



**Haynes**  
shows you how

**BMW 3-Series (92-98) & Z3 (96-98) Haynes Online Manual**

## 10 Heater/ventilation components (Z3 models) - removal and installation

1 Disconnect the cable from the negative battery terminal.

2 If you're replacing the heater control valve or the heater core, drain the cooling system. **Warning:** *Wait until the engine is completely cool before beginning this procedure.*

### Climate control assembly

3 Remove the radio (see [Chapter 12](#) ).

4 Remove the two climate control assembly retaining screws (see illustration) from the radio recess..

**10.4 To detach the climate control assembly from the center console, remove these two screws (arrows) from the radio recess**



5 Push the climate control assembly into the console (see illustration) , turn the assembly over, unplug the electrical connectors and remove the assembly through the radio cavity.

**10.5 Push the climate control assembly into the center console, unplug the electrical connectors and then pull it out through the radio recess**

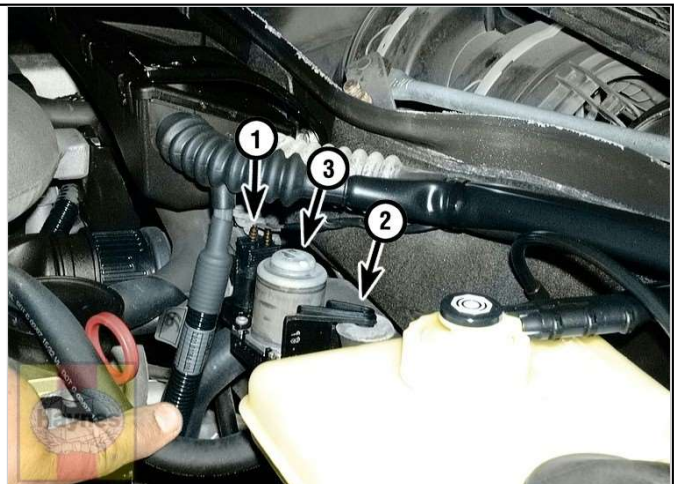


6 Installation is the reverse of removal.

## Heater control valve

7 Unplug the electrical connector from the heater control valve (see illustration) .

**10.7 To remove the heater control valve, unplug the electrical leads (1), disengage the upper bracket (2) and the lower bracket (not visible in this photo) and remove the valve (3)**



8 Locate the heater hose clamps at the heater control valve, which is located at the rear of the engine compartment, in front of the firewall. Loosen the clamps. Clearly label the heater hoses, then disconnect the hoses from the valve.

9 Detach the heater control valve from the lower mounting bracket, then detach it from the upper mounting bracket.

10 Installation is the reverse of removal. Refill the cooling system when you're done (see [Chapter 1](#) ).

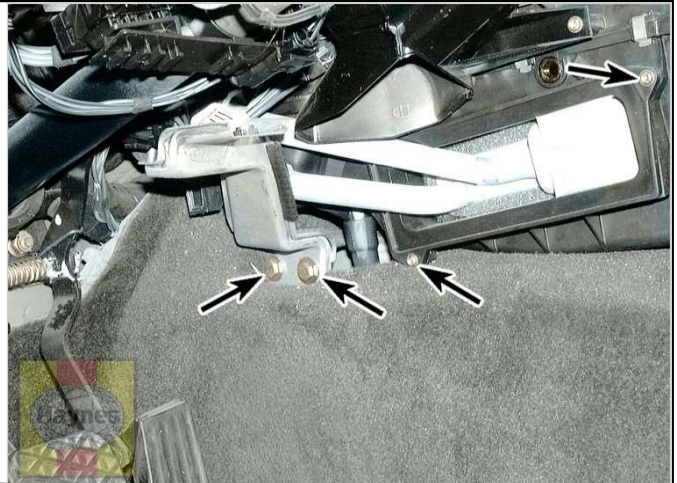
## Heater core

11 Locate the heater hose clamps at the firewall, loosen the clamps and disconnect the heater hoses from the

heater core pipes.

