

Data

Permissible leaking of vacuum elements	20 mbar/min at 300 mbar vacuum
Plug-on length of connections	10–12 mm

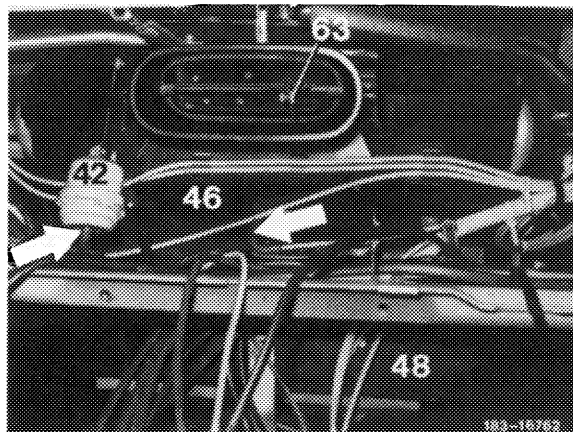
Special tool

Tester for vacuum systems	116 589 25 21 00
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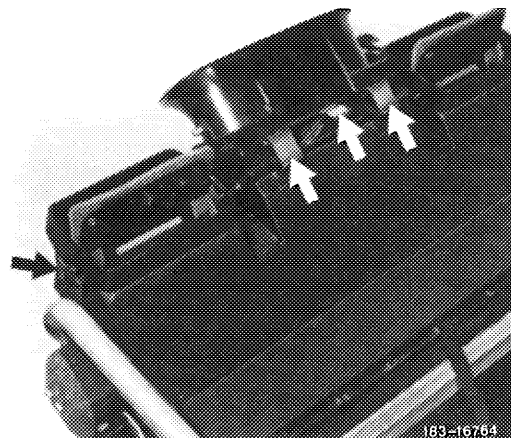
A. Vacuum element (40) for center jet

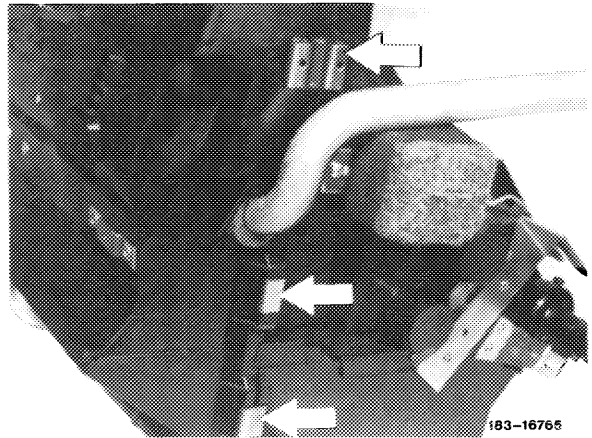
Removal

- 1 Push both front seats back and cover.
- 2 Remove instrument panel (68–100).
- 3 Remove housing between instrument panel and tunnel (68–200).
- 4 Remove center air duct (48).

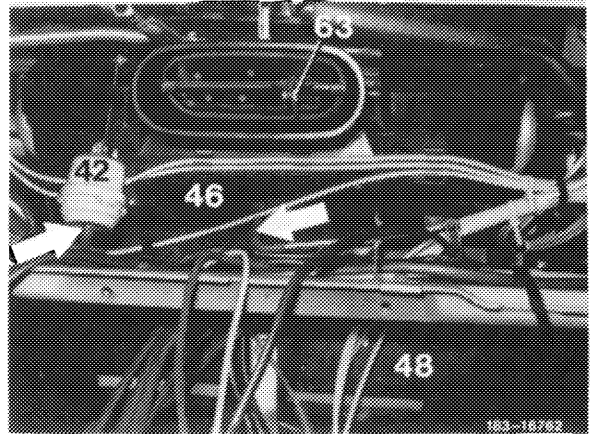


- 5 Remove tension springs (arrow) by means of pliers for locking rings on air conditioner cabinet top and scoop.

