

## Installation instructions

### Cool box with cooling unit

### Scope of delivery 4M8.065.402

Instructions for the cool box with 12-V thermo-electric cooling unit

Edition 01





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# 1 General notes

This document refers solely to the cool box with cooling unit!

Please read and note the **WARNING**, caution and note descriptions before operating the cool box with cooling unit!



## **DANGER!**

*Text with this symbol contains information concerning risks to life and limb.*



## **WARNING**

*Text with this symbol contains information concerning your safety and indicates potential accident and injury risks.*



## **Caution**

*Text with this symbol indicates the risk of damage to your vehicle.*



## **Note**

*Text with this symbol contains additional information.*

**AUDI AG accepts no responsibility for personal injury, property damage or secondary damage caused by failure to comply with these installation instructions.**



## 2 Safety notes

### **DANGER!**

*If there are any visible signs of damage to the cool box or electrical system, it should not be put into operation.*

*Do not store any explosive substances in the device, such as spray cans with propellants.*

*The cooling unit is not suitable for transporting corrosive substances or substances containing solvents.*

### **WARNING**

*When the cooling unit is connected to the vehicle's 12-V socket:*

*Disconnect or switch off the cooling unit when you switch off the engine. Otherwise, the battery may be discharged.*

*When operating the unit while the vehicle is not running, always ensure that your power supply/battery still has sufficient capacity.*

*Disconnect your cooling unit and other electrical consumers from the battery before connecting a quick charger.*

### **WARNING**

**Electrical equipment is not a toy!**

*People (including children) who are not able to use the device safely due to their physical, sensory or mental skills, inexperience or ignorance may not use the appliance without supervision or instruction from a responsible person.*

*Store and use the device out of the reach of children.*

*Children must be supervised to make sure that they do not play with the device.*

*Never pull out the plug of the 12-V socket using the connection cable.*

*If the connecting cable of this device is damaged, it must be replaced by the manufacturer, the manufacturer's customer service department or another qualified person in order to avoid potential hazards.*

### **Caution**

*Repairs to this device must be performed only by skilled personnel. Incorrect repairs can cause considerable damage.*

*Foodstuffs may be stored within the device only in their original packaging or suitable containers.*

*Disconnect the device from the on-board supply:*

- Before cleaning and maintenance
- After every use



## 2.1 Safety information concerning operation of the device

### **DANGER!**

***Never touch uninsulated wire with your bare hands. This instruction applies in particular when working with AC power.***

***Do not use any electrical equipment within the cooling unit apart from equipment recommended by the manufacturer for this purpose.***

***Do not place the device in the vicinity of open flames or other heat sources (heating, strong sunlight, gas ovens, etc.).***

### **WARNING**

***When the cooling unit is connected to the vehicle's 12-V socket:***

***Disconnect or switch off the cooling unit when you switch off the engine. Otherwise, the battery may be discharged.***

***When operating the unit while the vehicle is not running, always ensure that your power supply/battery still has sufficient capacity.***

***Disconnect your cooling unit and other electrical consumers from the battery before connecting a quick charger.***

### **WARNING**

**Risk of overheating!**

***Always make sure that the heat generated during use can be adequately dissipated. Make sure that the device is a sufficient distance away from walls and other objects so that the air can circulate.***

***Make sure that the ventilation openings are not covered.***

***Do not pour liquids or ice into the internal container.***

***Never immerse the device in water.***

***Protect the device and the cable from heat and moisture.***

### **Caution**

***Before commissioning, make sure that the connection cable and plug are dry.***

## 2.2 Intended use

The cooling unit is suitable for cooling or heating food.

The device is suitable for use with:

- ◆ An on-board 12-V power supply in a vehicle (e.g. cigarette lighter), boat or caravan

The device is also suitable for use while camping. The device must not be exposed to rain.

### **Note**

***To ensure safety in the vehicle interior, the cool box must be transported in the vehicle's luggage compartment.***



## 2.3 Technical description

The cooling unit is suitable for mobile use. It can cool items to or keep items at max. 18 °C/64.4 °F below ambient temperature. It can also heat items to or keep items at a maximum of 60 °C/140.0 °F.

Disconnect or switch off the cooling unit when you switch off the engine. Otherwise, the battery may be discharged.

The lighter insulating lid provided can be used as an alternative to the device cover. Note that the insulating lid does not cool or heat.

Cooling is performed by a wear-free Peltier module and heat is dissipated by a fan.

Additional external pockets provide further storage space. Please note that objects stored here will not be cooled or warmed.



