

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](#)

1. 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

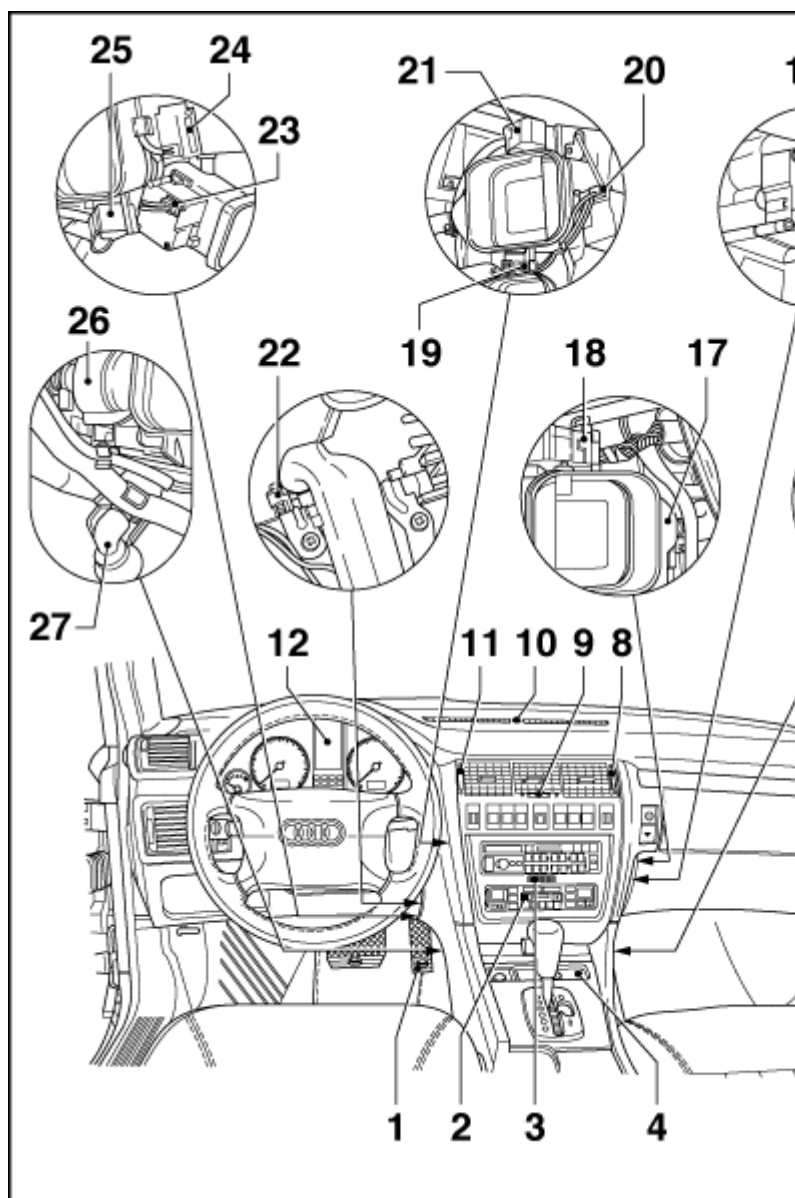
=> Current Flow Diagrams,
Electrical Fault-finding and Fitting
Locations binder

