

## 83–665 Removal and installation of vacuum elements

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### Data

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

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### Special tool

Tester for vacuum systems	116 589 25 21 00
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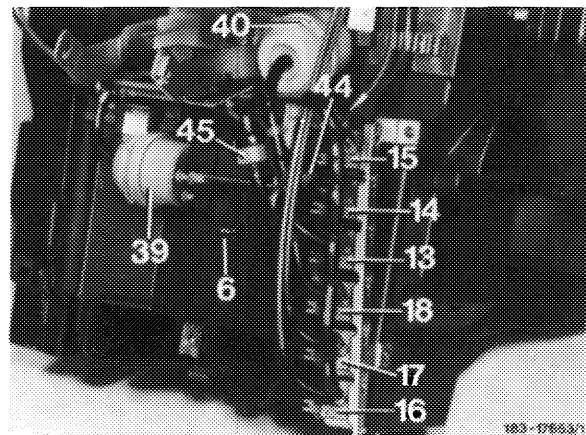
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### A. Vacuum element for center nozzle

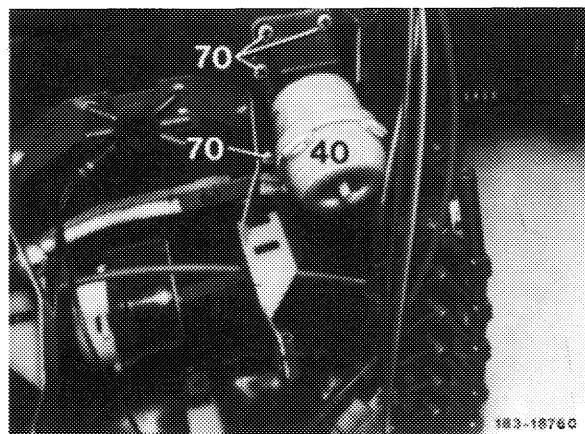
#### Removal

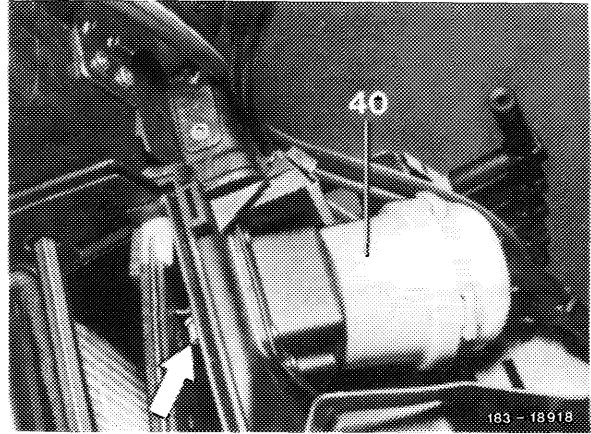
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- 1 Remove glove box (68–140).
- 2 Remove control unit (83–635).
- 3 Remove shutter center and loosen air connection hose to necessary extent (83–150).
- 4 Pull vacuum line from vacuum element (40).



- 5 Unscrew screws (70) and disconnect connecting rod (refer to arrow).
- 6 Remove locks on console by means of a screwdriver and remove vacuum element (40).



