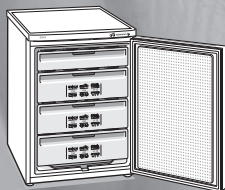




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en Operating instructions



BOSCH

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Information concerning disposal

Disposal of packaging

The packaging protects your appliance from damage during transit. All packaging materials are environmentally friendly and recyclable. Please contribute to a better environment by disposing of packaging materials in an environmentally-friendly manner.

Please ask your dealer or inquire at your local authority about current means of disposal.

Disposal of your old appliance

Old appliances are not worthless rubbish! Valuable raw materials can be reclaimed by recycling old appliances.



This appliance is labelled in accordance with European Directive 2002/96/EG concerning used electrical and electronic appliances (waste electrical and electronic equipment - WEEE). The guideline determines the framework for the return and recycling of used appliances as applicable throughout the EU.

Warning

Redundant appliances:

1. Pull out the mains plug.
2. Cut off the power cord and discard with the mains plug.

Refrigerators contain refrigerants and the insulation contains gases. Refrigerant and gases must be disposed of properly. Ensure that tubing of the refrigerant circuit is not damaged prior to proper disposal.

Safety and warning information

Before you switch ON the appliance

Please read the operating and installation instructions carefully.

They contain important information on how to install, use and maintain the appliance.

Keep all documentation for subsequent use or for the next owner.

Technical safety

- This appliance contains a small quantity of environmentally-friendly but flammable R600a refrigerant. Ensure that the tubing of the refrigerant circuit is not damaged during transportation and installation. Leaking refrigerant may cause eye injuries or ignite.

If damage has occurred

- Keep naked flames and/or ignition sources away from the appliance.
- Thoroughly ventilate the room for several minutes.
- Switch off the appliance and pull out the mains plug or switch off the fuse.
- Notify customer service.

The more refrigerant an appliance contains, the larger the room must be. Leaking refrigerant can form a flammable gas-air mixture in rooms which are too small.

The room must be at least 1 m³ per 8 g of refrigerant. The amount of refrigerant in your appliance is indicated on the rating plate inside the appliance.

- Only customer service may change the power cord and carry out any other repairs. Improper installations and repairs may put the user at considerable risk.

Important information when using the appliance

- Never use electrical appliances inside the appliance (e. g. heaters, electric ice makers, etc.). **Risk of explosion!**
- Never use a steam cleaner to defrost or clean the appliance. The steam may penetrate electrical parts and cause a short-circuit.
Risk of electric shock!
- Do not use pointed or sharp-edged implements to remove frost or layers of ice.
You could damage the refrigerant tubing. Leaking refrigerant may ignite or cause eye injuries.
- Do not store products which contain flammable propellants (e. g. spray cans) or explosive substances in the appliance. **Explosion hazard!**
- Do not stand or support yourself on the base, drawers or doors, etc.
- Before defrosting or cleaning the appliance, switch off the appliance, pull out the mains plug or switch off the fuse.
Pull on the mains plug, not on the power cord.
- Bottles which contain a high percentage of alcohol must be sealed and stored in an upright position.
- Keep plastic parts and the door seal free of oil and grease. Otherwise, parts and door seal will become porous.
- Never cover or block the ventilation openings for the appliance.

- People who have limited physical, sensory or mental abilities or inadequate knowledge must not use this appliance unless they are supervised or given meticulous instructions.
- Do not store bottled or canned drinks (especially carbonated drinks) in the freezer compartment. Bottles and cans may explode!
- Never put frozen food straight from the freezer compartment into your mouth.
Risk of low-temperature burns!
- Avoid prolonged touching of frozen food, ice or the evaporator pipes, etc.
Risk of low-temperature burns!

Children in the household

- Keep children away from packaging and its parts. Danger of suffocation from folding cartons and plastic film!
- Do not allow children to play with the appliance!
- If the appliance features a lock, keep the key out of the reach of children.

General requirements

The appliance is suitable

- for freezing food,
- for making ice.

The appliance is designed for domestic use.

The appliance has been interference-suppressed in compliance with EU Directive 89/336/EEC.

The refrigerant circuit has been tested for leaks.

This product complies with the relevant safety regulations for electrical appliances (EN 60335/2/24).

Positioning

Installing the appliance

The appliance should be installed in a dry, well ventilated room, but not exposed to direct sunlight and not placed near a heat source, e.g. a cooker, radiator, etc. If installation next to a heat source is unavoidable, use a suitable insulating plate or comply with the following minimum distances to a heat source:

3 cm to electric or gas cookers.
30 cm to an oil or solid-fuel cooker.

