIGHT

This light provides a quick check on the generating system of your Chevelle. The red light will be on when the ignition key is in the "on" position, but before the engine is started. After the engine starts, the light should

go out and remain out. If the light remains on when engine is running, have your Authorized Chevrolet Dealer locate and correct the trouble as soon as possible.



PARKING BRAKE INDICATOR LIGHT

The parking brake warning light, when installed, will flash (if the ignition key is in the "on" position) whenever the parking brake is applied to warn you to release the parking brake before attempting to drive your Chevelle. Operation of the parking brake is covered on Page 14 of this book.

HEADLIGHT BEAM INDICATOR LIGHT

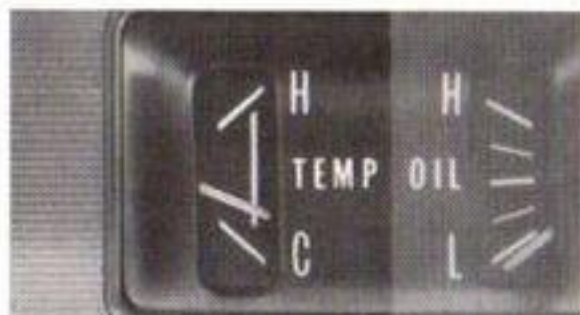
The headlights of your Chevelle have high and low beams to provide you with proper night-time visibility during all driving conditions. The "low" beams are used during most city driving. The "high" beams are especially useful when driving on dark roads since they provide excellent long range illumination. The headlight beam indicator will be on whenever the high beams or "brights" are in use. The Headlight Beam Switch controls the headlight beams (see Page 13).

SUPER SPORT MODEL INSTRUMENTS AND GAUGES



Tachometer

The optional Tachometer indicates the speed of the engine in revolutions per minute. The yellow area on the face of the tachometer indicates the highest recommended engine rpm. Engine operation causing tachometer indications in or above the red area can lead to serious engine damage.



Engine Temperature Gauge

This gauge indicates coolant temperature which will vary with air temperature and operating conditions. Hard driving or prolonged idling in very hot weather may produce above normal readings. The ignition switch must be on for accurate readings.



Oil Pressure Gauge

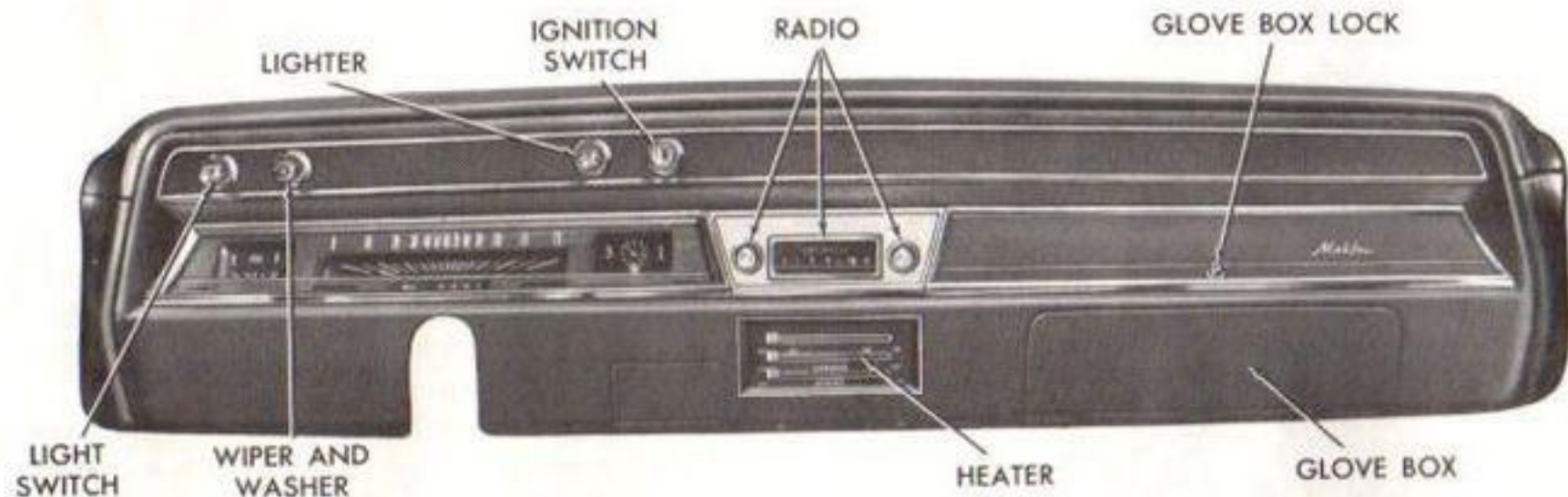
This gauge indicates the pressure at which oil is being delivered to the various parts of the engine requiring lubrication. Pressures registered by the gauge may vary according to outside air temperatures or weight of oil being used. Oil pressure of a cold engine being operated at a given speed will be somewhat higher than when the engine is at normal operating temperature at the same speed. Prolonged high speed operation on a hot day at the given speed will result in somewhat lower oil pressure readings.



Ammeter

The ammeter indicates whether the battery is being charged or discharged. The Delcotron charging system is equipped with a regulator which controls the charge according to battery requirements. When the Delcotron generator is supplying more than the current demand, the ammeter will indicate a charging rate. If the current demand is more than the Delcotron output a discharge will be indicated. With the battery fully charged, the charging rate will be low, thus giving an indication of battery condition.

CONTROLS



LIGHT SWITCH

The three position light control switch controls the headlights, taillights, parking lights, instrument lights and dome lights as shown. The headlight and parking light circuits are protected by a circuit breaker in the light switch. An overload will cause the lights to "flicker" on and off. If this condition exists, have your Authorized Chevrolet Dealer check your headlight and parking light wiring immediately.



HEADLIGHT BEAM SWITCH

"High" and "low" headlight beams are controlled by the floor button at your left foot. The indicator light, located in the instrument cluster, will show "BRIGHT" when the high beams are in use. Always use "low beam" when approaching or following other cars.



TURN SIGNAL LEVER

Move the lever up for a right turn and down to indicate a left turn. The instrument panel indicators will flash to indicate the direction of the turn being signaled. When the turn is completed, the lever will return to neutral. In the event of a very wide turn, it may be necessary to turn off the signal manually.



LIGHTING SYSTEM TROUBLE CHECKS

- If the instrument panel lights are inoperative, check both the tail light fuse and the instrument panel fuse.
- When the turn signal indicator comes on but does not flash, check for burned out turn signal or stop lamp or see if the wrong flasher is being used.
- If the turn signal indicator action is extremely rapid, it is probable that the wrong flasher has been installed.
- If the turn signal indicator comes on but no clicking is heard, replace the flasher.
- Replace the turn signal indicator bulb if the flasher "clicks" but the turn signal indicator does not come on.
- If the headlights flicker on and off, see your Authorized Chevrolet Dealer immediately.

SELF ADJUSTING BRAKES

All Chevelles are equipped with self-adjusting brakes which eliminates periodic brake adjustments. The self-adjusting mechanism is actuated, as needed, every time the car is moved in reverse and the brakes applied. It is possible, however, for excessive brake pedal travel to develop if the required reverse movement with a brake application does not take place during a prolonged period of stop and go forward driving. Should this occur, the car should be driven backward and forward with the brakes

applied at the end of each directional movement, until the brake pedal travel is back to normal. If this procedure fails to restore normal pedal travel, or if any abnormally rapid increase in pedal travel is experienced, immediate inspection should be made by your Authorized Chevrolet Dealer. Care should be exercised to assure that full brake pedal travel cannot be obstructed by improper floor mats or other interfering material under the pedal.

Power Brakes

Cars equipped with power brakes utilize engine vacuum to reduce the braking effort to much less than is required with regular brakes. A built-in vacuum reserve

will supply two or more power assisted brake applications after the engine has stopped. After this, additional foot pressure will be needed for brake response.

Parking Brake

The foot pedal type parking brake is designed to apply the rear wheel brakes when the pedal is pushed. To release the parking brake, pull the "Brake Release" handle. The pedal then returns to normal position. The parking brake indicator light is located and described on page 10.

METALLIC BRAKE LININGS

Vehicles equipped with optional metallic brake linings, whether with standard or power brakes, will require somewhat more relative pedal pressure when cold than conventional brake linings. This condition will exist only until the units warm up, several stops at most.



CLUTCH ADJUSTMENT

Clutch adjustment should be checked and adjusted periodically as necessary to compensate for clutch facing wear. To check, depress pedal by hand until resistance is felt. Free travel of pedal should be approximately $\frac{3}{4}$ -inch; if very little or no free travel is evident, clutch adjustment is required.

WINDSHIELD WIPER AND WASHER

Turn the control knob clockwise to start the electric windshield wiper. The two-speed electric wiper has both a "low" and a "high" speed position.

The washer operating button is located in the center of the wiper control knob. Pressing the button will send a measured amount of water or other cleaning agent onto the windshield and will also cause the wiper knob to turn, thus starting the wiper motor. The wiper will then continue to operate until manually turned off at the wiper knob.

Keep the water container under the hood filled at all

times. Avoid operating the washer when jar is empty. G.M. Windshield Washer Solvent and Anti-freeze added to the water aids in cutting road film and grease from the windshield, and prevents freezing in the winter.

Solvent should be used according to the directions on the bottle. Be certain to use the correct concentration during freezing weather.

Fill the washer jar only $\frac{3}{4}$ full during the winter months to allow for expansion if the temperature should fall low enough to freeze the solution.





Antenna

The AM radio antenna is adjustable and is most effective when fully extended.

The AM/FM antenna is a front mounted unit which has a fixed length thus assuring the highest quality in FM reception.

CHEVELLE "ALL TRANSISTOR" RADIOS

To operate the radios, the ignition switch must be in "ON" or "ACC" position.

• • • Manual AM Radio

The left hand radio control knob is the "on-off" switch and volume control knob. At its base is the tone control knob with which the radio tone may be varied from bass to treble.

