

# Volkswagen Products Corporation

1972 Air Conditioners

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This is Volkswagen Products Corporation, a subsidiary of Volkswagen of America, Inc., where air conditioners are made for all kinds of Volkswagens, Audis, and Porsches. It is located in Fort Worth, Texas.

Air conditioners in automobiles are a necessity to reduce heat, humidity, noise, air pollution and driver fatigue. Even in areas where the summer is relatively short, customers want it. We know this! Do you? Our air conditioners keep on performing just as well after a heavy winter as a sweltering summer.

Our warranty is for 24,000 miles or 24 months. Like the cars for which we build air conditioners, quality is the most important ingredient. Good installations complement this. They are designed for easy installation and servicing. Most distributors offer port installed air conditioners to make it even easier for you to sell.

Customers are ready to buy air conditioning. They want it with their new or used car. Why not help them, regardless what season it is.





## How does our system work?

Our system, in principle, is like any other automobile air conditioner. With one important difference though. We make air conditioners so that more Volkswagens, Porsches and Audis can be sold.

Each air conditioner fully complements the vehicle model for which it is designed. Quality in every respect is part of this design. One out of ten production workers is an inspector and every single air conditioner that leaves our lines is tested.

Let us look at the Type 4 air conditioner to explain our system.

The compressor turns a refrigerant gas called R-12 into hot vapor and pumps it through the system. It is driven off the crankshaft pulley on the engine by a durable rubber belt. The compressor and its electromagnetic clutch assembly is mounted on a heavy duty steel bracket next to the engine. Rubber bushings are used to dampen vibration. The clutch operates so smoothly that it is hardly noticeable.

The condenser converts the vapor into liquid. This happens when the vapor passes through the condenser coil. The coil is cooled by the air flow of the moving vehicle and two low amperage electric fans. The fans assure efficient cooling even while the vehicle is idling in city traffic. All exposed parts stand up to rain and snow.

A high capacity receiver-drier removes moisture and impurities from the system. It has a sight glass for easy checking. Lines between refrigeration components are weather resistant rubber hoses.

The evaporator receives the liquid into a special cooling coil. Air from the inside of a car is forced over this coil by a three-speed blower fan. By recirculating the air, it cools and dehumidifies at the same time. Moving through the coil, the refrigerant turns into a gas and returns to the compressor.

All evaporators are designed to blend with the interior of each vehicle model. The bezel and vent arrangements provide efficiency of air flow without neglect to styling.

The controls are very simple. One for temperature and the other for the three-speed blower. An exclusive feature is an automatic shut-off controlled by the ignition key. This prevents overloading of the electrical system when starting or shutting off the engine. It also prevents running down the battery if the air conditioner is left on when the ignition switch is turned off.

On the following pages, we describe each air conditioning model and hope it will bring our program a little closer to you. To help you even further, we have made available detailed installation instructions, parts manuals, trouble-shooting aids, special tools, and templates. These aids can be obtained through your distributor.