If installing the appliance next to another refrigerator or freezer, ensure that there is a gap of at least 2 cm between the appliances to prevent condensation.

Installation under a worktop

Fig. 1

Do not install hotplates above the appliance!

Do not remove the worktop frame!

Appliance ventilation

A ventilation cross-section of minimum 160 cm² is necessary for installation below a worktop. For this purpose, a vent measuring about 500 x 60 mm is required, which is available from DIY shops or specialist retailers.

- Mark the cut-out for the vent on the worktop centric to the appliance.
- Max. distance to wall 83 mm
- Note width “B” of the wall connection rail!
- Saw out the cutout. Chamfer the underside by approx. 4 mm.
- Insert and attach the ventilation grille.

Note

The vent is not required when the distance between the worktop and appliance is more than 5 cm.

Aligning the appliance

Fig. 2

The appliance must be level. If the floor is uneven, use the front height-adjustable feet.

Changing over the door hinges

⚠ Warning

While changing over the door hinges, ensure that the appliance is not connected to the power supply. Pull out the mains plug beforehand. Tilt back the appliance (if required, place packaging material, etc. underneath).

Figure 3

The door hinges can be changed over if required by the installation location.

Proceed in numerical sequence.

Getting to know your appliance

Please fold out the illustrated last page. These operating instructions refer to several models.

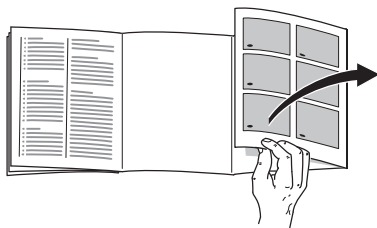


Fig. 4

1-5 Fascia

6 On/Off switch

7 Light*

8 Freezer tray*

9 Freezer shelf

10 Freezer drawer

11 Frozen-food calendar*

12 Height-adjustable feet

13 Condensation outlet

*not all models

Fascia

Fig. 5

1 Temperature selection button

The freezer compartment temperature can be set from -16°C to -32°C .

Hold down the button or press until the desired temperature display lamp illuminates.

2 Temperature display lamp

The figures next to the temperature display lamps indicate freezer compartment temperatures in $^{\circ}\text{C}$. The lit lamp indicates the selected temperature.

The lamp flashes if the selected temperature has still not been reached.

3 Alarm button

Used to switch off the warning signal.

The warning signal switches on if the freezer compartment is too warm, i.e. the frozen food is at risk of thawing. The warning signal may switch on without any risk to the frozen food

- when the appliance is switched on
- when large quantities of fresh food are placed in the appliance,
- if the freezer compartment door is open too long.

When the warning signal switches off, the "acoustic warning" is automatically reset to standby when the freezer compartment has reached its operating temperature again or when the door has been closed.

4 Alarm display

illuminates at the same time as the warning signal is emitted, i.e. if the freezer compartment is too warm.

The "alarm" display goes out, when the freezer compartment has reached its operating temperature.

Press the button 3 to stop the display from flashing.

The display is reset to standby.

5 Fast freezing button

Switches super freezing on and off.

When the light is on, super cooling has started.

Note ambient temperature and ventilation

The climatic class can be found on the rating plate. It specifies the ambient temperatures at which the appliance may be operated. The rating plate can be found inside the appliance at the bottom left-hand side.

Climatic category	Permitted ambient temperature
SN	+10 °C to 32 °C
N	+16 °C to 32 °C
ST	+16 °C to 38 °C
T	+16 °C to 43 °C

Ventilation

Fig. 6

The air at the back of the appliance will heat up. This warm air must be allowed to freely escape, otherwise the refrigerating machine must perform more. This raises electricity consumption. Hence, the air-inlet and outlet apertures should never be covered or blocked off!

Connecting the appliance

After installing the appliance, wait at least ½ hour before switching on the appliance. During transportation the oil in the compressor may have flowed into the refrigeration system.

Before switching on the appliance for the first time, clean the interior (see Cleaning).

The socket should be freely accessible. Connect the appliance to 220–240 V/50 Hz alternating current via a correctly installed earthed socket. The socket must be fused with a 10-A to 16-A fuse.

If the appliance is to be operated in a non-European country, check on the rating plate whether the indicated voltage and current type correspond to the values of your mains supply. The rating plate is situated in the bottom left-hand side of the appliance. The mains connection cable may be replaced by an electrician only.

Warning

Never connect the appliance to electronic energy saver plugs or to power inverters which convert the direct current to 230 V alternating current (e.g. solar equipment, power supplies on ships).

Switching on the appliance

Fig. 5

Press the **On/Off switch 6**.

First, open the door – the main switch is situated under the fascia (on the right next to the light).

