

Components used to control and regulate air conditioner (in passenger compartment)

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Notes:

- ☐ Servicing work on refrigerant circuit => Page [87-169](#).
- ☐ Perform the following work on completion of repair operations:
Interrogate fault memory => Page [01-101](#)
- ☐ Testing cooling capacity => Page [87-154](#).
- ☐ Electrical test on all components marked 1) => from Page [01-185](#) onwards.
- ☐ All components marked 2) are actuated in final control diagnosis
=> Page [01-70](#).
- ☐ The windscreen (defroster) vents can only be replaced after the dash panel has been removed (separate the dash panel from the dash panel cross member).

=> [General Body Repairs, Interior; Repair Group 70](#)

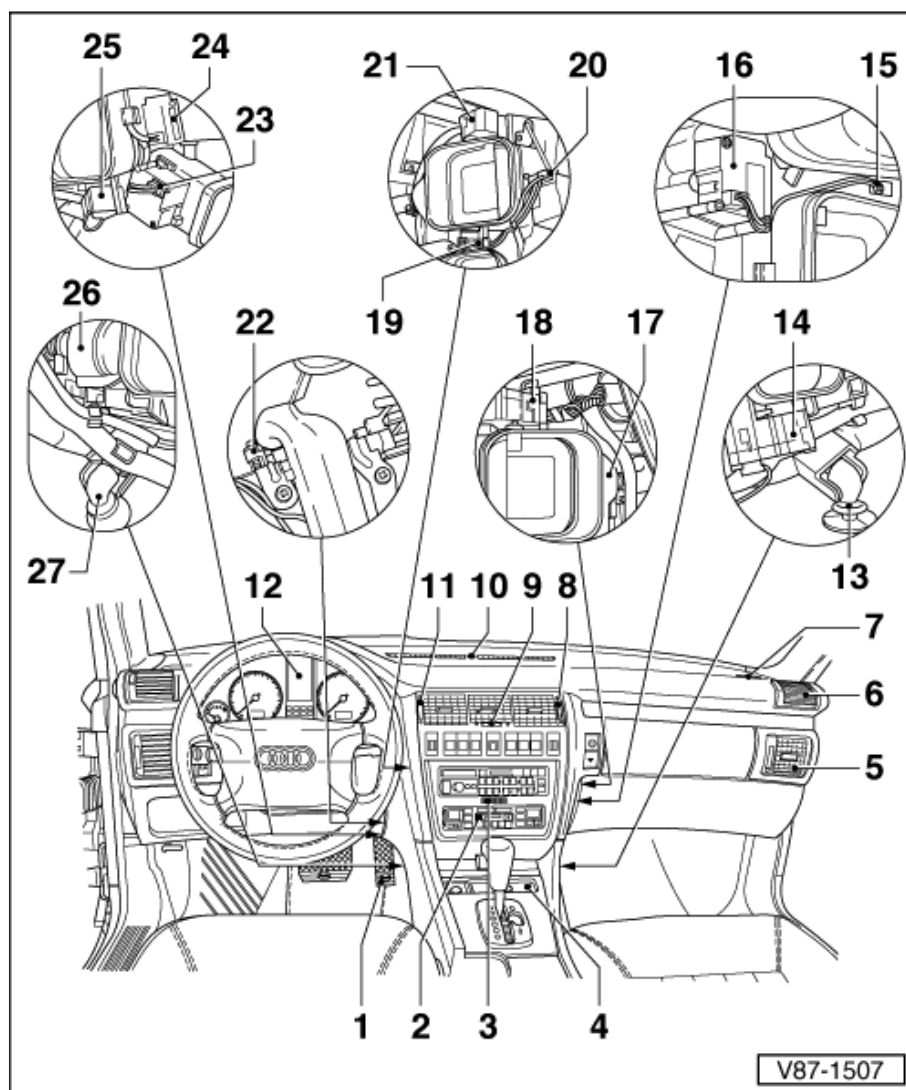
- Air conditioner kick-down switch -F46
 - ☐ Not installed in all vehicles
 - ☐ Kick-down deactivation without kick-down switch - F46 via engine control unit or automatic gearbox control unit
 - ☐ No longer fitted in vehicles with operating and display units -E87 with part numbers from index "M" onwards