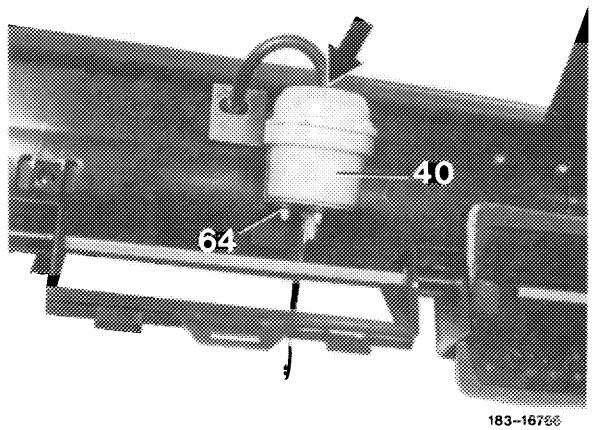




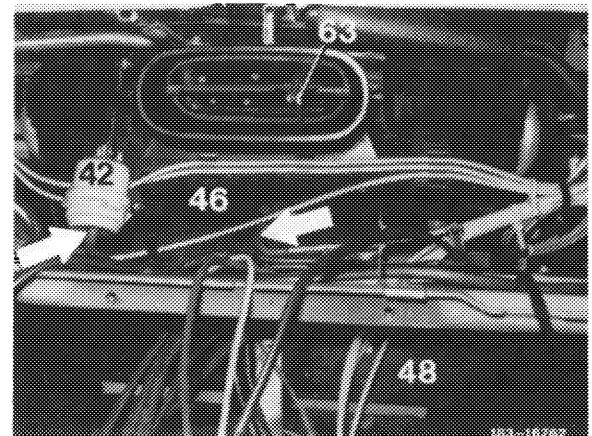
6 Pull off vacuum lines (arrow) on vacuum element (42), as well as connection to vacuum element (40) and remove top (46).

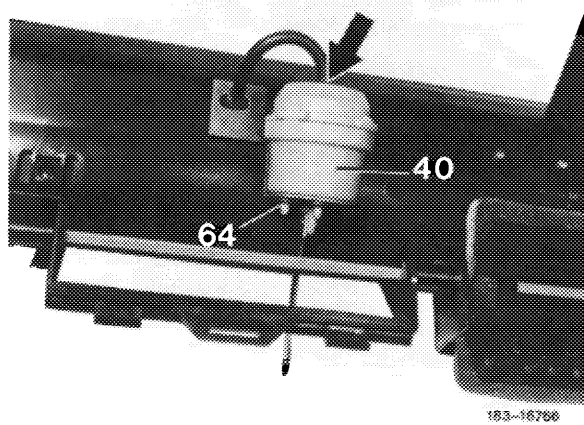


7 Pull off vacuum line (arrow) on vacuum element (40).



8 For removal of vacuum element (40) for center jet, remove clamp (63) and take off locks (64) by means of a screwdriver.



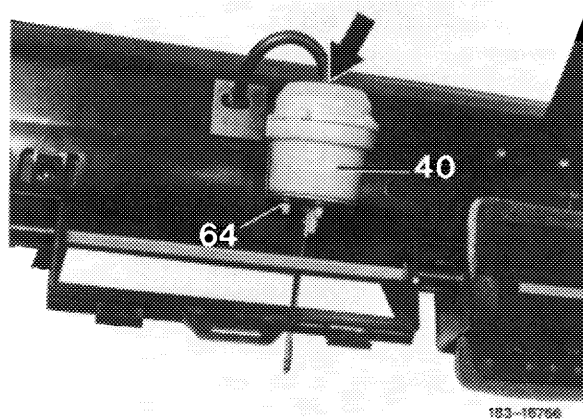


Installation

9 Attach vacuum element (40) to holder or air conditioner cabinet top together with locks (64) and rubber washers.

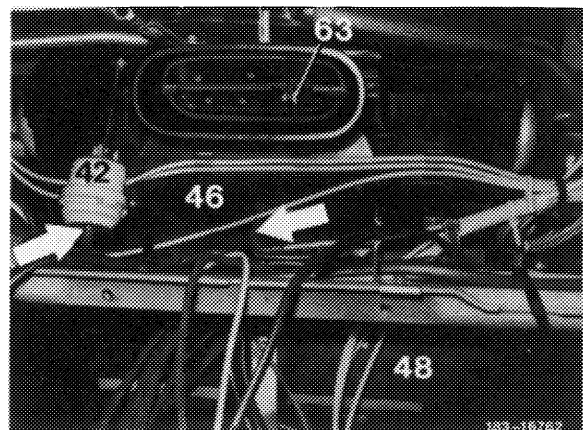
10 Plug vacuum lines (refer to arrow) to vacuum element (40).

