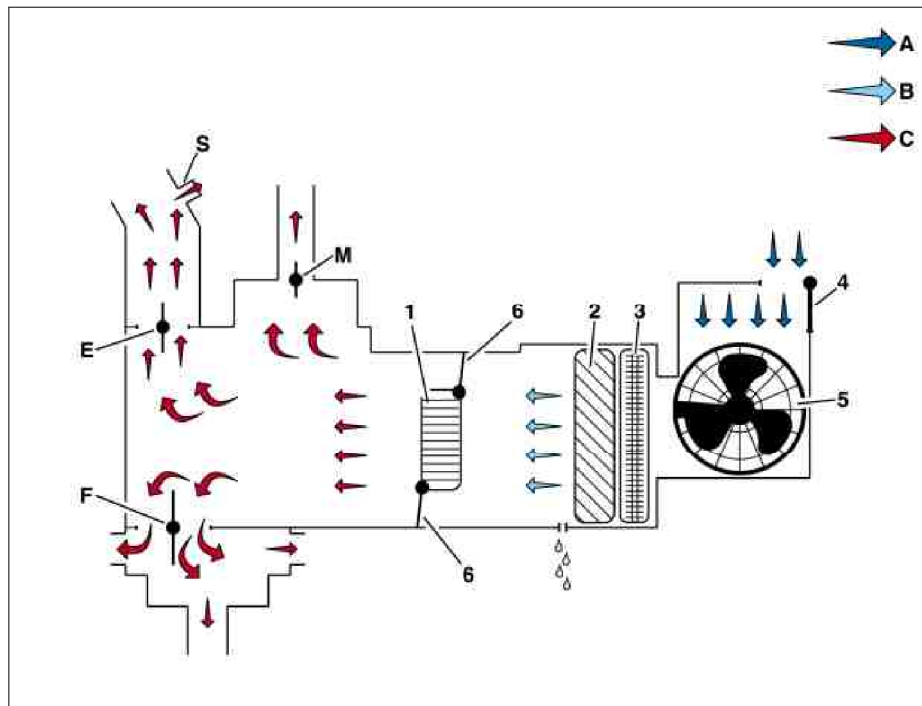


Operating condition: Air ducting in heating mode

- A Fresh air
 B Dried (cooled, cleaned) air
 C Warm air
- E Defroster flap
 F Footwell flap
 M Center nozzle and lateral nozzles
 S Defroster vent for side window
- 1 Heating system heat exchanger
 2 Evaporator
 3 Dust filter
 4 Recirculated air flap
 5 Blower
 6 Blending air flaps