12 Remove the trim panel from the lower left part of the dash and remove the lower knee bolster (see [Chapter 11](#)). Remove the bracket for the knee bolster (see illustration) .

**10.12 Remove the knee bolster bracket bolts (left arrows) and the bracket, and then remove the heater core retaining screws (right arrows)**



13 Remove the heater core retaining screws (see illustration 10.8) .

14 Squeeze the coolant pipe retaining clips (see illustration) together, then detach the coolant pipes from the heater core.

**10.14 To disconnect the heater core pipes from these fittings, squeeze the upper and lower tabs on the fittings (arrows) and pull firmly (there are O-rings inside the fittings, so the heater core pipes are a tight fit)**



15 Pull the heater core sideways and remove it.

16 Installation is the reverse of removal.

17 Refill the cooling system when you're done (see [Chapter 1](#) ).

## Blower motor



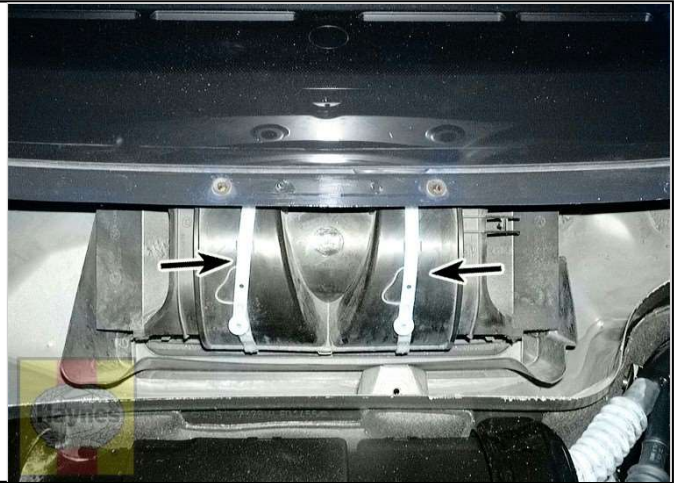
18 Remove the rubber seal from the air intake grille in front of the windshield (see [Chapter 12](#)).

19 Remove the air intake grille retainers and remove the grille (see [Chapter 12](#)).

20 Remove the windshield wiper motor and linkage (see [Chapter 12](#)).

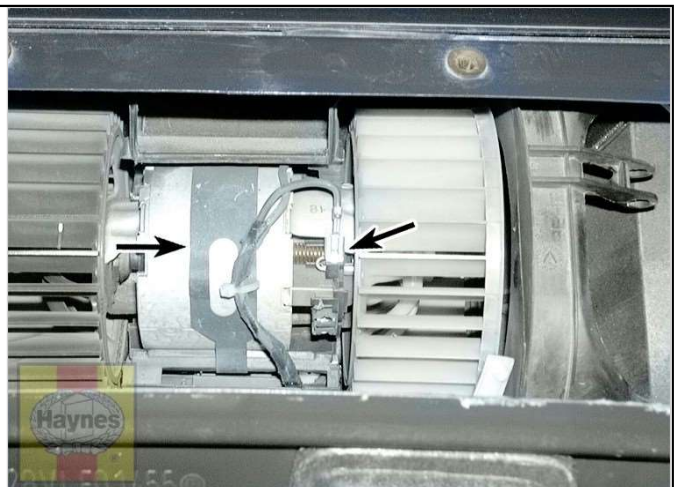
21 Disconnect the blower motor cover retaining straps (see illustration) and remove the cover.

**10.21 To remove the blower motor cover, disconnect these two straps (arrows)**



22 Remove the fan cover and unplug the electrical connector (see illustration) from the blower motor resistor pack.

**10.22 To remove the blower motor, unplug the electrical connector (right arrow) and remove the retaining strap (left arrow)**



23 Remove the fan retaining strap (see illustration 10.18) . Remove the blower motor.

24 Installation is the reverse of removal.