11 Mount air conditioner cabinet top (46) and scoop and attach by means of clamps (arrow) to air conditioner cabinet.



12 Plug vacuum lines (arrow) on vacuum element (42), as well as connection to vacuum element (40).

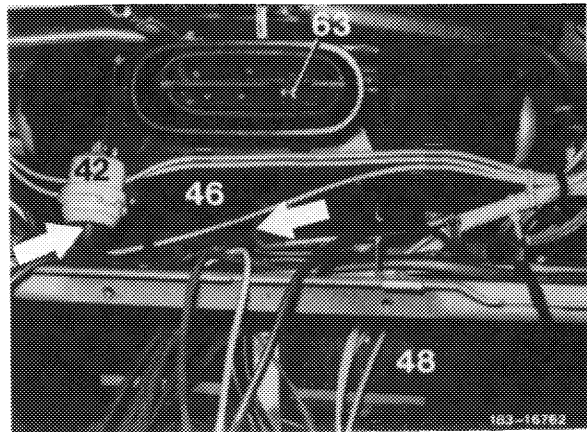
13 Install center air duct (48).



14 Mount connection rod with clamp (63) and check vacuum element (40) for operation and leaks.

15 Install instrument panel (68–100).

16 Install housing between instrument panel and tunnel (68–200).

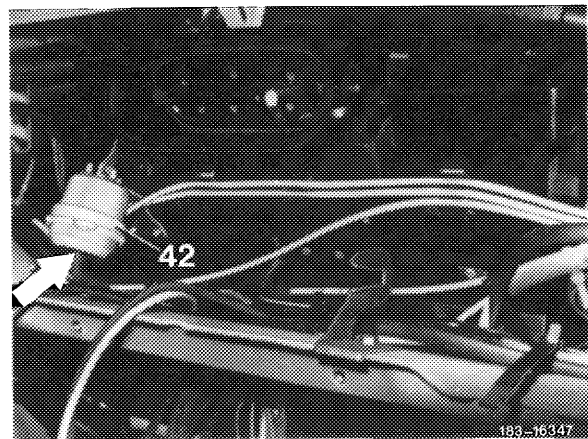


B. Vacuum element (42) for defroster jets

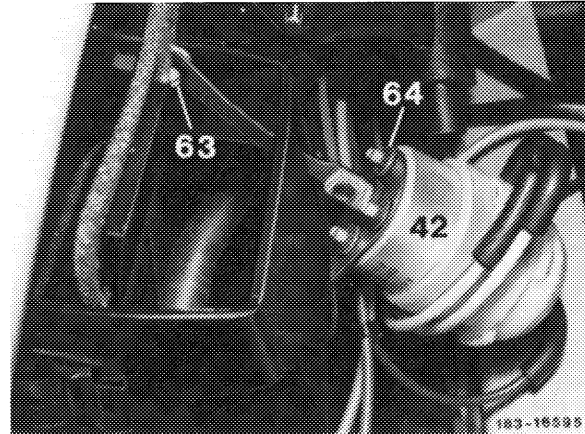
Removal

1 Remove instrument panel (68–100).

2 Pull vacuum line from vacuum element (42).



3 For removal of vacuum element (42) for defroster jet, remove clamp (63) and lift off lock (64) with a screwdriver.



Installation

4 Attach vacuum element (42) to holder or air conditioner cabinet with locks (64) and rubber washers

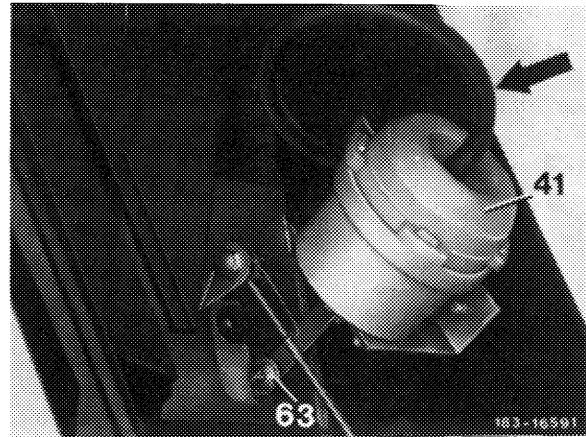
8 Plug-on vacuum line and mount connecting rod with clamp (63). Check vacuum element (42) for operation and leaks.

9 Install instrument panel (68 -100).

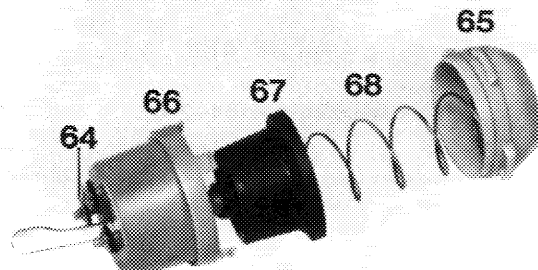
C. Vacuum element (41) for legroom flaps

Removal

- 1 Disconnect battery.
- 2 Remove radio.
- 3 Remove control unit (83–635).
- 4 Remove housing between instrument panel and tunnel (68–200).
- 5 Remove center air duct on air conditioner cabinet.
- 6 Pull off vacuum line (arrow) on vacuum element (41).
- 7 Remove clamp (63) from connecting rod.



