

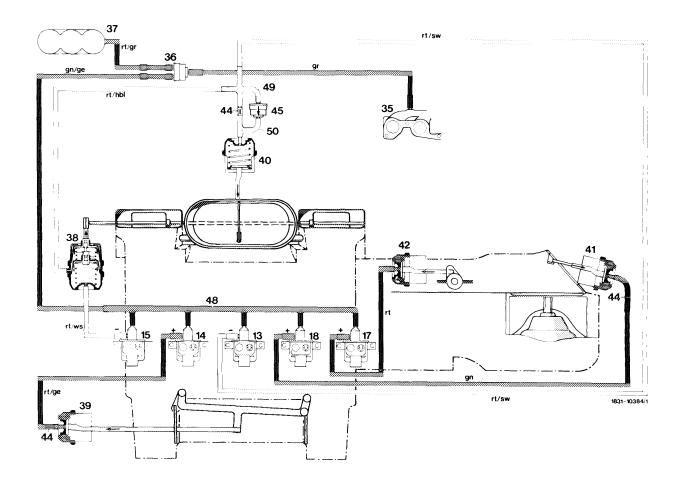
Vacuum function diagram 1 automatic climate control Function selection "a" (defrosting)

13 Switchover valve for center nozzle flap

- Switchover valve for legroom flaps
- Switchover valve for defroster nozzle flaps
- Switchover valve for main air flap Switchover valve for fresh air-recirculating air flap Vacuum connection on intake manifold 18 35
- 36 Check valve
- Vacuum reservoir
- 37 38
- 39 40
- Vacuum element for defroster nozzle flaps (flaps "open")
  Vacuum element for legroom flaps (flap "closed")
  Vacuum element for center nozzle flap (flap "closed")
  Vacuum element for fresh air-recirculating air flap (position "fresh air")
  Vacuum element for main air flap (flap "open") 41
- 44 Throttle (orifice)
- Check valve (arrow = flow direction) 45 48
- 6-point distributor 4-point distributor 3-point distributor
- 49

Color code of vacuum lines ge = yellow

ge = yellow gn = green gr = gray rt = red ws = white hbl= light blue



- Vacuum function diagram 2 automatic climate control Function selection "b" (heating)

  Switchover valve for center nozzle flap

  Switchover valve for legroom flaps

  Switchover valve for defroster nozzle flaps

  Switchover valve for main air flap

  Switchover valve for fresh air-recirculating air flap
- Vacuum connection on intake manifold
- 35 36 37 38 39 Check valve
- Vacuum reservoir

- vacuum reservoir
  2-stage vacuum element for defroster nozzle flaps (flaps "open")
  Vacuum element for legroom flaps (flap "open")
  Vacuum element for center nozzle flap (flap "closed")
  Vacuum element for fresh air-recirculating air flap (position "fresh air")
  Vacuum element for main air flap (flap "open")
  Throttle (orifice)
  Cheek value (expense flave discasse) 41 42 44 45

- Check valve (arrow = flow direction)
- 6-point distributor
  4-point distributor
- 49 50
- 3-point distributor

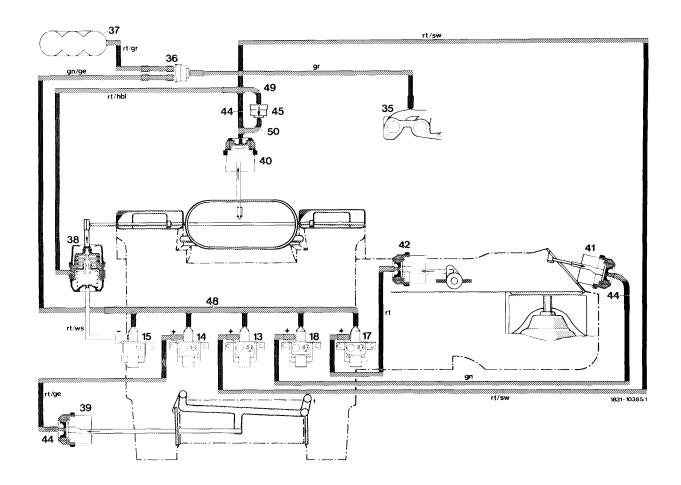
Color code of

vacuum lines ge = yellow

gn = green

gr = gray rt = red

ws = white hbl= light blue



Vacuum function diagram 2a automatic climate control Function selection "b" (cooling — fresh air)