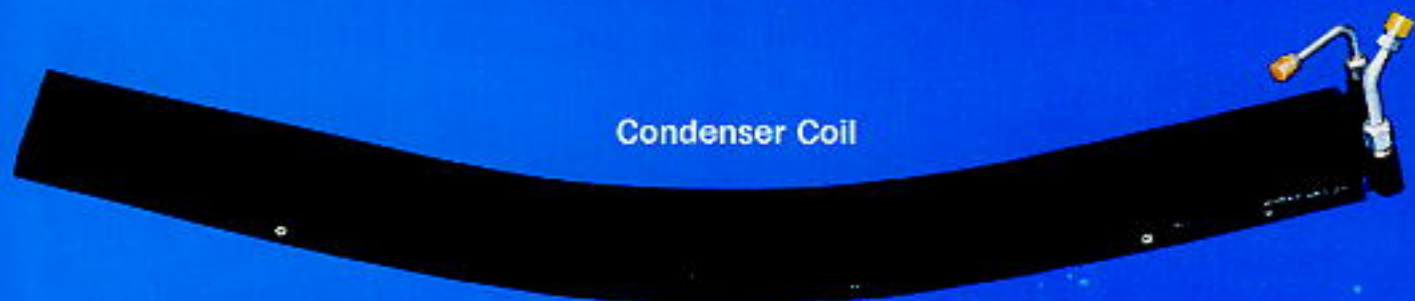




Hoses and Receiver-Drier



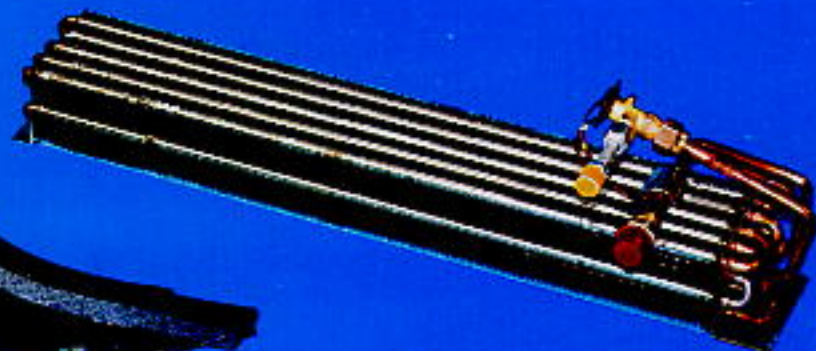
Compressor, Clutch, and Bracket



Condenser Coil



Condenser Fan



Evaporator Coil  
and Expansion Valve

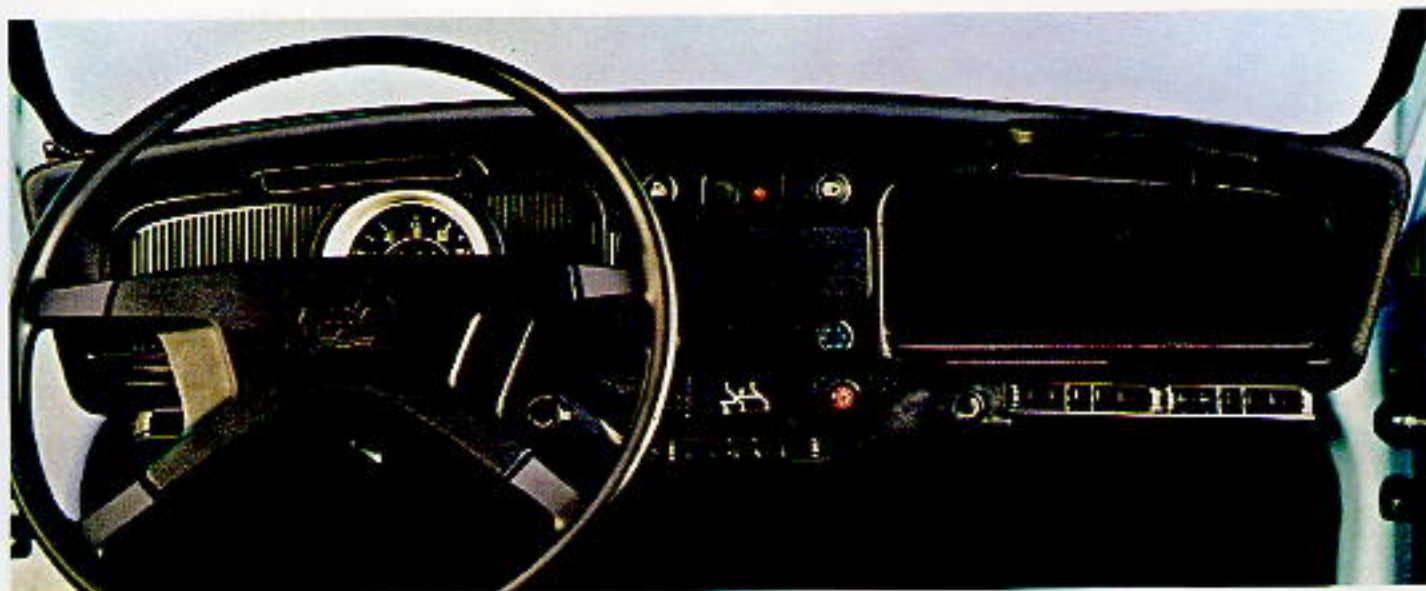
## Custom Beetle



The evaporator in the Custom Beetle mounts flush underneath the dash panel. Cold air is forced evenly through four fully directional louvers. The front bezel is styled to follow the contour of the dash panel and to permit maximum legroom.

The condenser is installed between the front skirt and the axle. The most sensible arrangement for maximum road clearance. No luggage space is lost. The compressor is mounted, as on all of our other models, on a sturdy bracket in the engine compartment.

