

**Haynes**
shows you how

BMW 3-Series and Z4 (99-05) Includes 2006 325ci/330ci Coupe and Convertible models Haynes Online Manual.

9 Heating and ventilation system - general information

1 The Integrated Heating Cooling Climate Control (IHKA) system offers efficient cooling and heating operation in manual and automatic modes.

2 Heating and air conditioning functions are selected using the center console mounted control panel. The control unit controls the electrically operated door flap valves to deflect and mix the air flowing through the various parts of the heating/ventilation system. The flap valves are contained in the air distribution housing, which acts as a central distribution unit, passing air to the various ducts and vents.

3 Cold air enters the system through the grille at the rear of the engine compartment. An in-cabin filter is installed in the air inlet to filter out dust, spores and soot from the incoming air.

4 The airflow, which can be boosted by the blower, then flows through the various ducts, according to the settings of the controls. Stale air is expelled through ducts at the rear of the vehicle. If warm air is required, the cold air is passed through the heater core, which is heated by the engine coolant.

5 If necessary, the outside air supply can be closed off, allowing the air inside the vehicle to be recirculated. This can be useful to prevent unpleasant odors entering from outside the vehicle, but should only be used briefly, as the recirculated air inside the vehicle will soon deteriorate.

6 Certain models are equipped with rear window defogger systems that are integrated into the programming functions of the IHKA system. The temperature is regulated automatically by a sensor and can be set at different levels, controlled by switches on the instrument panel.

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