### 3 Scope of delivery

**1 - Cooling unit**

- ☐ Removable/replaceable

**2 - Carrying handle**

**3 - Cool box with fabric cover**

**4 - Right-hand side pocket**

**5 - Insulating lid**

- ☐ Removable/replaceable

**6 - Mesh bag**

**7 - Left-hand side pocket**

**8 - Belt fastening loop**

**9 - Shoulder strap**

- ☐ Removable





## 4 Overview of the cooling unit

**1 - 12-V DC cooling unit  
with voltage monitoring**

**2 - Cover**

**3 - Connecting cable/  
connecting plug for  
12-V DC cooling unit**

Plastic cover on the cable with two spare 5-A fuses

**4 - Warm, off and cold  
selector switch**

**5 - Fan**







## 5 General technical data and energy-saving tips

### 5.1 General technical data

Designation	Technical data
Nominal voltage	12 V
Power consumption	47 W(12 V, cooling) 39 W(12 V, heating)
Cooling power:	Max. 18 °C/64.4 °F below ambient temperature
Heating:	Up to max. 60 °C/140 °F
Usable volume:	20 L
Gross volume:	21 L
Gross volume with insulating lid:	24 L
Climate class:	N
Ambient temperature:	+16 °C/60.8 °F up to +32 °C/ 89.6 °F
Noise emissions:	39 dB
Dimensions (L x W x H):	390 x 280 x 430 mm
Weight:	5 kg

### 5.2 Energy-saving tips

- ◆ Select a well-ventilated position, sheltered from direct sunlight.
- ◆ Leave warm food to cool down before cooling it in the device.
- ◆ Do not open the cooling unit more often than necessary.
- ◆ Do not leave the cooling unit open longer than necessary.
- ◆ Clean the lid seal regularly.



## 6 Handling

### 6.1 Using the cool box with the 12-V cooling unit

#### **WARNING**

*Ensure that all objects or goods in the cool box can be cooled or heated to the selected temperature.*

*Ensure that food or drink in glass containers does not cool down too much. When frozen, drinks and liquid foodstuffs will expand. This can destroy glass containers.*

*Ensure that the cooling unit is well ventilated so that extracted heat can be dissipated. Proper functionality cannot be guaranteed otherwise. In particular, the ventilation slots must not be covered.*

*Lift the cool box using only the handle and not using the shoulder strap – risk of tipping!*

#### **Note**

*If the handle is pushed to the rear or the cool box is being carried, the lid is locked. You can open the lid only when the handle is pushed to the front.*

- Place the cool box on a stable surface in the luggage compartment.

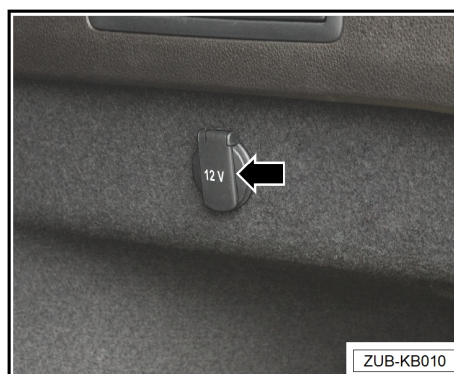
#### **Note**

*To ensure safety in the vehicle interior, the cool box must be transported in the vehicle's luggage compartment.*

- Connect the cool box to the power supply in the vehicle using the 12-V connection cable.

#### **Note**

- ◆ *To do this, use the cigarette lighter or a 12-V socket.*
- ◆ *If you connect the cool box to the cigarette lighter of your vehicle, note that it may be necessary to switch off the ignition to supply the device with power.*
- Firmly close the box by pushing the lid back into place.



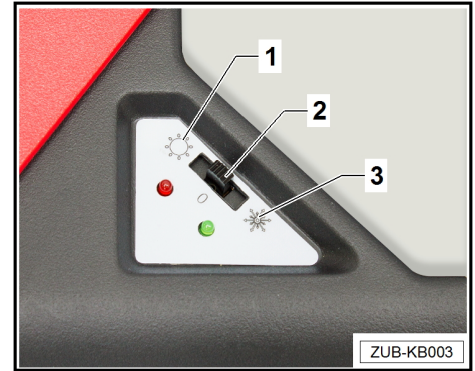


- Slide the switch -2- to the "HOT" position -1- (heating) or to the "COLD" position (cooling) -3- to switch on the cooling unit.

**Note**

*When switching to the required function, the red LED illuminates for "HOT" (heating) and the green LED for "COLD" (cooling).*

- The cool box begins to cool or heat the container.
- To cease operation of the cooling unit, slide the switch to the "OFF" position and pull the connector out of the 12-V socket.