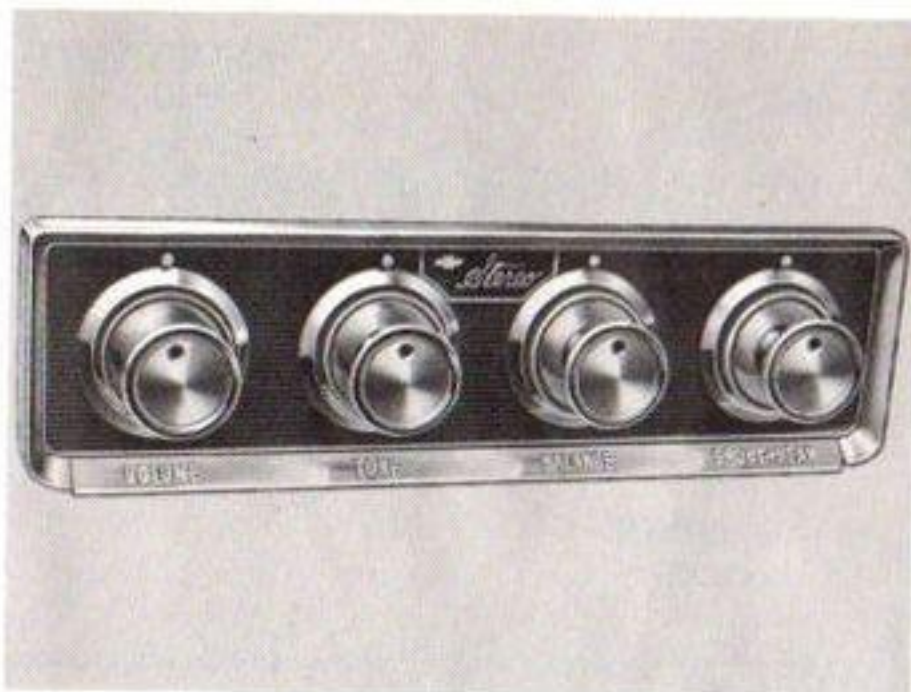
The right hand knob is the manual station selector. When the optional rear seat speaker is installed, a knob at the base of the station selector knob allows use of either front or rear speaker, or both speakers simultaneously.

• • • Push Button AM Radio

In addition to the manual controls, the Push Button Radio provides five push buttons with which to automatically select preset stations. To preset, allow the radio several minutes to become thoroughly warmed up, pull the push button "out" as far as it will go, tune in the desired station manually and then push the button fully "in." Repeat this operation for each push button.

• • • AM/FM Radio

In addition to providing standard AM reception, this set permits you to receive clear static-free FM broadcasts. Move the slide bar, above the radio dial, to the right or left to select AM or FM reception. All other controls remain the same as described for Manual and Push Button radios. FM broadcasts may be received as far as 25 miles from the sending station, depending on the power of the station and the existing terrain. In fringe areas, it may be possible to retune the radio slightly to maintain peak reception. If not, retune to a closer or stronger FM station or switch to AM operation. Push buttons may be set for either AM or FM stations or may be divided between the two.



● ● ● Stereo Multiplex Adapter

The Stereo Multiplex Adapter permits FM stereo reception with the AM/FM radio. Radio controls are used to turn the set on and off and for station selection. Controls on the adapter are **Volume**, **Tone**, **Balance** (to balance the volume of the right and left speakers), and **Front-Rear** (to balance the front and rear speakers). For most pleasing stereo effect the speakers are criss-crossed, with the left front and right rear speakers reproducing the left channel and the opposite speakers reproducing the right channel. The indicator light on the adapter will be on when the radio is tuned to an FM stereo station. Most broadcasts on such stations will be in stereo.

● ● ● To Tune Your Stereo Radio

- Tune the radio to a monaural FM station (one which does not cause the indicator light to come on).
- Set the FRONT-REAR control on the Stereo adapter to FRONT.
- Adjust the BALANCE control until the volume from both front speakers sounds equal.
- Adjust the FRONT-REAR control so that the volume from front and rear speakers sounds equal.
- Turn to an FM Stereo station (one which causes the indicator to light up) and regulate the VOLUME and TONE controls as required

KEYS, DOORS AND LOCKS

The octagonal-end key operates the ignition switch, front door locks and (on station wagons) the tailgate of your Chevelle.

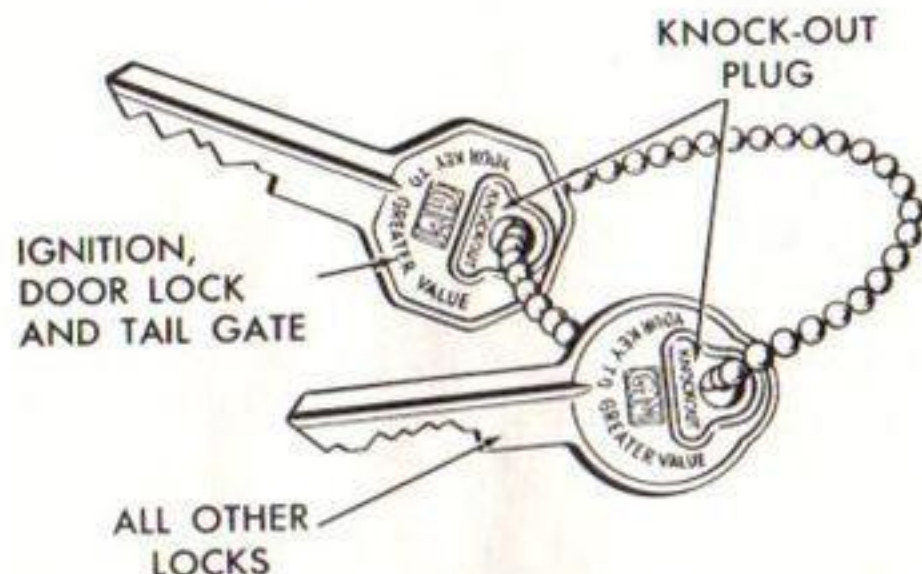
The round-end key operates the locks for the glove box, seat divider compartment on Super Sport models, trunk, and, on two seat station wagons, the optional luggage space lid lock.

Each key has a removable knockout plug on which is stamped its serial number. Record this number so that you may have duplicate keys made in the event that the originals are lost. After recording the number, it is recommended that you remove the knockout plug, using a hammer and punch, and discard it so that your key cannot be duplicated by anyone else.

Door Locks

Chevelle door locks are designed for passenger safety as well as to assure the security of your car and your possessions. Always keep the doors locked when driving as well as when leaving the car unattended.

To lock each door from the outside, depress the inside locking button, hold the outside door handle opening button fully down and firmly close the door. Lock doors from inside by depressing the locking buttons located on the window sills.



Unlock the doors from outside by means of the ignition key (front only) or from inside by lifting up on the inside locking button.

The front doors, whether locked or unlocked, may be opened from inside by lifting the inside door release handle.

The rear door release handles are inoperative whenever the inside locking button is depressed. This button must be lifted before the rear doors can be opened from either inside or outside. (This feature is of particular value if young children ride in the back seat.)

HEATER



Push the AIR-FAN lever to the right to "AIR" to allow outside air to pass through the heater. Further movement of the lever operates the low, medium and high speeds of the fan.

Adjust TEMPERATURE lever as required to give the desired degree of heat. Full right position provides maximum heat.

Move the DEFROSTER lever to the right when windshield defrosting is needed. Full right position diverts the entire air flow to the defroster. Vary TEMPERATURE lever as required.

Heater Operating Tips

Always brush snow from the hood and air inlet in front of the windshield before operating the heater.

Keep all windows and vents closed to eliminate dust, road and wind noise and uncomfortable drafts.

Operate the heater for several minutes before turning on the defroster.

For most satisfactory heater operation and air cir-

culation, operate fan on low or medium speeds for normal operation and high speed for quick warm-up and during extremely low temperatures.

For adequate rear seat heating, the area beneath the front seat must not be blocked by carpeting, rags, paper or other material.

For additional summer ventilation move the DEFROSTER and AIR levers to fully open and operate the fan as desired.

FOUR SEASON AIR CONDITIONING SYSTEM

Optional Four Season Air Conditioning blends heating and cooling units into a single system to provide com-

Heating



For maximum heat, move the OUTLETS and the TEMPERATURE lever fully right (the upper lever will move automatically to OUTSIDE air position) and push the FAN switch (a three-speed switch) fully down. Heated air will flow through the heater floor distributor outlet.

Vary the heater output to satisfy your comfort requirements by moving the FAN switch and the TEMPERATURE lever as required.

To defrost, operate the heater as described above, but with the lower lever moved fully right to divert the entire airflow to the defroster outlets. Moving the DEFROSTER lever back toward the left will split the airflow between the defroster outlets and the floor distributor outlets in proportion to the movement of the knob. See "Heater Operating Tips."

plete comfort control during any season of the year.

Cooling



For maximum cooling capacity when first turning on the system and during periods of extreme heat and humidity, move all four levers fully left and push the FAN switch fully down. Cooled, recirculated air flow will enter the car through the adjustable instrument panel outlets and knee level outlets.

During periods of less severe heat and humidity, the upper lever may be set above the word AIR. During more temperate weather conditions, move the upper lever to the right for full outside air.

Vary the FAN switch (which must be turned "ON" during cooling operations) and the TEMPERATURE lever as necessary to satisfy your comfort requirements.



Bi-Level Operation

Set the control knobs as shown to supply heated air at the floor and cooler air at the dash outlets. Vary temperature control and fan speed as desired.

Four Season System Conditioned Air Outlets



The barrel type center outlet may be turned to direct air flow up, down, straight out or shut off completely.

The ball type outlets at the ends of the instrument panel may be rotated to supply either a direct or a diffused air flow and may be positioned to provide a complete shutoff.



For additional conditioned airflow to the floor, open the swivel cover on the bottom of the conditioner air duct as shown at the right.



Two outlets on the air duct below the dash panel may be opened to provide cooled air-flow at knee level. Rotate the outlets to the full down position to shut them off.