13 Switchover valve for center nozzle flap

- Switchover valve for legroom flaps Switchover valve for defroster nozzle flaps Switchover valve for main air flap
- 18 Switchover valve for fresh air-recirculating air flap
- Vacuum connection on intake manifold
- 35 36 37 38 39 40 Check valve
- Vacuum reservoir

- Vacuum reservoir
  2-stage vacuum element for defroster nozzle flaps (flaps "open")
  Vacuum element for legroom flaps (flap "open")
  Vacuum element for center nozzle flap (flap "open")
  Vacuum element for fresh air-recirculating air flap (position "fresh air")
- Vacuum element for main air flap (flap "open")
- Throttle (orifice)
- Check valve (arrow = flow direction) 6-point distributor 45
- 48
- 4-point distributor
- 3-point distributor

Color code of vacuum lines

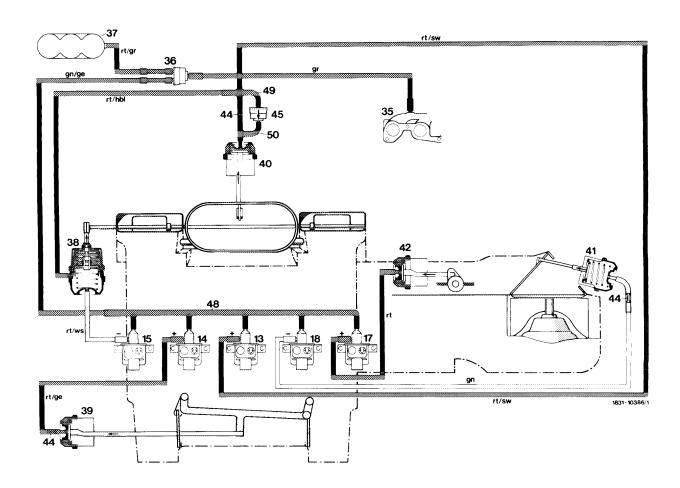
ge ≈yellow

gn = green

gr = gray rt = red

ws = white

hbl= light blue



Vacuum function diagram 2b automatic climate control Function selection "b" (cooling — recirculating air)

Switchover valve for center nozzle flap

Switchover valve for legroom flaps

Switchover valve for defroster nozzle flaps

- Switchover valve for main air flap
  Switchover valve for fresh air-recirculating air flap
  Vacuum connection on intake manifold
- 18 35
- 36 37 38 39 Check valve
- Vacuum reservoir
- Vacuum element for defroster nozzle flaps (flaps "open")
  Vacuum element for legroom flaps (flap "open")
  Vacuum element for center nozzle flap (flap "open")

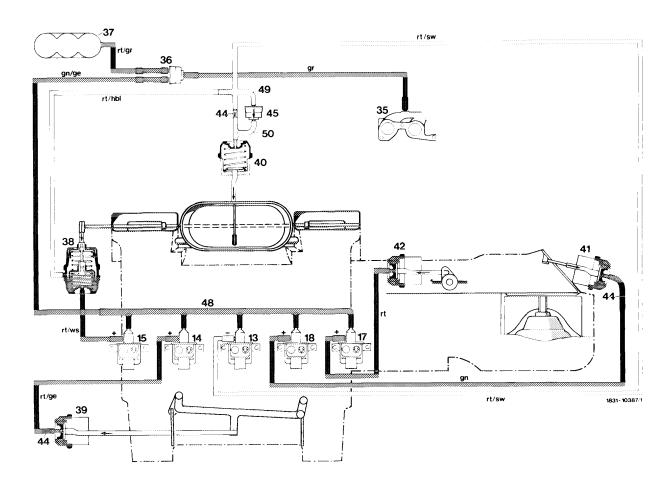
- Vacuum element for fresh air-recirculating air flap (position "recirculating air") 41
- 42 Vacuum element for main air flap (flap "open")
- 44 Throttle (orifice)
- Check valve (arrow = flow direction) 6-point distributor 45
- 48
- 49 4-point distributor
- 3-point distributor