=> Current Flow Diagrams, Electrical Fault-finding and Fitting Locations binder

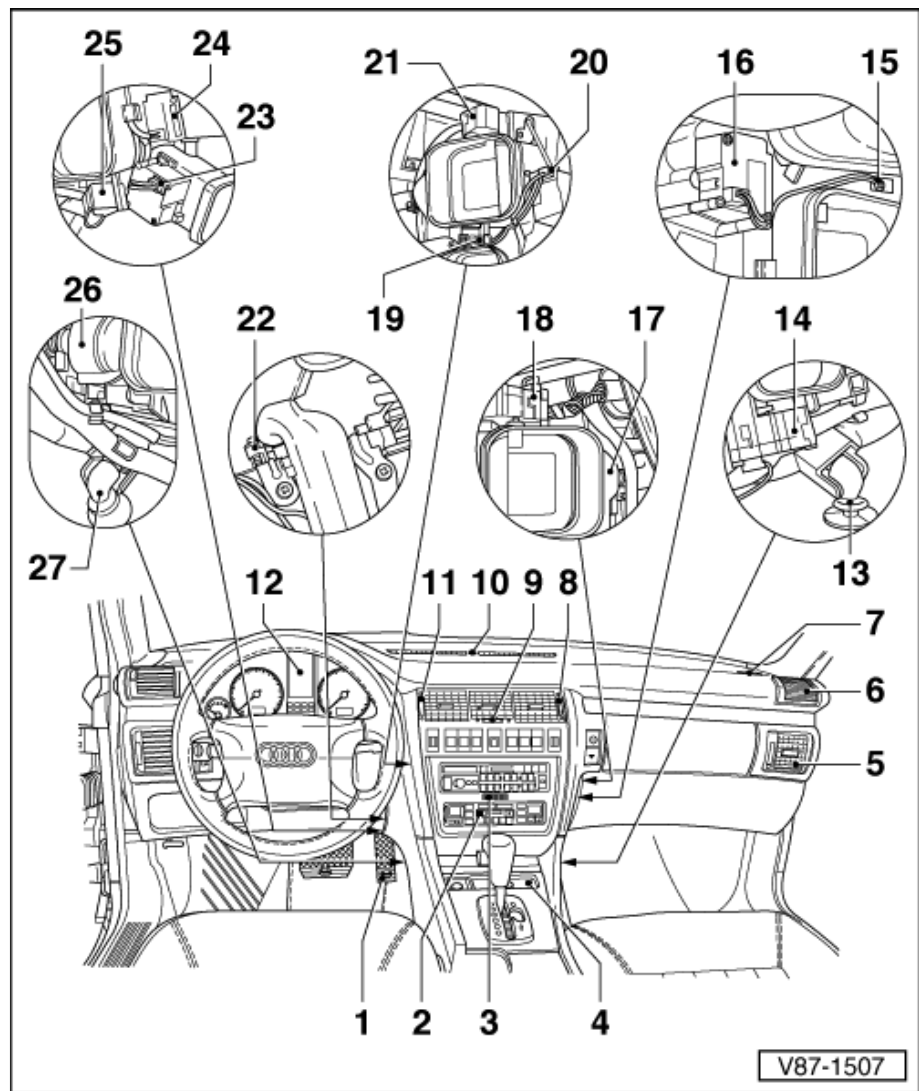
- Operating and display unit -E87
 - ☐ Assignment => Page [87-96](#)

