
MERCEDES-BENZ
air conditioner by

frigiking

OPERATOR'S GUIDE AND EQUIPMENT WARRANTY

MERCEDES-BENZ AIR CONDITIONER

BY



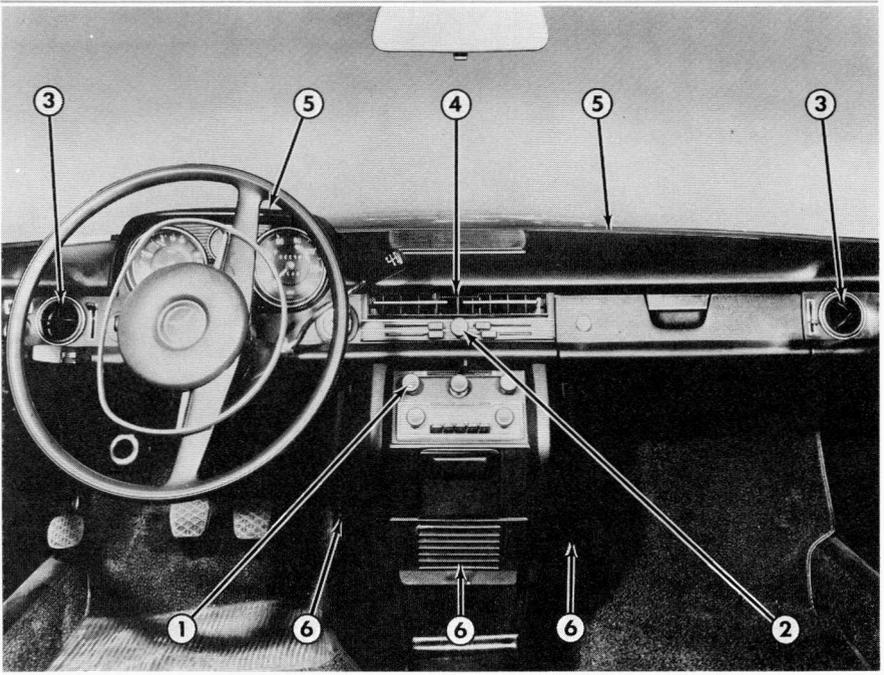
operator's guide

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MERCEDES-BENZ

220
220 D
230
250



1. Master Switch (**Thermostat**)
2. Motor Speed (**Air Control Switch**)
3. Side Louvers
4. Center Louver
5. Windshield Defroster Vents
6. Evaporator Air Intake (**do not block**)

OPERATOR'S INSTRUCTIONS

for types 220 220D - 230 - 250 - 250CE

Frigiking

Air Conditioner

Your air conditioner is operated by two (2) controls (see photo).

1. The master switch (**temperature control**) is located to the driver's side of the console panel. Turn knob clockwise for cooler settings. For city driving, the knob indicator should be positioned in the red area. For highway driving use any setting in the blue area, depending on the ambient temperature.
2. The heater motor speed control knob also controls the speed of the air conditioner motor when the master switch is in any "on" position.

Air Direction (Center Louvers) Your air conditioner incorporates adjustable air louvers. These louvers can be directed to any area of the car. For the best results, direct more air to the area of the car that has the most sun load.

Air Direction (Side Vents) These are also adjustable. Use as suggested above.

Air Direction (Windshield Defroster Vents) To use these outlets, move the defroster control lever to defrost position. However, these should not be used for fast cool down.

Fast Cool Down Turn master switch to any position in the red area. Drive one or two blocks with the windows down (**this moves hot air from the car interior**). Roll up the windows. Adjust the air conditioner heater motor speed control knob to the high setting. After the car interior has cooled down, adjust temperature control knob to desired comfort level.

Driving Conditions

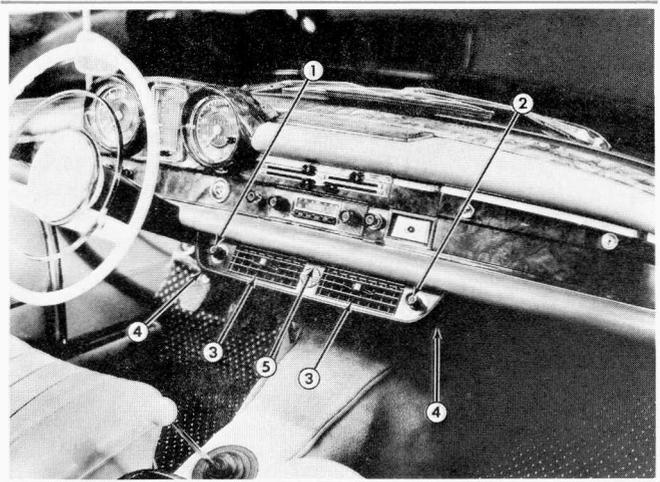
1. When driving in high humidity conditions, you may encounter an icing condition of the evaporator coil when the temperature control knob is in the coldest setting. Icing is readily noticed by a marked decrease in air velocity. To overcome this condition, turn the temperature control in full counter clockwise position. As soon as the coil clears and normal air delivery is restored, adjust temperature control to desired setting and adjust motor speed control to desired setting.
2. During normal city driving, keep temperature control in full clockwise position and regulate motor speed control to desired setting.

