

## HEATER SYSTEM

### Article Text

1990 Volkswagen Corrado

For Volkswagen Technical Site: <http://vw.belcom.ru>

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## ARTICLE BEGINNING

1990 HEATER SYSTEMS

Volkswagen

Cabriolet, Corrado, Fox, Golf GL, GTI, Jetta,  
Jetta GLi, Vanagon

WARNING: To avoid accidental air bag deployment, see AIR BAG  
DEACTIVATION SERVICING PRECAUTIONS in this article.

## DESCRIPTION

The heater is a water-valve type that combines heating, defrosting and ventilation into one unit. Controls include fan control knob and air distribution and temperature control levers. Blower fan provides 3 speeds.

NOTE: Vanagon heater system information is not available from manufacturer. For wiring diagram information, see WIRING DIAGRAMS at end of this article.

## OPERATION

When air distribution lever (upper lever) is in the center stop position and lower temperature control lever is to the far left, no air enters vehicle. As air distribution lever is moved to the left, air is directed to floor vents. As distribution lever is moved to the right, air is directed to defroster vents.

As heater lever (lower lever) is moved to the right, heater turns on and heat output is increased. As the fan control knob is turned to the right, the fan turns on and can be switched across its 3 speeds.

## AIR BAG DEACTIVATION SERVICING PRECAUTIONS

WARNING: Some models are equipped with driver's side air bag restraint system. Air bag-equipped vehicles have AIRBAG stamped on the steering wheel horn pad. Air bag system capacitor maintains a voltage charge sufficient to cause air bag deployment for up to 20 MINUTES after ignition switch is turned off and battery is disconnected.

## DISABLING SYSTEM

Ensure ignition switch is OFF. Disconnect negative battery cable and insulate terminal. Wait at least 20 MINUTES before proceeding with repairs.

## SYSTEM FUNCTIONAL CHECK

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When all service work is completed, reconnect negative battery cable. Turn ignition on. Ensure the left turn indicator light comes on for about 5 seconds and then goes out. If light does not come on for about 5 seconds and then go out, air bag system needs to be serviced.

### TEMPERATURE CONTROL LEVER ADJUSTMENTS

Move temperature control lever to extreme left position. Place heater control valve lever in closed position. Secure cable with a clip.