=> Parts List

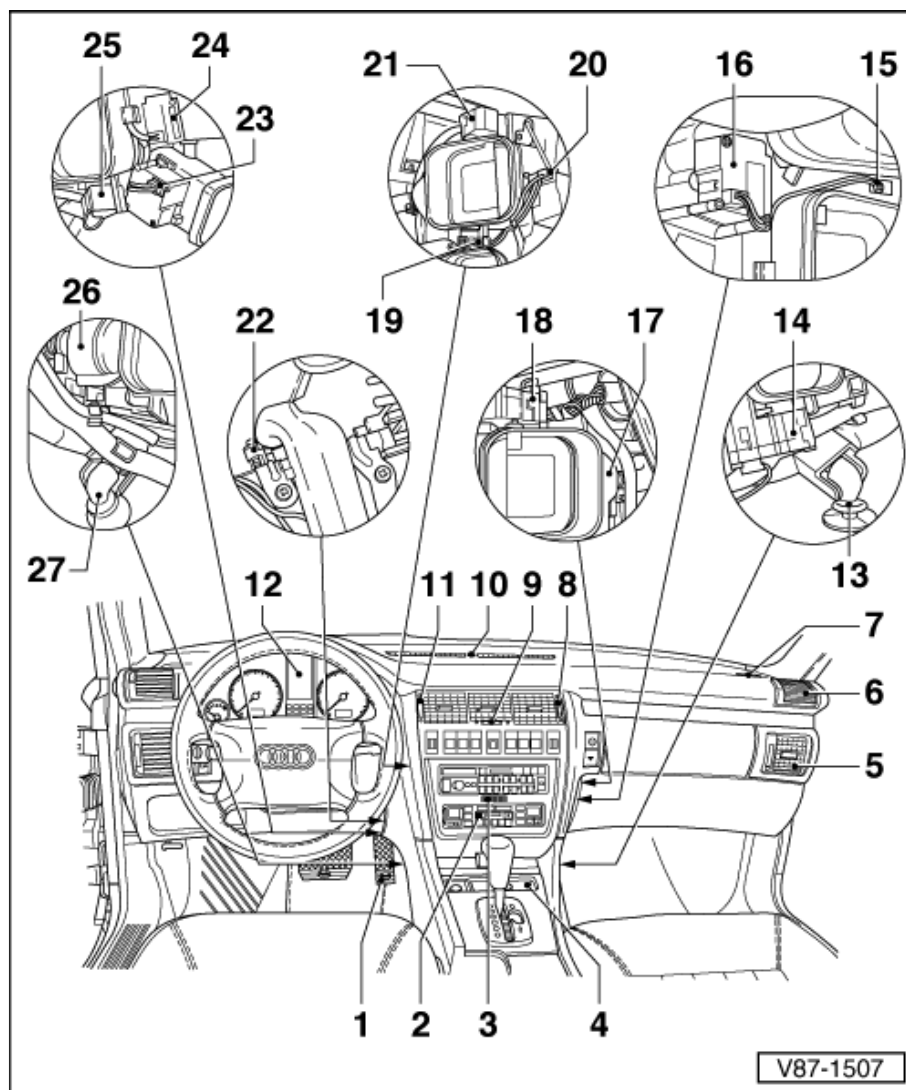
- ☐ Removing and installing=>Page [87-96](#)
- ☐ Checking code and encoding
=> Page [01-106](#)
- ☐ Replacing bulbs=> Page [87-105](#)



- Fresh air intake duct temperature sensor - G56 1)
 - ☐ Removing and installing
=> Page [87-128](#)
 - ☐ Fitted in -E87 in vehicles with operating and display units - E87 with part numbers from index "M" onwards
- Diagnostic connector
- Dash panel vent
 - ☐ Bottom left and right
 - ☐ Removing and installing
=> Page [87-108](#)
- Dash panel vent
 - ☐ Top left and right
 - ☐ Removing and installing
=> Page [87-107](#)
- Defroster vent
 - ☐ For left and right side window
 - ☐ Removing and installing
=> Page [87-107](#)