The air conditioner has our model number ZVW 203 121 and fits in all 1971 and 1972 Custom Beetles. For California, the Automatic Stickshift requires our model number ZVW 203 122.





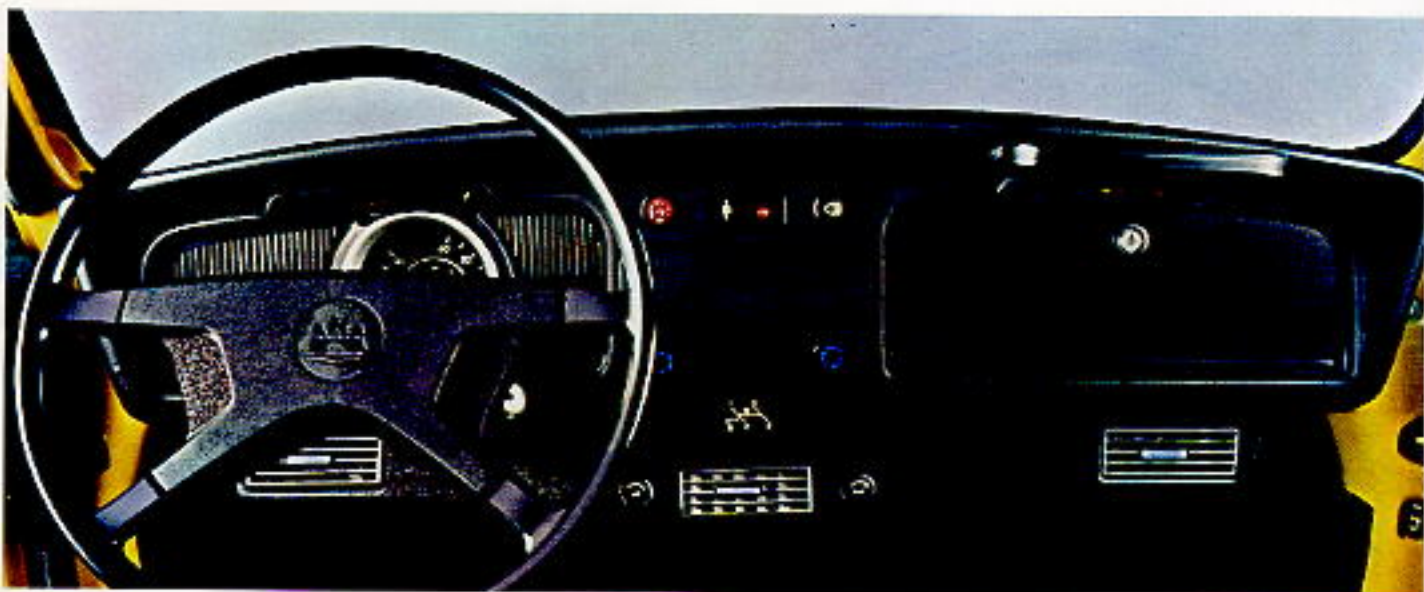
## Super Beetle



The Super Beetle's evaporator case mounts flush against the dash panel. Three large adjustable louvers distribute the cold air in any selected direction. The low setting of the three-speed blower control reduces the sound of the cold air to a whisper. We designed our other models that way also. The front bezel is in perfect harmony with the dash panel with the least interference in the legroom area. The Super Beetle has its own fresh air system, which is not affected by the air conditioning.