CUSTOM AIR CONDITIONING SYSTEM



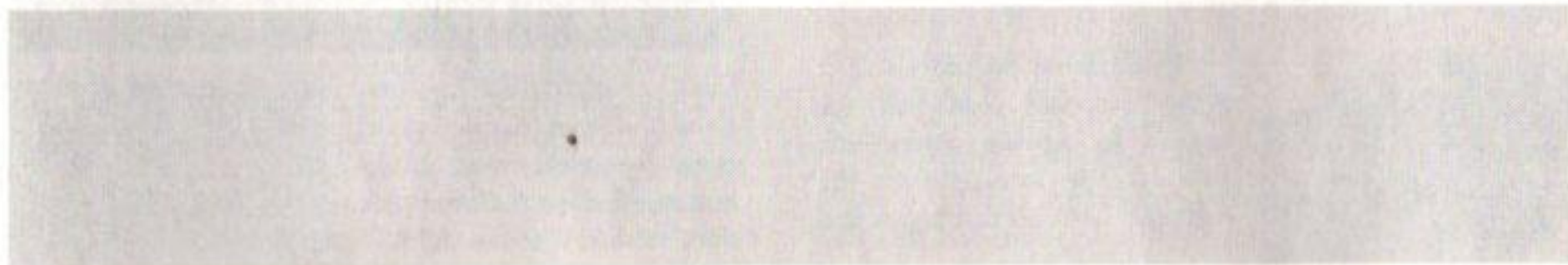
The Custom Air Conditioning System will provide you with warm weather driving comfort.

- Turn the FAN knob to control the three-speed blower as desired.
- The TEMP-COOL knob may be regulated to provide the degree of cooling desired. Fully clockwise provides maximum cooling.
- For most efficient cooling when driving at elevation of 4000 feet or more, turn the TEMP-COOL knob slightly counterclockwise.

AIR CONDITIONER OPERATING TIP

Close all windows and vents when operating the system except for the first few minutes of operation when

the car interior is very hot. Close the windows as soon as the excessively heated air has escaped.

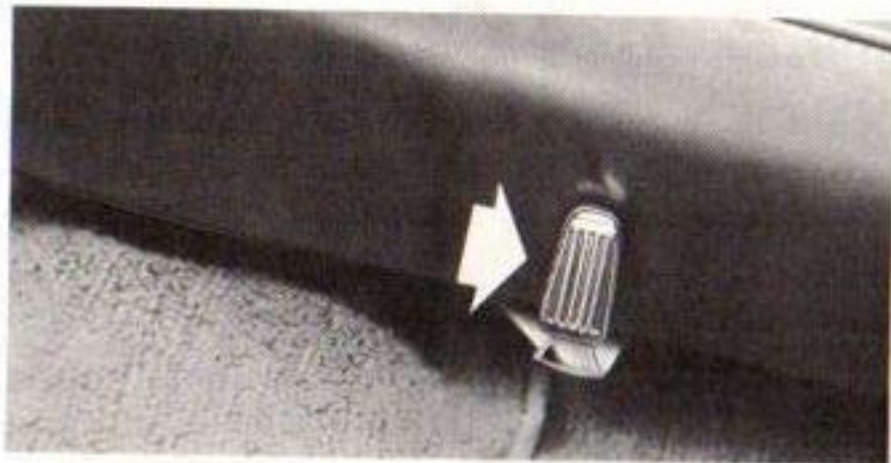


SEATS

The front seat of all Chevelle models may be quickly and easily adjusted forward or rearward to provide maximum driving comfort. (Your Authorized Chevrolet Dealer

can make additional adjustments to further tailor the seat to your particular comfort requirements.) The optional electrically operated front seats provide for raising and lowering the entire front seat.

Manually Operated Front Seats



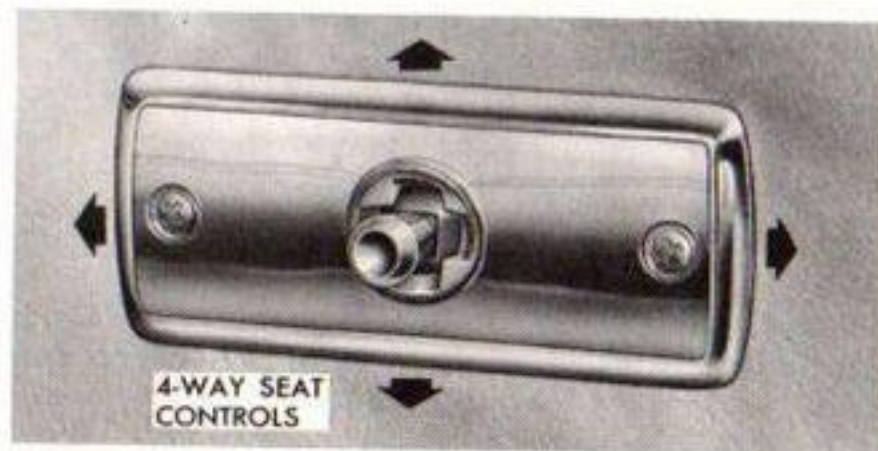
Press backwards on the seat adjuster lever, located on the driver's side of the front seat, to unlock the seat and allow adjustment to the front or rear. As the seat slides forward, it also tilts slightly to provide best posture and increased driving ease. Release the lever to lock the seat in the desired position.

Power Operated Front Seats

The four-way electrically operated front seat combines the operation of the seat to a single control.

The control operates as follows:

The toggle switch is used to move the seat forward, rearward, up or down; corresponding to the direction which the switch is held.



AIR VENTS

The air vents in each kick panel admit air from the vent grille just ahead of the windshield. Control knobs shown below open and close the vents.

Four Season Air Conditioning equipped cars have no control knob for the right hand vent, since the vent is a part of the air conditioning system.



LEFT VENT CONTROL



RIGHT VENT CONTROL



RIGHT VENT

CLOCK

Reset the clock, if your car is so equipped, by pulling out the knob and turning the hands clockwise if slow, counterclockwise if fast. This will, if the clock error is three minutes or more, automatically compensate for time gain or lag. Several resettings, several days apart, may be needed to properly adjust the clock mechanism. Have your clock cleaned and oiled by a competent clock serviceman at least every two years.

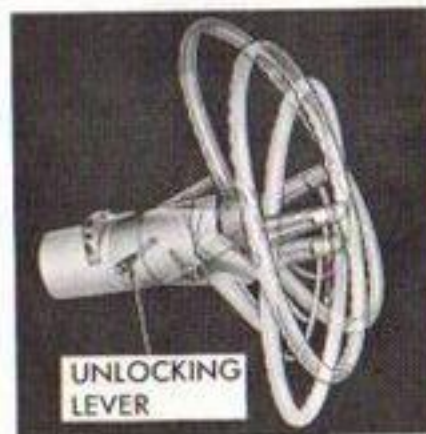
ASH TRAY

Pull on the lower edge of the ashtray to open. To remove the tray, pull fully out and then toward the right. To install, insert tray in opening and push back into place.

COMFORT TILT STEERING WHEEL

Lift the control lever of the optional Comfort Tilt seven position steering wheel to move the wheel up, thus allowing you greater ease of entry and exit.

Adjust the wheel for maximum comfort by holding the control lever up while moving the wheel to the desired position, and then releasing the lever to lock the wheel.



UNLOCKING
LEVER

Vary the wheel position frequently during long drives. You'll finish your trip less fatigued and more alert.

FEATURES

GLOVE BOX

The glove box is locked and unlocked with the round key.

POWER STEERING

The optional Chevelle Power Steering system supplies about 80% of the effort needed to turn the front

wheels. Should the engine stop, your Chevelle may still be steered safely, but with somewhat greater effort.

POWER WINDOWS

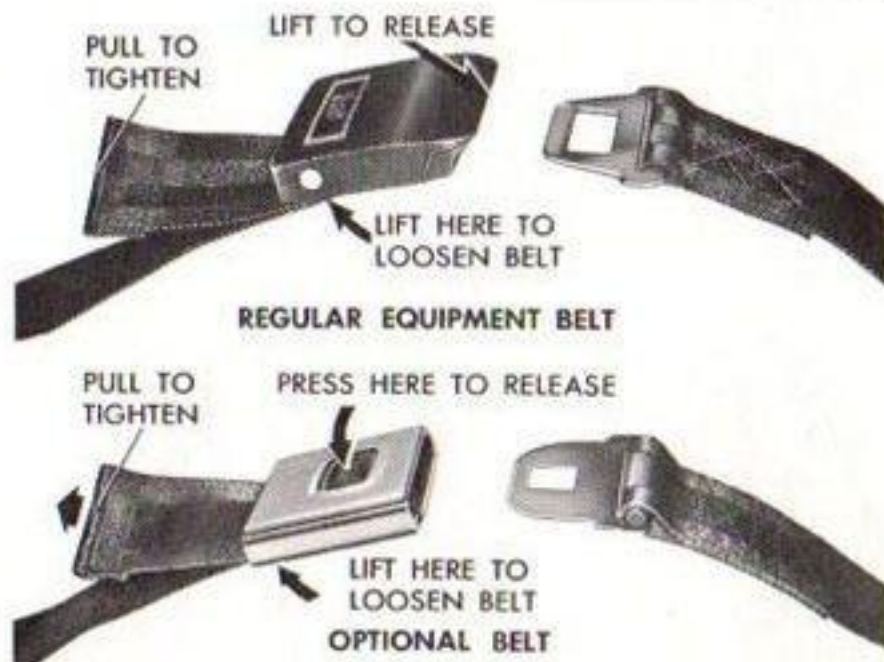
An electrical switch operates each side window if your Chevelle is equipped with the optional power operated windows. The driver's master switch controls all side windows in the car.

CHEVELLE SEAT BELTS

Fasten your seat belt by pushing the metal catch into the buckle until it "snaps" into place. Tighten the belt until comfortably snug by pulling on the loose end extending from the buckle. *Do not wear the belt loosely.* Loosen by turning the entire buckle outward. Lift up the buckle lever to unlatch and release the belt. *Never buckle an individual seat belt around more than one person.*

It is recommended that seat belt retractors be used on the outboard belt half only. When buckling the belt be sure it is fully extended so there is no webbing wound around the retractor drum, then adjust for proper fit at the buckle.