- Centre right vent switch -F184 1)
 - ☐ Removing and installing vent
=> Page [87-106](#)
- Potentiometer in centre dash panel vent -G142 1)
 - ☐ Removing and installing vent
=> Page [87-106](#)
- Sunlight penetration photosensor -G107 1)
 - ☐ Removing and installing
=> Page [87-128](#)
- Centre left vent switch -F184 1)
 - ☐ Removing and installing vent
=> Page [87-106](#)

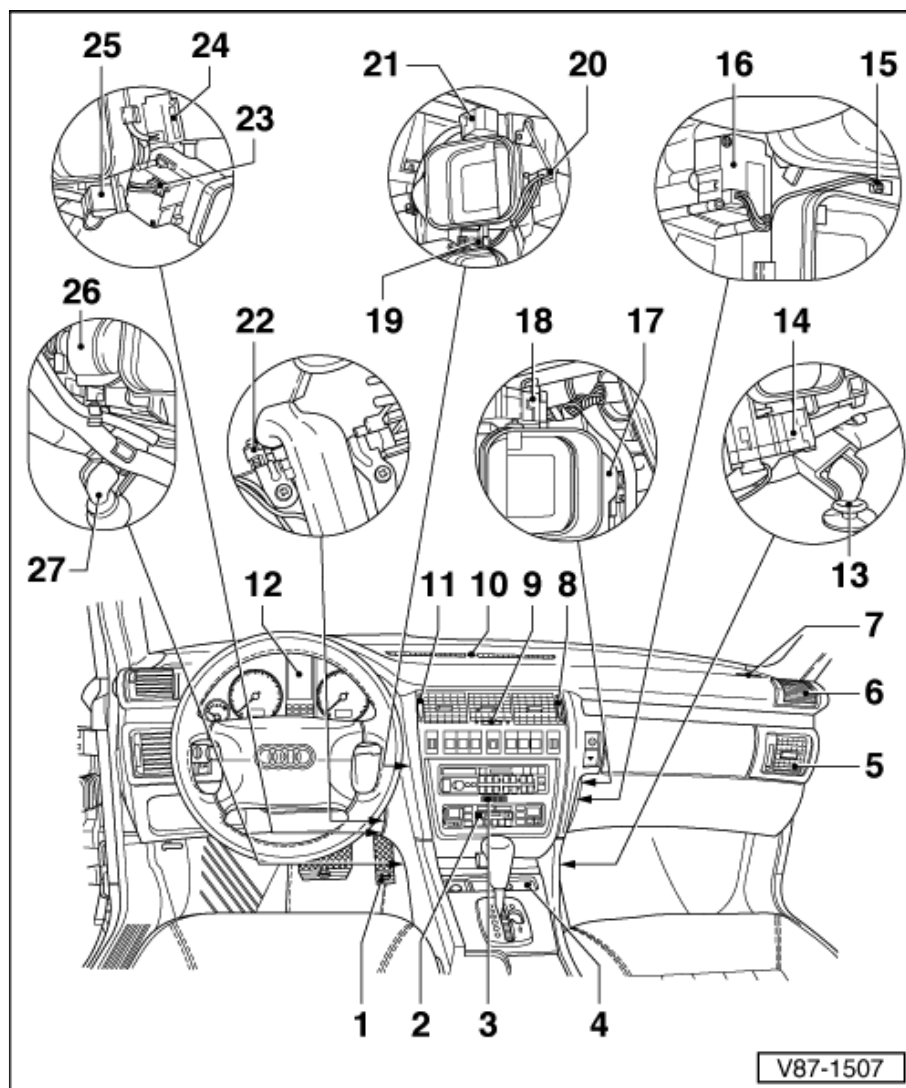


- Auto-check system
 - ☐ With ambient temperature indicator -G1062)
 - ☐ Ambient temperature delivered by operating and display unit -E87 is only indicated on vehicles with automatic gearbox when Drive is engaged
 - ☐ If temperature indicator is defective, check measured values from temperature sensors=>Page [01-189](#)
 - ☐ In vehicles with operating and display unit -

E87 with part number from index "M" onwards, displayed temperature is calculated directly in dash panel insert.