Color code of

vacuum lines

ge = yellow gn = green gr = gray rt = red ws = white

hbl= light blue



Vacuum function diagram 3 automatic climate control Function selection "c" (heating)
13 Switchover valve for center nozzle flap
14 Switchover valve for legroom flaps

- Switchover valve for defroster nozzle flaps
  Switchover valve for main air flap
  Switchover valve for fresh air-recirculating air flap
  Vacuum connection on intake manifold
- 18 35 36
- Check valve
- Vacuum reservoir
- 2-stage vacuum element for defroster nozzle flaps (flaps "closed", with leak air share)
- 39
- 40
- With leak air share?

  Vacuum element for legroom flaps (flaps "open")

  Vacuum element for center nozzle flap (flap "closed")

  Vacuum element for fresh air-recirculating air flap (position "fresh air")

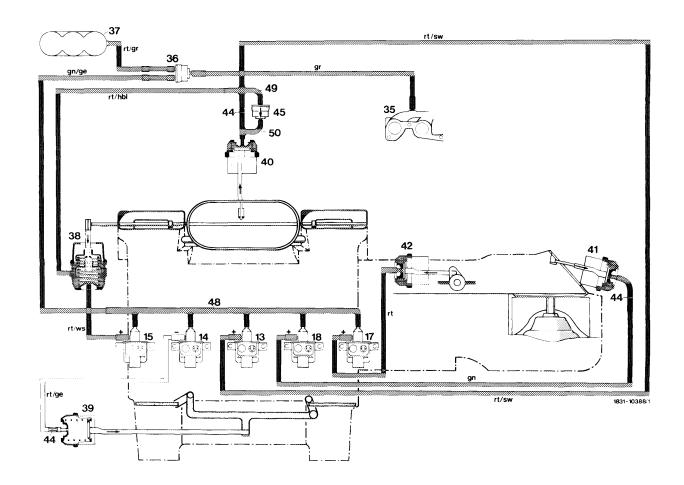
  Vacuum element for main air flap (flap "open")
- Throttle (orifice)
- Check valve (arrow = flow direction) 6-point distributor 45
- 48
- 4-point distributor
- 3-point distributor

## Color code of

vacuum lines

- ge = yellow gn = green
- gr = gray rt = red

- ws = white hbl= light blue
- sw = black



Vacuum function diagram 3a automatic climate control Function selection "c" (cooling — fresh air)

13 Switchover valve for center nozzle flap

14 Switchover valve for legroom flaps

15 Switchover valve for defroster nozzle flaps

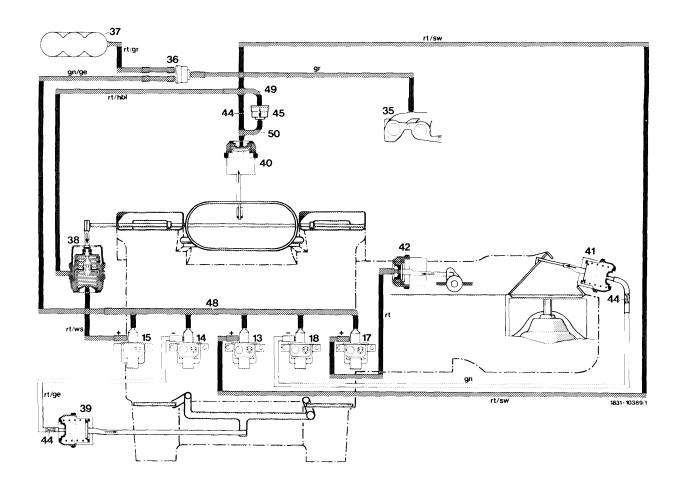
- Switchover valve for main air flaps
- Switchover valve for fresh air-recirculating air flap
- Vacuum connection on intake manifold
- Check valve
- Vacuum reservoir

