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en Operating instructions



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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 has been identified in accordance with the European directive 2002/96/EG on Waste Electrical and Electronic Equipment – (WEEE).

The directive specifies the framework for an EU-wide valid return and recycling of old appliances.

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.

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 refrigerating and 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).

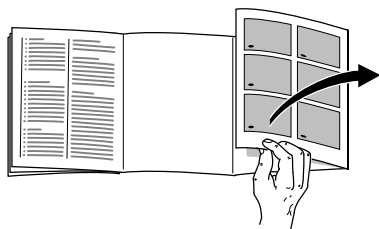
Getting to know your appliance

The fully automatic No Frost (Frost Free) system ensures that no ice is formed inside the appliance. There is no longer any need for defrosting.

How it works:

The food is frozen by a flow of cold air. The evaporator in the No Frost system cools the air inside the appliance. The cold air is circulated by a fan. The moisture in the air condenses on the evaporator which is defrosted fully automatically whenever necessary.

The thawed water is directed to the refrigerating unit where it evaporates. The freezer section and the frozen food inside are kept free from ice.



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

The illustrations may differ.

Fig. 1

* not all models

- 1 Fascia
 - 2 On/Off button
 - 3 Light switch
 - 4 Interior light
 - 5 Pull-out drawer *
 - 6 Shelf in the refrigerator compartment
 - 7 Bottle shelf
 - 8 Fruit and vegetable container
 - 9 Chiller compartment *
 - 10 Ice maker/pizza box *
 - 11 Freezer drawer
 - 12 Freezer shelf
 - 13 Height-adjustable feet
 - 14 Air outlet opening
 - 15 Egg rack
 - 16 Butter and cheese compartment *
 - 17 Tin and bottle holder
 - 18 Shelf for large bottles
 - 19 Activated-carbon filter
 - 20 Ice block/Frozen-food calendar *
-
- A Refrigerator compartment
- B Freezer compartment

Fascia

Fig. 2

1 Alarm button

Is used to switch off the temperature warning signal and door warning signal.

The temperature warning signal switches on if the freezer compartment is too warm.

The door warning signal switches on if the appliance door is left open for longer than half a minute.

The frozen food is at risk of thawing if the lamp on the Alarm button also flashes.

The warning signal may switch on without any risk to the frozen food when:

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

2 Fast freezing button

Switches super freezing on and off.

Before placing large quantities of fresh food (more than 2 kg) in the freezer compartment, switch on "fast freeze".

As a rule, 4–6 hours is adequate. To utilise the maximum freezing capacity, switch on "fast freeze" 24 hours in advance.

After approx. 2½ days the freezer automatically switches back to the temperature set before "fast freeze".

3 Selection button for freezer compartment

The freezer compartment temperature can be set from -24°C to -16°C .

Keep pressing the button until the bargraph has reached the required temperature.

4 Temperature display freezer compartment

The numbers on the bargraph correspond to freezer compartment temperatures in $^{\circ}\text{C}$.

The bargraph indicates the set temperature.

5 Super cooling button

The appliance is on when the button is lit. Super cooling cools the refrigerator compartment as cold as possible for approx. 6 hours. Then the temperature set before super mode is automatically restored.

Switch on super mode, e.g.:

- Before placing a lot of bottles in the refrigerator.
- to cool drinks quickly.

6 Selection button for refrigerator compartment

The refrigerator compartment temperature can be set from $+2^{\circ}\text{C}$ to $+8^{\circ}\text{C}$.

Keep pressing the button until the bargraph has reached the required temperature.

7 Temperature display refrigerator compartment.

The numbers on the bargraph correspond to refrigerator compartment temperatures in $^{\circ}\text{C}$.

The bargraph indicates the set temperature.

Installing the appliance

Install the appliance in a dry, well ventilated room. The installation location should neither be exposed to direct sunlight nor 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 observe the following minimum distances to a heat source:

3 cm to an electric cooker.

30 cm to an oil or solid-fuel cooker.

Appliances with fitted handles must be situated at least 55 mm from the wall on the hinge side so that the door can be opened by 90°.

Room temperature

The climatic class can be found on the rating plate and indicates the ambient temperatures at which the appliance can be operated.

Climatic class	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. 3

The air on the rear panel of the appliance heats up. The warm air must be able to escape. Otherwise, the refrigerator must work harder. This will increase the power consumption.

Therefore: Never cover or block ventilation openings!

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-fuse or higher.

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 power cord may be replaced by an electrician only.

Switching on the appliance

Press the On/Off **Fig. 1/2** button.