The condenser is located behind the grill on the front skirt. It belongs there. No luggage space is lost. The compressor, as usual, is custom fitted in the engine compartment.

The air conditioner has our model number ZVW 203 131 and fits all 1971 and 1972 Super Beetle models. For California, the Automatic Stickshift requires our model number ZVW 203 132.



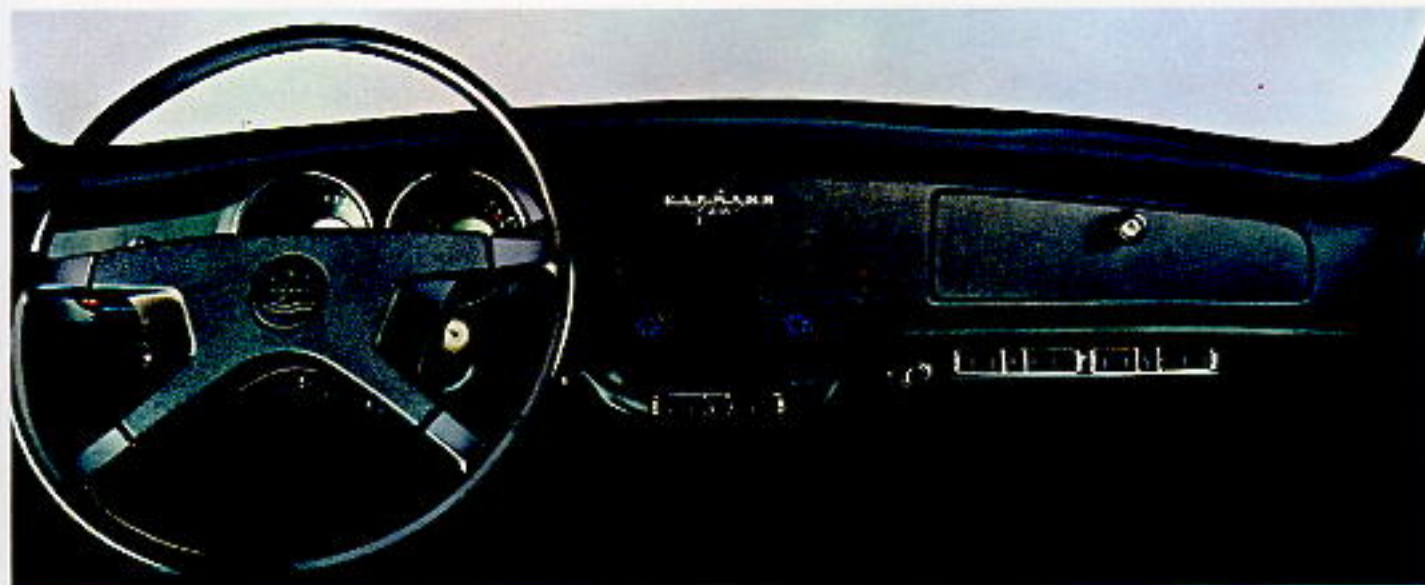
## Karmann Ghia



For the Karmann Ghia the evaporator mounts flush underneath the dash panel. The four low profile louvers are fully adjustable to direct the cold air throughout the car. It is a truly trimline styled front bezel that fits the elegant lines of the Ghia body and allows for maximum legroom.

The condenser is installed between the front skirt and the axle. No luggage space is lost. The compressor mounts in the engine compartment and as in all other models, all connecting lines between the components in the front and rear of the car are completely weather-resistant rubber hoses. This assures reliable performance season after season.

The air conditioner has our model number ZVW 203 142 and fits all 1972 Karmann Ghia Coupes and convertibles. For California, the Automatic Stickshift requires our model number ZVW 203 143.