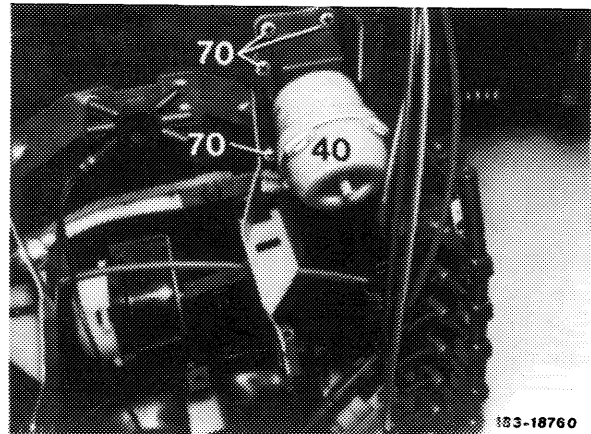


## Installation

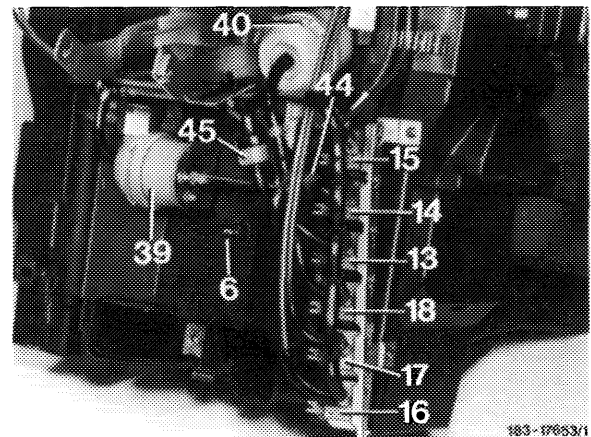
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7 Attach vacuum element (40) with new locks to console and then attach connecting rod (refer to arrow).

8 Screw console with vacuum element (40) to air conditioner housing by means of screws (70).



9 Plug vacuum line to vacuum element (40).



10 Plug-on air hose and mount shutter center (83-150).

11 Install control unit (83-635).

12 Install glove box (68-140).

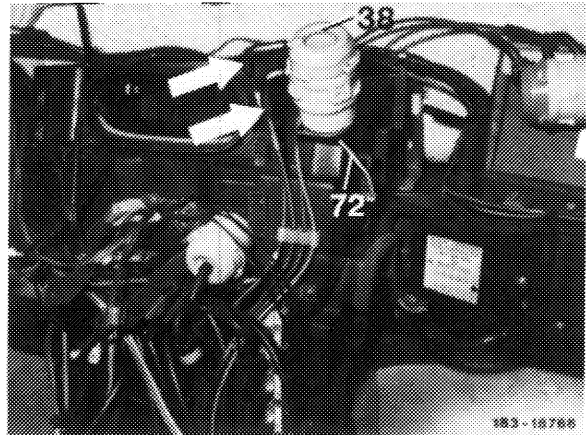
## B. Vacuum element for defroster nozzle flaps

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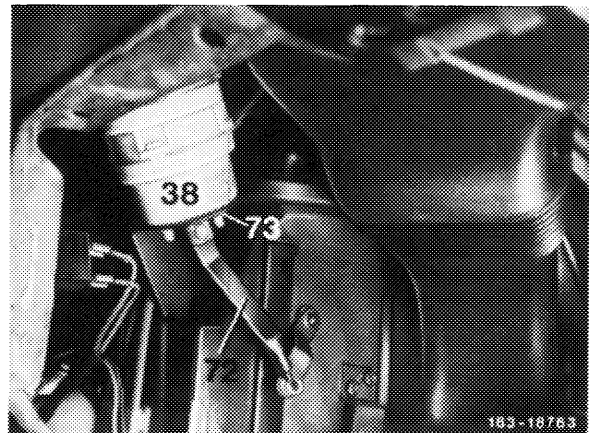
### Removal

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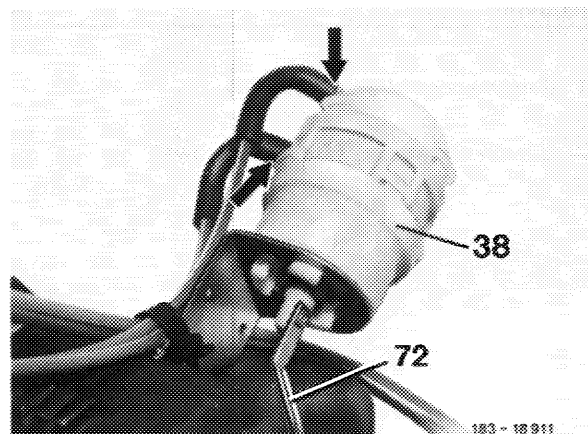
- 1 Remove glove box (68–140).
- 2 Disconnect actuating rod (72) from vacuum element (38) and pull off vacuum hose (refer to arrow).