–18 °C temperature display lamp flashes. “alarm” display **4** illuminates. The appliance starts refrigerating.

Selecting the temperature

The freezer compartment temperature has a factory setting of –18 °C.

The set values can be changed, see Description of control panel: **Fig. 5/1** Temperature selection button.

Operating tips

- When the freezer compartment has reached its operating temperature, the “Alarm” display 5 extinguishes.
- The end sides of the housing are sometimes moderately heated. This prevents condensation from forming around the door seal.
- If after closing the freezer compartment, the door cannot be opened immediately, wait for two or three minutes until the suction pressure has adjusted itself.
- The refrigeration system may cause the freezer grilles to frost over quickly in some places. This has no influence on function or consumption of power. Defrosting is only necessary if frost or ice has formed to a thickness of more than 5 mm over the entire surface of the freezer grille.

Fittings

not on all models

Frozen-food calendar

Fig. 7

To avoid the quality of the frozen food being diminished, it is important that the allowable storage duration is not exceeded. The storage duration depends on the type of the frozen food. The values next to the symbols represent the permissible storage duration for the respective frozen food in months. In the case of oven-ready frozen meals which are available in stores, the production date or the “Best Before” date should be observed.

Ice block

Fig. 8

(not all models; if enclosed, quantity may vary.)

If a power failure or malfunction occurs, the ice blocks can be used to slow down the thawing process. The ice blocks can also be used to cool food temporarily, e.g. in a cold bag.

Making ice cubes

Fig. 9

Fill the ice-cube tray $\frac{3}{4}$ full of water and place in the bottom of the freezer compartment. If the ice-cube tray is stuck to the freezer compartment, dislodge with a blunt implement only (spoon handle).

To loosen the ice cubes, hold the tray briefly under running water or twist the tray slightly.

Freezing and storing frozen food

Buying frozen food

The packaging must not be damaged.

Note the sell-by date.

The temperature in the supermarket freezer should be -18°C or lower.

Transport the frozen food in an insulating bag, where possible and put it quickly into the freezer compartment.

Storing frozen food

- To ensure good air circulation in the appliance, insert the freezer drawers all the way.
- If a large quantity of food is to be placed in the freezer compartment, the food can be stacked directly on the wire shelves in the two middle compartments. To do this, pull out the freezer drawers all the way, lift at the front and remove **Fig. 10**.

Max. freezer capacity

Food should be frozen right through as quickly as possible. Only in this way are vitamins, nutritional values, appearance and taste retained. Therefore, you should not exceed the maximum freezing capacity of your appliance.

Freezing capacity

Information about the max. freezing capacity within 24 hours can be found on the rating plate.

The max. freezing capacity is reached on the freezer shelves of the upper two compartments.

Freezing fresh food

Freezing food yourself

If you are freezing food yourself, use only fresh, undamaged food.

The following foods are suitable for freezing:

Meat and sausage products, poultry and game, fish, vegetables, herbs, fruit, cakes and pastries, pizza, ready meals, leftovers, egg yolk and egg-white.

The following foods are not suitable for freezing:

Eggs in shells, soured cream and mayonnaise, green salads, radishes and onions.

Blanching vegetables and fruit

To retain colour, flavour, aroma and vitamin C, vegetables and fruits should be blanched prior to freezing. Blanching is the brief immersion of vegetables and fruit in boiling water. Literature on freezing and blanching is available in bookshops.

Storing food in the appliance

Food which is already frozen must not come into contact with the food which is to be frozen. If required, move the frozen food to the freezer drawers.

When fresh food is frozen, the temperature in the freezer compartment can increase to the extent that the red indicator light illuminates, **Fig. 5/4**. However, the food which is already frozen is not at risk of thawing. After 24 hours at the latest the set temperature is reached again.

To prevent food from thawing in the event of a power failure or a fault, place ice blocks directly on the food in the top compartment.

Usable capacity

Information on the usable capacity can be found inside your appliance on the rating plate.

Packing the food

Pack the food in separate portions which suit the day-to-day needs of your household. Divide vegetables and fruit into portions no heavier than 1 kg and meat into portions up to 2.5 kg. Smaller portions freeze more quickly and retain their quality better during defrosting and cooking.

To retain the flavour and prevent the food from drying out, wrap the food airtight.

Suitable for packing are:

plastic film, polythene tube-film, aluminium foil and freezer tins. These products can be bought at a specialist outlet.

Unsuitable are:

wrapping paper, greaseproof paper, cellophane, refuse bags and used shopping bags.

Place the food in the wrapping, squeeze out all air and seal the wrapping well.