2. 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



3. 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

4. Diagnostic connector

5. Dash panel vent

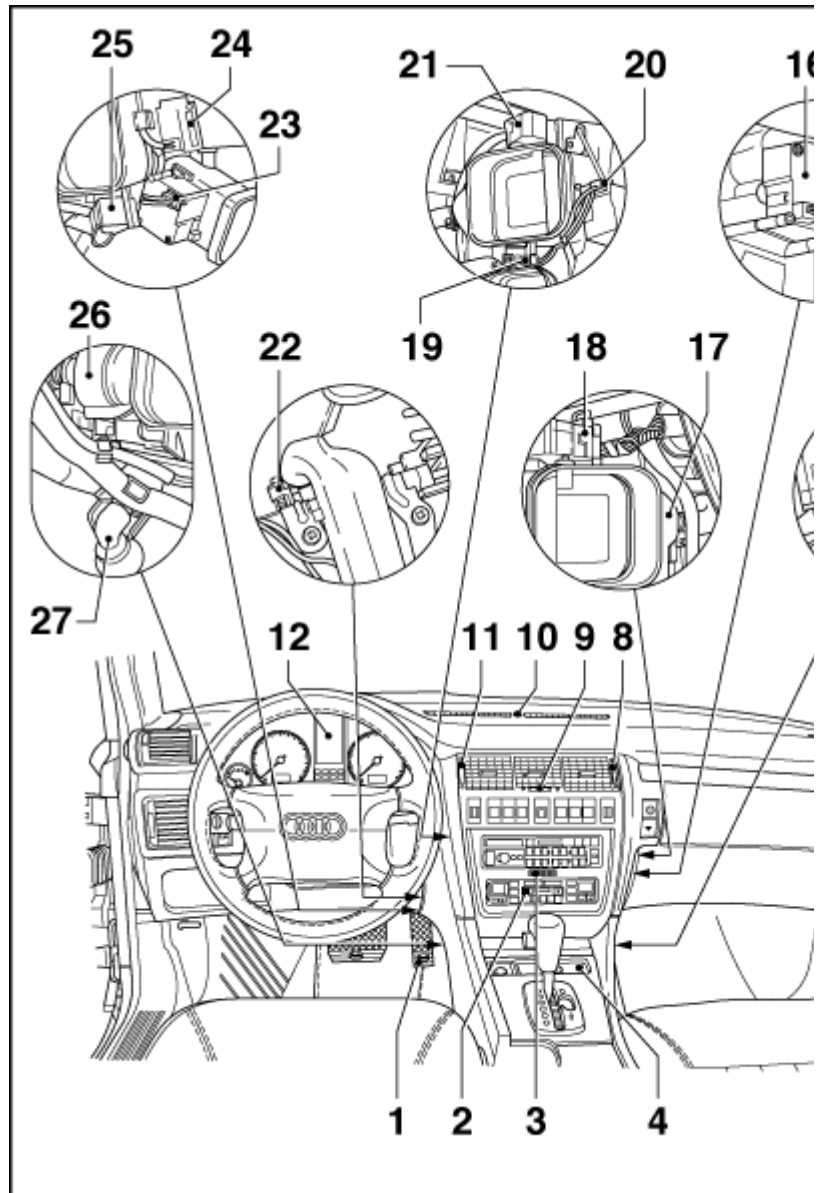
- ◆ Bottom left and right
- ◆ Removing and installing
=> Page [87-108](#)

6. Dash panel vent

- ◆ Top left and right
- ◆ Removing and installing
=> Page [87-107](#)

7. Defroster vent

- ◆ For left and right side window
- ◆ Removing and installing
=> Page [87-107](#)



8. Centre right vent switch -F184 1)

- ◆ Removing and installing vent
=> Page [87-106](#)

9. Potentiometer in centre dash panel vent -G142 1)

- ◆ Removing and installing vent
=> Page [87-106](#)

10. Sunlight penetration photosensor -G107 1)

- ◆ Removing and installing
=> Page [87-128](#)

11. Centre left vent switch -F184 1)

- ◆ Removing and installing vent
=> Page [87-106](#)

12. 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.

13. Condensation drainage hose with valve

- ◆ Front passenger's side
- ◆ Checking, removing and installing
=> Page [87-109](#)

**14. Right footwell flap
control motor
-V109 2)**

- ◆ With potentiometer - G140
- ◆ Removing and installing
=> Page [87-125](#)

**15. Right vent temperature
sender
-G151 1)**

- ◆ Testing => Page [01-186](#)
- ◆ Removing and installing
=> Page [87-129](#)

**16. Temperature flap
control motor
-V68 2)**

- ◆ With potentiometer - G92
- ◆ Removing and installing
=> Page [87-125](#)

**17. Heat exchanger for
heater**

- ◆ Right
- ◆ Removing and installing
=> Page [87-133](#)

18. Centre right vent control motor

-V111 2)

- ◆ With potentiometer - G137
- ◆ Removing and installing
=> Page [87-116](#)

19. Left vent temperature sender

-G150 1)

- ◆ Testing => Page [01-186](#)
- ◆ Removing and installing
=> Page [87-129](#)

20. Defrost flap control motor

-V107 2)

- ◆ With potentiometer - G135
- ◆ Removing and installing
=> Page [87-119](#)

21. Centre left vent control motor

-V110 2)

- ◆ With potentiometer - G136
- ◆ Removing and installing
=> Page [87-116](#)

**22. 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

**23. Rear footwell vent
control motor
-V112 2)**

- ◆ With
potentiometer -
G141
- ◆ Removing
and installing
=> Page [87-122](#)

**24. Centre vents control
motor -V102 2)**

- ◆ With
potentiometer -
G138
- ◆ Removing
and installing
=> Page [87-117](#)

**25. Left footwell flap
control motor
-V108 2)**

- ◆ With
potentiometer -
G139
- ◆ Removing
and installing
=> Page [87-122](#)

26. Heat exchanger for heater

- ◆ Left
- ◆ Removing and installing
=> Page [87-145](#)

27. Condensation drainage hose with valve

- ◆ Driver's side
- ◆ Checking, removing and installing
=> Page [87-109](#)