

The air-conditioning system delivers cooled and dehumidized air to the interior of the vehicle for cooling. The system operates with outside air and inside air cooling.

For normal cooling the temperature vacuum switch (1) is set to position "FRESH AIR". Up to the position "INSIDE" 100 % outside air will flow through the evaporator. For max. cooling the temperature vacuum switch (1) is set to position "INSIDE", which will guide approx. 80 % inside air and approx. 20 % outside air through evaporator. The operating levers (9) for heating should be set completely down.

The air-conditioning system operates only with the engine running. High engine speed provides a high speed of the refrigerant compressor and thereby increases the cooling capacity. Engaging the temperature vacuum switch will simultaneously add the blower (fixed stage). To increase and control the air volume, a four-stage blower switch (2) is located above the temperature vacuum switch (1).

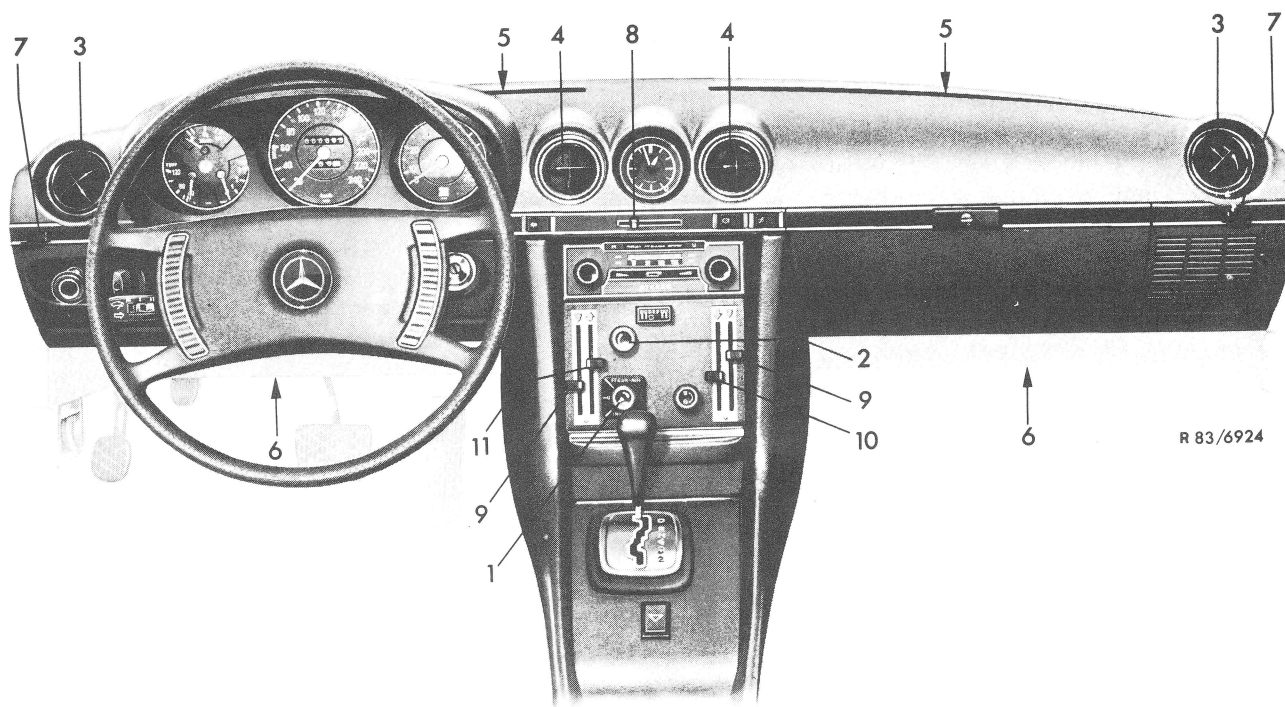


Figure 1

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|---------------------------------------|--|--|
| 1 Temperature vacuum switch | 5 Cooling air outlet from defroster nozzle on windshield | 8 Operating lever cooling air outlet center |
| 2 Blower switch | 6 Cooling air outlet in legroom | 9 Operating lever heater |
| 3 Lateral outlet (cooling air outlet) | 7 Operating lever for lateral outlet | 10 Operating lever legroom |
| 4 Cooling air outlet center | | 11 Operating lever cooling air outlet windshield |

Cooling Air Outlet

Adjustable lateral outlets (3 and 4) are located on both sides and in the center of the instrument panel. They can be adjusted depending on the desired outlet directions of the air. Outlet holes (5) for defrosting of windshield permit an additional cooling of the upper vehicle section. Cooling of the legroom is obtained by openings (6) at the left and right in the cover under instrument panel, where the cooled air is guided directly toward the floor.

Rapid Cooling

For rapid cooling of the interior of a vehicle which has been exposed to bright sunshine for a considerable period the adjustable air outlets (3 and 4) must be opened.

The temperature vacuum switch (1) is set to position "INSIDE" and the blower switch (2) to position 4 (full blower speed). The car windows are opened only until all the hot air is out of the vehicle. As soon as the interior of the vehicle is cool, the temperature switch (1) is adjusted to provide the desired temperature. In addition and upon adequate cooling, all the air outlet holes may be opened. To obtain an air distribution free of draft it is recommended to permit all the cooling air to flow out through the defroster nozzle behind the windshield after adequate cooling down.

This adjustment will cause the outside of the windshield pane to become fogged when the weather is moist and cool. In such a case, the air temperature must be increased (turn temperature switch (1) to the left) or the cooling air outlet toward windshield must be closed.

Important between Seasons!

Between seasons during periods of high humidity (fogging of window panes from inside) the air-conditioning system may be switched on in addition to the vehicle heater. Depending on the position of the temperature vacuum switch (1) the moisture of either the fresh air or the inside air will be removed by the evaporator. The cooled air can then be heated again to a pleasing temperature by positioning the operating lever (9) of the heater as required.

Important! The air-conditioning system must be engaged at least once a month for a short period.

This is particularly important during the cold season, when the air-conditioning system is not required. Operation is required so that the seal at the rotating crankshaft of the refrigerant compressor is lubricated.