Warning signal is emitted. To stop the warning signal, press the Alarm button.

The Alarm button remains lit until the set temperature has been reached.

Selecting the temperature

Keep pressing the temperature selection button for the refrigerator compartment or freezer compartment until the required temperature is indicated on the bargraph.

The factory has recommended and set the following temperatures:

Refrigerator compartment +4 °C

Freezer compartment -18 °C

Perishable food should not be stored warmer than +4 °C.

Energy saving mode

If the appliance is not used for approx. 24 hours, the display on the fascia switches to energy saving mode.

Only the required lamps are lit at reduced luminosity.

As soon as the appliance is in use again, e.g. when the door is opened, the display switches back to normal illumination.

Operating tips

- The fully automatic NoFrost system keeps the freezer compartment and refrigerator compartment free of ice. Defrosting is not required.
- The sides of the housing are sometimes heated slightly. This prevents condensation in the area of the door seal.
- If you cannot open the freezer compartment door immediately after closing it, wait 2–3 minutes until the partial vacuum has equalised.

Usable capacity

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

Interior fittings

not all models

Shelves/containers

If required, you can reposition the interior shelves and containers in the door: Lift the shelf and pull it forwards, lower and swing out to the side. Lift the container and remove.

Drawer for sausage and cheese

Fig. 4

The drawer can be removed for adding and removing food. Lift the drawer and pull out. The drawer holder can be adjusted.

Bottle shelf

Fig. 5

Bottles can be stored securely on the bottle shelf.

Tin holder

Fig. 6

For hooking into the door storage compartment. The tin holder can be repositioned or taken out. To do this, lift the door storage compartment and take out.

Temperature and humidity regulator for vegetable container

Fig. 7

For **long term storage of vegetables**, lettuce and fruit, slide the regulator all the way to the right. Ventilation opening is open – low air humidity – temperature drops.

For **short term storage** slide the regulator to the left. Ventilation opening is closed – high air humidity – temperature rises.

Chiller compartment

Fig. 8

The chiller compartment has lower temperatures than the refrigerator compartment. Even temperatures below 0 °C may occur. Ideal for storing fish, meat and sausage. Not suitable for lettuce and vegetables and produce sensitive to cold.

Ice maker *

Fig. 1/10

1. Remove the ice cube tray, fill $\frac{3}{4}$ full of water and re-insert.
2. When the ice cubes are frozen, rotate the knobs on the ice cube trays several times to the right and release. The ice cubes loosen and fall into the storage container.
3. Remove ice cubes from the storage container

Activated-carbon filter

Fig. 1/19

This filter reduces unpleasant odours in the refrigerator compartment.

Freezer calendar

Fig. 1/20

The figures next to the symbols indicate the permitted storage period of the produce in months. When purchasing frozen produce, observe the date of manufacture or sell-by date.

Ice block

Fig. 9

If a power failure or malfunction occurs, the ice blocks can be used to slow down the thawing process. The longest storage time is obtained by placing the ice block directly on the food in the top compartment.

To save space, the ice block can be stored in the door compartment.

The ice blocks can also be used to cool food temporarily, e.g. in a cold bag.

Arranging food in the appliance

When arranging food, comply with the following:

- Wrap or cover food before placing in the appliance. This will retain the aroma, colour and freshness of the food. Transfer of flavour and discoloration of the plastic parts will also be prevented.
- Allow warm food and drinks to cool down before placing in the appliance!
- Do not block air outlet openings with food in the refrigerator compartment, otherwise the air circulation will be impaired.

Food which is stored directly in front of the air outlet openings may be frozen by the cold air flowing out.

We recommend arranging the food as follows:

- On the shelves in the refrigerator compartment (from top to bottom): cakes and pastries, ready meals, dairy products, meat and sausage
- In the vegetable container: vegetables, salad, fruit.
- In the chiller compartment: Fish, meat and sausage
- In the door (from top to bottom): butter, cheese, eggs, tubes, small bottles, large bottles, milk, juice cartons.
- In the freezer compartment: Frozen food, ice cubes, ice cream

Temperature indicator

(Not all models)

The **temperature indicator indicates temperatures below +4 °C** and is used to determine the required setting of the temperature controller. Depending on the room temperature, set temperature controller between 2 and 3. If a degree-precision setting is possible, set appliance to +4 °C or colder.

After approx. 12 hours, when the temperature has dropped below +4 °C **“OK”** is indicated (if this does not occur, gradually set the temperature colder).



