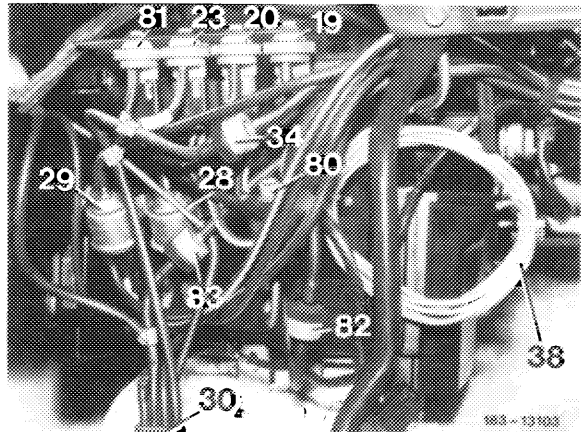


## 83-710 Removal and installation of vacuum lines

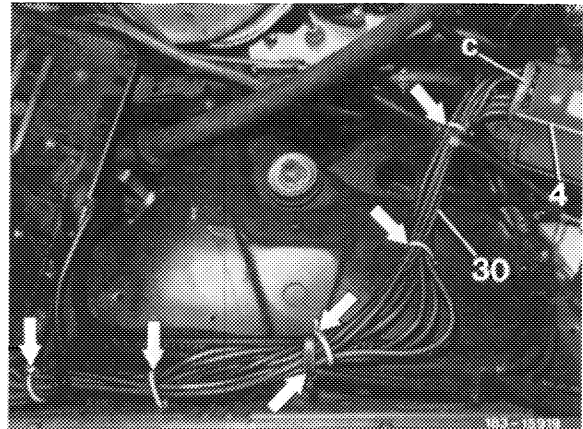
### Removal

- 1 Remove center console (68-200).
- 2 Remove glove box (68-140).
- 3 Remove cover at the right under instrument panel.
- 4 Disconnect battery and remove.
- 5 Pull vacuum lines from vacuum elements, vacuum switches, switchover valves, as well as from regulating valve (4).

- 19 Vacuum switch (main switch, green)
- 20 Vacuum switch (refrigerant compressor, yellow)
- 23 Vacuum switch for refrigerant compressor (at "BI-LEVEL" only)
- 28 Switchover valve legroom flaps
- 29 Switchover valve (fresh air-recirculated air flap)
- 34 Check valve
- 38 Specified leak point
- 80 Switchover valve "BI-LEVEL" (at "DEF")
- 81 Vacuum switch (at "BI-LEVEL" only)
- 82 Check valve
- 83 Check valve

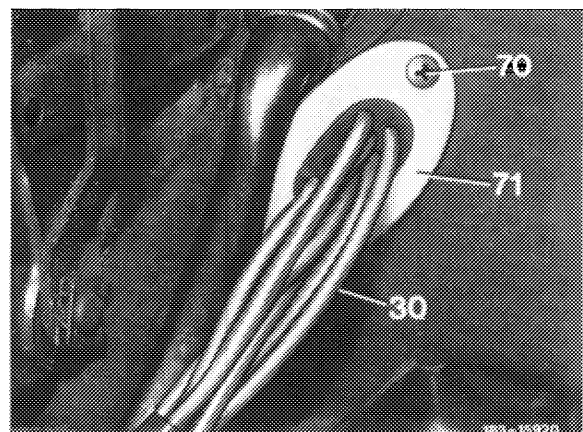


- 6 Loosen all cable straps (arrow) on vacuum lines (30).



- 4 Regulating valve
- 30 Vacuum lines
- c Vacuum plug

- 7 Unscrew two screws (70) on holder (71) and pull vacuum lines (30) through front wall into engine compartment.