NOTE: See General Service portion of this manual for recommended service hints.

OPERATOR'S INSTRUCTIONS

MERCEDES-BENZ 280 SE COUPE AND CONVERTIBLE

1. Motor Speed
(Air Control)
Switch
2. Temperature
Control Switch
3. Adjustable
Louvers
4. 360° Adjustable
Louvers (for foot
area cooling)
5. Clutch Light (unit
operating when
on)



Your air conditioner is operated by two (2) control knobs (see photo).

1. The switch to the left (**driver's side**) is the Master Control as well as Air Volume Control.
2. The switch to the right (**passenger's side**) is the Temperature Control.

Fast Cool Down

1. Make sure all outside vents are closed and the heater controls are in the off position.
2. Open a window.
3. Turn Air Control to Pre-Cool position.
4. Move the Temperature Control to its coldest setting.
5. Drive one block, then move the fan control from Pre-Cool to High. After you have driven one more block close all windows. After the car interior has cooled down, adjust Thermostat knob and Air Control knob to desired comfort level.

City Operation

1. Turn Air Control to desired setting.
2. Adjust Temperature Control to coldest "City" setting if maximum cooling is desired.

Highway Operation

1. Turn Air Control to desired setting.
2. Temperature Control should be

positioned to the "Hiway" setting.

Driving Conditions

At prolonged high speeds, compressor capacity is normally more than is needed and ice may form on the evaporator coil. Icing is readily noticed by a marked decrease in air velocity. To overcome this condition, turn the Temperature Control to the off position. As soon as the coil clears and normal air delivery is restored, adjust Temperature Control to "Hiway" setting.

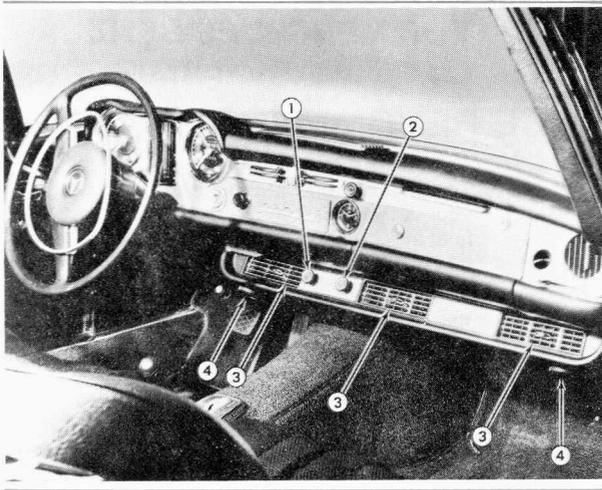
Air Circulation

Move air directional louvers up or down and to the right or left until air flow is toward windows on both sides of the car. This will cause the cool air to circulate quickly, driving the warm humid air toward the air conditioner. If, due to the slant of the sun's rays, one side of the car will require more refrigeration than the shaded side, additional air should be directed to that side to neutralize the heat condition.

NOTE: See General Service portion of this manual for recommended service hints.

MERCEDES-BENZ 280 SL

OPERATOR'S INSTRUCTIONS



1. Motor Speed (Air Control) Switch
2. Temperature Control Switch
3. Adjustable Louvers
4. 360° Adjustable Louvers (For foot area cooling)

Your air conditioner is operated by two (2) controls (see photo).

1. The switch to the left (**driver's side**) is the Master Control as well as the Air Volume Control.
2. The switch to the right (**passenger's side**) is the Temperature Control.

Fast Cool Down

1. Make sure all outside vents are closed and heater controls are in the "off" position.
2. Open a window.
3. Turn Air Control to "Hi" position.
4. Drive one block, then close the window. Adjust Temperature Control to the "City" setting. After the car interior has cooled down, adjust Temperature Control and Air Control knobs to desired comfort level.

City Operation

1. Turn Air Control to desired setting.
2. Adjust Temperature Control to coldest "City" setting if maximum cooling is needed.

Highway Operation

1. Turn Air Control to desired setting.

2. Temperature Control should be positioned to the "Hiway" setting.

Driving Conditions

At prolonged high speeds, the compressor capacity is normally more than is needed and ice may form on the evaporator coil. Icing is readily noticed by a marked decrease in air velocity. To overcome this condition, turn the Temperature Control to the off position. As soon as the coil is clear and normal air delivery is restored, adjust Temperature Control to "Hiway" setting.