- 3 To remove vacuum element (38) for defroster nozzle 1st version, lift off locks (73) by means of a screwdriver. On 2nd version, remove vacuum element (38) from bayonet lock by a turning motion.



Vacuum element for defroster nozzle  
(1st version)

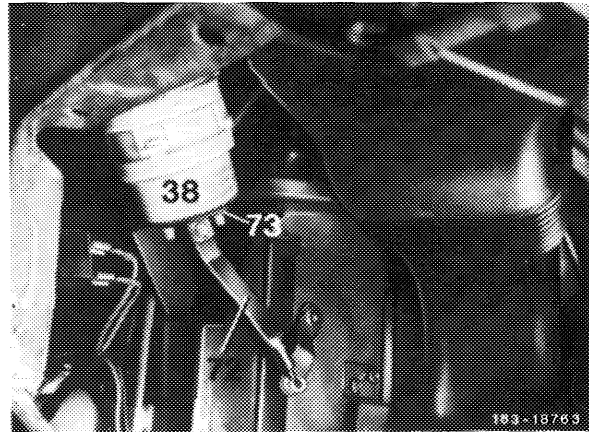


Vacuum element for defroster nozzle  
(2nd version)

## Installation

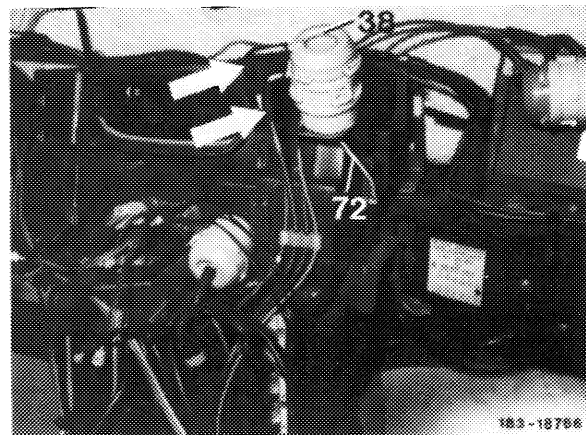
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4 Attach vacuum element (38) to air conditioner housing together with locks (73) and rubber washers or by means of bayonet lock.



5 Plug-on vacuum lines (refer to arrow) and attach actuating rod (72) (83-604).

6 Install glove box (68-140).



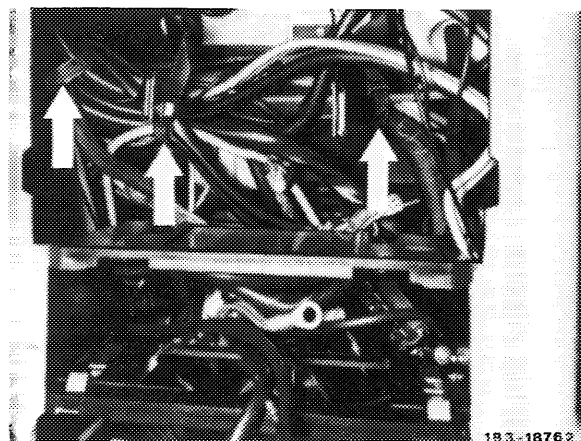
## C. Vacuum element for leg room flaps

### Removal

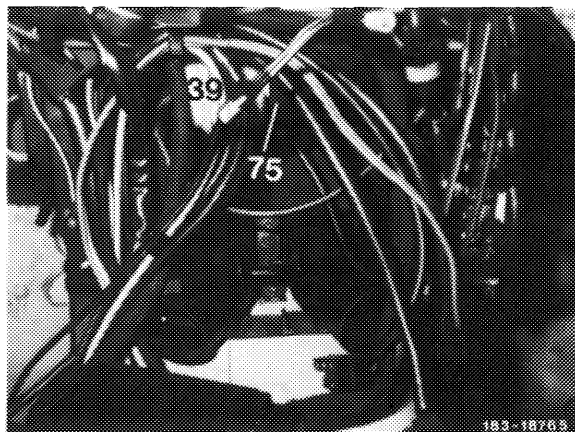
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1 Remove control unit (83-635).

