

Set it and forget it for complete weather control

DIAL

year 'round driving comfort

- AUTOMATIC WEATHER CONTROL
- FOUR SEASON CLIMATE CONTROL
- ALL WEATHER CONTROL
- CUSTOM AIR CONDITIONING



Set it and forget it for complete weather control-Automatic "COMFORTRON" Controlled "FOUR SEASON" Air Conditioner

The finest automatic temperature control system available for automobiles



SPRING

SUMMER

FALL

WINTER



CHEVROLET ENGINEERING CENTER

In the complex technology of today's modern industry, it is not enough to have an idea. The vital job of creating new products for more driving comfort must be transposed from an idea to a satisfactory finished product. Chevrolet has brought together these skills and talents under one single roof. The engineering job does not end here . . . after the idea is transposed to working models, many months of testing and evaluation of the performance of the product is done at the Milford, Michigan and Phoenix, Arizona Proving Grounds to assure better products for more driving comfort.

All vehicles in this publication are shown with extra cost equipment. All illustrations and specifications in this publication are based on the latest product information available at time of publication. The right is reserved to make changes at any time without notice in color, materials, equipment, specifications, and models; also to discontinue items or models.

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GENERAL MOTORS CORPORATION

CHEVROLET MOTOR DIVISION
GENERAL MOTORS CORPORATION
DETROIT, MICHIGAN 48202

**THE RIGHT
TEMPERATURE
AT THE RIGHT TIME
365 DAYS A YEAR
FOR COMPLETE
DRIVING COMFORT**



The "Comfortron" four season heating and air conditioning unit automatically controls the heating and cooling components to maintain a constant in-car temperature regardless of the outside weather.

Select any in-car temperature anywhere between 65 and 85 on the rotating dial that is comfortable and that temperature will be maintained automatically by three sensors in the heating and cooling system. The in-car sensor determines the interior temperature and relays the temperature information to a control center that automatically adjusts the controls to the temperature that the dial calls for in the car.



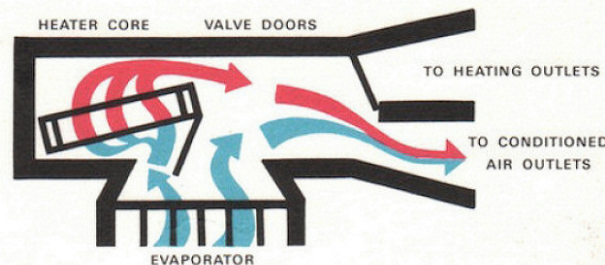
Only available as factory installed option.



FEATURES OF AUTOMATIC "COMFORTRON" FOUR SEASON AIR CONDITIONING

- Automatic temperature and humidity control regardless of outside climate.
- Clean refreshing conditioned air with 98% of irritating pollen removed.

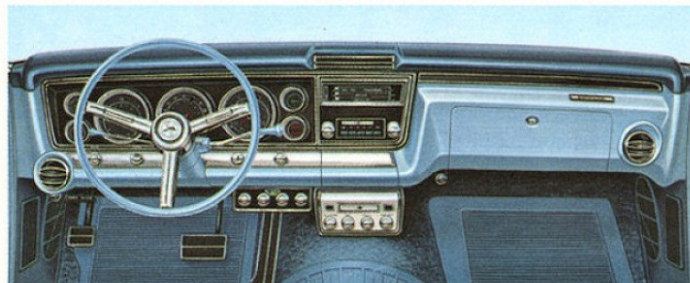
NOTE: Normally the system operates on 100% outside air. However, during EXTREMELY hot weather, the system automatically switches to a combination of 80% recirculated air and 20% outside air for greater comfort.