- 8 Carefully remove housing top (65) from housing bottom (66), remove spring (68) and sleeve (67).
- 9 If housing top (65) or sleeve (67) are damaged, remove these parts from new vacuum element and install.
- 10 On damaged housing bottom (66) remove locks (64).



Vacuum element

- | | |
|---------------------------|-------------------|
| 64 Lock and rubber washer | 66 Housing bottom |
| 65 Housing top | 67 Sleeve |
| | 68 Spring |

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Installation

- 11 When installing a new vacuum element, always use new locks (64) with rubber washers.

12 Plug-on vacuum line, mount connecting rod with clamp (63) and check vacuum element (41) for operation and leaks.

13 Install center air duct on air conditioner cabinet.

14 Install housing (cabinet) between instrument panel and tunnel (68-200).

15 Install control unit (83-635).

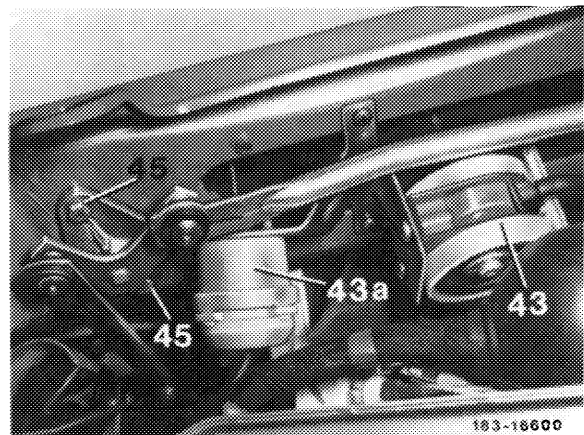
16 Install radio.

17 Connect battery.

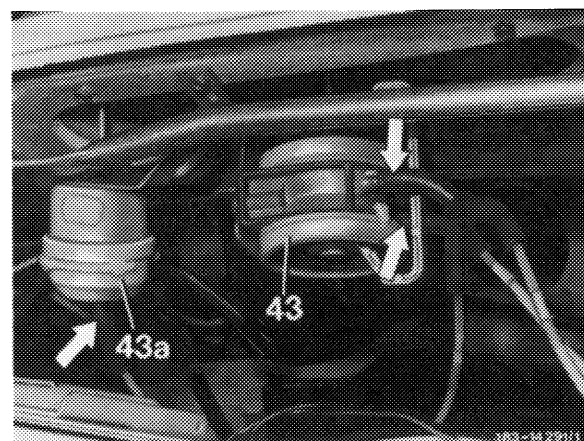
D. Vacuum element (43 and 43 a) for main air flap left

Removal

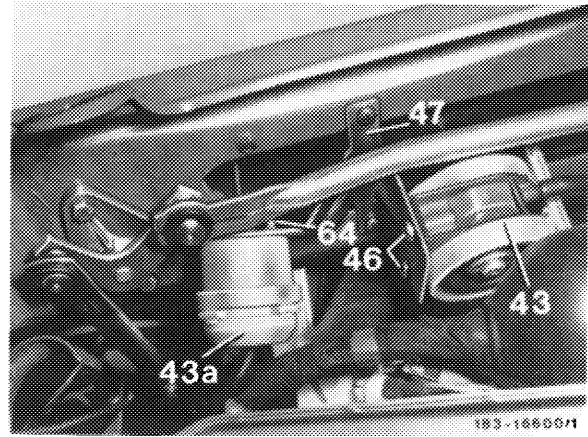
- 1 Remove steering wheel (46-610).
- 2 Remove instrument cluster (54-250).
- 3 Unscrew screws (45) from windshield wiper linkage.



- 4 Pull vacuum lines (arrow) from vacuum elements and remove clamp from connecting rod on main air flap.