Suitable for sealing are:

elastic bands, plastic clips, string, cold-resistant tape or such like. Bags and tube-film of polythene may be sealed with a film sealer.

Before placing the food in the freezer compartment, mark each freezer packet with the contents and the date on which it was inserted.

Allow hot food and drinks to cool to room temperature before placing them in the freezer compartment.

Fast freeze

Several hours before placing fresh food in the freezer compartment, switch on "fast freeze".

4–6 hours is usually adequate. If the max. freezing capacity is used, 24 hours are required. Smaller quantities of food can be frozen without "Fast freeze". To switch on "Fast freeze", simply press the "Fast freeze" button **Fig. 5/5**.

"Fast freeze" switches off automatically after 2½ days at the latest.

Defrosting frozen produce

Depending on the type of food and intended use, frozen produce can be defrosted:

- At room temperature,
- In a refrigerator,
- In an electric oven, with/without fan assisted hot-air,
- In a microwave

Note

Do NOT refreeze food which is beginning to defrost or which has already defrosted. Only food which is subsequently prepared (cooked or fried) may be refrozen.

No longer store the frozen produce for the max. storage period.

Switching off and disconnecting the appliance

Fig. 5

Press the **On/Off switch 6** (red circle is visible).

First, open the door – the main switch is situated under the fascia (on the right next to the light).

Temperature display light goes out.
Refrigeration and light have switched off.

Disconnecting the appliance

If the appliance is not used for a prolonged period:

1. Switching off the appliance.
2. Pull out the mains plug or switch off the fuse.
3. Cleaning the appliance.
4. Leave the appliance door open.

Defrost and clean the freezer compartment

⚠ Risk of electric shock

NEVER use a steam cleaner. If live components come into contact with condensing steam, they may short-circuit or cause an electric shock.

⚠ Explosion hazard

Defrosting sprays may form explosive gases and/or contain solvents or propellants which corrode plastic and/or may be a health hazard.
Follow the manufacturer's instructions.

⚠ Warning

Do not remove the frost with a knife or other sharp object. Be careful not to damage the refrigerant circulation pipes. Ejecting refrigerant can ignite itself or lead to damage to the eyes.

Do NOT place any electric appliances or naked flames in the appliance.

Notes

Large accumulations of ice or hoar-frost on the freezer grids impede the efficiency of the appliance and cause the rate of energy consumption to increase.

If the layer of frost is greater than 5 mm then the appliance should be defrosted. In any case it should be done at least once or twice a year. Most appropriately when there is very little or no frozen food in the freezer.

Procedure

- Switch the appliance off and remove the mains plug.
- Store the freezer drawers and the food in a cool location. Place the ice block (if enclosed) on the food.
- Empty the top frozen food bin and place it directly under the drainage outlet to collect the thaw water. **Fig. 11**
- To speed up the defrosting process place two saucepans with hot water on a base in the appliance.
- When the freezer compartment has defrosted, empty the water which has collected in the freezer tray. Mop up any water in the bottom of the freezer compartment with a sponge.
- Clean with water and a little detergent.
- Switch on the appliance.
- Put the frozen food back into the freezer compartment.

Warning

Do NOT use abrasive or acidic cleaning agents or solvents.

Clean the door seal with water only and dry thoroughly.

No water should be allowed into the control panel during cleaning.

Important care information for stainless steel appliances

Use “Chromol” cleaning agent for cleaning stainless steel surfaces.

This cleaning agent is available on the market under the name “Chromol” or from your customer service under

ident-no. 310359 as a 500 ml spray can or under

ident-no. 166787 as a 50 ml trial can.

To prevent damage to the surfaces, under no circumstances use abrasive sponges, metal brushes, sharp-edged implements or scouring agents. Chemically aggressive cleaning agents, such as defrosting sprays, oven sprays, solvents or stain removers must not be used either.

The stainless steel surface should be cleaned in the direction of the grain.

How to save energy

- Install the appliance in a dry, well ventilated room, but not in direct sunlight and not near a heat source (e.g. radiator, cooker, etc.). If required, use an insulating plate.
- Do not block the ventilation openings in the appliance.
- Allow warm food to cool down before placing it in the freezer.
- When thawing frozen food, place it in the refrigerator compartment. The low temperature of the frozen food will then cool the food in the refrigerator compartment.
- Defrost the appliance when ice forms. A thick layer of ice impairs refrigeration of the frozen food and increases the power consumption.
- When loading or unloading the freezer, open the appliance door as briefly as possible.
The briefer the appliance door is opened, the lower the ice formation on the freezer shelves.
- To prevent the food from warming up quickly in the event of a power failure or malfunction, take ice blocks from the freezer tray and place them in the top compartment directly on the food.