Clean belts when necessary, without removing from the car, with a stiff bristle brush using a detergent recommended for nylon. *Never bleach or dye seat belts.*



SPEED AND CRUISE CONTROL

The optional Cruise Control may be used as either a speed minder or for fully automatic speed control thus making it a valuable aid during every type of driving.

- *To use as a speed minder*—as an added safety feature during city and other stop and go driving:

Move the slide switch to ON and rotate the selector dial to the desired speed setting. A back pressure on the accelerator pedal will let you know when you reach this speed.

If necessary, push the accelerator pedal through this back pressure for added speed and acceleration.

- To use for **AUTOMATIC CONTROL**—for your comfort when traveling on turnpikes, expressways or other non-congested highways:

Hold the slide switch in AUTO position until the red indicator light glows, then rotate the selector dial to the desired speed setting. You'll feel accelerator back pressure on the accelerator pedal when the car reaches this speed. You may take your foot off the accelerator pedal, if you wish, for speed control is now automatic.



If necessary, slowly rotate the selector dial until the speedometer indicates the desired speed. While in automatic operation the dial is thus used as a manual throttle and should always be rotated slowly to prevent sudden acceleration.

For added acceleration, push the accelerator pedal through the back pressure. Release the accelerator to return to the selected speed.

Automatic control is disengaged when the brake pedal is lightly depressed. To return to automatic control, accelerate until the back pressure is felt again.

- Turn off the unit by moving the slide switch to OFF or by turning off the ignition switch.

HOOD RELEASE

Pull the hood release to open the counterbalanced hood. If the hood must be slammed to insure closing, it is in need of adjustment. A hard slam should not be necessary.



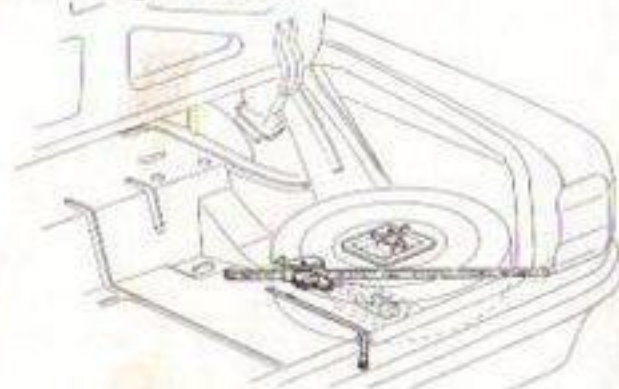
PASSENGER



STATION WAGON

GAS CAP

The gas cap is located behind the rear license plate on all models except station wagons where it is located in the left rear fender. Swing the hinged lid to expose the gas cap. Station wagon models make use of an anti-surge, vented gas cap. All other models use a non-vented gas cap. If gas cap is lost, see your Authorized Chevrolet Dealer for a replacement.



REAR COMPARTMENT

Unlock and open the counterbalanced trunk lid with the round end key. Close the lid firmly to lock it. The spare tire and auto jack are located in the trunk.

STATION WAGON

LOWERING THE TAILGATE

Before opening the tailgate, be sure to *fully* lower the tailgate window. Operation of both types of window is outlined below. Under no condition do we recommend driving with the tailgate (lower portion) open, and under most driving conditions it is best to keep the station wagon

tailgate window closed. However, if desired, air can be circulated through the vehicle while driving if the tailgate window is opened several inches and the air vent in each kick panel open or the heater blower "ON", while all other windows in the vehicle are closed.

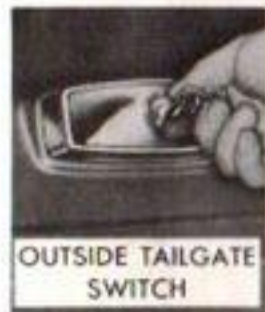
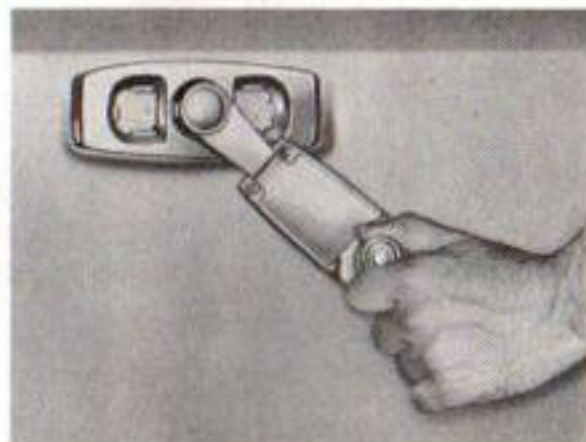
Manually Operated Tailgate Window

Unlock the tailgate using the ignition key, then lower the window by pulling out the window regulator handle at the arrow end and turning the handle counterclockwise. Rotate handle clockwise and snap into place.

Raise the window by pulling out the window regulator handle at the arrow end and turning the handle clockwise. Rotate handle counterclockwise and snap into place.

To open the tailgate, lower the window all the way down, lift the release handle located on the inside just below the window and pull the tailgate open.

To close the tailgate lift into position and slam firmly.



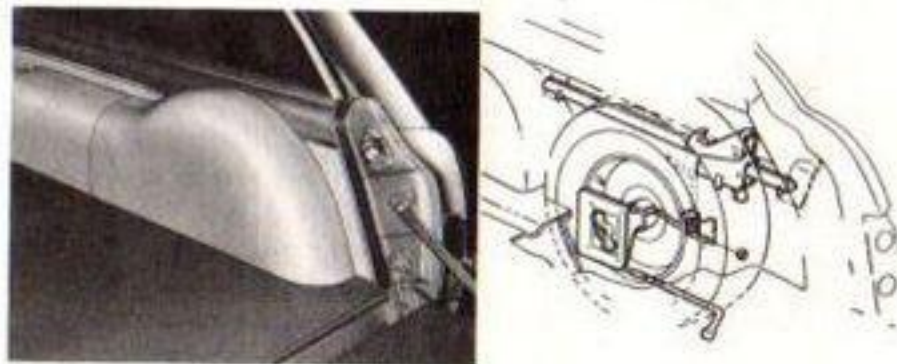
OUTSIDE TAILGATE
SWITCH



DASH PANEL
SWITCH

Electrically Operated Tailgate Window

Operate the optional electric tailgate window by means of one of the switches pictured. Use the ignition key to operate the window from outside. Open the tailgate by rolling the window *fully* down and lifting the release handle inside the tailgate.



STATION WAGON SPARE TIRE AND JACK STORAGE

The spare tire and jacking equipment are stowed behind a removable panel in the right rear quarter panel. The panel is held in place by means of a toggle latch on its lower edge. After loosening the latch, the panel may be removed from the car.

OPERATING THE FOLDING SEATS

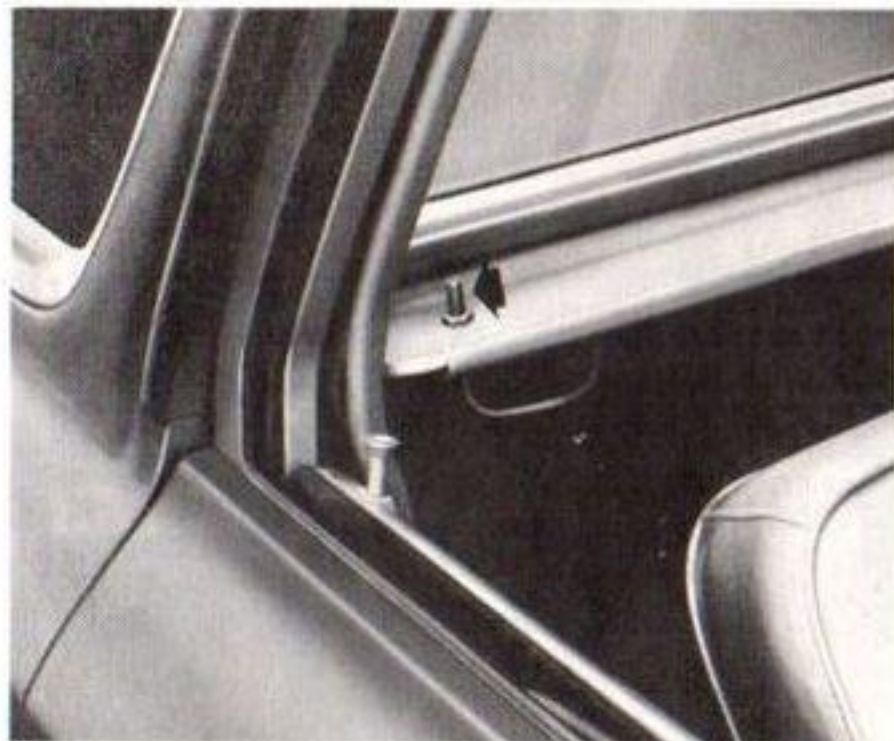
The rear seat of your Station Wagon may be quickly and easily converted into cargo space when needed.

- Release the locking lever on the right hand side of the rear seatback.
- Pull seatback forward and down.
- To raise the seat, lean on the front edge of the seatback panel to remove tension from the filler panel, lift up the filler panel at the location shown above, then lift seat back up and rearward until it locks into place.
- Operate both sections of the optional two-section second seat in the same manner.



CONVERTIBLE

Except for the folding top, the convertible model is operated in the same manner as other Chevelle Passenger Cars. Consult your booklet "Operation and Care of Folding Top."



EL CAMINO

Except for obvious differences because of the sedan pick-up body, the El Camino models are operated in the same manner as the other Chevelle Passenger Cars.

SUPERLIFT AIR ADJUSTABLE SHOCK ABSORBERS

Superlift Air Adjustable Shock Absorbers allow you to ride with the trunk or load space of your Chevelle fully loaded but with no annoying sag or bumps. Air is added to the rear shocks as needed through the air valve located as follows:

El Camino—on the top right hand side of the shelf behind the seat.

Station wagon—on the right side of the bottom of the tailgate opening (open tailgate fully for access).

Other models—to the right of the fuel filler cap (open the filler cap door for access).