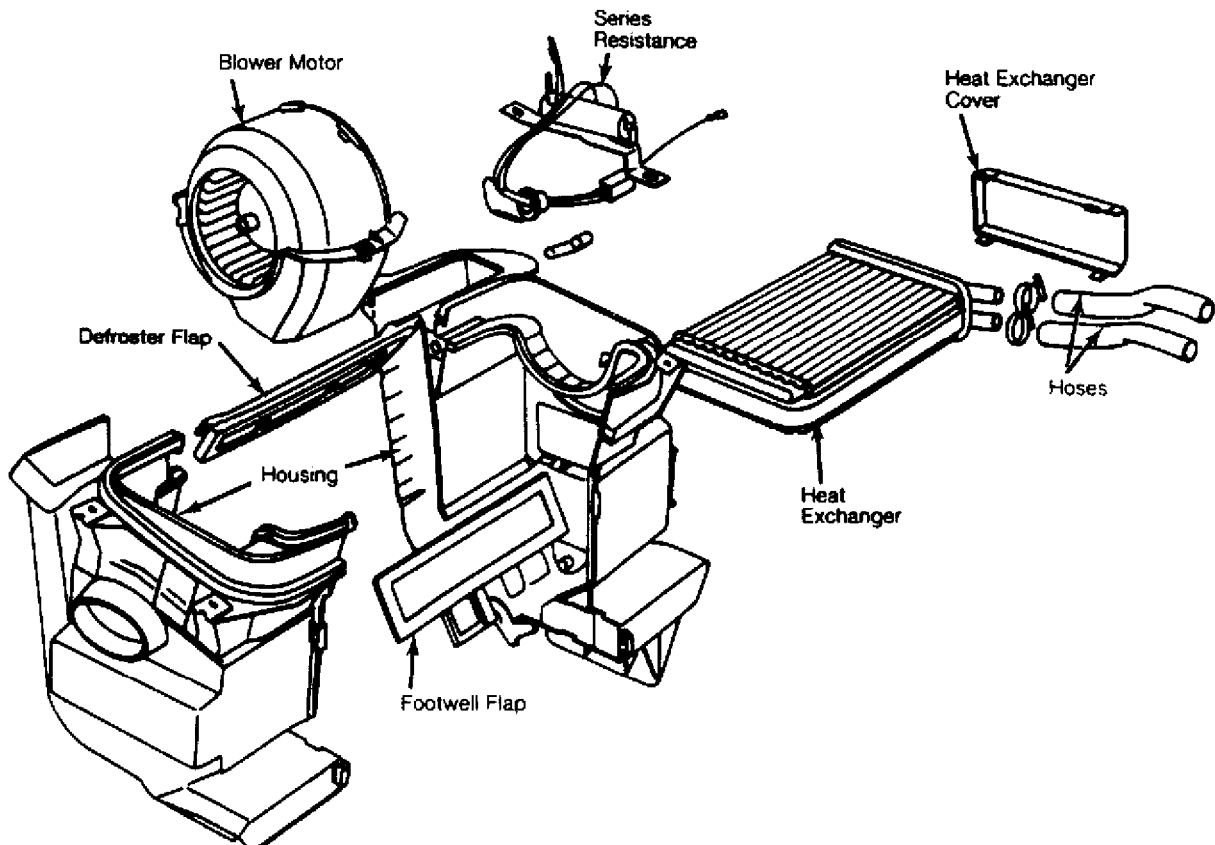


Fig. 1: Exploded View of Heater System (Cabriolet & Fox)  
Courtesy of Volkswagen United States, Inc.

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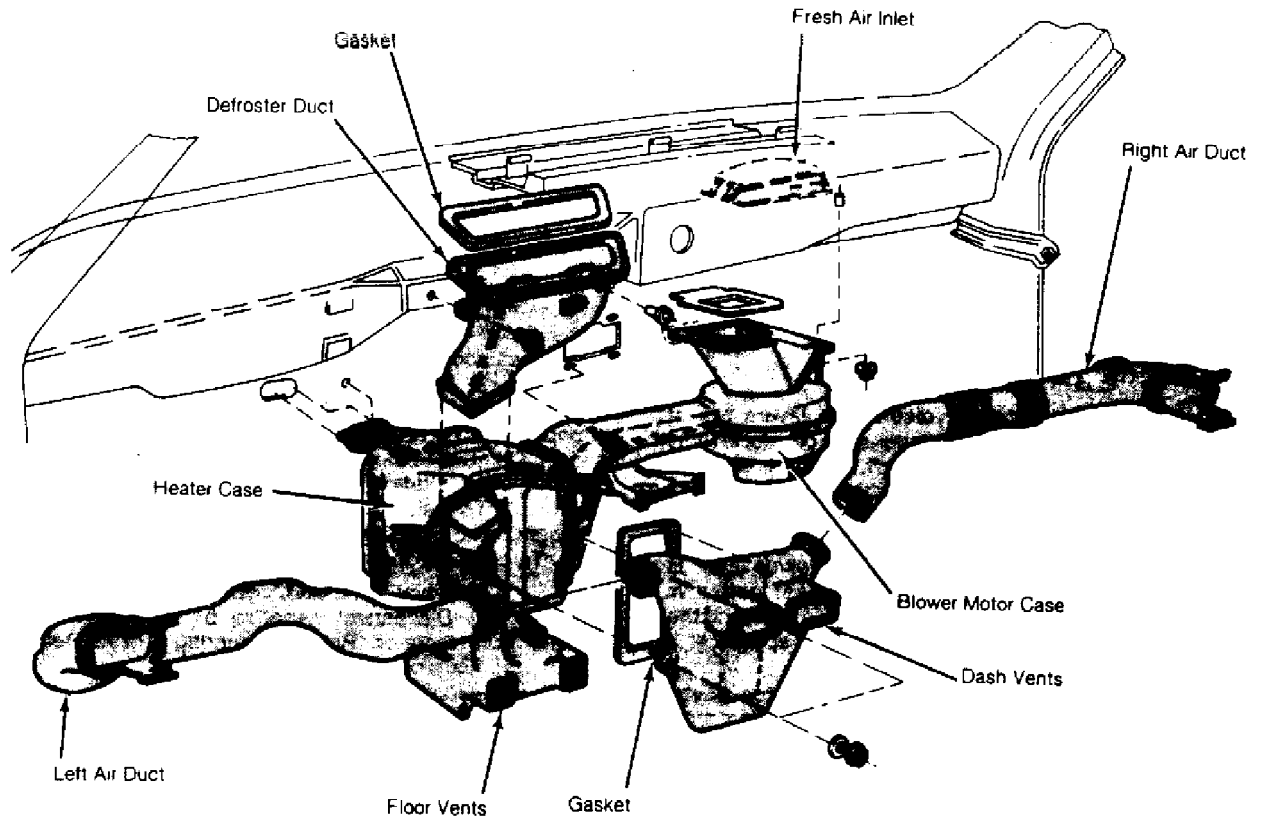