Operating noises

Normal noises

Humming – refrigerating unit is running.

Bubbling, gurgling or whirring noises – refrigerant is flowing through the tubing.

Clicking – motor is switching on or off.

Preventing noises

The appliance is not level

Please align the appliance with a spirit level. Use the height-adjustable feet or place something under the feet.

The appliance is not free-standing

Please move the appliance away from adjacent units or appliances.

Drawers or storage areas wobble or stick

Please check the removable parts and, if required, reinsert them.

Bottles or receptacles are touching each other

Please move bottles or receptacles away from each other.

Eliminating minor faults yourself

Before you call customer service:

Please check whether you can eliminate the fault yourself based on the following information.

Customer service will charge you for advice, even if the appliance is still under guarantee!

Fault	Possible cause	Remedial action
The light does not function.	The bulb is defective.	Replace bulb Fig. 12/A <ol style="list-style-type: none">1. Pull out the mains plug or disconnect the fuse.2. Change the bulb. (replacement bulb, 220–240 V a.c., E14 lampholder, see defective bulb for wattage).
	Light switch is sticking. Fig. 12/B	Check whether it can be moved.
Temperature differs greatly from the set value.		<p>In some cases it is adequate to switch off the appliance for 5 minutes.</p> <p>If the temperature is too high wait a few hours and check whether the temperature has approached the set value.</p> <p>If the temperature is too low check the temperature again the next day.</p>
Displays do not illuminate.	Power failure; the fuse has been switched off; the mains plug has not been inserted properly.	Check whether the power is on, the fuse must be switched on.

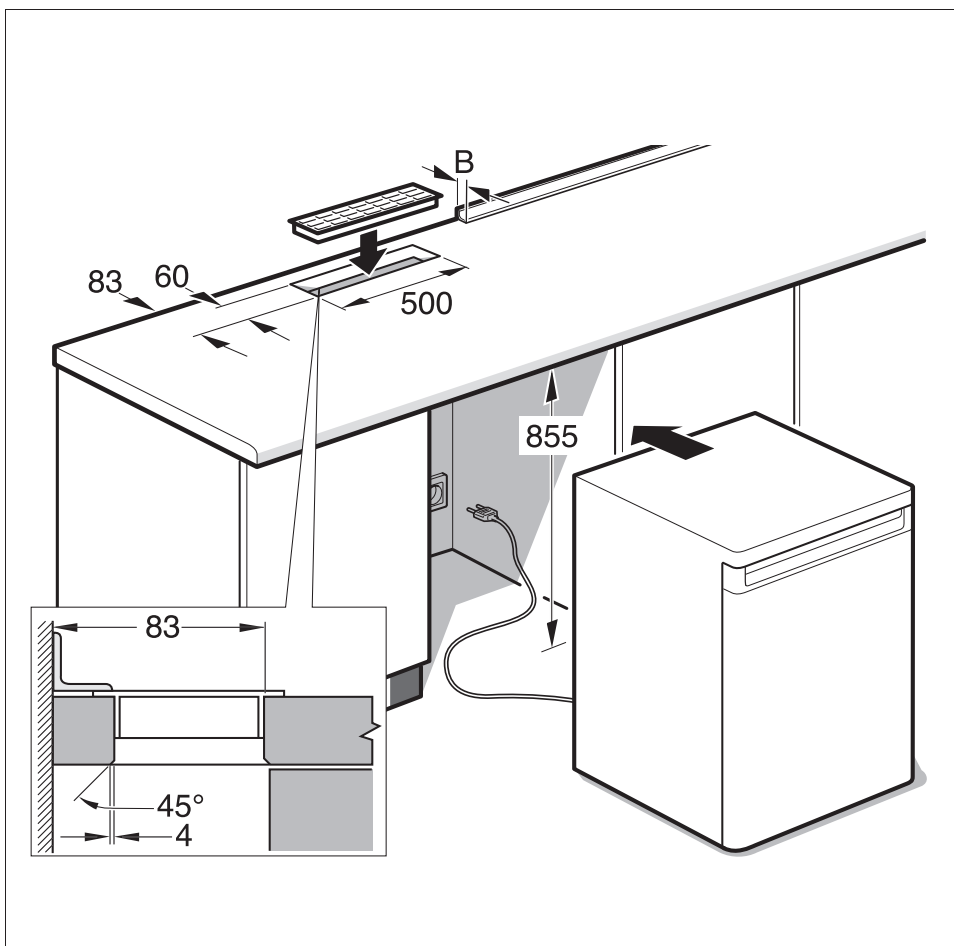
Fault	Possible cause	Remedial action
Alarm display Fig. 5/4 illuminates.	Fault – the freezer compartment is too warm!	
	• Ventilation openings have been covered.	Ensure that there is adequate ventilation.
	• Freezer compartment door is open.	Close the door.
	• Too much food was placed in the freezer compartment at once.	Do not exceed max. freezing capacity.
	When the fault has been eliminated, the indicator light goes out shortly afterwards.	

