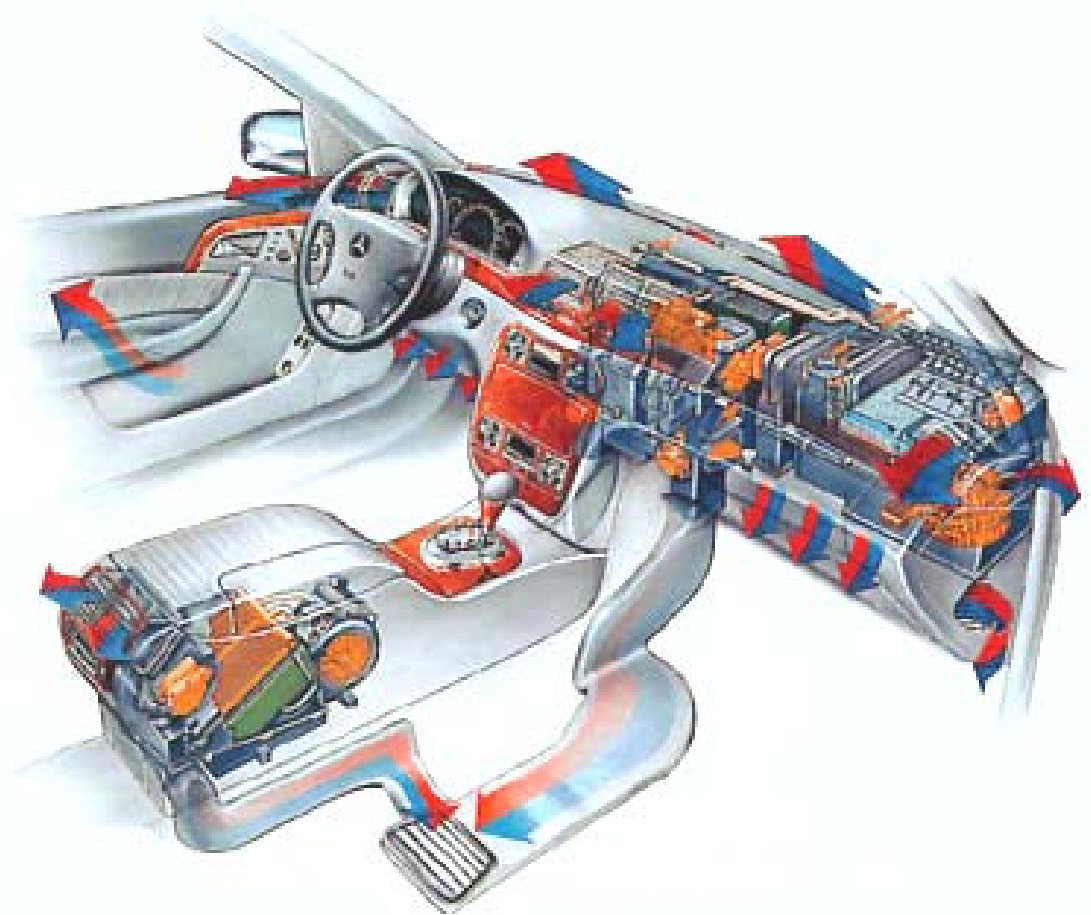




Mercedes-Benz

W220 HVAC



These technical training materials are current as of the date noted on the materials, and may be revised or updated without notice. Always check for revised or updated information.

To help avoid personal injury to you or others, and to avoid damage to the vehicle on which you are working, you must always refer to the latest Mercedes-Benz Technical Publication and follow all pertinent instructions when testing, diagnosing or making repair.

Illustrations and descriptions in this training reference are based on preliminary information and may not correspond to the final US version vehicles. Refer to the official introduction manual and WIS when available.