Air Circulation

Move air directional louvers up or down and to the right or left until airflow is toward the windows on both sides of the car. This will cause the cool air to circulate quickly, driving the warm humid air toward the air conditioner. If, due to slant of the sun's rays, one side of the car will require more refrigeration than the shaded side, additional air should be directed to that side to neutralize the heat condition.

NOTE: See General Service portion of this manual for recommended service hints.



AIR CONDITIONER FOR MERCEDES-BENZ

GENERAL SERVICE RECOMMENDATIONS

The manufacturer recommends you take your vehicle back to the dealer for a final air conditioner installation inspection at "A" inspection of the vehicle.

The Condenser Coil (**located in front of the automobile radiator**) should be kept clean. Do not use a bug screen in front of your radiator or condenser. This will create an air block and cause engine overheating and impair the cooling capacity of your air conditioner.

Clean leaves, dirt, and other matter from the condenser regularly. A soap solution is recommended.

A refrigerant leak is readily noticed by an oil stain at the leak point. If this occurs, your unit should be checked as soon as possible to eliminate compressor damage.

The following items should be checked once a year:

1. Check all mounting bolts for tightness.
 2. Check belt adjustment and wear.
 3. Check refrigerant hoses for chafing.
 4. Check refrigerant charge.
 5. Check for proper operation of unit.
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Important

The Owner's copy of the Warranty Certificate must be filled out completely and presented to the dealer to obtain Warranty service. The factory copy must be mailed to Frigiking within ten (10) days after installation.

MERCEDES-BENZ of North America, Inc.

EQUIPMENT WARRANTY

Mercedes-Benz of North America, Inc., warrants to its dealers each new Frigiking automobile air conditioner to be free from defects in workmanship and material and will furnish replacements for any parts, which may prove to be defective upon inspection by us, for a period of 24 months or 24,000 miles, whichever shall occur first after date of installation. This warranty also includes labor for such part or parts replacement for 24 months or 24,000 miles, whichever shall occur first, as outlined in Mercedes-Benz of North America, Inc.'s published schedule of labor allowance.

The warranty is effective only when the warranty card is properly filled in (including owner's signature) and mailed to Mercedes-Benz of North America, Inc., within ten (10) days after installation.

Warranty repairs or replacement shall be performed by authorized Mercedes-Benz dealers or their representatives, who are responsible for effecting repairs during the warranty period without charge to the owner, providing a properly completed warranty certificate is presented.

Mercedes-Benz of North America, Inc., shall not be responsible for the cost of warranty repairs or replacements made by anyone other than an authorized Mercedes-Benz dealer or their representative unless prior approval is obtained. Under no circumstances will Mercedes-Benz of North America, Inc.'s liability extend beyond the replacement of parts proven defective during the warranty period, and labor charges as outlined in its published schedule of labor allowances.

This warranty shall not apply to any Frigiking air conditioner which, in the opinion of Mercedes-Benz of North America, Inc., has been altered or repaired in a manner affecting the efficiency or performance of the unit.

Mercedes-Benz of North America, Inc., does not warrant the workmanship of the installer and will not bear any cost due to faulty or incorrect installation, nor shall this warranty apply in the case of accidental damage to the finish or components, abuse, misuse, flood or fire.

The owner shall be responsible for normal maintenance of his air conditioner, which includes, if needed, periodic recharging of the system, tightening connections or the replacement of the receiver-drier due to moisture accumulation in the system.

Normal wear shall not be considered as defective workmanship and material. Replacement of belts and/or refrigerant resulting from normal wear shall not be included in this warranty.

Mercedes-Benz of North America, Inc., shall in no event be liable for consequent damages or contingent liabilities arising out of failure of any unit or parts to operate properly.

Due to the large glass area in automobiles, this equipment is not guaranteed to maintain a specific temperature or specific condition.

Mercedes-Benz of North America, Inc., reserves the right to make changes in design and/or improvements upon its products without imposing any obligation upon itself to install the same upon its products theretofore manufactured.

THIS WARRANTY IS EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, AND OF ALL OTHER OBLIGATIONS OR LIABILITIES ON THE PART OF THE DEALER, MERCEDES-BENZ OF NORTH AMERICA, INC., AND DAIMLER-BENZ AG. DEALER NEITHER ASSUMES NOR AUTHORIZES ANY OTHER PERSON TO ASSUME FOR IT ANY OTHER LIABILITY IN CONNECTION WITH SUCH.

This warranty applies to Frigiking installation in Mercedes-Benz passenger cars only.

**MERCEDES-BENZ
of North America, Inc.**

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