Customer service

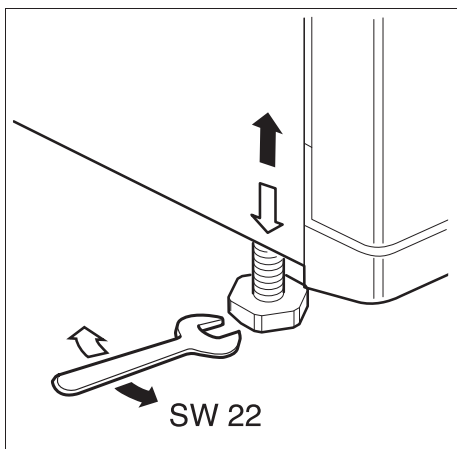
Please check your telephone book or the customer-service list for your nearest customer-service facility. When contacting customer service, please ALWAYS quote the product number (E-number) and production number (FD-number) of your appliance.

These numbers can be found on the rating plate. **Fig. 13**

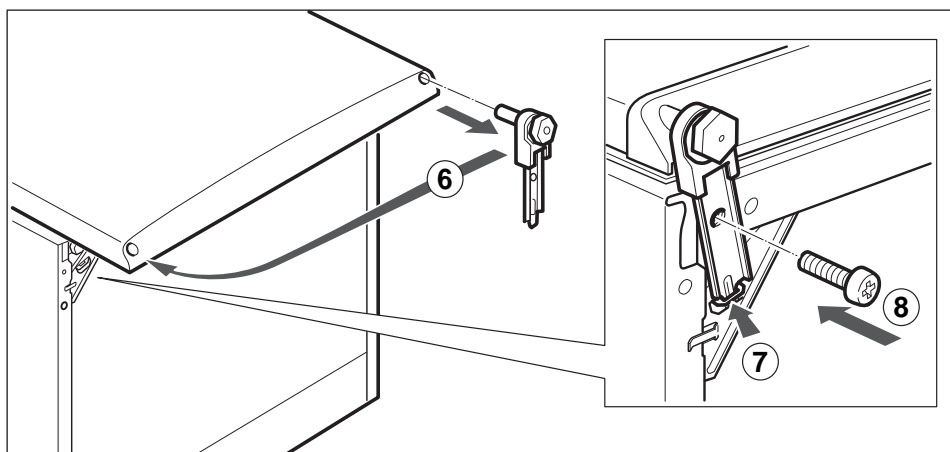
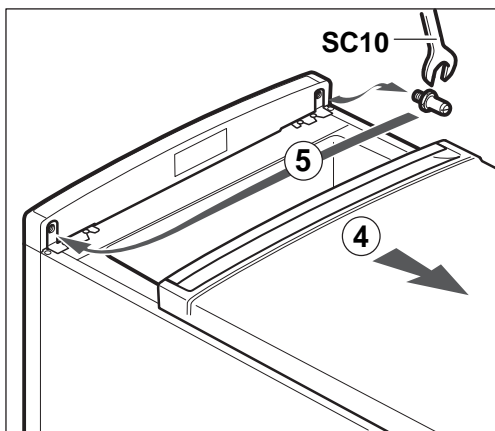
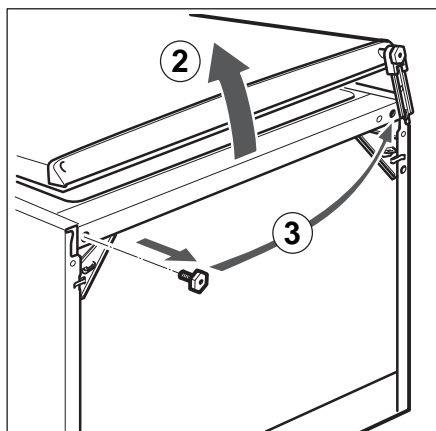
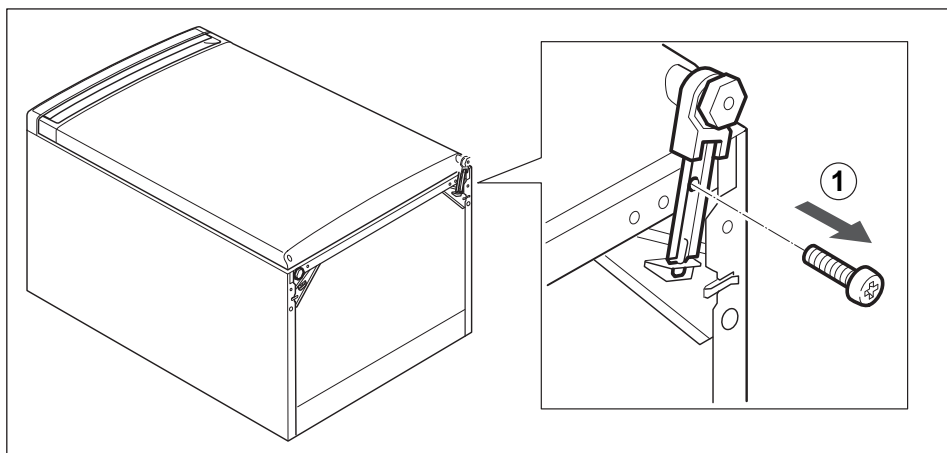
To prevent unnecessary call-outs, please assist customer service by quoting the product and production numbers. This will save you additional costs.