- Condensation drainage hose with valve
 - ☐ Front passenger's side
 - ☐ Checking, removing and installing

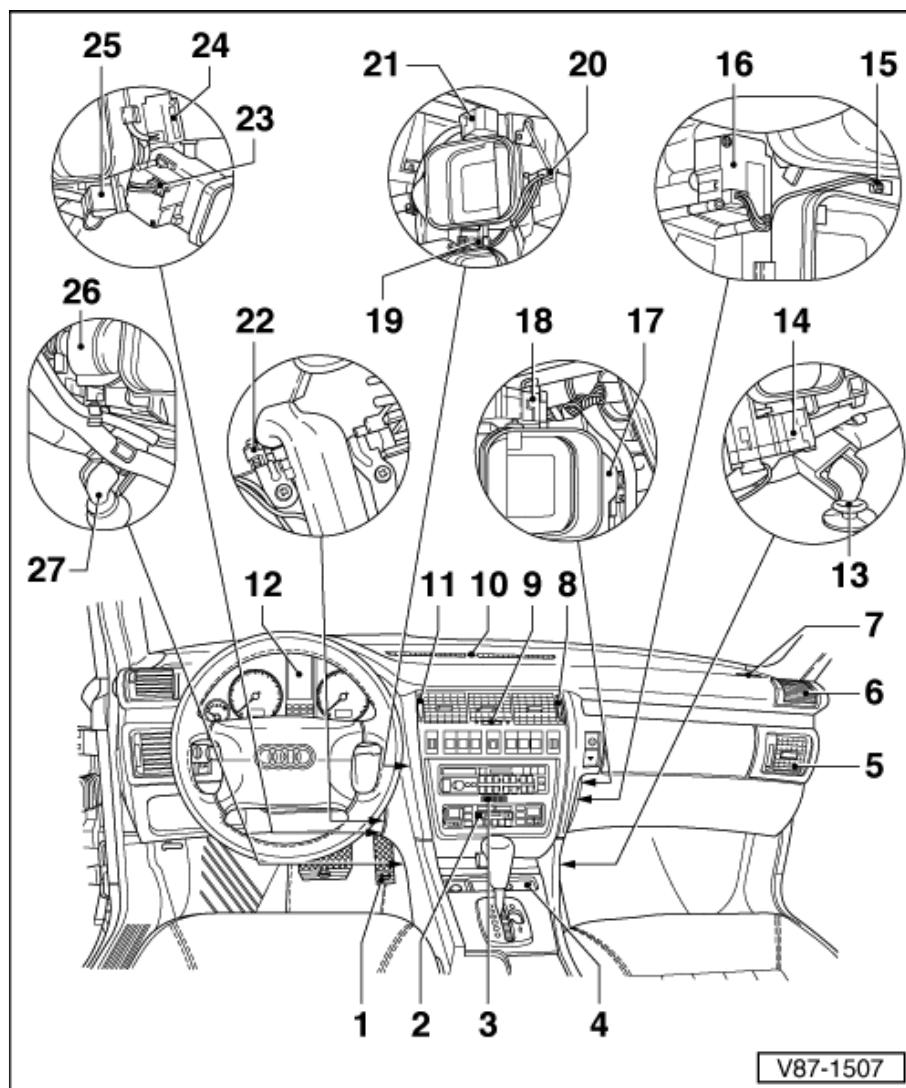
=> Page [87-109](#)



- Right footwell flap control motor
-V109 2)
 - ☐ With potentiometer - G140
 - ☐ Removing and installing
 => Page [87-125](#)
- Right vent temperature sender
-G151 1)
 - ☐ Testing => Page [01-186](#)
 - ☐ Removing and installing
 => Page [87-129](#)
- Temperature flap control motor
-V68 2)
 - ☐ With potentiometer - G92
 - ☐ Removing and installing

=> Page [87-125](#)

