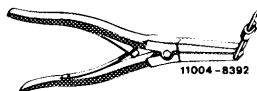


83–100 Removal and installation of heater box

Special tools

Clip pliers for heater cable control



108 589 01 37 00

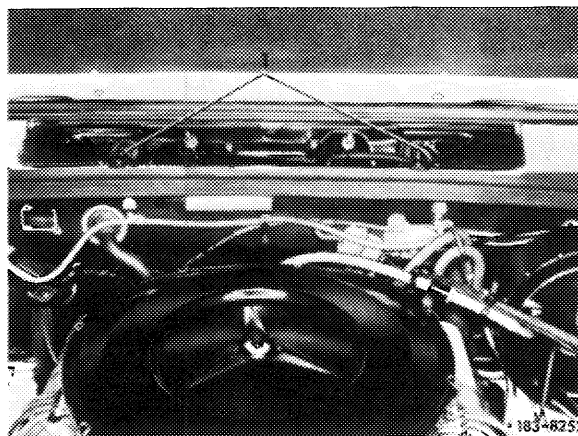
Saltus ratchet SW 13



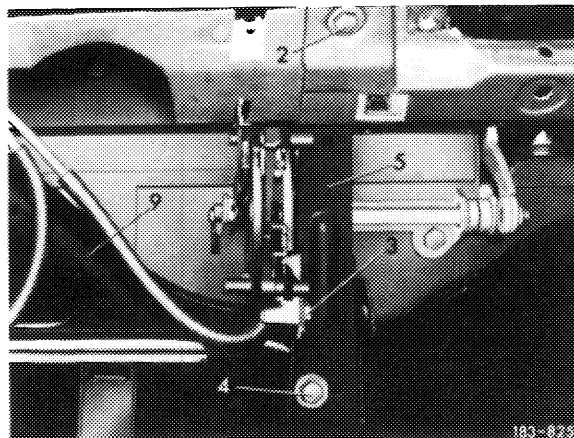
000 589 31 16 00

Removal

- 1 Remove floor mats in driver's legroom.
- 2 Remove center console (68–200).
- 3 Slide driver's seat completely back.
- 4 Remove blower (83–120).
- 5 Drain approx. 3 liters of coolant.
- 6 Disconnect heater hoses (1).



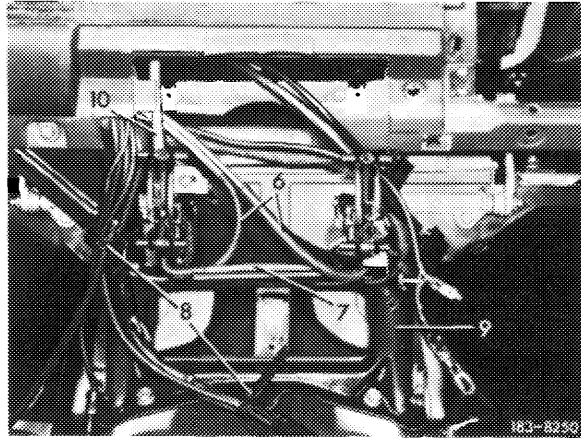
- 7 Remove cable clamp for cable control to blower on right-hand heater pipe.
- 8 Pull-off both plugs on blower switch and remove blower switch together with cable control.
- 9 Unscrew screw (2) on instrument panel and screw (3) on right-hand controls, as well as screw (4) on support (9) and remove support (5).



10 Pull hoses (6) from vacuum lines and separate connecting line (7).

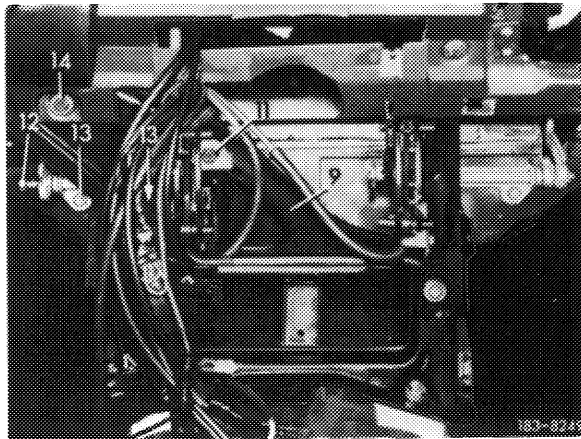
11 Loosen both cable clamps (8) from support (9).