### 6.1.1 Replacing the fuse in the 12-V plug

**WARNING**

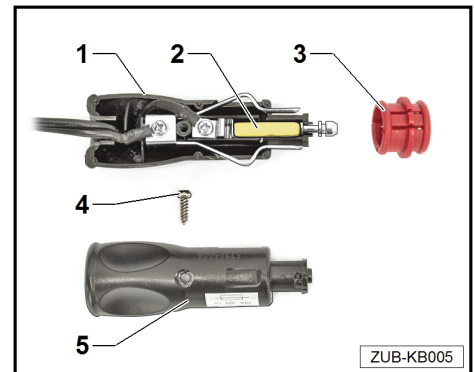
**Before starting the repair, disconnect the connector from the vehicle's on-board supply.**

- Remove the grommet -3- from the 12-V connector housing -1-.
- Unscrew the 12-V connector housing -1-, remove the screw -4- and separate the connector housing.

**Note**

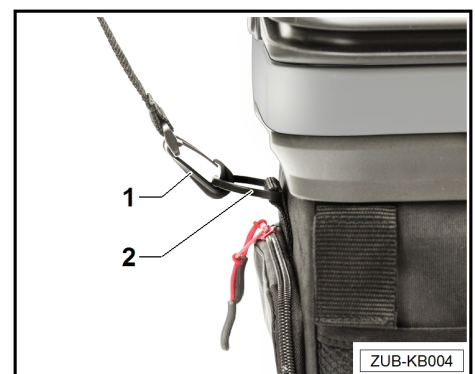
*Open the connector housing carefully – contains small parts!*

- Replace the fuse -2-.
- Reassemble the 12-V connector housing -1- and screw in the screw -4-.
- Tighten the bolt -4- until it is hand-tight.



### 6.1.2 Using the shoulder strap

- There is a clip on each end of the shoulder strap -1-.
- There is a fastening loop -2- on the left-hand and right-hand side of the cool box.
- If you wish to use the shoulder strap, insert the clips -1- into the belt fastening loops -2- on the cool box.





- There is a pocket -1- on each side of the fabric cover for storing personal items or the shoulder strap.



### 6.1.3 Replacing the cover

#### **Note**

- ◆ *You can use the insulating lid as an alternative to the device lid for transportation.*
- ◆ *Please note: The lid is suitable only for keeping items cool or warm and not for active cooling or heating.*
- Pull the cool box handle forwards.
- Open the lid until it is in a vertical position and remove the lid, pulling it upwards.
- Insert the insulating lid with the guide tabs into the slots on the cool box.
- Close the insulating lid again.



## 7 Cleaning and maintenance, warranty, troubleshooting and disposal

### 7.1 Cleaning and maintenance



#### **WARNING**

**Disconnect the device from the on-board power supply before cleaning and maintenance.**



#### **Caution**

**Never clean the cooling unit under running water or even in the sink.**

**Do not use caustic cleaning agents or hard objects to clean the cooling unit as these items could damage the appliance – risk of accident/loss of functionality!**

- Clean the device inside and outside occasionally with a damp cloth.
- Ensure that the ventilation openings in the device are free of dust and dirt so that the heat generated during use can be dissipated and to prevent damage to the device.

### 7.2 Warranty

The statutory warranty period applies. If the product is faulty, please contact your specialist retailer.

To enable repairs and warranty claims to be processed, please enclose the following documents:

- ◆ A copy of the invoice with the date of purchase
- ◆ The reason for the complaint or a description of the fault

### 7.3 Troubleshooting

Fault	Possible cause	Proposed solution
Your cool box is not working (but the connector is plugged in).	There is no power to the 12-V socket (cigarette lighter) in the vehicle.	In most vehicles, the ignition must be switched on for the cigarette lighter to receive power.
	The battery has insufficient charge.	Charge the battery or use a different 12-V power source.
	The internal fan or the cooling element is faulty.	The repair can be performed only by an authorised customer service centre.
Operation via the 12-V socket (cigarette lighter): The ignition is switched on but the cool box does not work. Pull the connector out of the socket and check the items described.	The 12-V socket is dirty, resulting in poor electrical contact.	If the connector of your cool box becomes very warm in the 12-V socket, either the socket needs to be cleaned or the plug may not have been assembled correctly.
	The fuse in the 12-V connector has blown.	Replace the fuse (5-A) of the 12-V connector.
	The vehicle fuse has blown.	Replace the fuse for the 12-V socket in your vehicle (please refer to the operating instructions for your vehicle).



## 7.4 Disposal

- Separate the packaging material as far as possible for recycling.

### **Note**

*If the product is to be permanently decommissioned, please check with your local recycling centre or with your dealer regarding the relevant disposal regulations.*