- 18 35 36 37 38 39 40
- Vacuum element for defroster nozzle flaps (flaps "closed")
  Vacuum element for legroom flaps (flaps "closed")
  Vacuum element for center nozzle flap (flap "open")
  Vacuum element for fresh air-recirculating air flap (position "fresh air")
  Vacuum element for main air flap (flap "open") 41 42
- 44 Throttle (orifice)
- Check valve (arrow = flow direction) 45 48
- 6-point distributor 4-point distributor
- 49
- 3-point distributor

## Color code of

vacuum lines

- ge = yellow gn = green
- gr = gray rt = red
- ws = white
- hbl= light blue
- sw = black



Vacuum function diagram 3b automatic climate control Function selection "c" (max. cooling – recirculating air)

Switchover valve for center nozzle flap

Switchover valve for defroster nozzle flaps

Switchover valve for defroster nozzle flaps

- Switchover valve for main air flap
- Switchover valve for fresh air-recirculating air flap
- Vacuum connection on intake manifold
- 35 36 37
- Check valve Vacuum reservoir
- 38 39 40

- Vacuum element for defroster nozzle flaps (flaps "closed")
  Vacuum element for legroom flaps (flaps "closed")
  Vacuum element for center nozzle flap (flap "open")
  Vacuum element for fresh air-recirculating air flap (position "recirculating air") 41 42
- Vacuum element for main air flap (flap "open")
- Throttle (orifice)
- Check valve (arrow = flow direction) 6-point distributor 45
- 48
- 49
- 4-point distributor 3-point distributor

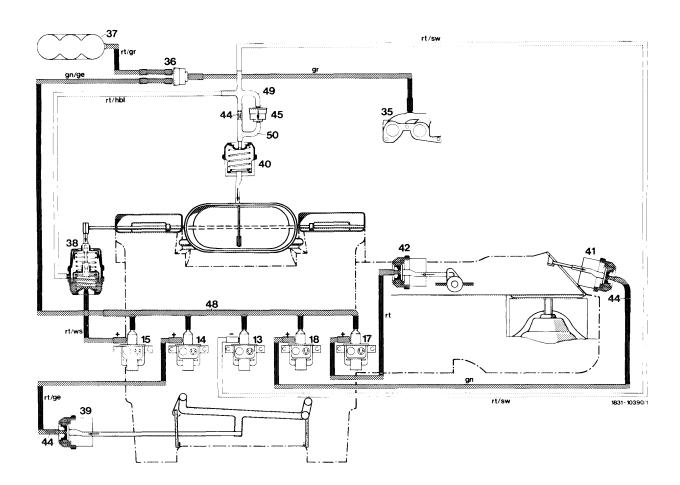
Color code of vacuum lines ge = yellow

gn = green

gr = gray rt = red

ws = white

hbl= light blue



Vacuum function diagram 4 automatic climate control Function selection "d" (heating — economy)

13 Switchover valve for center nozzle flap

- Switchover valve for legroom flaps Switchover valve for defroster nozzle flaps Switchover valve for main air flap
- Switchover valve for fresh air-recirculating air flap
- 18 35 36 Vacuum connection on intake manifold
- Check valve
- 37 Vacuum reservoir
- 2-stage vacuum element for defroster nozzle flaps (flaps "closed", 38 with leak air share) Vacuum element for legroom flaps (flaps ''open'')
- 39
- 40
- Vacuum element for legroom flaps (flap 'closed')
  Vacuum element for fresh air-recirculating air flap (position 'fresh air')
  Vacuum element for main air flap (flap 'open')
  Throttle (orifice)
- 42 44
- 45 Check valve (arrow = flow direction)
- 6-point distributor
- 49 4-point distributor
- 3-point distributor 50