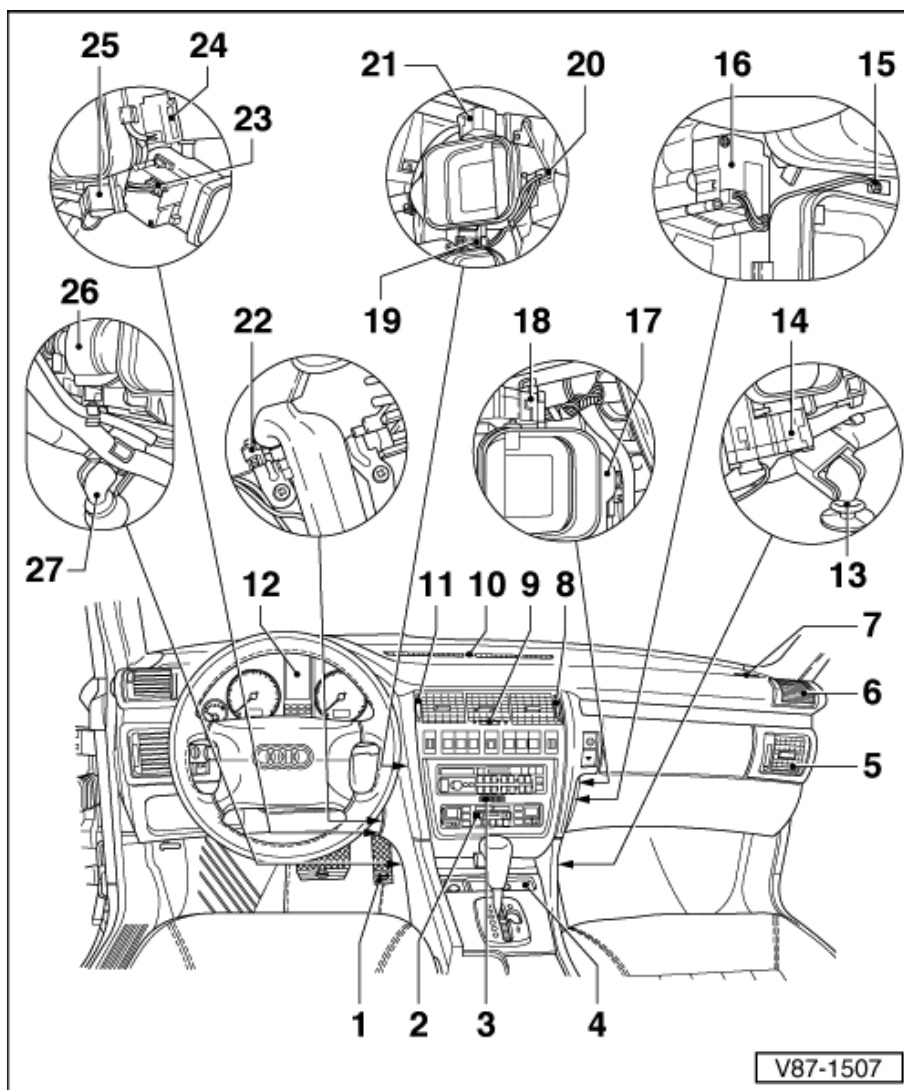
- Heat exchanger for heater
 - ☐ Right
 - ☐ Removing and installing
- => Page [87-133](#)



- Centre right vent control motor
-V111 2)
 - ☐ With potentiometer - G137
 - ☐ Removing and installing
- Left vent temperature sender
-G150 1)
 - ☐ Testing => Page [01-186](#)
 - ☐ Removing and installing
- Defrost flap control motor
-V107 2)
 - ☐ With potentiometer - G135
 - ☐ Removing and installing

=> Page [87-119](#)

- Centre left vent control motor -V110 2)
 - ☐ With potentiometer - G136
 - ☐ Removing and installing
- => Page [87-116](#)