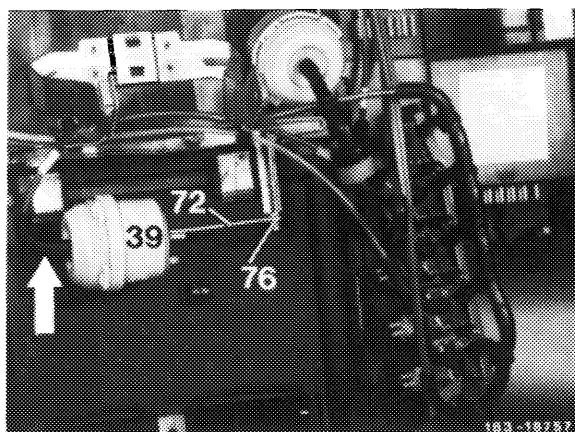
2 Loosen cable clamps (refer to arrow).



3 Pull off cover (75) above regulating linkage of leg room flaps.

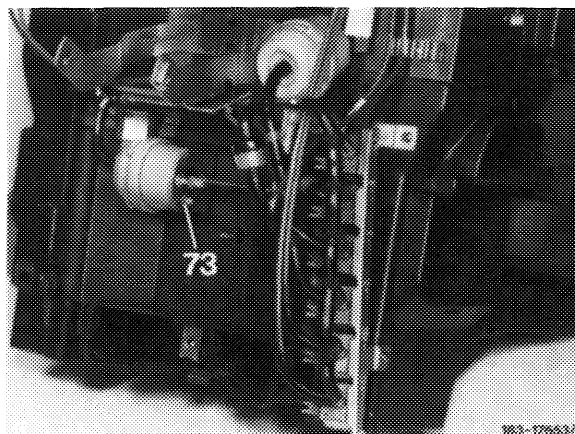


4 Pull off vacuum line (refer to arrow) and remove clamp (76) from actuating rod (72) by means of a screwdriver.

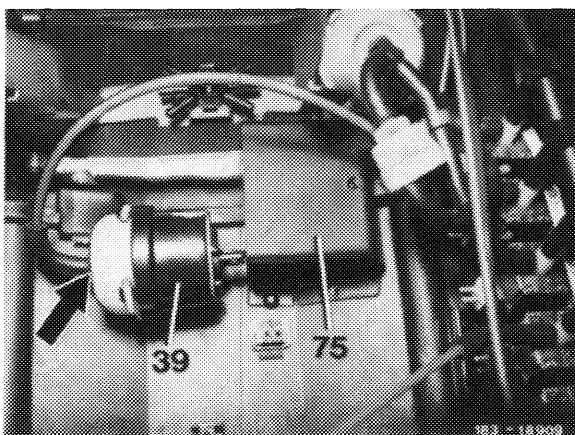


5 To remove vacuum element (39) for leg room flaps 1st version, lift off locks (73) by means of a screwdriver. On 2nd version, remove vacuum element (39) from bayonet lock by a turning motion.