UNIQUE AIR-MIX PROCESS FOR NEW COMFORT

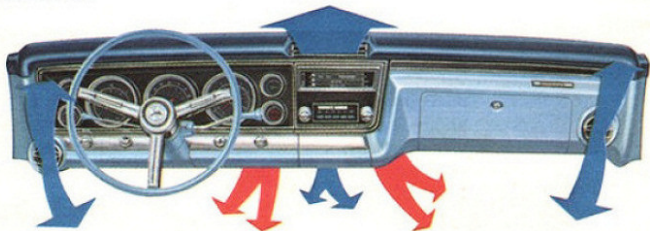
The "Bi-Level" air feature of the "Comfortron" four season air conditioner is not incorporated in most makes of air conditioners. The air-mix process allows cool conditioned air to be mixed with warm conditioned air from the heater. The "Comfortron" unit automatically blends the conditioned air as shown above. The air distributor is located under the instrument panel and contains the heating and cooling cores, with an arrangement of air chambers and valve doors, which automatically adjust to accomplish full heating or cooling or a desirable combination of both.

Factory "FOUR SEASON" Air Conditioners for Chevrolet and Chevelle



CONDITIONED AIR DISTRIBUTION "FOUR SEASON" EQUIPPED CARS

The center outlet adjusts upward to direct conditioned air to the rear seat area, downward to direct cool air to front seat area. The ball outlets rotate 360° to distribute conditioned air in any desired direction. Fixed openings under instrument panel direct conditioned air to the floor area as shown by the blue arrows. All the outlets can be completely closed if desired. For heating, fixed outlets under instrument panel direct warm air to each side of the floor area as indicated by red arrows.

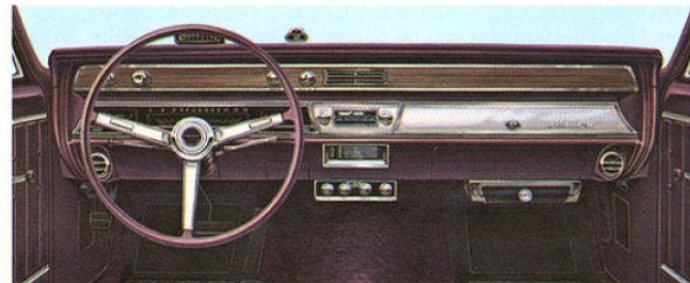


The "Four Season" factory installed air conditioners are modern heating, cooling and ventilating systems. They can be operated on outside air, recirculated air or a mixture of both to control the temperature and reduce humidity to create pleasant driving comfort 365 days a year. Factory option air conditioners have the following modified advantages: Heavy duty radiator and higher pressure cap; special carburetor with special idling jets to help prevent engine stalling in extremely hot weather; higher output alternator to meet heavier electrical loads; increased load rated front springs; 5-blade fan and modulated fan clutch for reduced fan noise and increased engine cooling.

FEATURES OF CHEVROLET AND CHEVELLE "FOUR SEASON" CLIMATE CONTROL AIR CONDITIONERS

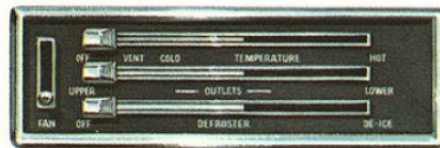
- The "Bi-Level" air feature of warm air on the floor and cool air at the breath level on the in-between days of spring and fall.
- The conditioned air with the excess "MOISTURE" and 98% of the irritating "POLLEN" removed from the air.
- Enjoy your favorite radio programs in a quiet, tension-free ride.
- The outside air "GENTLE PRESSURIZATION" inside the car that helps force out smoke and odors.
- The quieter ride with less wind roar as you ride with "ALL WINDOWS" closed.
- General Motors proven quality, reliability and dependable low maintenance and operating costs.

Only available as factory option.

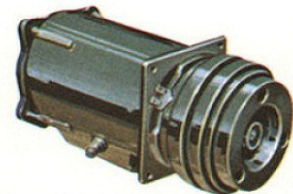


SIMPLIFIED HEATING AND COOLING CONTROL PANEL

Three levers and one switch control the entire heating, defrosting and cooling system. The top lever controls the inside air, outside air and defrosting operations. The middle lever controls the heating, cooling and mix-air features. The bottom lever regulates the temperature for either the heater or air conditioner. The one switch operates the fan for both the heater and air conditioner.