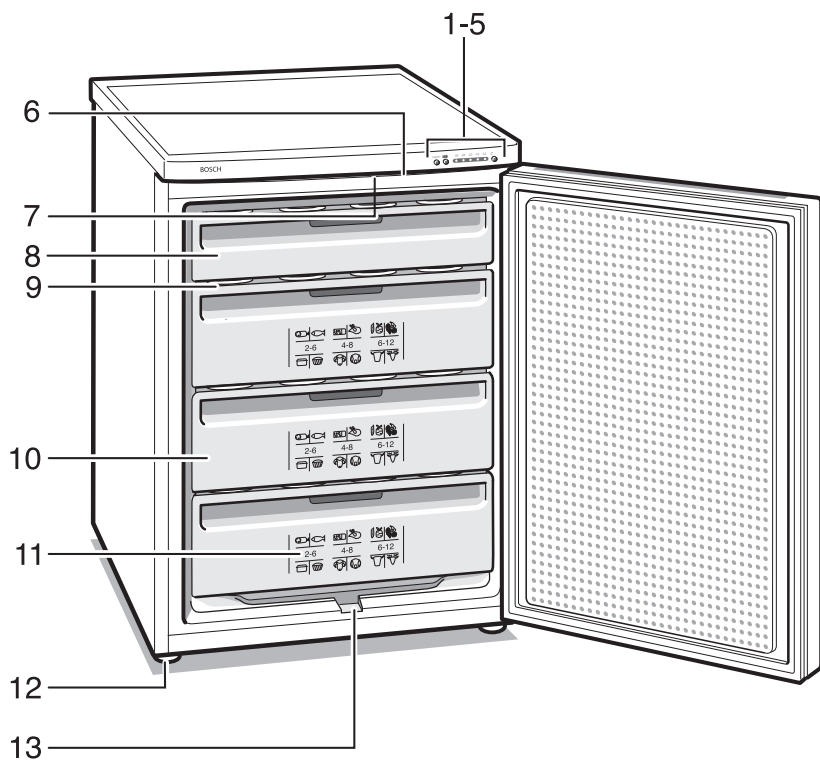


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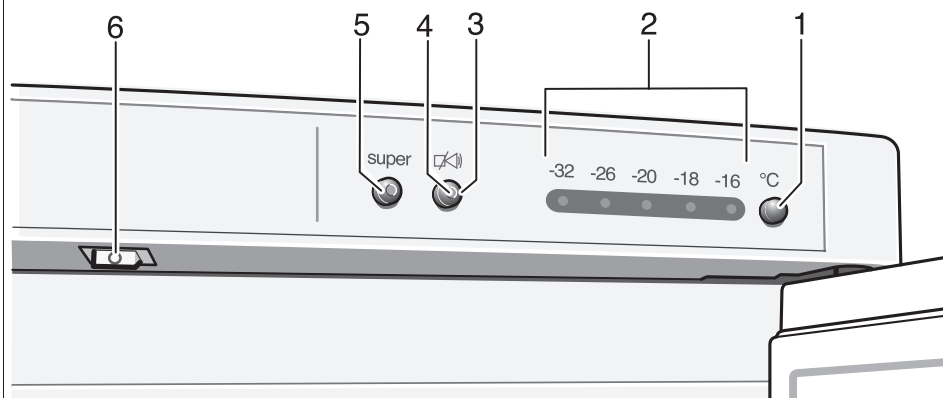


