# Important information for installation

**Retrofit solutions for BMW and Mercedes-Benz**

In order to ensure that Eberspächer retrofit solutions cover the widest possible range of vehicles, we will be offering a pre-heater blower control box compatible with virtually all current BMW and some Mercedes-Benz models. The barrier to providing this previously was the in-vehicle communication.

Eberspächer is offering a build-in variant for retrofitting pre-heaters in BMW and Mercedes-Benz passenger cars:

Blower control box + vehicle-specific circuit diagram

No installation recommendations are provided with this variant. Installation is carried out with the aid of the new blower control box and a vehicle-specific fan control circuit diagram.

Parts needed for installation:

- ✓ **Heater**
- ✓ **Universal installation kit**
- ✓ **Upgrade kit for water circuit if required**
- ✓ **Control element**
- ✓ **Upgrade kit with blower control box**
- ✓ **Vehicle-specific fan control circuit diagram (PDF)**

Fitting the heater and the exhaust and combustion air ducting requires no specific installation documentation; nor do the water circuit routing and the fuel supply. Control of the vehicle fan is carried out with the aid of the vehicle-specific circuit diagram. The inclusive instructions contain all the important installation and operating information, plus the technical specifications for the blower control box.

The list below tells you which vehicle models can be retrofitted with an Eberspächer pre-heater using a blower control box and vehicle-specific circuit diagram, without installation recommendations and vehicle-specific installation kit.

| ***Make*** | ***Model*** | ***Air conditioning*** | ***Installation note*** |
|---|---|---|---|
| BMW | 1 Series (E81, E82, E87, E88) | Heating control,<br>1-zone AC system,<br>2-zone automatic AC | Engine disconnect* |
| BMW | 1 Series (F20, F21) | 1-zone AC system,<br>2-zone automatic AC | Engine disconnect* |
| BMW | 3 Series (E90,E91,E92,E93) | Heating control,<br>1-zone AC system,<br>2-zone automatic AC | Engine disconnect* |
| BMW | 3 Series (F31, F31) | 1-zone AC system,<br>2-zone AC system | Engine disconnect* |
| BMW | 5 Series (E60, E61) | 1-zone AC system,<br>2-zone automatic AC | Engine disconnect* |
| BMW | 5 Series (F10, F11, F18, F07-GT) | 2-zone automatic AC<br>also with expanded area)<br>4-zone automatic AC | Engine disconnect* |
| BMW | 6 Series (E63, E64) | 1-zone AC system,<br>2-zone automatic AC | Engine disconnect* |
| BMW | 6 Series (F12, F13) | 2-zone automatic AC<br>with expanded area | Engine disconnect* |
| BMW | 6 Series (F06-GC) | 4-zone automatic AC | Engine disconnect* |

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|---|---|---|---|
| BMW | 7 Series (F01, F02, F03, F04) | 2-zone automatic AC with expanded area, 4-zone automatic AC | Engine disconnect* |
| BMW | X1 (E84) | 1-zone AC system, 2-zone automatic AC | Engine disconnect* |
| BMW | X3 (F25) | 1-zone AC system, 2-zone automatic AC | Engine disconnect* |
| BMW | X5 (E70) | 1-zone AC system, 2-zone automatic AC, 4-zone automatic AC | Engine disconnect* |
| BMW | X6 (E71) | 1-zone AC system, 2-zone automatic AC, 4-zone automatic AC | Engine disconnect* |
| BMW | X6 Hybrid (E72) | 2-zone automatic AC, 4-zone automatic AC | Engine disconnect* |
| BMW | Z4 (E89) | 1-zone AC system, 2-zone automatic AC | Engine disconnect* |
| Mercedes Benz | A-Class (W176) | 1-zone AC system, 2-zone Thermotronic | Petrol engines: Engine disconnect* |
| Mercedes Benz | B-Class (W246) | 1-zone AC system, 2-zone Thermotronic | Petrol engines: Engine disconnect* |
| Mercedes Benz | C-Class (W204) | 1-zone AC system, 2-zone Thermotronic | Engine disconnect* |
| Mercedes Benz | E-Class (W212) | 1-zone AC system, 2-zone Thermotronic | Petrol engines: Engine disconnect* |
| Mercedes Benz | R-Class (W251) | 2-zone Thermotronic | Engine disconnect* |

**Engine disconnect = The engine's water circuit must be disconnected.* ***Therefore the pre-heater does not pre-heat the engine****. An additional upgrade kit is required for the water circuit.*

The vehicle-specific fan control circuit diagrams for the listed models are available on the Eberspächer Service Portal. Select your model as usual and you will see *a list of parts required for installation*, plus a downloadable circuit diagram (PDF) instead of installation recommendations.

**Customer benefits of the Eberspächer blower control box:**

With both of the above mentioned units, customers need no longer make any manual settings on the vehicle's AC control unit before using the heater, as the blower control box controls the vehicle's fan motor, sets the air ducting to defrost and sets the maximum temperature for the heating.

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