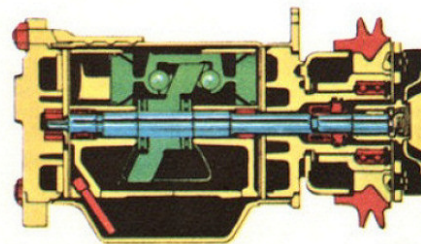


Frigidaire Compressors



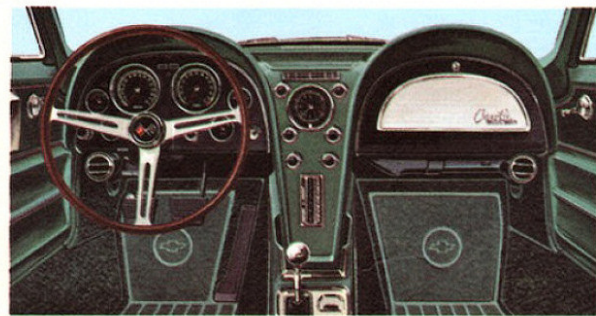
The heart of any air conditioner is the compressor. The Frigidaire Compressor is the only six cylinder axial type compressor with an electro-magnetic clutch used for automotive air conditioning. Most automotive air conditioners use a two cylinder type compressor. Three double acting pistons make up the six cylinders. The pistons are mounted axially around the compressor shaft to operate in a front and rear cylinder assembly and are actuated by a swash plate driven by the compressor crankshaft. Each cylinder end has its own suction and discharge valve and the front and rear heads are interconnected to combine pumping action at the rear head where all external refrigerant connections are made. Balanced to minimize noise and vibration. Frigidaire compressor will give long trouble-free service and high cooling performance under all driving conditions. The Frigidaire Compressor is completely serviceable and all parts are available when compressor requires service.

CUT AWAY VIEW OF FRIGIDAIRE COMPRESSOR



only GM air conditioners use genuine Frigidaire compressors

Factory "FOUR SEASON" Air Conditioner for Corvette



Only available as factory option.

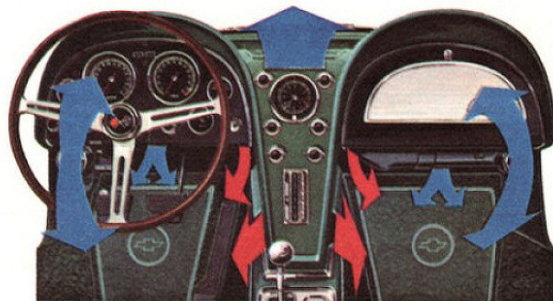
The Corvette "FOUR SEASON" air conditioning unit is a complete heating, cooling, defrosting and ventilating system that can be operated on outside air, recirculated air or a mixture of both for the "Bi-Level" air feature for year 'round control of temperature and humidity.

FEATURES OF "FOUR SEASON" CLIMATE CONTROL

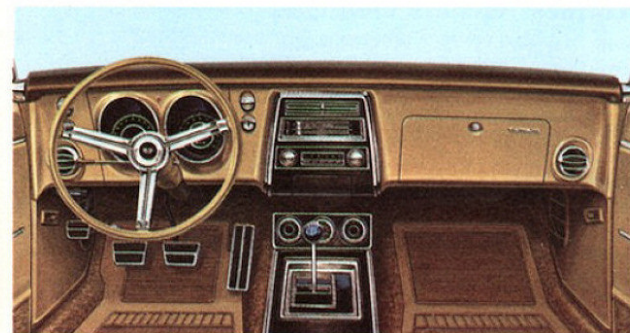
- The "Bi-Level" air feature of warm air on the floor and cool air at the breath level on the in-between days of spring and fall.
- The conditioned air with the excess "MOISTURE" and 98% of the irritating "POLLEN" removed from the air.
- Your favorite AM-FM radio program in a quiet, tension free ride with the windows closed.
- The outside air "GENTLE PRESSURIZATION" inside the car that helps force out smoke and odors.