Fig. 2: Exploded View of Heater System (Golf GL, GTI, Jetta & Jetta GLi)

Courtesy of Volkswagen United States, Inc.

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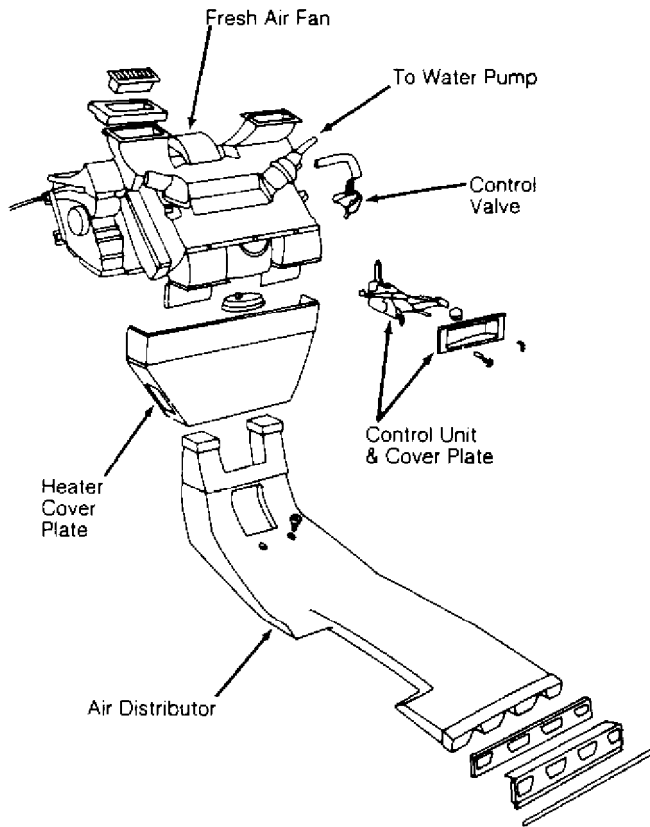


Fig. 3: Exploded View of Heater System (Vanagon)  
Courtesy of Volkswagen United States, Inc.

### HEATER ASSEMBLY R & I

#### REMOVAL (CABRIOLET & FOX)

- 1) Drain coolant from radiator. Loosen clamps and remove heater core hoses. Disconnect battery ground cable. Pull heater control knobs off. Remove trim plate and underdash access panels.
- 2) Disconnect wiring from blower motor, and remove cable from temperature control lever. Pry spring clamp off with screwdriver and separate heater assembly halves. Remove heater core and blower motor.

#### INSTALLATION

To install, insert blower motor and heater core into right half of housing. Position left half and install spring clips. To complete installation, reverse removal procedure.

#### REMOVAL (GOLF GL, GTI, JETTA & JETTA GLI)

- 1) Disconnect negative battery cable. Drain coolant from radiator. Remove steering wheel. Remove lower left instrument panel

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retaining screws. Remove lower left instrument panel. Remove lower right instrument panel tray retaining screws.

2) Remove lower right instrument panel. Remove gearshift lever knob. Remove gearshift lever boot. Remove center console retaining screws. Slide center console rearward. Disconnect electrical connectors attached to center console. Remove center console.

3) Remove temperature control knobs. Remove trim plate. Remove radio. Remove switches from instrument panel. Remove instrument panel trim plate retaining screws. Remove instrument panel trim plate. Remove instrument cluster retaining screws. Remove instrument cluster.

4) Disconnect speedometer cable, electrical connectors and vacuum hoses from instrument cluster. Remove speaker grilles. Remove air outlet grilles from housings. Remove housing retaining screws. Remove air outlet housings. Remove instrument panel mounting nuts and screws.