Correct setting



Temperature too high, set temperature colder.

Freezing and storing food

Purchasing deep-frozen food

- Check that the packaging is not damaged.
- Check the sell-by date.
- The temperature of the supermarket freezer should be -18 °C or lower. If not, the storage life of the food is reduced.
- If possible, transport deep-frozen food in an insulated bag and place quickly in the freezer compartment.

Arranging food in the appliance

Preferably freeze large quantities of food in the top compartments where freezing is particular quick and therefore also gentle. Place the food over the whole area of the compartments or the freezer drawers. 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.

Storing frozen food

To prevent poor air circulation in the appliance, do not stack food above the stacking limit (not all models).

- To ensure good air circulation in the appliance, insert the freezer drawers all the way.
- If large quantities of food are to be stored in the freezer, all the freezer drawers (except the bottom one) can be taken out of the appliance and the food stacked directly on the freezer shelves. To remove a freezer drawer, pull out all the way, lift at the front and remove.

Fig. 10

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.

Packing food

1. Place the food in the wrapping.
2. Press out all the air.
3. Seal the wrapping.
4. Label the wrapping with the contents and date.

Suitable packaging:

Plastic film, polyethylene blown film, aluminium foil and freezer tins. These products can be purchased from your dealer.

Unsuitable packaging:

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

The following products are suitable for sealing the wrapped food:

Rubber bands, plastic clips, string, cold resistant adhesive tape or similar. Bags and polyethylene blown film can be sealed with a film sealer.

Fast freezing

To prevent an unwanted temperature rise when placing fresh food in the freezer, press the fast freeze button, several hours before placing fresh produce in the freezer. **Fig. 2/2**

As a rule, 4–6 hours is adequate. If max. freezing capacity is to be utilised, 24 hours are required.

Smaller quantities of food (up to 2 kg) can also be frozen without fast freezing in the fast freeze compartment. **Fig. 1/5**

"Fast freeze" switches off automatically after 2 ½ days at the latest.

Super cooling

Super cooling cools the refrigerator compartment as cold as possible for approx. 6 hours. Then the temperature set before super mode is automatically restored.

Switch on super mode, e. g.:

- Before placing large quantities of food in the refrigerator compartment.
- to cool drinks quickly.

Maximum freezing capacity

In order to retain the vitamins, nutritional values, appearance and food flavour, ensure that the food is frozen as quickly as possible. Do not exceed the max. freezing capacity of your appliance.

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

Thawing frozen food

Depending on the type of food and intended use, frozen produce can be thawed as follows:

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

Note

Do NOT refreeze food which is beginning to thaw or which has already thawed. It can only be refrozen when it has been used to prepare a ready meal (boiled or fried).

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

Switching off and disconnecting the appliance

Switching off the appliance

Press the On/Off **Fig. 1/2** button.

Disconnecting the appliance

If the appliance is not used for a prolonged period:

1. Pull out the mains plug
2. Cleaning the appliance
3. Leave the appliance door open.

Cleaning the appliance

- Pull out the mains plug or remove the fuse.
- Take out the frozen food and store in a cool location. Place the ice block (if enclosed) on the food.
- Clean the appliance with lukewarm water and a little washing-up liquid.
- After cleaning: reconnect and switch on the appliance.

Attention

Do not use abrasive or acidic cleaning agents and solvents.

Clean the door seal with water only and then dry thoroughly.

The cleaning water must not get into the control panel or the light.

- Occasionally clean the rear of the appliance with a vacuum cleaner or paint brush to prevent an increased power consumption.

Tips for saving energy

- Install the appliance in a cool, well ventilated room, but not in direct sunlight and not near a heat source (radiator, cooker, etc.). Otherwise, use an insulating plate.
- Allow warm food and drinks to cool down outside the appliance.
- 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.
- Open the appliance door as briefly as possible.
- Occasionally clean the rear of the appliance with a vacuum cleaner or paint brush to prevent an increased power consumption.

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.

Cracking – automatic defrosting is running.

Noises which can be easily rectified

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 touching adjacent units or appliances

Please move the appliance away from adjacent units or appliances.