12 Disconnect cable control (10) for defroster flap on operating lever and remove holding clamp.



13 Unscrew left-hand holding bracket (11) from support (9) and from controls.

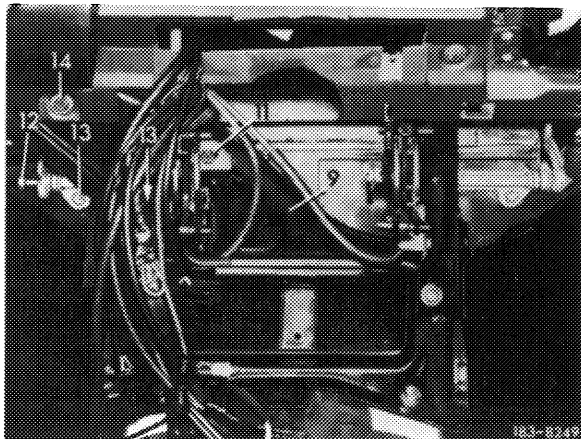
14 Unscrew nut (12) from actuating shaft left.



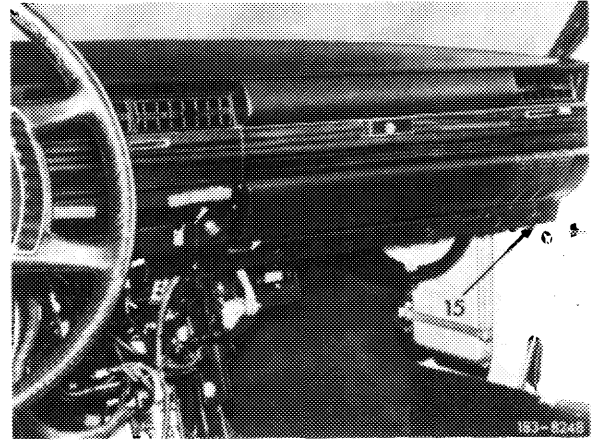
15 Set left-hand outer operating lever to upper position.

16 Unscrew both screws (13) for actuating shaft left on air duct center.

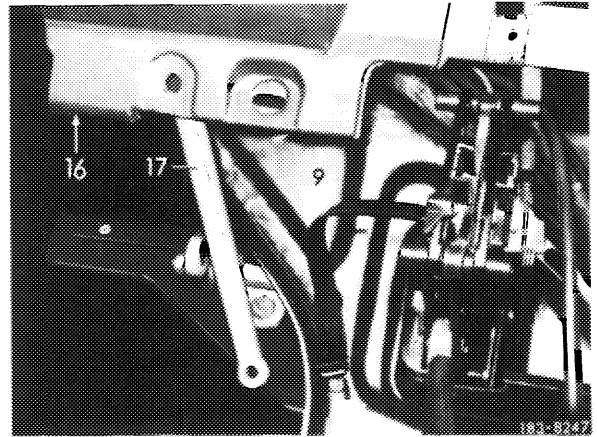
17 Unscrew screw (14) on instrument panel.



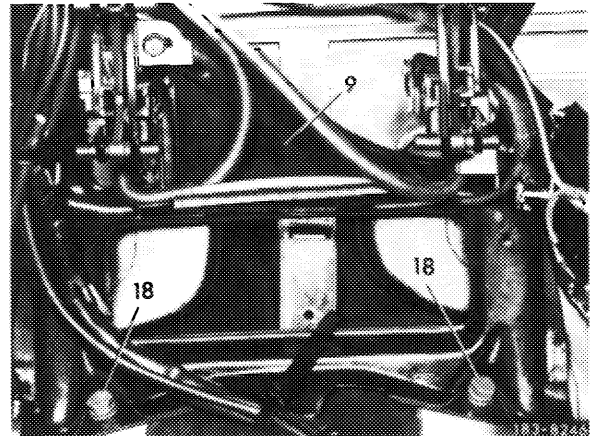
18 Unscrew screw (15) for instrument panel on right-hand front wall pillar.



19 Completely unscrew left-hand screw (16) on cross member left and release right-hand screw for a few threads by means of Saltus ratchet (17).



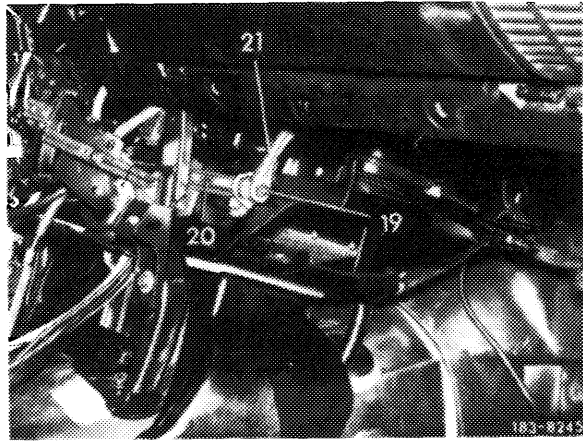
20 Unscrew the two lower screws (18) on transmission tunnel and remove support (9) together with left-hand controls.