CONDITIONED AIR DISTRIBUTION IN CORVETTE

Cooled or tempered conditioned air can be directed as shown by the blue arrows. The center vaned outlet can be adjusted upward or downward to vary the air flow as desired. The ball outlets rotate 360° and can be closed by means of the knobs below and several inches inboard of the outlets. About six inches inboard from the ball outlet, shut-off knobs are two rotating covers that can be opened for additional cooling to the floor area, or closed if desired. For heating, fixed outlets under the instrument panel direct warm air to each side of the floor area as indicated by the red arrows.



Factory "FOUR SEASON" Air Conditioner for Camaro



Only available as a factory option.

The "Four Season" factory-installed air conditioner is a modern heating, cooling and ventilating system. It can be operated on outside air, recirculated air or a mixture of both to control the temperature and reduce humidity to create pleasant driving comfort 365 days a year. The factory option air conditioner has the following modified advantages: Heavy-duty cooling; special carburetor with special idling jets to help prevent engine stalling in extremely hot weather; higher output alternator to meet heavier electrical loads; increased load-rated front springs; 5-blade fan and modulated fan clutch for reduced fan noise and increased cooling efficiency.

FEATURES OF "FOUR SEASON" CLIMATE CONTROL:

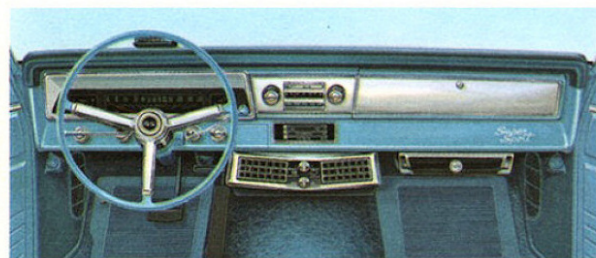
- The conditioned air with the excess "MOISTURE" and 98% of the irritating "POLLEN" removed from the air.
- The quieter ride with less wind roar as you ride with "ALL WINDOWS" closed.
- Enjoy your favorite radio program in a quiet, tension-free ride.
- The reduced driving tension on hot and high humidity days.
- The "Bi-Level" air feature of warm air on the floor and cool air at the breath level on the in-between days of Spring and Fall.
- The smoke and odor-free air when using outside air with either the air conditioner or heater.
- General Motors proven quality, reliability and dependable low maintenance and operating costs.

Ride COOL and refreshed with a Chevrolet Air Conditioner... enjoy a new driving thrill the year 'round no matter what the outside weather...

THE CHEVROLET WAY



Factory "ALL WEATHER" Air Conditioner for Chevy II



The "All Weather" Air Conditioning System operates in conjunction with the heater to provide conditioned air for passenger comfort during every season of the year.

FEATURES OF "ALL WEATHER" CLIMATE CONTROL

- The conditioned air with the excess "MOISTURE" and 98% of the irritating "POLLEN" removed from the air.
- Your favorite radio programs in a quiet, tension-free ride with all the windows closed.
- The outside air "GENTLE PRESSURIZATION" inside the car that helps force out smoke and odors.
- A clean car interior and quieter ride as you drive with all windows closed.
- The "Bi-Level" air feature of warm air on the floor and cool air at the breath level on the in-between days of spring and fall.
- An in-car comfort that controls the temperature and humidity so that you arrive fresh with no damp or wilted clothing.

Only available as factory option.

SIMPLIFIED HEATING AND COOLING CONTROL PANEL

Three levers and one blower switch on the control panel plus the two knobs on the air conditioning evaporator unit control the heating, cooling and defrosting operations. The top lever controls the inside and outside air distribution for both the heater and air conditioner. The middle lever controls the temperature range for the heater. The lower knob on the air

conditioner controls the temperature range for the air conditioner. The upper knob on the air conditioner controls the three speed fan for air conditioning. The three speed fan switch in the heater control panel regulates the heater fan speed. The bottom lever operates the defroster unit.