P83.30-1060-76

Operating condition: HEATING

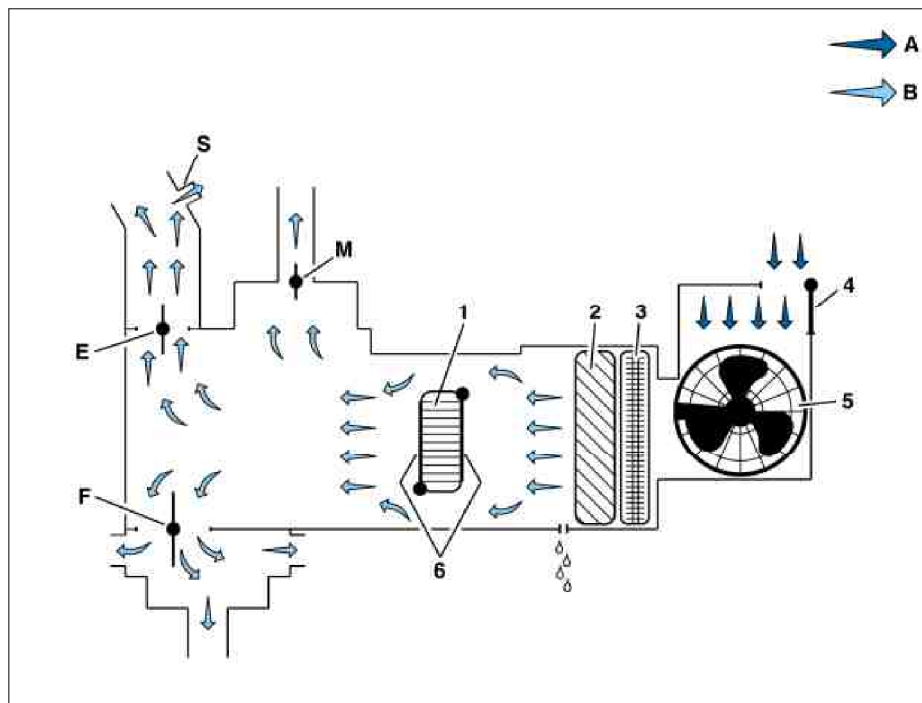
Function

In the heating operating status, the fresh air (A) is drawn in by the blower (5) into the evaporator housing and routed through the dust filter (3). The air purified by the dust filter (3) is then routed through the evaporator (2) and dried there. The fresh air (B), which has been dried, cooled and cleaned, is subsequently routed through the heat exchanger (1). This air conduction is controlled via the setting of the blending air flaps (6).

The fresh air (B), which has been dried, cooled and cleaned, is heated up again in the heat exchanger (1). The warm air (C) is conducted via the air outlets (E, F, M and S) into the vehicle interior. The recirculated air flap (4) is closed.

Operating condition: Air ducting in cooling mode

- A Fresh air
 B Dried (cooled, cleaned) air
- E Defroster flap
 F Footwell flap
 M Center nozzle and lateral nozzles
 S Defroster vent for side window
- 1 Heating system heat exchanger
 2 Evaporator
 3 Dust filter
 4 Recirculated air flap
 5 Blower
 6 Blending air flaps



P83.30-1057-76

Operating condition: cooling

Function

In the cooling operating status, the fresh air (A) is drawn in by the blower (5) into the evaporator housing and routed through the dust filter (3). The air purified by the dust filter (3) is then routed through the evaporator (2) and dried there. The fresh air (B), which has been dried, cooled and cleaned, is subsequently routed around the heat exchanger (1). This air conduction is controlled via the setting of the blending air flaps (6).

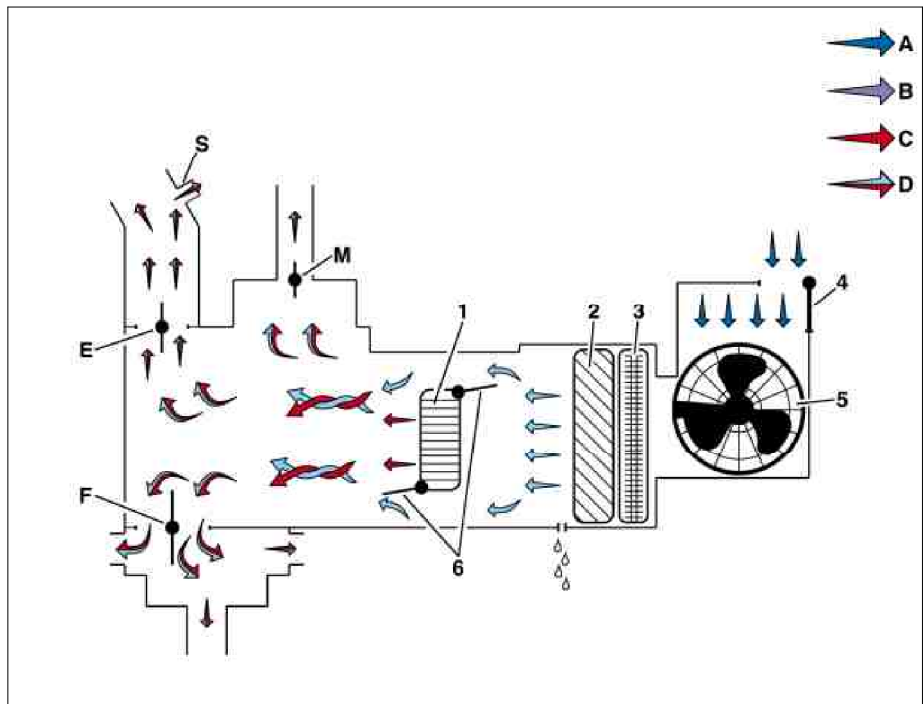
The dried, cooled and cleaned air (B) is routed directly into the passenger compartment via the air outlets (E, F, M and S). The recirculated air flap (4) is closed.