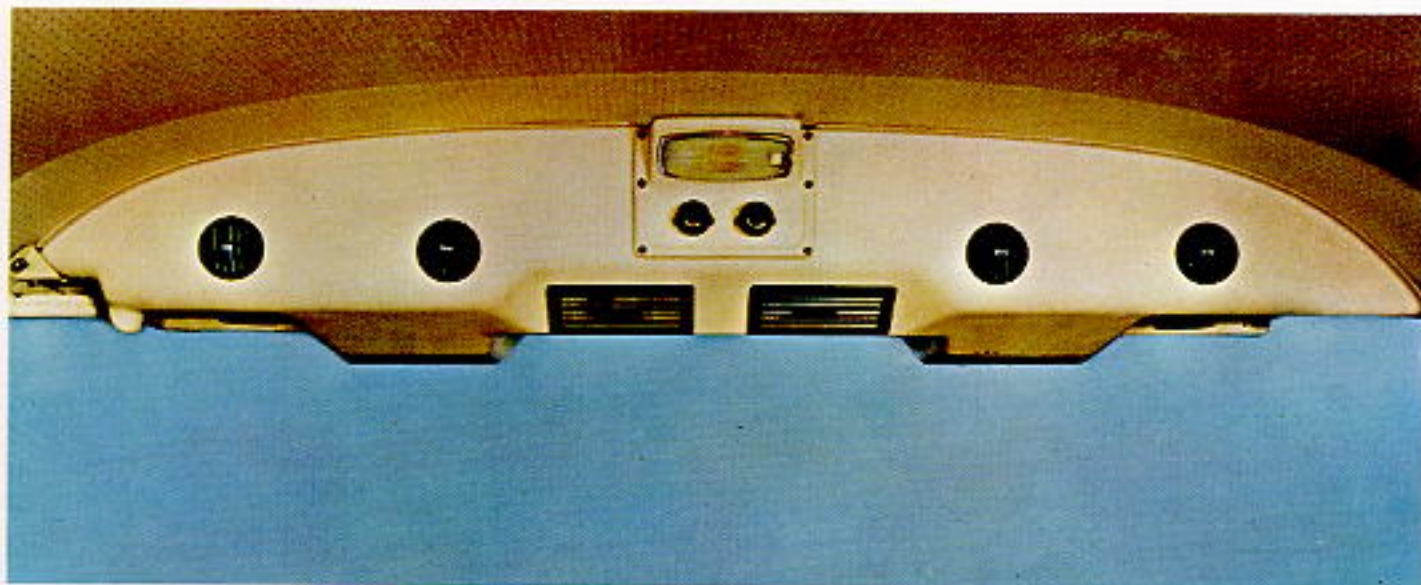
## Station Wagons



Type 2 Station Wagons have the evaporator case neatly fitted against the inner roof line. It has a large capacity and its location is behind the front seat, circulating cool air throughout the vehicle. To do this, it has twelve louvered outlets—four facing the front, four to the rear, two straight down, and two diagonally forward. Its white grained finish is a perfect blend with the interior of the vehicle.

The condenser assembly mounts underneath the floor in the center of the vehicle. The compressor is installed similar to the Type 4.

The air conditioner has our model number ZVW 203 222 and fits all 1972 Station Wagons.



## Camper



In the Camper, we hid the evaporator behind the left front seat instead of against the roof as in the other Type 2. In this location, the evaporator case efficiently distributes cool air to all areas. It has three fully directional louvers pointing to the rear, two to the front and one to the right. It adds cool comfort to the vacation house on wheels. In the Camper, where every inch counts, this installation shows what our total design concept can accomplish.

The condenser is mounted underneath the floor of the vehicle as in all Type 2 Station Wagons. The compressor is mounted as in the Type 4.

This air conditioner has our model number ZVW 203 232 and fits all 1972 Camper models.