Factory "ALL WEATHER" Air Conditioner for Corvair



The heater and air conditioner are not connected functionally except for the common control assembly in the instrument panel. The manual control levers can be adjusted to allow for cooling and heating; with cool air to the upper breath level and warm air at the floor level for the in-between seasons. Both the heater and air conditioner can be operated on either outside air, recirculated air or a mixture of both for in-car comfort.

Only available as factory option.

PERFECT DRIVING COMFORT 365 DAYS A YEAR!

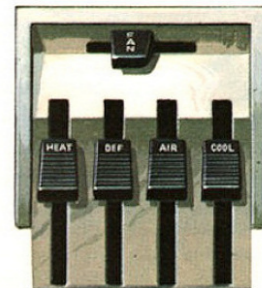
FEATURES OF "ALL WEATHER" CLIMATE CONTROL

- The quieter ride with less wind roar as you ride with "ALL WINDOWS" closed.
- The conditioned air with the excess "MOISTURE" and 98% of the irritating "POLLEN" removed from the air.
- The warm air on the floor and cool air at the breath level on the in-between days of spring and fall.
- The smoke and odor-free air when using outside air with either the air conditioner or heater.
- General Motors proven quality, reliability and dependable low maintenance and operating costs.

SIMPLIFIED HEATING AND COOLING CONTROL PANEL

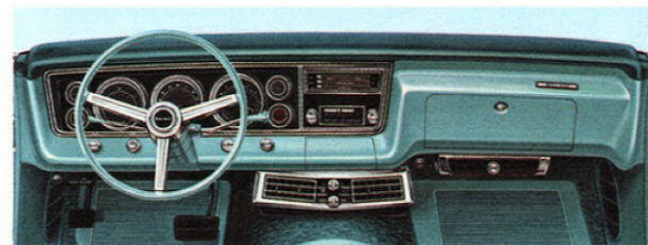
Four vertical levers and a fan blower switch are located in a common control panel for both heating and cooling operations of the unit. The "HEAT" lever controls the air temperature of the heater. The "DEF" lever controls the defrosting operation. The "AIR" lever controls the inside and outside air distribution in the vehicle. The "COOL" lever controls the temperature of the air condi-

tioned air. The fan blower switch controls the air distribution of both the heater and air conditioner. The "Bi-Level" air feature can be obtained by depressing the "HEAT" lever down to the desired air temperature for the floor area and depressing the "COOL" lever down to the desired air temperature at the breath level.



GM Chevrolet Air Conditioners for Chevrolet / Chevelle / Chevy II and Camaro

The G.M. Chevrolet air conditioner is designed to be an integral part of the above Chevrolet cars and to cool efficiently under all driving and weather conditions. Adjustable air outlets are designed and located in the air conditioner to properly distribute the conditioned air throughout the car to obtain the greatest passenger comfort. The two front grille louver outlets can be adjusted to vary the conditioned air flow in any one of four directions in the car. The outlet located at each end of the unit can be adjusted to vary the air flow as desired. The volume of cool conditioned air is controlled by a three speed twin centrifugal blower system. On cars equipped with a factory heater, both the air conditioner and heater can be operated in the spring and fall to obtain a tempered dehumidified temperature in the car.