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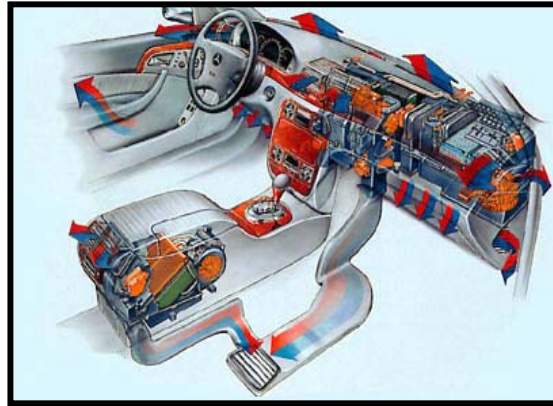
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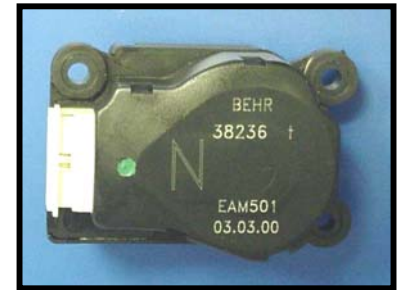
Contents



System I.D. and Function



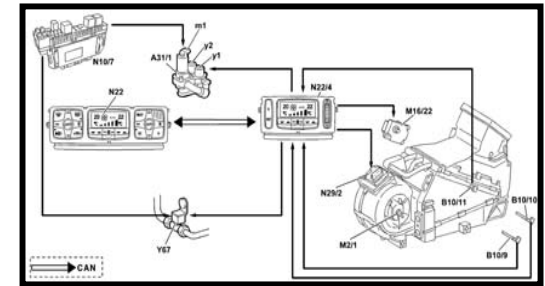
Ventilation



Flap Motors



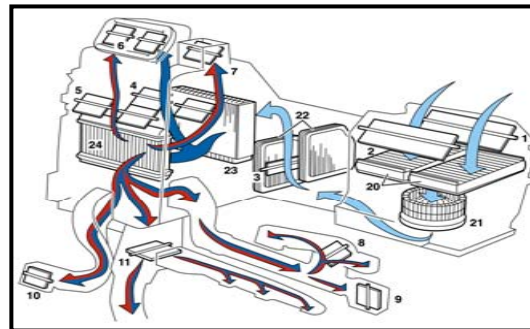
Filtration



CAN Data



Rear A/C



Temperature Control



Sensors

Course Objectives

At the conclusion of this section, the technician will:

- Identify the climate control system used on W220
- Locate climate control components and serviceable items
- Describe the function of climate control systems and related components
- Demonstrate proficiency in operation of AAC by completing shop modules
- Demonstrate ability to test AAC using SDS / DAS by completing shop modules

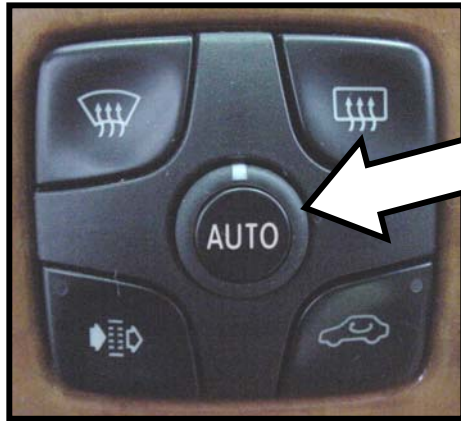
A/C Pushbutton Control Module (N22)



The automatic air conditioning pushbutton control module makes it possible to make adjustments to:

- Interior temperature
- Manual / automatic air blower
- Manual / automatic air distribution
- Recirculating air
- Residual engine heat utilization (REST)
- A/C compressor activation
- Front defroster
- Activated charcoal filter
- Rear window heater

Climate Control Air Delivery



“Auto” button pushed in = automatic mode

“Auto” button extended = manual control

- Red pointer and air direction fields illuminate
- Rotate “AUTO” knob to direct air delivery
- Can be independently set left and right side of cabin