Color code of

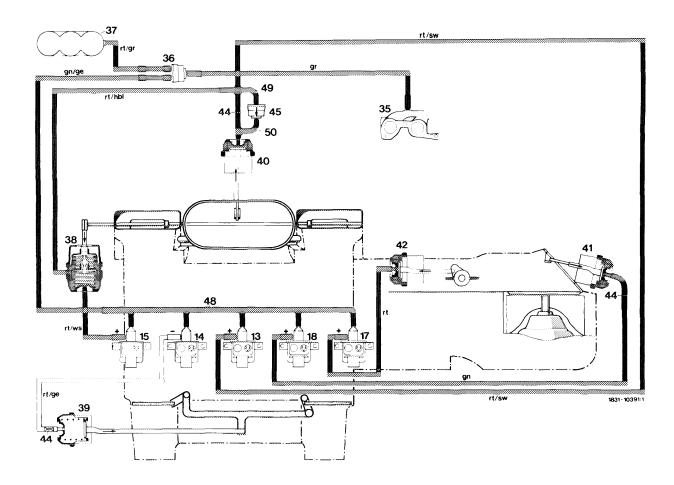
vacuum lines

ge = yellow gn = green

gr = gray rt = red

ws = white

hbl= light blue



Vacuum function diagram 4a automatic climate control Function selection "d" (cooling — economy)

13 Switchover valve for center nozzle flap

14 Switchover valve for legroom flaps

15 Switchover valve for main air flap

16 Switchover valve for main air flap

- Switchover valve for fresh air-recirculating air flap
- Vacuum connection on intake manifold Check valve
- 35 36 37 38 39
- Vacuum reservoir
  2-stage vacuum element for defroster nozzle flaps (flaps "closed")

- Vacuum element for legroom flaps (flaps "closed")
  Vacuum element for center nozzle flap (flap "open")
  Vacuum element for fresh air-recirculating air flap (position "fresh air")
  Vacuum element for main air flap (flap "open") 41
- 42
- 44 45 Throttle (orifice)
- Check valve (arrow = flow direction)
- 6-point distributor
- 4-point distributor
- 3-point distributor

Color code of vacuum lines

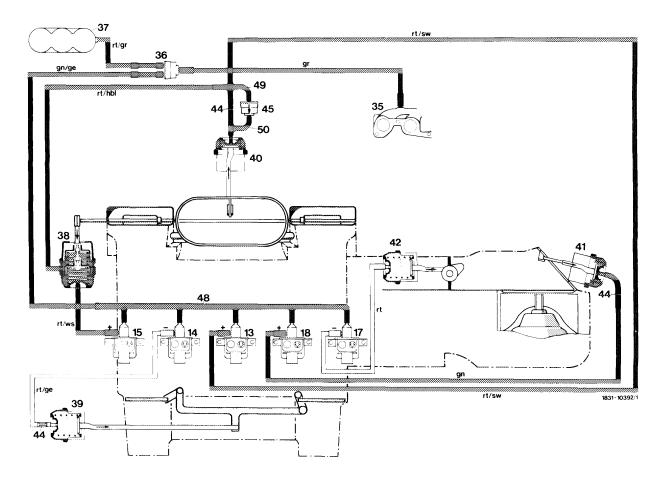
ge = yellow

gn = green

gr = gray rt = red

ws = white

hbl= light blue



Vacuum function diagram 5 automatic climate control Function selection "e" (off — ignition on)

13 Switchover valve for center nozzle flap

14 Switchover valve for legroom flaps

- Switchover valve for defroster nozzle flaps
  Switchover valve for main air flap
  Switchover valve for fresh air-recirculating air flap
  Vacuum connection on intake manifold
  Check valve
- 18 35 36 37 38 39
- Vacuum reservoir

- vacuum reservoir
  2-stage vacuum element for defroster nozzle flaps (flaps "closed")
  Vacuum element for legroom flaps (flaps "closed")
  Vacuum element for center nozzle flap (flap "open")
  Vacuum element for fresh air-recirculating air flap (position "fresh air")
  Vacuum element for main air flap (flap "closed")
  Throttle (orifice)
  Cheel value (execute flap display) 41 42
- 44
- Check valve (arrow = flow direction)
- 6-point distributor
- 4-point distributor
- 3-point distributor

Color code of vacuum lines

ge = yellow

gn = green gr = gray rt = red

ws = white

hbl = light blue sw = black