CHEVROLET



CHEVY II

FOUR OF THE UNDESIRABLES OF COMFORT



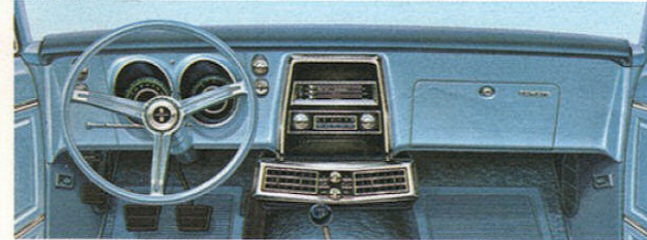
HEAT



HUMIDITY



CHEVELLE



CAMARO



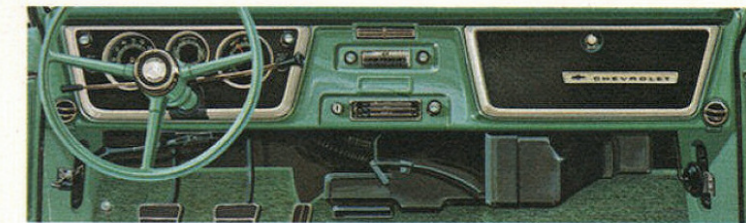
POLLEN



DUST AND NOISE

Truck "ALL WEATHER" Air Conditioner

A factory engineered air conditioner designed exclusively for Chevrolet trucks. Factory installed units include a "DELUXE" heater and defroster. Dealer installed units can use either the Deluxe or Thriftair heater and defroster. The air conditioner can be installed on most gasoline and some diesel trucks, except Chevy-Van, Step Van and tilt cab trucks.



FEATURES OF "ALL WEATHER" AIR CONDITIONING:

- The air conditioner or heater can be operated on either "OUTSIDE" or "RECIRCULATED" air, or a mixture of both to reduce window fogging.
- Clean conditioned air with excess "MOISTURE" and 98% of the irritating "POLLEN" removed from the air.
- The reduced driving tension on hot and high humidity days.
- The smoke and odor-free air when using outside air with either the air conditioner or heater.
- The "Bi-Level" air feature of warm air on the floor and cool air at the breath level on the in-between days of spring and fall.
- General Motors proven quality, reliability, low maintenance and operating cost, as virtually no additional labor is required when the truck requires service.

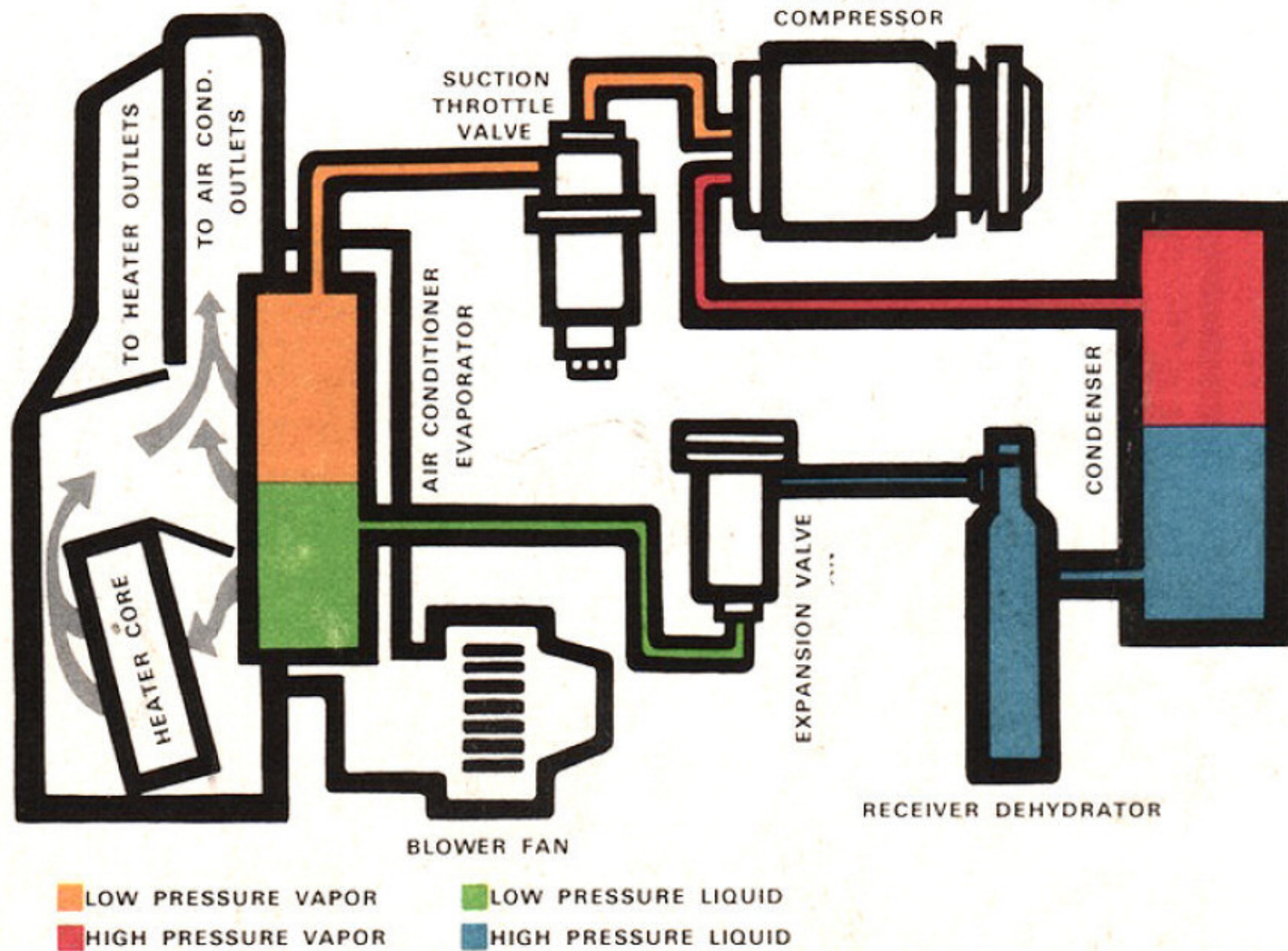
NOTE: For best performance close all windows and vents when operating the system except when the truck interior is very hot.