A minimum pressure of 10-15 psi must always be maintained. After the car is loaded, pressure may be increased until the rear of the vehicle reaches the desired riding height or a maximum of 90 psi.

CLEANING YOUR CHEVELLE

EXTERIOR APPEARANCE

Your Chevelle is finished with General Motors "Magic-Mirror" acrylic lacquer. This is a finish of maximum beauty which, in depth of color, gloss retention and durability is superior to conventional lacquer finishes.

Washing Your Chevelle

The best way to preserve the finish and maintain original beauty of appearance is to keep it clean. Wash the car in lukewarm or cold water. Never use strong soap or chemical detergents. Cleaning agents should be quickly flushed from the surfaces.

Polishing and Waxing Your Chevelle

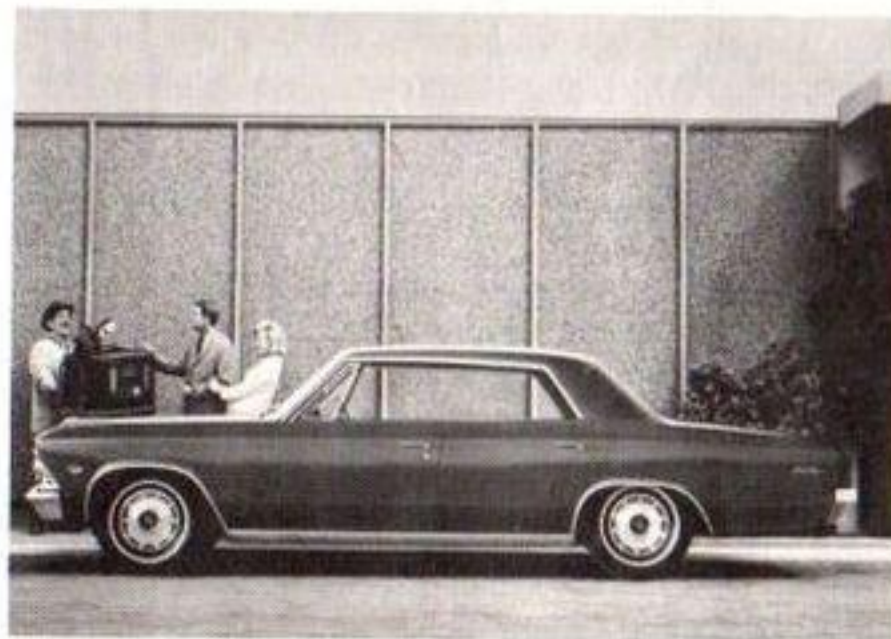
Although acrylic paint on your car is durable, you may wish to wax or polish for added protection. Your Chevrolet Dealer offers many polishes and waxes now available which have proven of real value in maintaining a good paint finish. When using a tar and road oil remover, be certain it is safe for use on acrylic painted surfaces.

Protection of Exterior Bright Metal Parts

Bright metal parts should be cleaned regularly to

maintain luster. Washing with water is all that is usually required. However, G. M. Chrome Polish may be used on CHROME or STAINLESS STEEL trim if necessary. Use special care with ALUMINUM trim. Never use auto or chrome polish, steam or any caustic soap to clean aluminum.

A coating of wax, rubbed to a high polish, is recommended for all bright metal parts.



Cleaning White Sidewall Tires

Use a tire cleaner which will not harm aluminum trim. A stiff brush may be used with the cleaner to remove road grime and dirt from white sidewall tires.

Cleaning the Vinyl Top

If your car has the vinyl top, it should be washed frequently with neutral soap suds, lukewarm water and a brush with soft bristles. Rinse top with sufficient quantities of clear water to remove all traces of soap.

If the top requires additional cleaning after using soap and water, a mild foaming cleanser can be used. Rinse the whole top with water; then apply a mild foaming type cleanser on an area of approximately two square feet. Scrub area with a small soft bristle hand brush, adding water as necessary until the cleanser foams to a soapy consistency. Remove the first accumulated soilage with a cloth or sponge before it can be ground into the top material. Apply additional cleanser to the area and scrub until the top is clean. Care must be exercised to keep the cleanser from running onto body finish as it may cause streaks if allowed to run down and dry. After the entire top has been cleaned, rinse generously with clear water to remove all traces of cleanser. Do not use volatile cleaners or household bleaching agents on the top material.

INTERIOR APPEARANCE

- Use Leather Cleaner to clean imitation leather, vinyl or coated trim fabric on seats or door panels.
- Kar Kleen Upholstery Cleaner will remove most stains.
- Use of a volatile cleaner is recommended for oil, grease, and road grime stains.
- Polish should not be used to clean interior bright finish parts. Abrasive compounds used in most polishes may damage the finish. Cleaning with a damp cloth, then rubbing with a polishing cloth is all that is required.
- Use soap and other solutions with caution.



TRAILERS and their EFFECT on CAR OPERATION

Chevelle passenger cars are designed primarily for passenger conveyance. However, it is well known that many owners do use Chevelle to pull trailers, and when available trailer hauling options have been used, the owners have experienced very satisfactory service.

When a trailer is attached to a car, the car becomes not only a load-carrying vehicle, but a load-pulling vehicle. The demands of this type of operation are very different from those for which the automobile is primarily designed and may present problems, such as spring and tire loading, braking, cooling, lighting, and steering. However, careful driving practices and the use of factory-recommended options will better satisfy the requirements of trailer hauling.

If in the opinion of the manufacturer a part or component of a motor vehicle has been adversely affected

by misuse of the vehicle with trailer loads, such part or component will not be covered by the manufacturer's warranty.

The size of and equipment for trailers, including such items as hitches and safety chains, brakes, lights, power-weight ratios and over-all length, are generally subject to safety regulations in all states, and it is the responsibility of the user to make certain that he is in full compliance with the regulations of the states in which he plans to operate with a trailer and of the Interstate Commerce Commission, if applicable, before doing so. Further, when operating a car with a trailer attached, the driver must realize that the performance, steering characteristics, and braking distance of his car have been altered, and that he must exercise greater caution to handle his car and trailer safely.

MAINTENANCE AND LUBRICATION

Your Chevelle is designed to operate efficiently on "Regular" or "Premium" grade fuels commonly sold in the United States and Canada, depending on the engine installed in your car. The table below indicates the fuel grade requirements for various Chevelle engines.

Engine	Fuel Grade
ALL 6-CYLINDER	Regular
283 Cu In V-8	Regular
All Other V-8	Premium

Use of a fuel which is too low in anti-knock quality will result in "spark knock." Since the anti-knock quality of all regular grade or of all premium grade gasolines is not the same and factors such as altitude, terrain and air temperature affect operating efficiency, knocking may result even though you are using the grade of fuel recommended for your engine. If persistent knocking is encountered, it may be necessary to change to a higher grade of gasoline and, if knocking continues, consult your authorized Chevrolet Dealer.

In any case, continuous or excessive knocking may result in engine damage and constitutes misuse of the engine for which the Chevrolet Division is not responsible under terms of the Manufacturer's New Vehicle Warranty.

Operation in a Foreign Country

If you plan to operate your Chevelle outside the continental limits of the United States or Canada, there is a possibility that the best available fuels are so low in anti-knock quality that excessive knocking and serious engine damage may result from their use. To minimize this possibility, write to Chevrolet Motor Division, General Motors Corporation, Service Operations Department, Detroit, Michigan 48202, giving:

1. The compression ratio of your engine (see page 50).
2. The engine serial number (see page 49).
3. The country or countries in which you plan to travel.

Your dealer can assist you in obtaining this information. You will be furnished details of adjustments or modifications which should be made to your engine by your Chevrolet Dealer prior to your departure.

Failure to make the necessary changes to your car and subsequent operation under conditions of continuous or excessive knocking is considered misuse of the engine for which the Chevrolet Division is not responsible under terms of the Manufacturer's New Vehicle Warranty.

After arriving in a foreign country, contact the nearest authorized General Motors Dealer for brand names of the best fuels available and advice as to where they may be purchased.

OIL VISCOSITY AND QUALITY

The use of high quality oil of the correct viscosity is your best assurance of continued reliability and performance from your engine.

It is recommended that you use an oil which, according to the label on the can is:

- (1) intended for service MS and
- (2) passes car makers' tests or meets General Motors Standard GM 4745-M.

Oils conforming to these types contain detergent additives.

Lowest Anticipated Temperature During Time Oil Will be in the Crankcase	Single Viscosity Oils	Multi-Viscosity Oils
32° F.	SAE 20 or 20W	SAE 10W-30
0° F.	SAE 10W	SAE 10W-30
Below 0° F.	SAE 5W	SAE 5W-20

NOTE 1: SAE 30 or 10W-30 is recommended when most of the driving is at high speeds and/or at temperatures above 90° F.

NOTE 2: SAE 5W-30 oils may be used during periods when temperatures of 32° and below are to be expected.

OIL LEVEL

Regardless of the change interval being followed check the oil level (with the engine hot) on the dipstick regularly. Keep oil level between the FULL and ADD marks, by adding oil when level is at or below the ADD mark. It is not necessary to keep the level at the FULL mark. DO NOT OVERFILL.

POSITIVE CRANKCASE VENTILATION (P.C.V.)

The Positive Crankcase Ventilation system, which is standard equipment on your vehicle, helps control air pollution caused by crankcase blowby gases. On cars without the P.C.V. system, these gases are released to the atmosphere through a road draft tube located on the underside of the engine. Since 1963 (1961 in California), the road draft tube has been replaced with a P.C.V. system that connects the crankcase and intake manifold of the engine. Exhaust blowby gases are returned through this system to the combustion chamber where they are reburned. Periodic inspection and required servicing of your P.C.V. system assures a cleaner, better-performing, longer-lasting engine and almost 100% elimination of any air pollution caused by crankcase blowby gases. A plugged P.C.V. system can cause condensation of blowby gases in the crankcase, resulting in the formation of acids, sludge build-up and oil dilution.

Every 12 months or 12,000 miles, whichever occurs first, the P.C.V. valve should be replaced. Also, all hoses and fittings should be inspected, cleaned and replaced, if necessary.