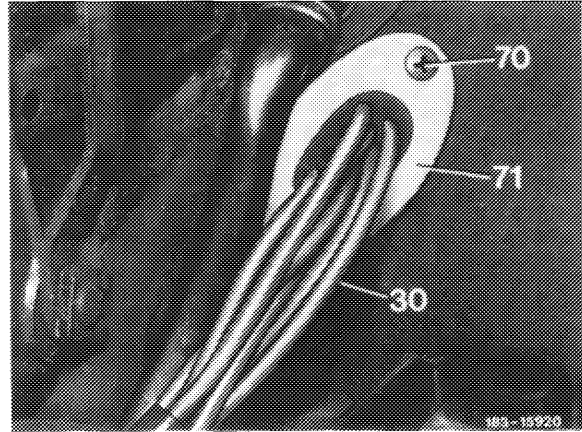
- 30 Vacuum lines
- 70 Screw
- 71 Holder

## Installation

8 Slip vacuum lines (30) from engine compartment through front wall.

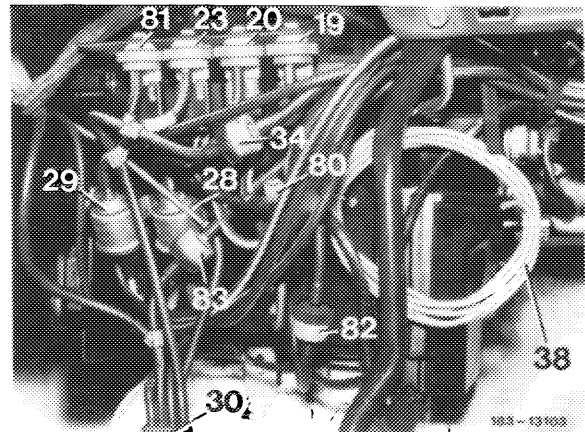
9 Screw rubber grommet with holder (71) and two screws (70) to front wall.

- 30 Vacuum lines
- 70 Screw
- 71 Holder



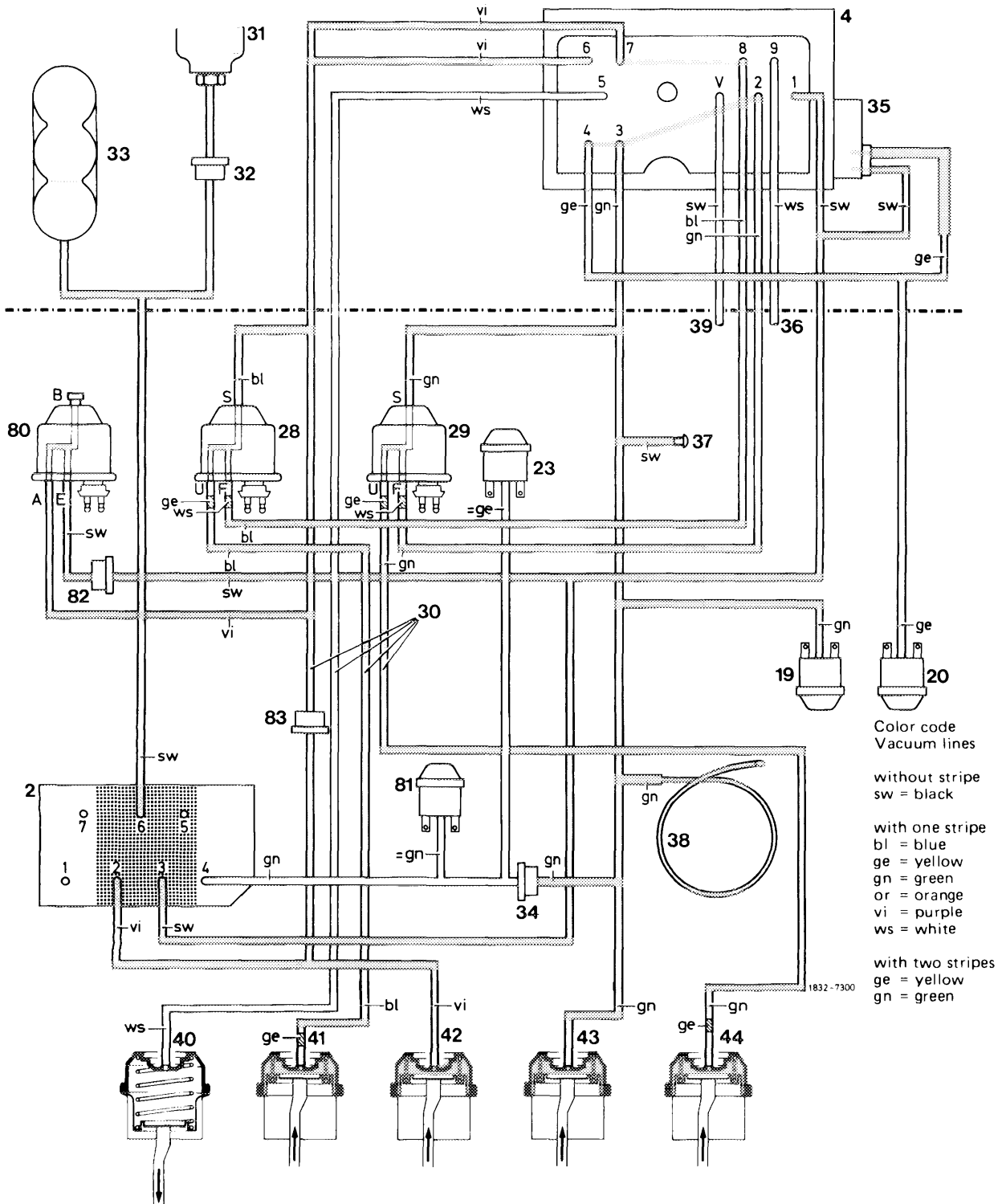
10 Install and connect vacuum lines to vacuum elements, vacuum switches, switchover valves, push-button switch as well as regulating valve (4), paying attention to color marks.