FEATURES OF G.M. CHEVROLET AIR CONDITIONING:

- The conditioned air with the excess "MOISTURE" and 98% of the irritating "POLLEN" removed from the air.
- A cleaner, quieter ride as you drive with all windows closed.
- The reduced driving tension on hot and high humidity days.
- Enjoy your favorite radio program in a quiet, tension-free ride.
- The warm air on the floor and cool air in the upper level of the car with both the heater and air conditioner operating on the in-between days of spring and fall.
- Arriving with no perspiration damp or wrinkled clothing.

Available as dealer installed option only

"FOUR SEASON" Heating and Cooling Cycle



1. Freon, a liquid refrigerant which absorbs heat from the air, is stored in the Receiver-Dehydrator.
2. The liquid Freon passes from the Receiver-Dehydrator to the Evaporator Core, where it's maintained at 32°F. The cold Freon changes to a vapor as it absorbs heat from the incoming air passing around the Evaporator. Moisture in the air condenses on the cold Evaporator core surface, trapping dust and pollen, then washing them out the evaporator drain.
3. Freon is pumped through the system by the Compressor, which also compresses the heat-laden Freon vapor from the Evaporator . . . raising its temperature to about 200°F.
4. The hot, compressed vapor passes from the Compressor to the Condenser, which dissipates the excess heat into the relatively cooler outside air, causing the Freon vapor to change again to a liquid. The liquid Freon returns to the Receiver-Dehydrator—ready for another cycle, through the cooling system.
5. Cold air to be warmed passes through the Evaporator Core directly to the Heater Core. Hot water from the engine's cooling system flows through the Heater Core, warming the colder air as it passes over the core's surface.
6. Warmed air, cooled air or any mixture of the two is delivered to the passenger compartment by a variable-speed Blower.

We extend to you a most cordial invitation to make our dealership your headquarters for all your transportation needs. Our staff of "FACTORY" trained personnel are at your service with a complete stock of genuine Chevrolet parts and accessories available.