COOLING SYSTEM CARE

Your Chevelle engine cooling system is equipped with a 180° thermostat (195° when Air Injection Reactor System is installed) and is designed to operate on permanent type (ethylene glycol) anti-freeze. Non-Permanent type coolants are not recommended since they are not satisfactory for year around use and may not effectively inhibit corrosion of the engine cooling system when used with the quality of water found in some areas.

If the anti-freeze was installed at the factory or if it meets the requirements of General Motors Standard GM 1899-M which contains adequate corrosion protection, it may be left in the cooling system for 24 months or 24,000 miles, whichever occurs first.

Check the coolant level at each engine oil change. Level should be 1" below top of filler neck when cold. Add water or permanent anti-freeze as required to maintain proper level. Concentration of coolant should be to 0° F. or below to insure sufficient corrosion protection.

Drain and flush cooling system every 24 months. Fill with mixture of permanent type anti-freeze (GM 1899-M or equivalent) and water to provide proper concentration of coolant.

Each fall have your Chevrolet dealer inspect the cooling system to insure that all connections are leakproof and anti-freeze content will provide adequate protection in cold weather.

The radiator cap, a 15 lb. pressure type, must be installed tightly.

- To remove the cap: turn a quarter of a turn to allow the pressure in the cooling system to escape safely, then turn the cap all the way off.

CAUTION: After a long hard drive or after driving during extremely hot weather, never attempt to remove the radiator cap until the engine has been stopped and allowed to cool for several minutes. Then carefully remove the cap as described above.

To Completely drain the cooling system:

Be sure to close the radiator drain cock and replace the engine drain plugs before refilling the cooling system. (The cooling system should be flushed with plain water after each coolant drain.)

- All models—remove the radiator cap and open the drain cock at the bottom of the radiator.
- Six Cylinder engine—remove the drain plug located at the left rear side of the block.
- Eight Cylinder engine—remove the drain plugs located on each side of the V-8 block just above the oil pan.

BATTERY CARE

Check the fluid level in each cell of your battery regularly. Keep filled with distilled water to the bottom of the split ring in the vent tube. DO NOT OVERFILL.

TIRES

The factory installed tires on your Chevelle are selected to provide the best all around tire performance for all normal operation. They are designed to operate satisfactorily with loads up to and including the specified full rated load capacity of your automobile when inflated as recommended in the tire inflation pressure table that follows.

Inflation Pressures

To ensure the proper tire inflation pressure for your particular requirements, follow the recommendations in the tire inflation pressure table. Keep tires properly inflated and check inflation pressures periodically. This will ensure you of the best tire life and riding comfort over the full range of driving conditions. When loads above average are carried use inflation pressure recommended for full rated load. Tire inflation pressures may increase as much as 6 pounds per square inch (PSI) when hot.

Optional Oversize and 8-Ply Rating Tires

Oversize or 8-ply rating tires are not necessary on passenger cars for normal requirements. However, an extra margin of tire service is available when these options are used at loads up to and including full rated load.

Optional oversize 4-ply rating and/or 8-ply rating tires are available on models as indicated in the table. On some models (example—Station Wagon), space limitations do not permit the use of a larger size tire; hence, the 8-ply rating tires is an available option.

In either case, these tires are applicable to extended operation at or near full rated load or for trailer towing when an extra margin of tire service is desired. However, use of a larger tire or an 8-ply rating tire should not be construed as permitting an increase in the full rated vehicle load over that specified in the table.

Chevelle Tire Usage

ENGINE AND BODY STYLE	STANDARD 14 INCH		OPTIONAL 14 INCH	
	With A/C	Without A/C	With A/C	Without A/C
L-6, except Pick-Up Delivery, Station Wagon and 4-Door Sport Sedan	6.95		7.35	
L-6, 4-Door Sport Sedan 283 V-8, except 4-Door Sport Sedan, Station Wagon, Pick-Up Delivery and Convertible	7.35	6.95	7.75	7.35
L-6, Pick-Up Delivery 283 V-8, 4-Door Sport Sedan, Pick-Up Delivery and Convertible 327 V-8, except Station Wagon	7.35		7.75	
396 V-8, All Styles	7.75		—	
All Engines, Station Wagon	7.75		7.75 (8-Ply Rating, 4-Ply)	

All tires listed are 4-ply rating, 2-ply unless otherwise specified.

Vehicle Capacity Rating and Recommended Tire Inflation Pressures (PSI Tires Cool)

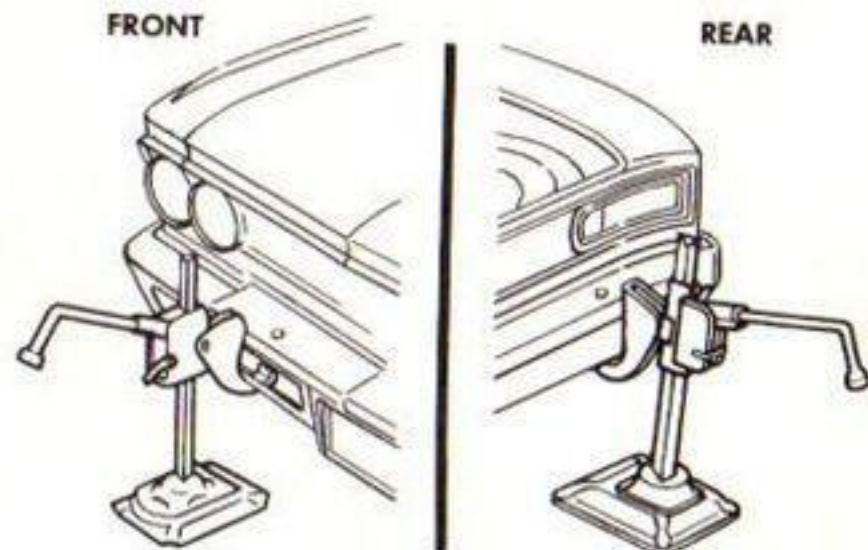
		AVERAGE LOAD		FULL RATED LOAD	
All Models Except Those Shown Below		1 to 5 Passengers (750# Load)		6 Passengers + 200# Trunk Load (1100# Load)	
	<u>Ply Rating</u>	<u>Front</u>	<u>Rear</u>	<u>Front</u>	<u>Rear</u>
Tire inflation pressure (PSI)	4	24	24	26	32
"Bucket Seat" Convertible and 2-Door Sport Coupe		1 to 5 Passengers (750# Load)		5 Passengers + 200# Trunk Load (950# Load)	
	<u>Ply Rating</u>	<u>Front</u>	<u>Rear</u>	<u>Front</u>	<u>Rear</u>
Tire inflation pressure (PSI)	4	24	24	26	32
Station Wagons		1 to 5 Passengers (750# Load)		6 Passengers + 300# Cargo (1200# Load)	
	<u>Ply Rating</u>	<u>Front</u>	<u>Rear</u>	<u>Front</u>	<u>Rear</u>
Tire inflation pressure (PSI)	4	22	26	22	32
	8	22	26	22	40
Pick-Up Delivery		1 to 3 Passengers + 300# Cargo (750# Load)		3 Passengers + 800# Cargo (1250# Load)	
	<u>Ply Rating</u>	<u>Front</u>	<u>Rear</u>	<u>Front</u>	<u>Rear</u>
Tire inflation pressure (PSI)	4	24	24	24	32

- For continuous high speed operation increase tire inflation pressure 4 pounds per square inch over the recommended pressure up to a maximum of 32 pounds per square inch cool for 4-ply rating tires or 40 pounds per square inch cool for 8-ply rating tires.
- Over-inflation will adversely affect your tires, and the durability and riding comfort of your car. Under-inflation will promote heat and abnormal wear.
- Cool tire inflation pressures: after vehicle has been inoperative for 3 hours or more, or driven less than 1 mile.
Hot tire inflation pressure: after vehicle has been driven 10 miles or more at 60-70 miles per hour.
- Station Wagon and Pick-Up Delivery loads should be distributed as far forward as possible.
- Station Wagons with luggage racks do not have a vehicle load limit greater than specified.

Changing Tires

Position jack under bumper as shown. Set parking brake, place the transmission in **PARK** (Automatic) or **REVERSE** (Manual), block diagonally opposite wheel, remove hub cap and loosen wheel nuts. Set small lever on jack to **UP** position, and using the wheel nut wrench as the jack handle, raise car until the tire clears the ground. Remove the wheel and put on the spare, tightening the wheel nuts. Move the jack control lever to down position and lower car one notch at a time until wheel touches ground. Retighten wheel nuts and replace hub caps.

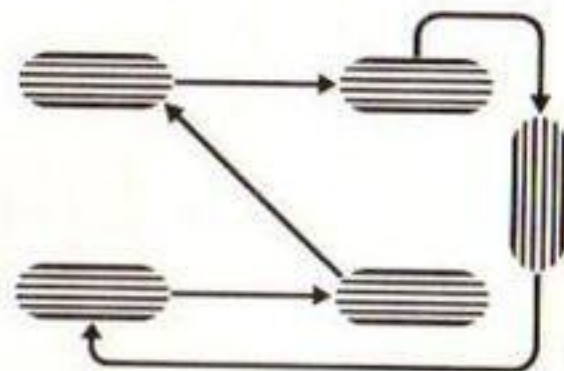
CAUTION. *Never run the engine with car on jack.*



POSITION JACK JUST OUTBOARD OF BUMPER BOLTS

Switching Tires

Rotate tires as shown every 6,000 miles to distribute wear over all five tires. This will help you to obtain maximum service from your tires.



— RECOMMENDED SCHEDULE FOR PERIODIC

The time or mileage intervals on the following pages are intended as a guide for establishing regular maintenance and lubrication periods for your Chevelle. Sustained heavy duty or high speed operations or operation

under adverse conditions may necessitate more frequent servicing. To determine specific recommendations for conditions under which you use your car, consult your Authorized Chevrolet Dealer.

ENGINE OIL*

Engine oil should be changed at 60 day or 6,000 mile intervals, whichever occurs first.

NOTE: For vehicles in heavy duty operation involving continuous start-stop or prolonged idling, engine oil should be changed after 2500-3000 miles of operation. The filter should be changed after 5000-6000 miles of operation.