5) Remove instrument panel. Disconnect heater hoses from heater core. Remove heater assembly mounting bolts and nuts. Remove all attaching ducts. Disconnect cables from heater assembly. Remove heater assembly.

## INSTALLATION

Reverse removal procedure for installation. Fill radiator with coolant and start engine. Ensure heater control is in warm position to purge air from heater core.

## WIRING DIAGRAMS

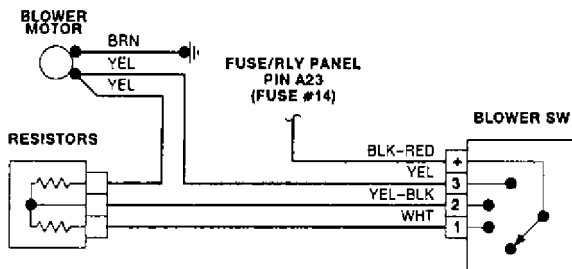


Fig. 4: Heater System Wiring Diagram (Cabriolet)

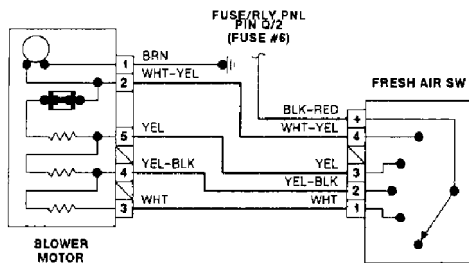


Fig. 5: Heater System Wiring Diagram (Corrado)

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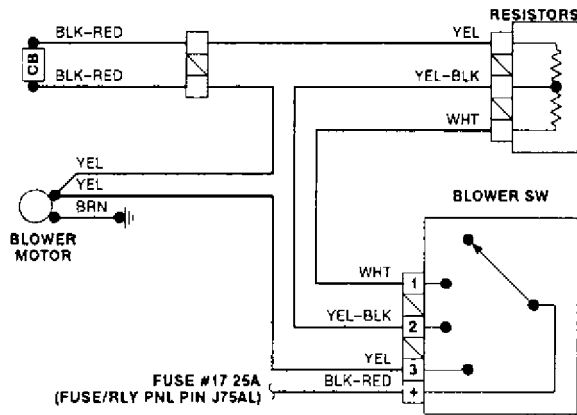


Fig. 6: Heater System Wiring Diagram (Fox)

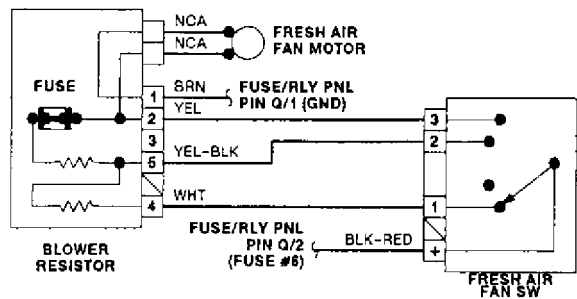


Fig. 7: Heater System Wiring Diagram (Golf GL, GTI, Jetta & Jetta GLi)

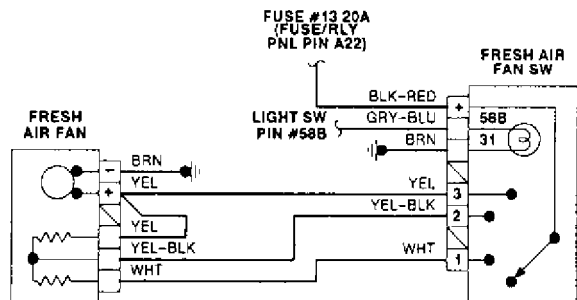


Fig. 8: Fresh Air Blower Motor Wiring Diagram (Vanagon)

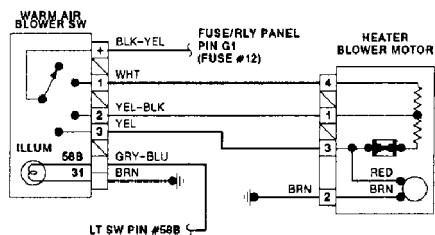


Fig. 9: Warm Air Blower Motor Wiring Diagram (Vanagon)

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