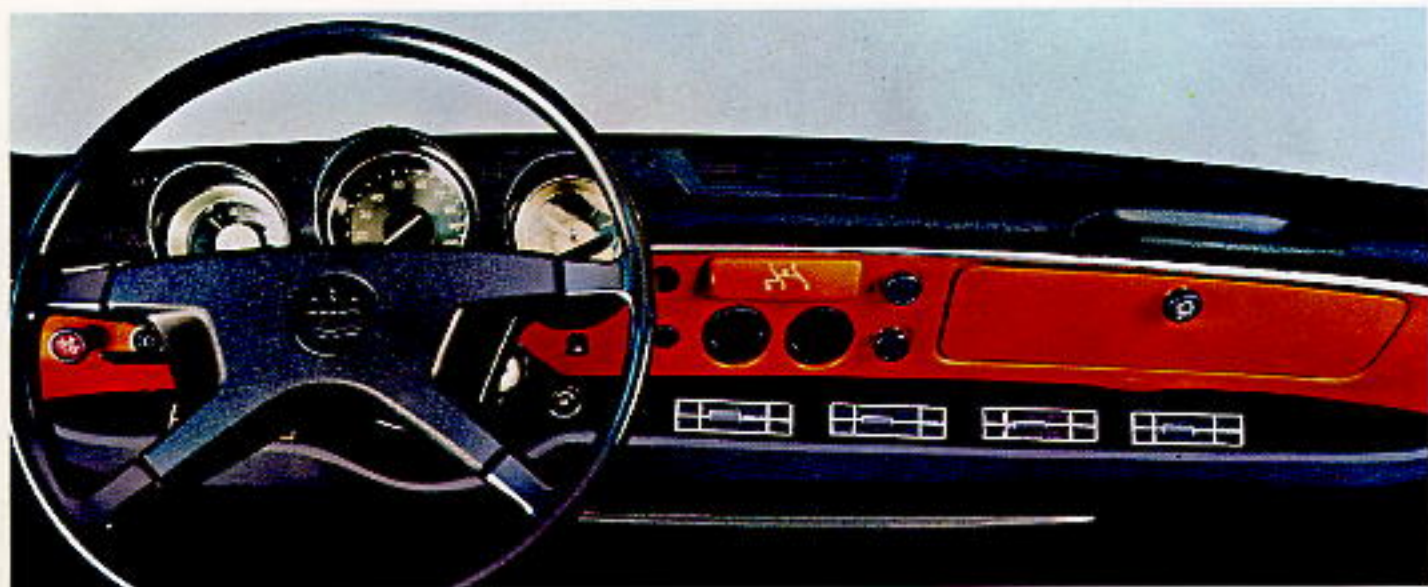
## Fastback and Squareback



For the Type 3 models, we mounted the evaporator underneath the dash panel. Five fully adjustable louvers direct the cool air wherever it is wanted. On our 1972 models, we redesigned the bezel for even better air distribution. Its appearance is ideally matched with the dash panel with minimum interference in the legroom area. Provisions for installing a radio underneath the evaporator case were also made and, of course, the car's own fresh air system operates independently.

The condenser is behind the spare tire well in front of the axle and no luggage space is lost. The compact compressor mounts to the right of the pancake style engine.