**Operating condition: Blend air ducting
(warm/cold) closed-loop
operation**

- A Fresh air
- B Dried (cooled, cleaned) air
- C Warm air
- D Blend air

- E Defroster flap
- F Footwell flap
- M Center nozzle and lateral nozzles
- S Defroster vent for side window

- 1 Heating system heat exchanger
- 2 Evaporator
- 3 Dust filter
- 4 Recirculated air flap
- 5 Blower
- 6 Blending air flaps



P83.30-1059-76

Operating condition: Blend air (warm/cold)

Function

In the blend air operating status, the fresh air (A) is drawn in by the blower (5) into the evaporator housing and routed through the dust filter (3). The air purified by the dust filter (3) is then routed through the evaporator (2) and dried there. Some of the dried, cold and cleaned air (B) is routed through the heat exchanger (1) and some is routed around the heat exchanger (1). This air conduction is controlled via the central setting of the blending air flaps (6).

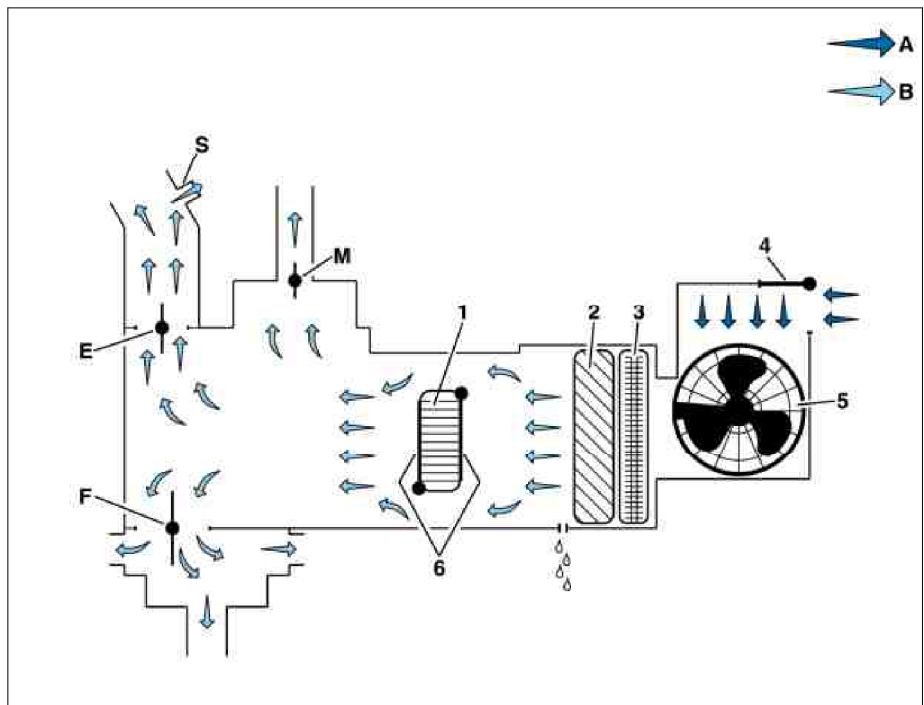
The air (B), which has been dried, cooled and cleaned by the heat exchanger (1) is heated up again. After passing through the blending air flaps (6) this heated air (C) is mixed up to form blend air (D) with the dried, cooled and cleaned air, which was routed around the heat exchanger (1). This blend air (D) is then routed via the air outlets (E, F, M and S) into the passenger compartment. The recirculated air flap (4) is closed.

**Operating condition: Air ducting
"recirculation air" in cooling mode**

- A Recirculated air
- B Dried (cooled, cleaned) air

- E Defroster flap
- F Footwell flap
- M Center nozzle and lateral nozzles
- S Defroster vent for side window

- 1 Heating system heat exchanger
- 2 Evaporator
- 3 Dust filter
- 4 Recirculated air flap
- 5 Blower
- 6 Blending air flaps



P83.30-1058-76

Operating condition: Cooling down "recirculation air"

Function

In the cooling mode with recirculating air the blower (5) draws the recirculated air (A) from the passenger compartment over the opened recirculated air flaps (4) into the evaporator housing and routes it through the dust cleaner (3). The air purified by the dust filter (3) is then routed through the evaporator (2) and dried there. The fresh air (B), which has been dried, cooled and cleaned, is subsequently routed around the heat exchanger (1). This air conduction is controlled via the setting of the blending air flap (6).

The dried, cooled and cleaned air (B) is routed directly into the passenger compartment via the air outlets (E, F, M and S). The supply of fresh air is cut off by the recirculated air flap (4).