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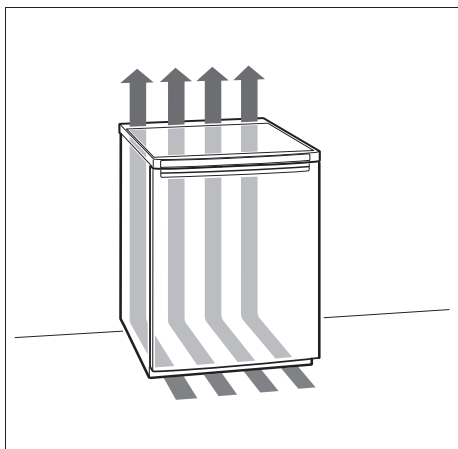




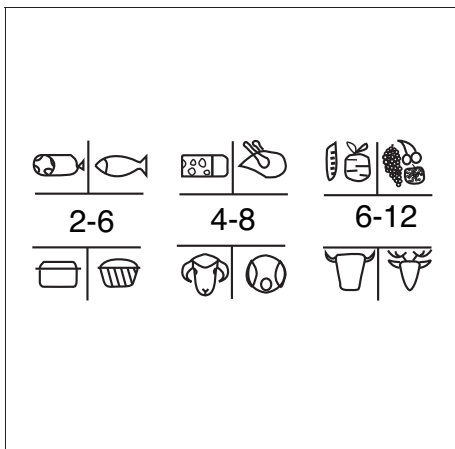
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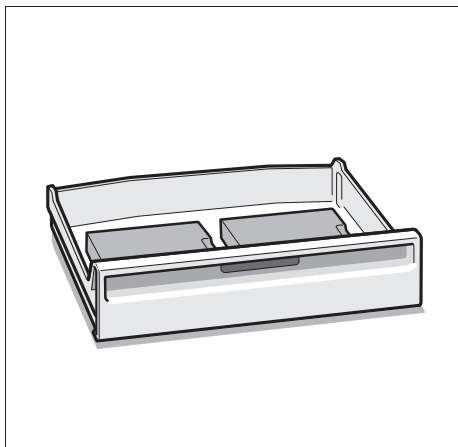
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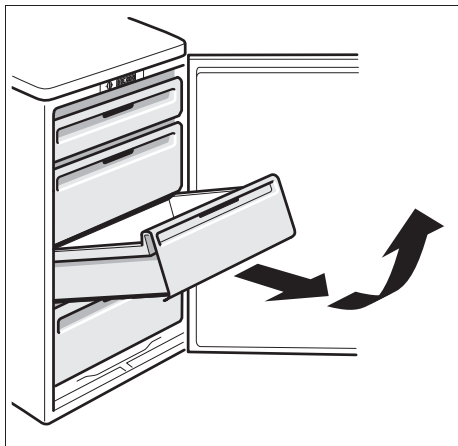
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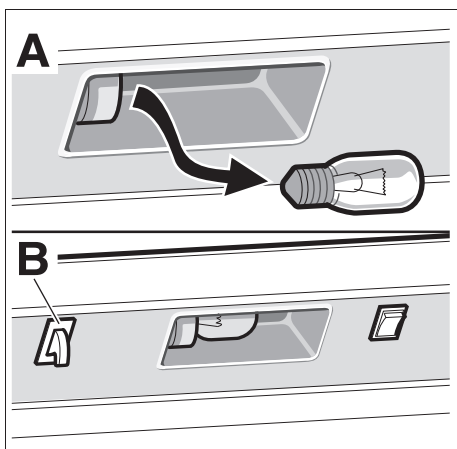
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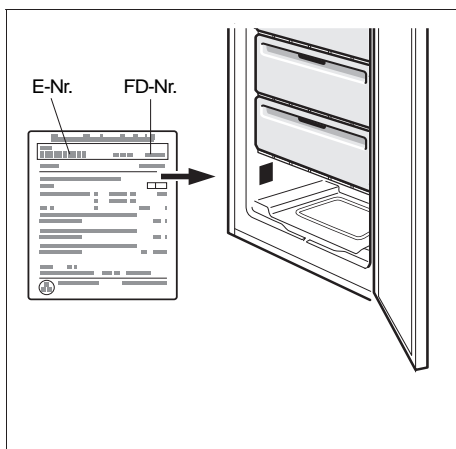
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11



12



13

Bosch Infoteam (Mo-Fr: 8.00-18.00 Uhr erreichbar)

Für Produktinformationen sowie Anwendungs- und Bedienungsfragen:

Tel.: **01805 304050*** oder unter **bosch-infoteam@bshg.com**

*) 0,14 EUR/Min aus dem Festnetz der T-Com, Mobil ggfs. abweichend.

Nur für Deutschland gültig!

Subject to alterations.