Vacuum element for leg room flaps (1st version)

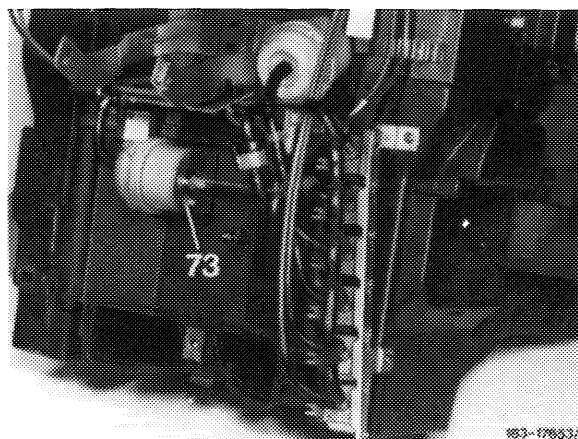


Vacuum element for leg room flaps (2nd version)

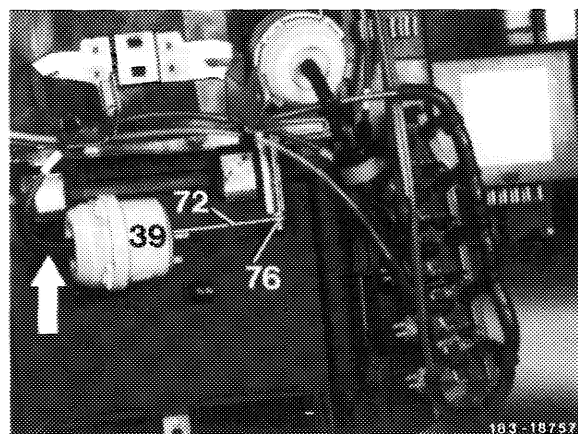


## Installation

6 Attach vacuum element (39) to air conditioner housing together with locks (73) and rubber washers or attach by means of bayonet lock.

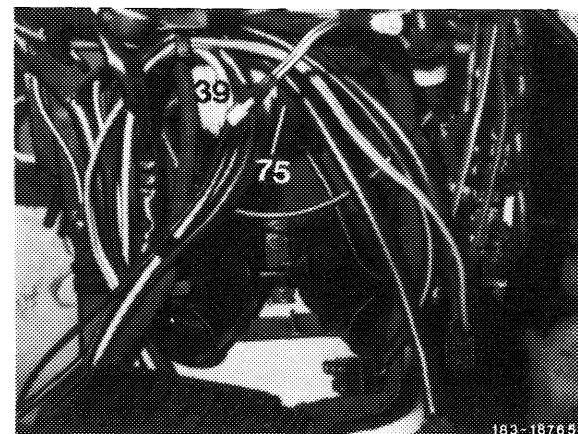


7 Plug-on vacuum line (refer to arrow) and mount actuating rod (72) by means of clamp (76).



8 Mount cover (75) and cable clamps (refer to arrow).

9 Install control unit (83-635).

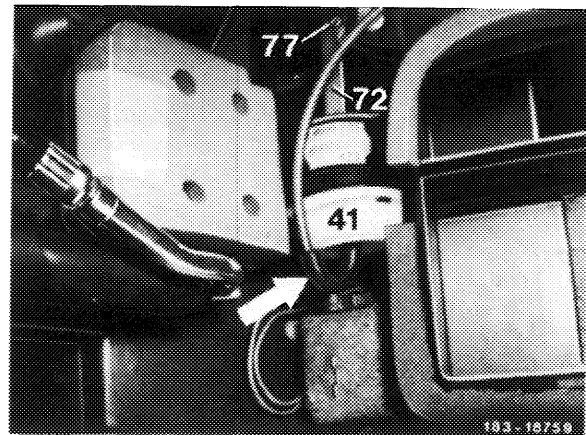
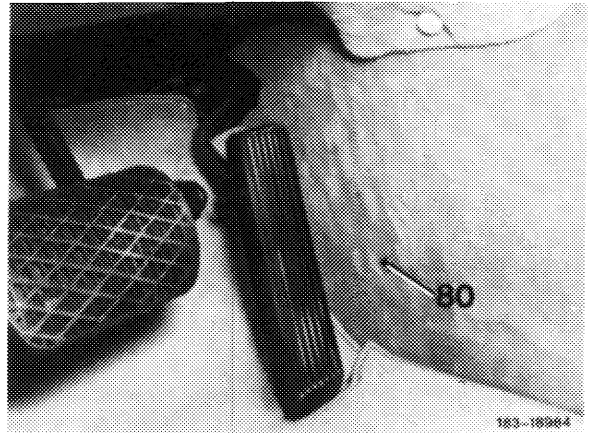