- 19 Vacuum switch (main switch, green)
- 20 Vacuum switch (refrigerant compressor, yellow)
- 23 Vacuum switch for refrigerant compressor (at "BI-LEVEL" only)
- 28 Switchover valve legroom flaps
- 29 Switchover valve (fresh air-recirculated air flap)
- 34 Check valve
- 38 Specified leak point
- 80 Switchover valve "BI-LEVEL" (at "DEF")
- 81 Vacuum switch (at "BI-LEVEL" only)
- 82 Check valve
- 83 Check valve



Install and attach vacuum lines free of tension and without sharp bends and wear marks.

- 11 Install center console (68–200).
- 12 Install glove box (68–140).
- 13 Install cover at right under instrument panel.
- 14 Install battery and connect.
- 15 Check operation of automatic climate control.



Pushbutton switch at "AUTO-LO" or "AUTO-HI", "ON/OFF" switch refrigerant compressor at "ON", regulating valve in position "heating", coolant temperature  $> 40^{\circ}\text{C}$  ( $> 104^{\circ}\text{F}$ )

- |  |  |  |
|--|--|--|
| 2 Pushbutton switch  | 32 Check valve                                     | 42 Vacuum element for defroster jets (flaps "closed" with leak air portion)          |
| 4 Regulating valve   | 33 Vacuum reservoir                                | 43 Vacuum element for main air flap (flap "open")                                    |
| 19 Vacuum switch (main switch, green)                            | 34 Check valve                                     | 44 Vacuum element for fresh air-recirculated air flap (flap in position "fresh air") |
| 20 Vacuum switch (refrigerant compressor, yellow)                | 35 Temperature switch                              | 80 Switchover valve "BI-LEVEL" (at "DEF")  |
| 23 Vacuum switch for refrigerant compressor (at "BI-LEVEL" only) | 36 Vent line for legroom flaps                     | 81 Vacuum switch (at "BI-LEVEL" only)  |
| 28 Switchover valve (legroom flaps)                              | 37 Vacuum connection for tester                    | 82 Check valve   |
| 29 Switchover valve (fresh air-recirculated air flap)            | 38 Specified leak point                            | 83 Check valve   |
| 30 Vacuum lines  | 39 Vent line for regulating valve                  |  |
| 31 Vacuum connection at intake pipe                              | 40 Vacuum element for center jets (flap "closed")  |  |
|  | 41 Vacuum element for legroom flaps (flaps "open") |  |