ENGINE OIL FILTER*

The oil filter should be changed at 6,000 miles or 6 month intervals, whichever occurs first. (See note above.)

VENTED OIL FILLER CAP*

Every 12,000 miles or 12 months—The vented oil filler cap (where used) should be cleaned.

DRIVE BELTS

Every 6000 miles—Inspect drive belts for wear, fraying, cracking, and tension. Belts which are in poor condition should be replaced immediately.

Check tension by applying moderate thumb pressure midway between pulleys. If the center to center distance between pulleys is 13 to 16 inches, the belt should deflect $\frac{1}{2}$ inch. If the center to center distance is 7 to 10 inches, the belt should deflect $\frac{1}{4}$ inch. Loose belts should be retensioned to give the correct deflection.

Pulley Center to Center Distance	Deflection
13"-16"	$\frac{1}{2}$ "
7"-10"	$\frac{1}{4}$ "

*Under prolonged dusty driving conditions, it is recommended that these operations be performed more often.

MAINTENANCE AND LUBRICATION

AIR CLEANER CARE*

Paper Element Type—First 12,000 miles, inspect and test element; if satisfactory, element may be reused but must be rechecked every 6,000 miles thereafter until replaced. Element must not be washed, oiled, tapped or cleaned with an air hose.

Polyurethane Type—Every 12,000 miles clean element in suitable solvent such as Kerosene, squeeze out all solvent, then soak in engine oil and squeeze out. Then squeeze in a clean dry cloth to remove excess oil.

FUEL FILTER

Replace filter element located in carburetor inlet if carburetor flooding occurs.

Every 12,000 miles—Replace filter element in bowl-type filter if engine is so equipped.



ENGINE TUNE-UP

Every 12,000 miles—Have engine tune-up operations performed to maintain maximum engine performance and fuel economy.

DISTRIBUTOR CAM LUBRICATOR

6 Cylinder Engine—Rotate cam lubricator 180° at 12,000 mile intervals—Replace at 24,000 mile intervals.

8 Cylinder Engine—Change cam lubricator end for end at 12,000 mile intervals—Replace at 24,000 mile intervals.

BATTERY

Every 6,000 miles — Clean terminals and oil felt washer.

BRAKES

Brake linings should be periodically inspected for wear. The frequency of this inspection depends upon driving conditions such as traffic or terrain, and also the driving techniques of individual owners. Your Chevrolet Dealer is best qualified to advise you as to how often this inspection should be performed. When brakes require relining use genuine General Motors Parts or equivalent.

Master Cylinder

Every 6,000 miles—Check fluid level and maintain $\frac{1}{4}$ "

below filler opening with GM Hydraulic Brake Fluid, Supreme No. 11.

Parking Brake Pulley, Cables and Linkage

Every 6,000 miles—Apply water resistant EP Chassis Lubricant to parking brake cable at cable guides and at all operating links and levers.

TRANSMISSION

3-Speed, Overdrive and 4-Speed

Every 6,000 miles—Check at operating temperature and fill as necessary to level of filler plug hole with SAE 80 or SAE 80-90 Multi-purpose Gear Lubricant meeting requirements of U.S. Ordnance Spec. MIL-L-2105-B.

Powerglide

Every 6,000 miles—Check fluid level on dipstick with engine idling, selector lever in neutral position, parking brake set and transmission at operating temperature. If fluid level is below full mark on dipstick, add small amount of Automatic Transmission Fluid. Use either General Motors Automatic Transmission Fluid (Part Numbers 1050012-3-4 available at your Chevrolet Dealer) which has been especially formulated and tested for use in your Automatic Transmission to provide maximum trouble-free operation or other approved Automatic

Transmission Fluid Type "A" identified by the mark AQ-ATF followed by a number and the suffix letter "A."

Recheck fluid level on dipstick and again add a small amount of fluid if needed to bring level to full mark. **DO NOT OVERFILL.**

Lubricate Powerglide shift linkage at frame and transmission with water resistant EP Chassis Lubricant.

Every 12,000 miles (more frequently*, depending on severity of service, if vehicle is used to pull trailers, carry full loads during high ambient temperatures, operate in mountainous terrain or operate under other severe conditions)—Remove fluid from the transmission sump and add two (2) quarts* of fresh fluid. Operate transmission through all ranges and check fluid level as described above.

REAR AXLE

Standard

Every 6,000 miles—Check and keep filled to level of filler plug hole with SAE 80 or SAE 80-90 Multi-purpose Gear Lubricant meeting requirements of U.S. Ordnance Spec. MIL-L-2105-B.

*Except if vehicle is equipped with transmission provided in heavy duty service options. If so equipped, drain converter and sump every 12,000 miles and add approximately nine (9) quarts of fresh fluid.

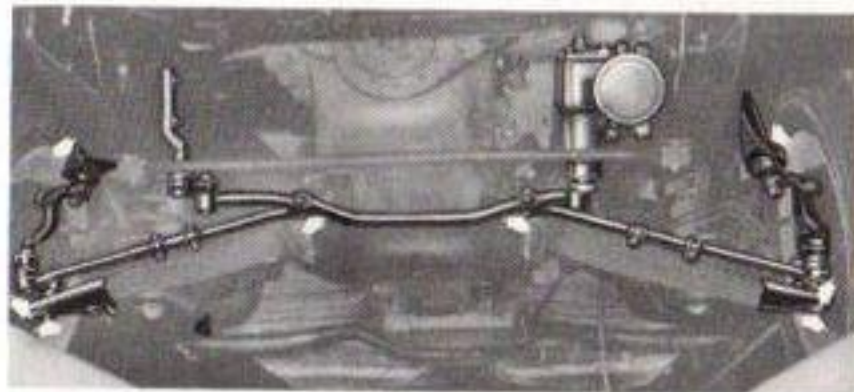
Positraction

Same as standard axle but use only the special positraction lubricant available from your Chevrolet Dealer.

FRONT SUSPENSION

Every 6,000 miles or 6 months—Lubricate 4 fittings with water resistant EP Chassis Lubricant.

Ball joints should not be lubricated unless their temperature is 10°F. or higher. During colder weather, they should be allowed to warm up as necessary before lubrication.



CLUTCH CROSS-SHAFT

Every 36,000 miles or sooner if necessary—Remove the plug, install a lubrication fitting and lubricate with water resistant EP Chassis Lube.

STEERING LINKAGE

Every 6,000 miles or 6 months—Lubricate fitting at each tie rod end (4 fittings) with water resistant EP Chassis Lubricant.

STEERING GEAR

Every 36,000 miles—Check steering gear lubricant level in the following manner:

1. Remove the forward and the outboard steering gear cover attaching screws.
2. Inject water resistant EP Chassis Lubricant into the forward cover attaching screw hole until lubricant begins to come out of the outboard screw hole.
3. Replace both cover attaching screws.

POWER STEERING PUMP

Every 6,000 miles or 6 months—Check level in pump reservoir. Fill pump reservoir as required with G.M. Power Steering Fluid or, if this is not available, Automatic Transmission fluid "Type A" bearing the mark AQ-ATF followed by a number and the suffix letter "A".

Oil should be at operating temperature and wheels in straight ahead position when checking or filling operation is performed to ensure against overfilling.

FRONT WHEEL BEARINGS

Clean, repack with a high melting point wheel bearing lubricant and adjust whenever the front brakes are serviced.

AIR INJECTION REACTOR (A.I.R.) (California Vehicles Only)

The Air Injection Reactor System is standard equipment on most 1966 GM cars and trucks delivered in California. This new air pollution control system is entirely separate from the Positive Crankcase Ventilation System and is designed to reduce air pollution caused by engine exhaust tailpipe gases by "treating" the unburned hydrocarbons and carbon monoxide as they are expelled from the combustion chamber into the exhaust manifold. A sealed bearing pump, driven by the engine, compresses, distributes and injects clean filtered air at the exhaust port

AIR CONDITIONING

Have your Chevrolet Dealer check your air conditioning system at some time during the winter months to be sure there has been no loss in cooling output. During the summer, see your Chevrolet Dealer immediately if you suspect the system is not performing as it should.

Every week—during winter months—run the system for five minutes to insure proper lubrication of the seals and moving parts.

of *each* cylinder. Here it combines with the unburned hydrocarbons and carbon monoxide at high temperatures in a chemical reaction, producing a "treated" exhaust that is below the maximum allowable level for air pollution from this source. This does not reduce the danger of inhaling any concentration of carbon monoxide in a confined area. See Page 4 for carbon monoxide warning.

The Air Injection Reactor System requires no special maintenance other than an annual belt inspection and adjustment. The annual engine tune-up recommended for normal engine efficiency, operation, and performance is important for the A.I.R. system's continued effectiveness.

MINOR TROUBLE SHOOTING GUIDE

	FUEL SYSTEM AND ENGINE								ELECTRICAL SYSTEM								COOLING SYSTEM					
	Check Fuel Gauge	Flooded Carburetor	Empty Carburetor Bowl	Poor Fuel Supply to Carburetor	Idle Adjustment*	Automatic Choke*	Oil Level and Pressure	Condition of Air Cleaner	Ignition Switch Malfunction	Automatic Transmission Selector Lever	Check Spark	Battery and Connections	Generator and Voltage Regulator Connections	Coil and Distributor Leads	Starter Connections and Solenoid	Damp Electrical Connections	Generator Condition*	Radiator Water Level	Air Flow Through Radiator Restricted	Fan Belt Condition and Tension Adjustment	Cooling System Thermostat	Through Check and Tune-up Suggested*
If your car acts in the following manner:																						
Check here in sequence shown for possible causes.																						
On the following pages, see paragraph:	A	B	D	B-C-D	E	D-E	L	E	F	F	K	G	G	J	H	I	G	M	N	O	P	
Information on page:	8						9, 35	41		6		47					11	36			48	
CAR WILL NOT START:																						
Engine Will Turn Over	1	4		3							6			2		5						7
Engine Will Not Turn Over									2	1		3			4							5
CAR WILL START—BUT:																						
Only After Repeated Tries																						
Stalls in a Few Seconds			2	1	3																	1
Stalls When Hot					1	2		3														4
Idles Rough					1			2														3
Engine Overheats																		1	2	3	4	
"Oil" Indicator Light Comes On							1															
"Gen" Indicator Light Comes On												3	2				4			1		

*See Your Authorized Chevrolet Dealer

a bobby pin) between the rubber cup at the end of the spark plug wire and the tubular metal connector inside of it. If the spark plug wire is wet or oily, wipe it dry. Wrap a dry handkerchief or facial tissue, folded several thicknesses, around the wire at least three inches back from the end and grasp the wire at this point. Hold the bare wire about $\frac{1}{4}$ inch from the bare tip of the spark plug from which you removed the wire. When the engine is "turned over" a spark should jump across the $\frac{1}{4}$ inch space, indicating ample current supply. If no spark jumps, the difficulty is probably caused by a defective ignition part and should be corrected by your Authorized Chevrolet Dealer.