21 Remove cover under instrument panel left (68-150).

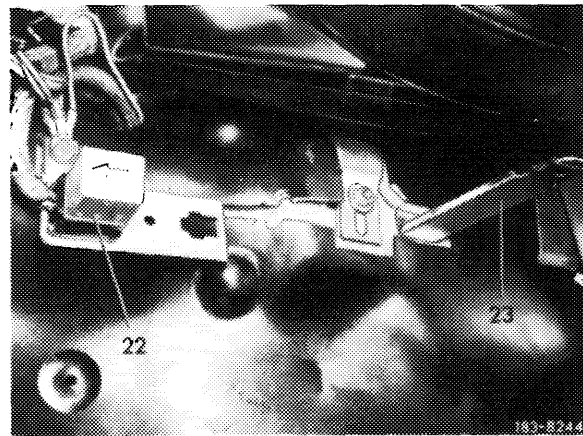
22 Pull connecting hose to lateral nozzle at the left from heater.

23 Unscrew nut (19) on actuating lever right (20) and remove connecting lever (21).

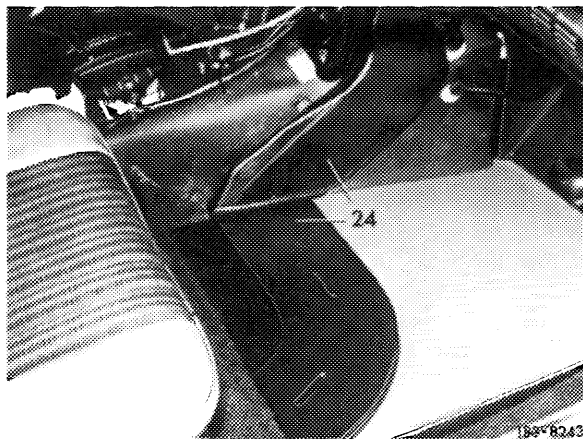


24 Pull out plug with relay (22) toward the left and disconnect grounding cable.

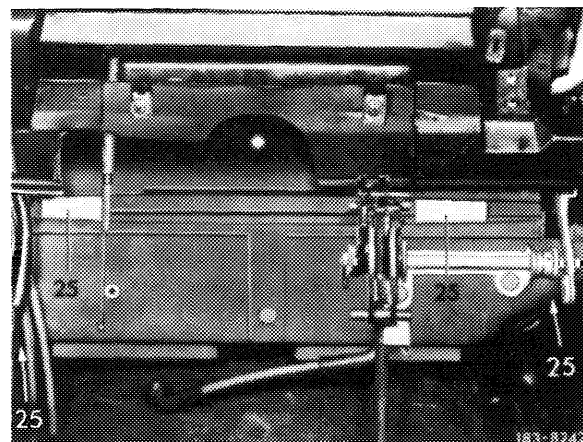
25 Remove holder (23) for right-hand air duct.



26 Unscrew screws on air ducts (24) left and right for rear compartment heater and remove air ducts (24) on transmission tunnel and on floor under driver's seat.