## D. Vacuum element for scoop air flap

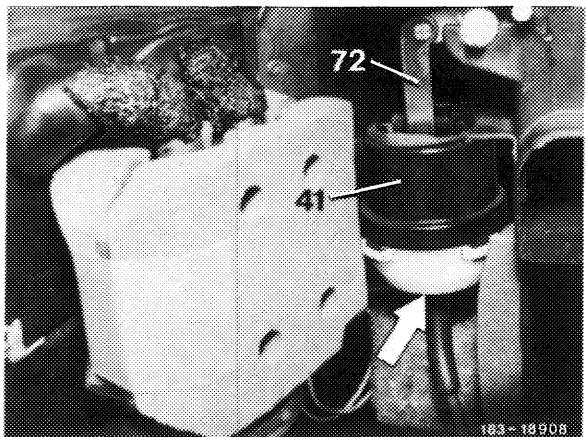
### Removal

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- 1 Remove cover at left under instrument panel (68–150).
- 2 Loosen screw (80) on lefthand lateral lining of center console.
- 3 Pull off vacuum line (refer to arrow) and unscrew screw (77) (1st version) or disconnect actuating rod (72) (2nd version).

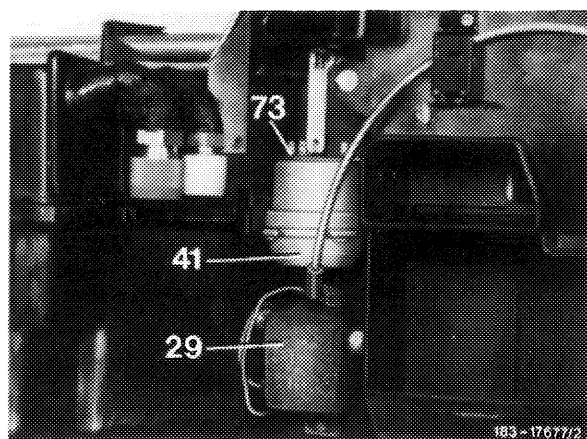


Vacuum element for scoop air flap  
(1st version)



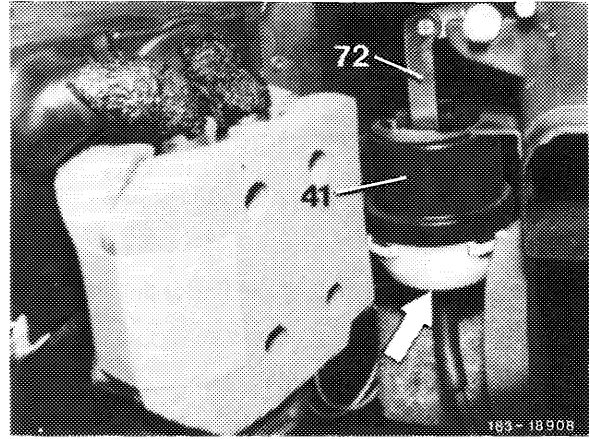
Vacuum element for scoop air flap  
(2nd version)

- 4 To remove vacuum element (41) for scoop air flap 1st version, lift off locks (73) by means of a screwdriver. On 2nd version, remove vacuum element (41) from bayonet lock with a turning motion.