Checking Spark

COOLING SYSTEM

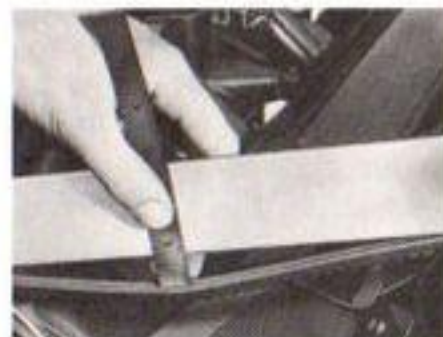
When the car will run but evidences serious overheating on the temperature gauge in the instrument panel, there are several items which may be checked.

(L) Engine overheating will occur when the OIL LEVEL falls dangerously low. Check the oil level as a matter of course.

(M) Low COOLANT LEVEL will, of course, cause engine overheating. Determine the cause of the low coolant level and have it corrected if necessary.

(N) Check the RADIATOR CORE. Clean it if it is plugged with bugs, leaves or other foreign material.

(O) Condition of the FAN BELT is very important, not only for engine cooling but also for proper generator operation. Check the condition of the belt. Replace it if it is worn or frayed. Loosen the generator bolts and move the generator toward the engine to remove and replace the belt. Tighten the belt, whether new or old, by loosening the generator bolts, prying with a bar on the generator until the belt is tensioned properly, then retighten the generator bolts.



Fan Belt Tension

(P) Another cause of engine overheating may be an inoperative COOLING SYSTEM THERMOSTAT. If the thermostat should fail in the closed position, it will not permit coolant to circulate through the system. In such an emergency the thermostat may be removed but should be replaced with a properly functioning thermostat as soon as possible.



Thermostat Installation

SPECIFICATIONS

SERIAL AND UNIT NUMBERS

Car—Stamped on vehicle identification number plate attached to left front body pillar.

Body—Stamped on plate attached to upper left corner of cowl panel.

Engine—Stamped on boss on block.

8-Cylinder—On right front side of block.

6-Cylinder—On right side of block to rear of distributor.

DIMENSIONS

Overall Length

Station Wagons and El Camino 197.6"

All Others 197.0"

Height

Coupe 51.9"

Sedan Models 53.0"

Station Wagon 54.6"

Convertible 52.8"

El Camino 54.6"

Width 75.0"

Wheelbase 115.0"

CAPACITIES

Gasoline Tank

All Models Approx. 20 gal.

Crankcase (Refill)

194 and 230 L-6, 283 and 327 V-8 4 qt.

When changing oil filter element, add additional. . . 1 qt.

Cooling	194 &	283	327 V-8	396 V-8	396 V-8
System	230 L-6	V-8	275 hp.	325 hp.	360 hp.

With

Heater . . . 11 qt. 17 qt.* 16 qt. 22 qt.* 23 qt.

Thermostat** 180°

Radiator Pressure Cap 15 lb.

*Capacities are 1 qt. more on air cond. models.

**195° when Air Injection Reactor System is installed.

BATTERY RATING

6 cyl. and 283 V-8 Engines—12 volt, 54 plate, 44 amp/hr rating or, with Air Conditioning, 53 amp/hr rating. 327 and 396 Engines—12 volt, 66 plate, 61 amp/hr rating.

TIRE INFORMATION

Complete tire information will be found on pages 37, 38 and 39.

ENGINE SPECIFICATIONS

CARBURETOR ENGINE DATA	L-6 Engine		V-8 Engine				
	194 Cu. In.	230 Cu. In.	283 Cu. In.		327 Cu. In.	396 Cu. In.	
	1 Barrel		2 Barrel	4 Barrel	4 Barrel		
Horsepower	120 @ 4400	140 @ 4400	195 @ 4800	220 @ 4800	275 @ 4800	325 @ 4800	360 @ 5200
Torque	177 @ 2400	220 @ 1600	285 @ 2400	275 @ 3200	355 @ 3200	410 @ 3200	420 @ 3600
Comp. Ratio	8.5:1		9.25:1		10.5:1	10.25:1	
Bore	3.563	3.875	3.875		4.0	4.094	
Stroke	3.25		3.0		3.25	3.76	
Firing Order	1-5-3-6-2-4		1-8-4-3-6-5-7-2				

The following 14mm plugs are provided for Chevelle engines.

Spark Plug Gap..... .035"

	Normal Service (Original Equip.)	For Continuous City Operation
194 & 230 L-6 Engines	AC-46N	—
283 V-8 Engine	AC-45	AC-45S
327 V-8 Engine	AC-44	AC-44S
396 V-8 Engine	AC-43N	—

FUSES AND CIRCUIT BREAKER:

A Circuit Breaker in the light control switch protects the headlamp and parking lamp circuits, thus eliminating one fuse. Where current load is too heavy, the circuit breaker intermittently opens and closes, protecting the circuit until the cause is found and eliminated.

Fuses, located in the Junction Block beneath the dash are:

Instrument Lights	3AG/AGC-	3 amp.
Tail, Stop, Courtesy, Glove Box, License Plate, Dome Lights	3AG/AGC-	15 amp.
Radio (AM and AM-FM, Manual and Push Button)	3AG/AGC-	3 amp.
(AM-FM Stereo)	3AG/AGC-	7 1/2 amp.
Heater	3AG/AGC-	10 amp.
Backup Light, Parking Light and Brake Signal Light	3AG/AGC-	10 amp.
Windshield Wiper	3AG/AGC-	20 amp.
Four Season and Custom Deluxe Air Conditioning	SAE-30	30 amp.
Custom Air Conditioning	SAE-20	20 amp.

Overdrive Fuse, 3AG/AGC- 15 amp., is located in wiring harness on engine side of the dash panel just forward of the instrument panel.

An Air Conditioning high blower speed fuse, SAE-30 amp. (Four Season) or SAE-20 amp. (Custom), is located in wire running from starter solenoid to Air Conditioning wiring harness.

TURN SIGNAL FLASHER:

Type	Series
Capacity	2-bulb

BULB SPECIFICATIONS

	Candle-power	Number
Headlamp Unit—		
Outer—High Beam	37 1/2 W	4002 (Sealed Beam)
Low Beam	55W	4001 (Sealed Beam)
Inner—High Beam Only	37 1/2 W	
Parking Lamp and Directional Signal	4-32	1157
Tail and Stop Lamps	4-32	1157
Back-up Lamp	32	1156
Instrument Lamps	2	1895
Direction Signal Indicator Lamp	1	1445
Oil Pressure, Generator and Headlight Beam Indicator Lamps	2	1895
Glove Compartment Lamp	2	1895
Dome Lamp	12	211
Courtesy Lamp (Convertible)	6	631
License Plate Lamp	4	67
Radio Dial Lamp	2	1893
Heater Control Panel Lamp	1	1445
Brake Alarm Lamp	2	257
Transmission Shift Quadrant	1	1445

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SERVICE LITERATURE for CHEVROLET CARS and TRUCKS

The following Chevrolet publications covering the operation and servicing of Chevrolet Vehicles can be purchased by filling out the order form and mailing it with check or money-order payable to Helm Inc.

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(See following page for 1966 Corvair and Truck)

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ST-57 (1965) OVERHAUL MANUAL*	\$3.50
H-60 (1966) BODY SERVICE MANUAL Includes all information for car bodies (except Corvette, which is in ST-72 Service manual).	\$2.75
ST-58 (1965) BODY SERVICE MANUAL*	\$4.50

*Excluding 1965 Corvette (see following page)

AVAILABLE CHEVROLET SHOP MANUALS PRIOR TO 1949

The shop manuals listed below are out of print. The information contained in these shop manuals has been prepared on microfilm. We are able to produce a 35 mm positive film strip from this microfilm. The film can be viewed through any type of film viewer adaptable to 35 mm.

AVAILABLE FILMS

1919 Chevrolet
Car Shop Manual
1923 through 1948
Chevrolet Shop Manuals
1934 through 1952
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Price \$5.00 Each
(For 1953 Truck Shop Manual,
Order 1952.)

OTHER AVAILABLE MANUALS LISTED ON NEXT PAGE

OTHER AVAILABLE MANUALS

	FORM NO.	YEAR	PRICE EA.		FORM NO.	YEAR	PRICE EA.
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THANK YOU

CHEVROLET OWNER PROTECTION PLAN

The Chevrolet Motor Division considers it a most important obligation to offer each owner a recommended maintenance service guide which will relieve him of any anxiety and insure that his vehicle is regularly inspected and maintained.

Your Chevrolet dealer has presented you with a Chevrolet Owner Protection Plan Booklet. The Recommended Maintenance and Lubrication items in this Plan Booklet have been worked out by Chevrolet service personnel and cover items which are the owners responsibility to have checked, inspected, adjusted and lubricated at recommended time or mileage intervals.

If the services are carried out at the prescribed time or mileage intervals, wear and owner expense will be kept to a minimum. Additional services may become necessary as mileage accrues, however, the regular visit that you make to your Chevrolet dealer in following this Plan will point out desirable services as they become necessary.

In the event warranty repair is required on your Chevelle, the Chevrolet Protect-O-Plate affixed to the back cover of your Protection Plan booklet will assist in identifying you and your Chevelle to your Chevrolet dealer.