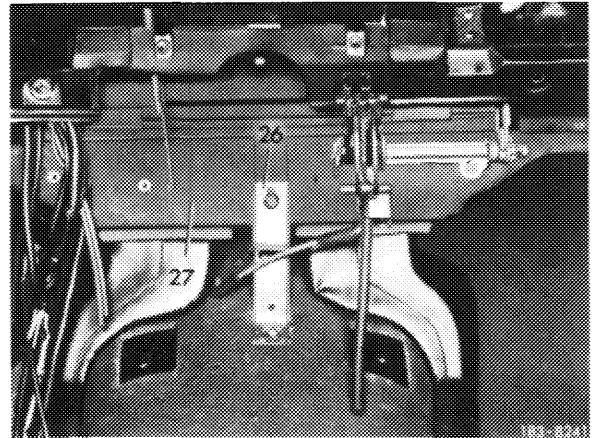


27 Pull out the four clips (25) at front and rear of heater box in lateral direction.



28 Remove holder (26) between transmission tunnel and air duct center (27).

29 Remove air duct center (27) in downward direction to the right.

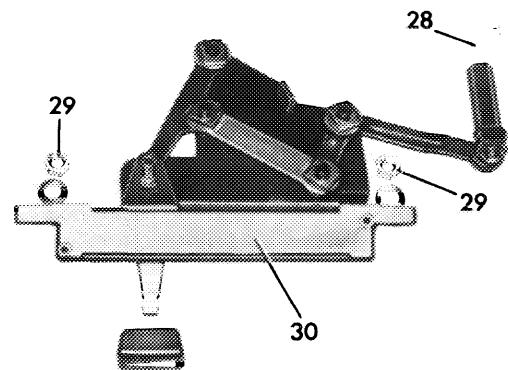


30 Remove shutter center for summer air together with frame (83–150).

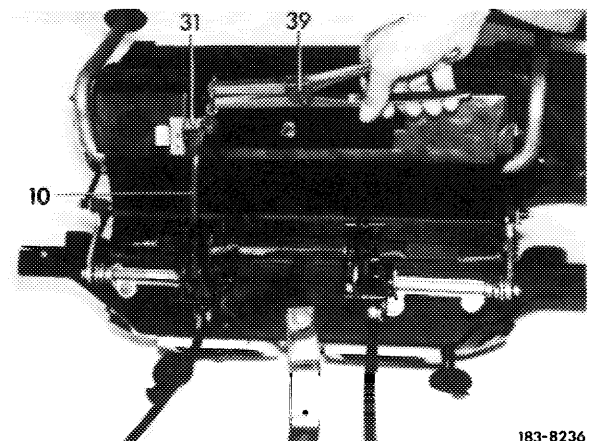
31 Force connecting lever (28) from summer air flap.

32 Pull-off handle on control lever for summer air.

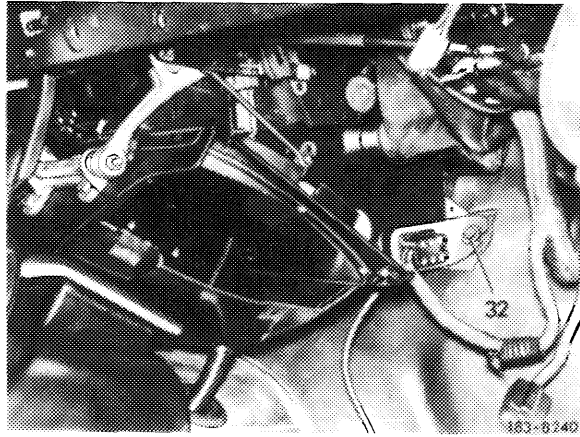
33 Unscrew both nuts (29) and remove control system for summer air (30).



34 Remove clip (31) from cable control (10) for defroster flaps and hang up cable control (10) to the left.



35 Unscrew both nuts (32) on heater box at bottom left and right.

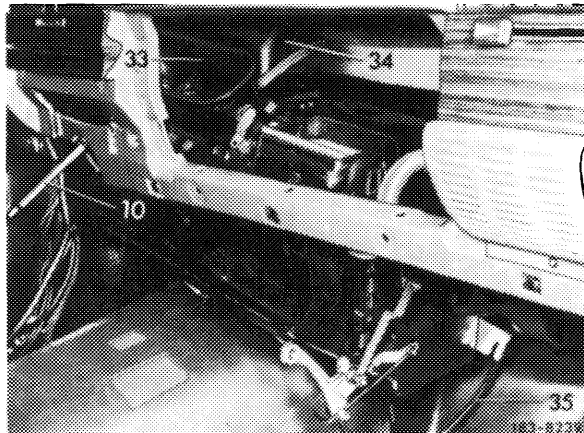


36 Pull heater box top to the rear so that heater box will disengage from defroster nozzles and the heater pipes from front wall.

37 Pull heater box at bottom and put down at transmission tunnel.

38 Pull back instrument panel at bottom edge and move heater box to the right. Make sure that the summer air duct (33) slides past the right-hand defroster nozzle (34) and the instrument panel, push defroster nozzle slightly forward, if required.

39 On vehicles with automatic transmission, make sure that cable (35) is not caught on heater box.



40 When removing heater box, hold heater pipes up so that no coolant can flow out.

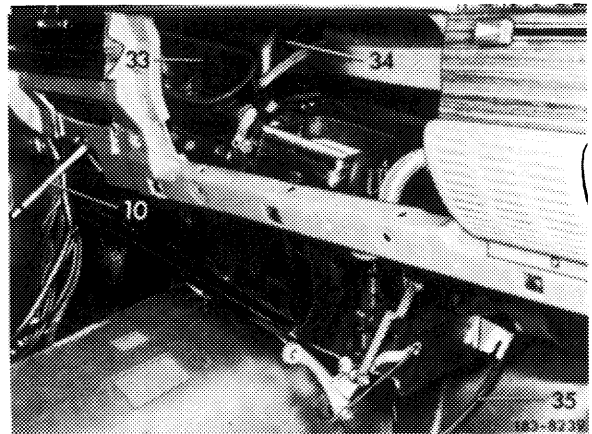
Installation

Note: During assembly jobs, do not place small parts on instrument panel, since they might fall through defroster nozzle into heater box.

41 Grease both rubber grommets in front wall with a soap solution or the like.

42 When introducing heater box, make sure that the cable control (10) is not buckling.

43 Slip heater box from direction of front passenger's seat behind instrument panel to the left toward transmission tunnel, making sure that the cable (35) (on automatic transmissions only) is not caught on heater box.



44 Place heater box on center of transmission tunnel.

45 Place heater box first at the right and then at the left on fastening (36) and position nuts (32).