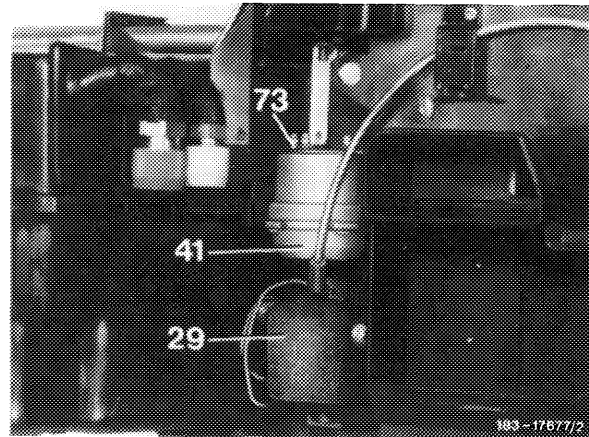
Vacuum element for scoop air flap  
(1st version)

Vacuum element for scoop air flap  
(2nd version)

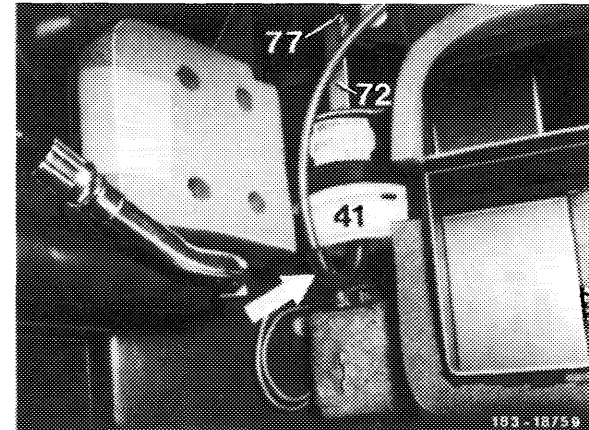


## Installation

1 Attach vacuum element (41) to air conditioner housing together with locks (73) and rubber washers or attach with bayonet lock.

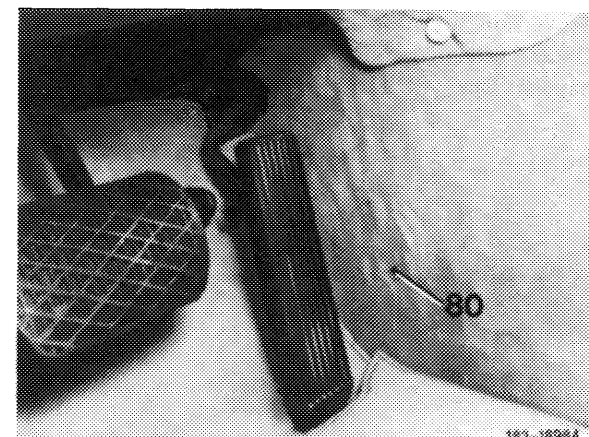


2 Plug-on vacuum line (refer to arrow) and mount actuating rod (72).



3 Mount lefthand lateral lining to center console with screw (80).

4 Install cover at the left under instrument panel (68-150).



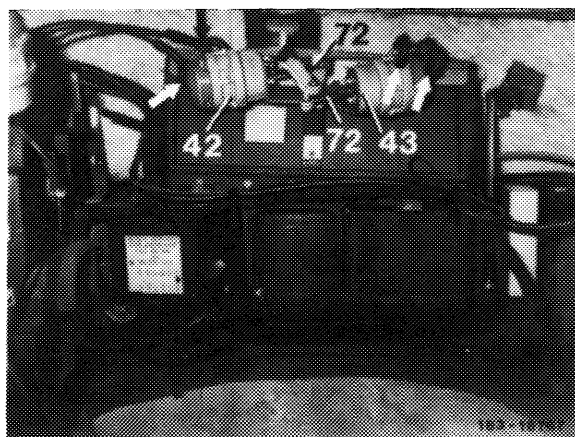
## E. Vacuum elements for main air flap

### Removal

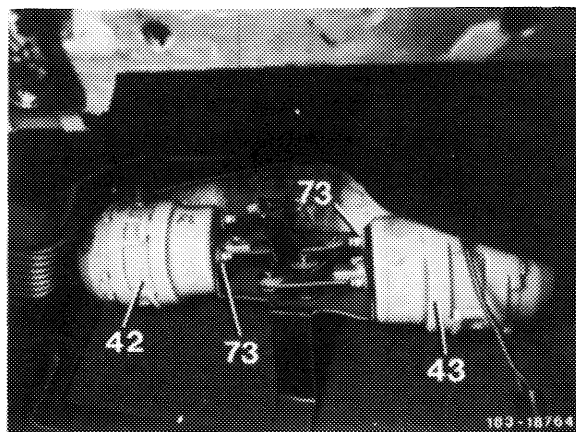
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1 Remove glove box (68–140).