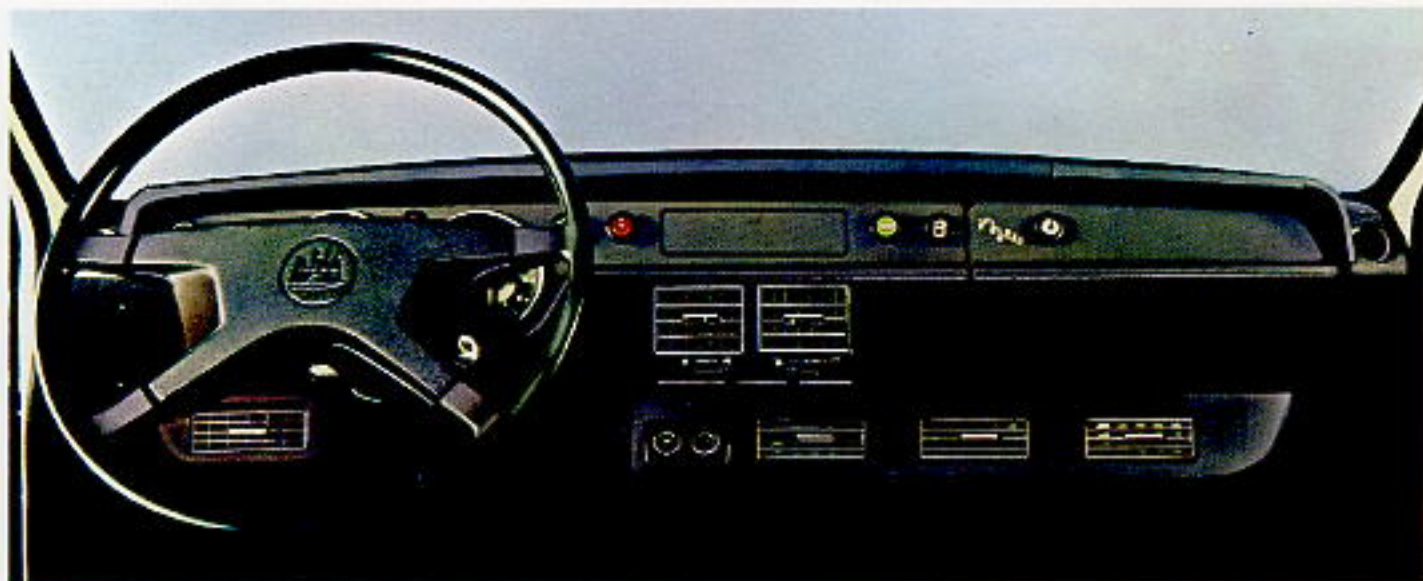
The air conditioner has our model number ZVW 203 372 and fits 1972 models.





We mounted the evaporator underneath the dash panel. Four large fully directional louvers distribute the air evenly throughout the vehicle. The styling of the front bezel is completely matched with the panel and permits maximum clearance in the legroom area. The controls are within easy reach to the right of the steering column.

A large capacity condenser tucks behind the front bumper. This type of arrangement preserves all of the luggage area. The compressor mounts in the engine compartment. This air conditioner has our model number ZVW 203 411 and fits all 1971 and 1972 Sedan and Wagon Type 4 models. For Wagons, an additional installation kit number ZVW 234 799 is available at no extra charge.





## Audi Super 90



The evaporator mounts underneath the dash panel towards the right-hand side of the vehicle. The cold air is distributed through the original right and left vents in the dash panel. Another vent is added in its center. The controls for the three-speed blower and thermostat are designed as part of the handsome shelf underneath the dash with minimum interference in the legroom area. The defroster continues to operate independently of the air conditioning system.

Two condensers are needed, just as for the Audi 100LS model. One is located underneath the floor and the other behind the front grill in the engine compartment. The compressor is mounted in the engine compartment and, of course, no luggage space is used.

This model ZAW 203 090 fits all 1971 and 1972 Super 90 Sedans and Station Wagons.



## Audi 100LS



The evaporator is located inside the engine compartment and cool air is distributed through the original vents in the dash panel. 1972 models have a redesigned louver on the right for better efficiency. The controls and a third cold air outlet blend completely into the center of the dash panel. Incidentally, the controls are of the lever type on a lighted panel. The entire air conditioning looks and works like a factory installed version without any interference in the legroom area.

The two condensers and the compressor mount in the engine compartment, and of course, no luggage space is used.

Our air conditioner has the model number ZAW 203 100 and fits all 1972 100LS models.





## Porsche 914/4



The evaporator mounts underneath the dash panel. Four large louvers direct the cold air throughout the car. It is in perfect harmony with the styling of the dash panel and provides the greatest comfort for the driver and passenger.

The condenser mounts in the area of the spare tire well. The compressor fits as usual into the engine compartment. The air conditioner has our model number ZPW 203 914 and fits all 1971 and 1972 models.