- Temperature sensor blower -V42 2)
 - ☐ Removing and installing

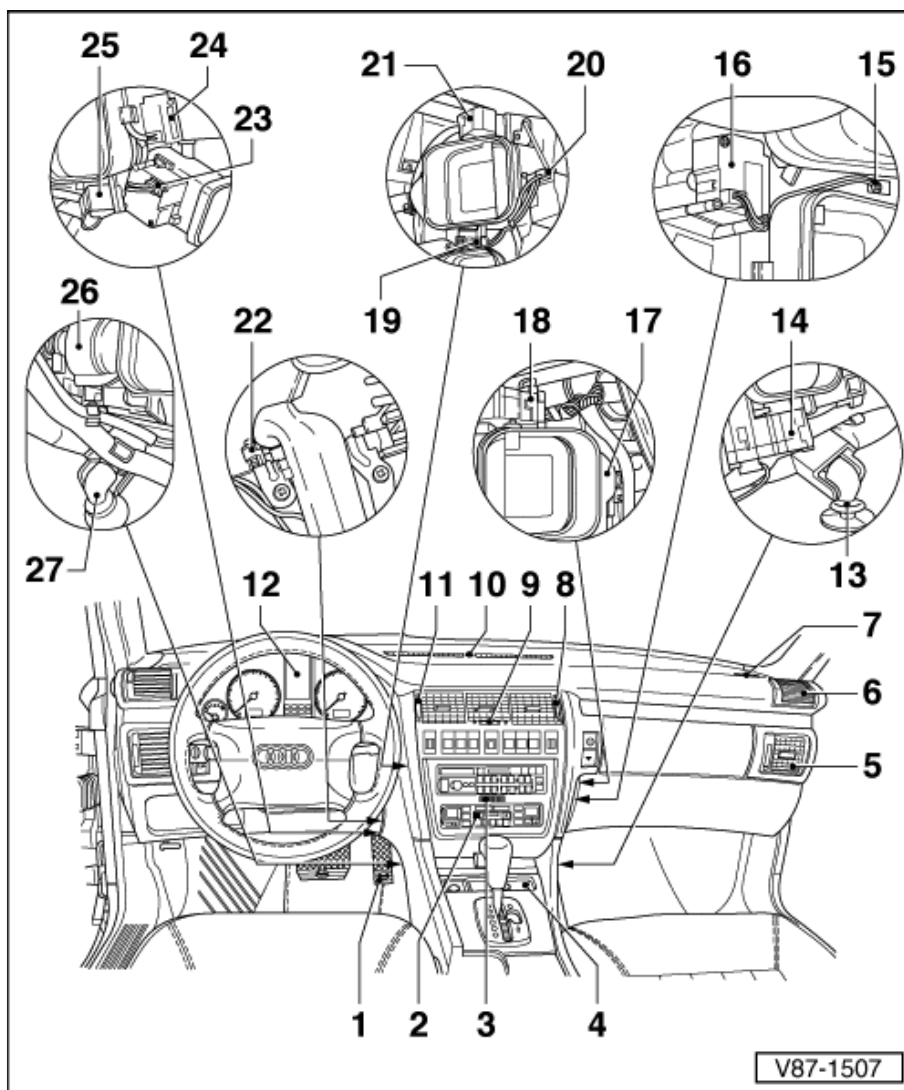
=> Page [87-130](#)

- ☐ Fitted in -E87 in vehicles with operating and display units - E87 with part numbers from index "M" onwards
- Rear footwell vent control motor -V112 2)
 - ☐ With potentiometer - G141
 - ☐ Removing and installing

=> Page [87-122](#)

- Centre vents control motor -V102 2)
 - ☐ With

- potentiometer - G138
 - □ Removing and installing
=> Page [87-117](#)
- Left footwell flap control motor -V108 2)
 - □ With potentiometer - G139
 - □ Removing and installing
=> Page [87-122](#)



- Heat exchanger for heater
 - □ Left
 - □ Removing and installing
=> Page [87-145](#)
- Condensation drainage hose with valve
 - □ Driver's side
 - □ Checking, removing and installing
=> Page [87-109](#)