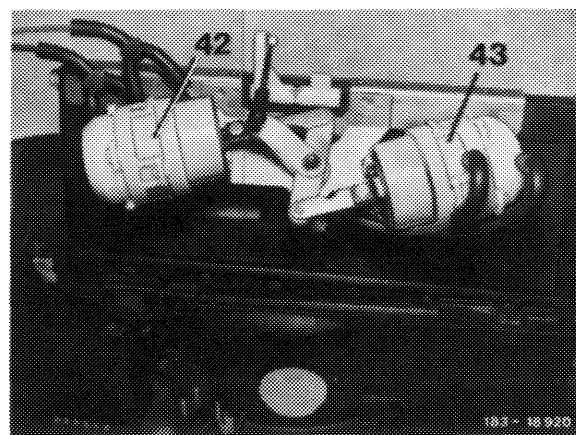
2 Pull vacuum line (refer to arrow) from vacuum element (42 or 43) and disconnect actuating rod (72).



3 To remove vacuum element (42 or 43) for main air flap, 1st version, lift off locks (73) by means of a screwdriver. On 2nd version, remove vacuum elements (42 or 43) from bayonet lock by a turning motion.



Vacuum element for main air flap  
(1st version)

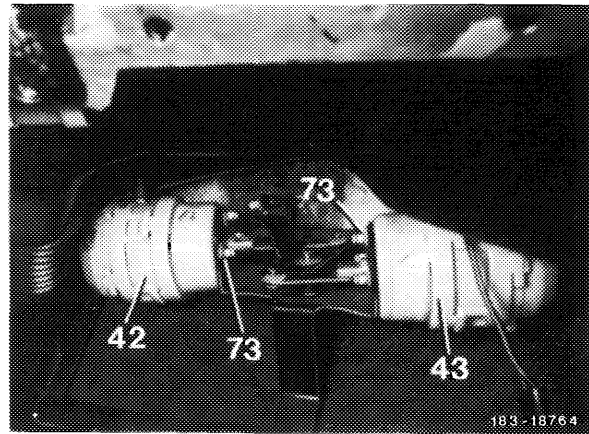


Vacuum element for main air flap  
(2nd version)

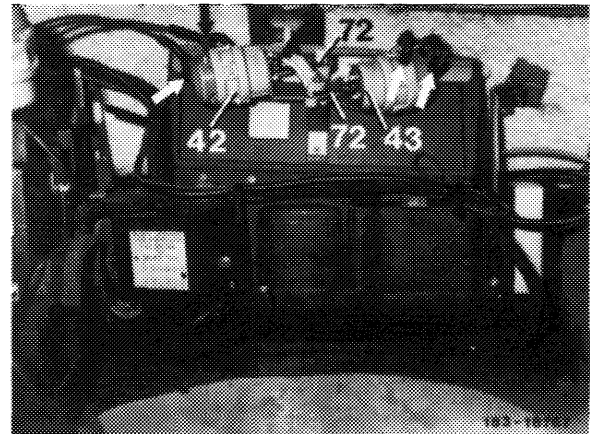
## Installation

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4 Attach vacuum element (42 or 43) to holder together with locks (73) and rubber washers or attach by means of bayonet lock.



5 Plug-on vacuum line (refer to arrow) according to vacuum function diagram (83-615) and connect actuating rod (72).



6 Install glove box (68-140).

7 Check automatic climate control for function.