5 For removing double-acting vacuum element (43) for main air flap left, unscrew screws (46) with a screwdriver.

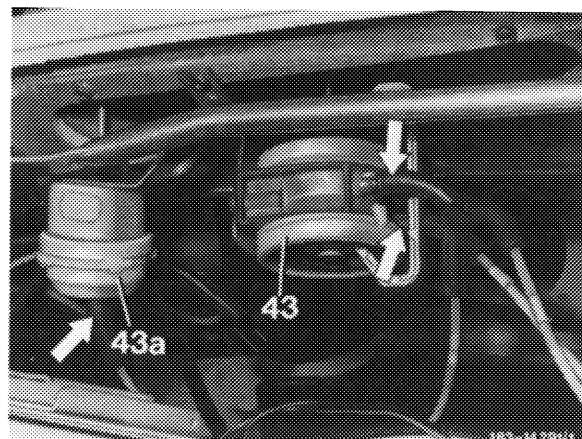


6 When removing single-acting vacuum element (43 a) for main air flap left, lift off locks (64) with a screwdriver.

Installation

7 Screw vacuum element (43) to holder (47) with screws (46) or attach vacuum element (43 a) with locks (64) and rubber washers, respectively.

8 Plug vacuum lines (arrow) to vacuum elements (43 and 43 a) and mount connecting rod with fastening clamp to main air flap.

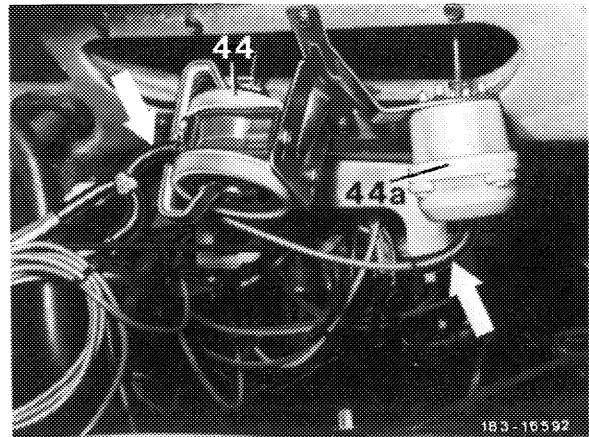


- 9 Check vacuum elements (43 and 43 a) for operation and leaks.
- 10 Mount windshield wiper linkage.
- 11 Install instrument cluster (54–250).
- 12 Install steering wheel (46–610).

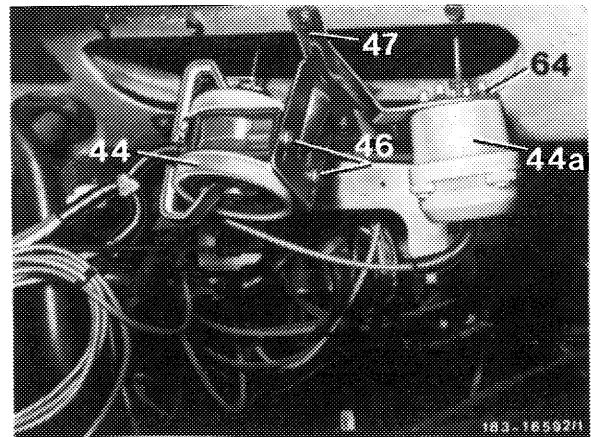
E. Vacuum element (44 and 44 a) for main air flap right

Removal

- 1 Remove glove box (68–140).
- 2 Pull off vacuum lines (arrow) and remove clamp from connecting rod on main air flap.



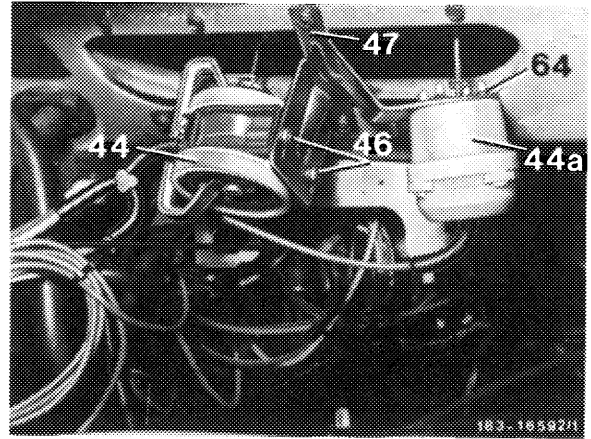
- 3 For removal of double-acting vacuum element (44) for main air flap, unscrew screws (46) at the right by means of a screwdriver.



- 4 When removing single-acting vacuum element (44 a) for main air flap right, lift off locks (64) with a screwdriver.

Installation

5 Screw vacuum element (44) to holder (47) with screws (46), and attach vacuum element (44 a) together with locks (64) and rubber washers.



6 Plug vacuum lines (arrow) to vacuum elements (43 and 43 a) and mount connecting rod with fastening clamp to main air flap.

7 Check vacuum elements (44 and 44 a) for operation and leaks.

8 Install glove box (68–140).