Drawers, baskets or storage areas are loose or sticking

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

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
Temperature differs greatly from the set value.		In some cases it is adequate to switch off the appliance for 2 minutes. If the temperature still differs try again after an hour. If the temperature is too high wait a few hours and check whether the temperature has approached the set value. If the temperature is too low check the temperature again the next day.
Light does not function.	The bulb is defective.	Change the bulb: Fig. 11 1. Pull out the mains plug or disconnect the fuse. 2. Change the bulb (replacement bulb max. 15 W, 220–240 V a.c., E14 lampholder).
	Light switch is sticking. Fig. 11/3	Check whether it can be moved.
Display on fascia is lit at reduced luminosity.	If the appliance is not used for approx. 24 hours, the display on the fascia switches to energy saving mode.	As soon as the appliance is used again, e.g. door opened, the display switches back to normal luminosity.
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.

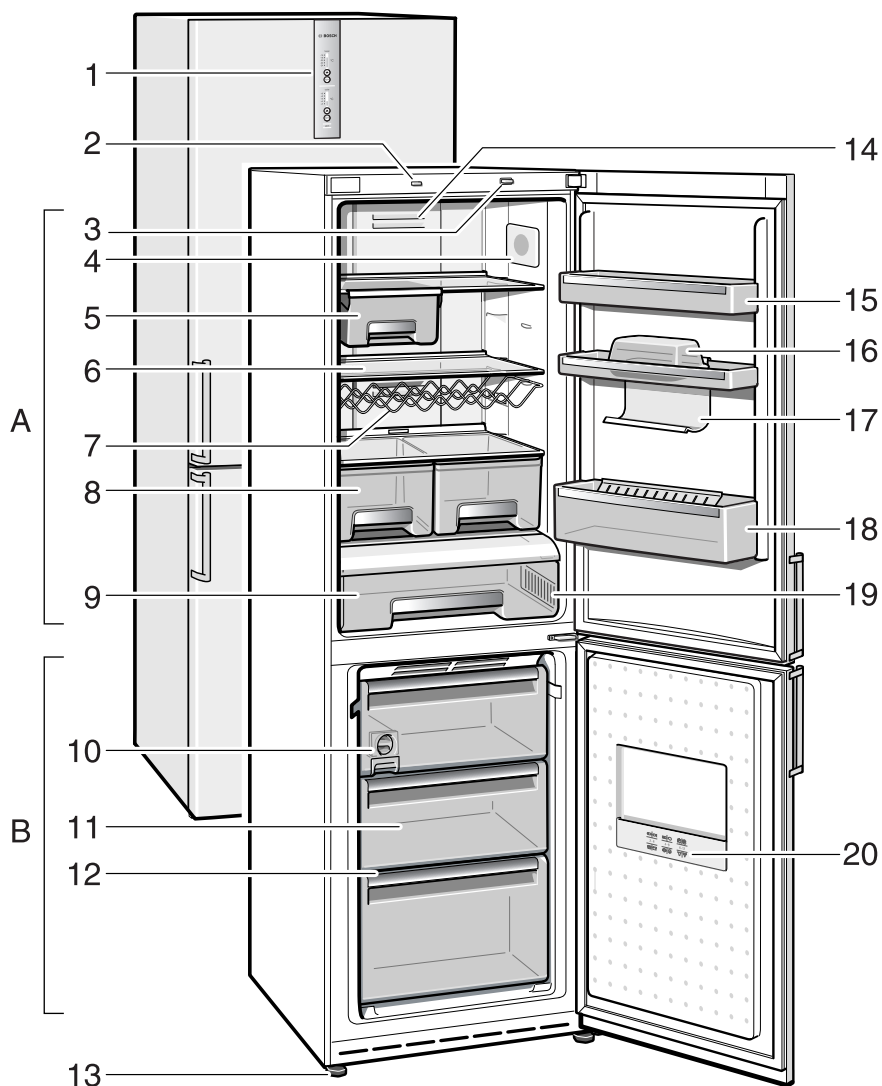
Fault	Possible cause	Remedial action
The temperature in the freezer compartment is too warm.	• Freezer compartment door is open. • The ventilation openings are blocked. • Too much food was placed in the freezer compartment at once.	Close the door. Ensure that there is adequate ventilation. Do not exceed max. freezing capacity.
Freezer compartment door was open for a long time; temperature is no longer reached.	The evaporator (refrigeration generator) in the NoFrost system is covered in thick ice and can no longer be defrosted fully automatically.	To defrost the evaporator, remove the frozen food with the compartments, insulate well and store in a cool location. Switch off the appliance and move it away from the wall. Leave the appliance door open After approx. 20 min. the condensation begins to run into the evaporation pan, Fig. 12 at the rear of the appliance. To prevent the evaporation pan from overflowing in this case, mop up the condensation with a sponge. The evaporator is defrosted when the water stops running into the evaporation pan. Clean the interior. Switch the appliance back on again.

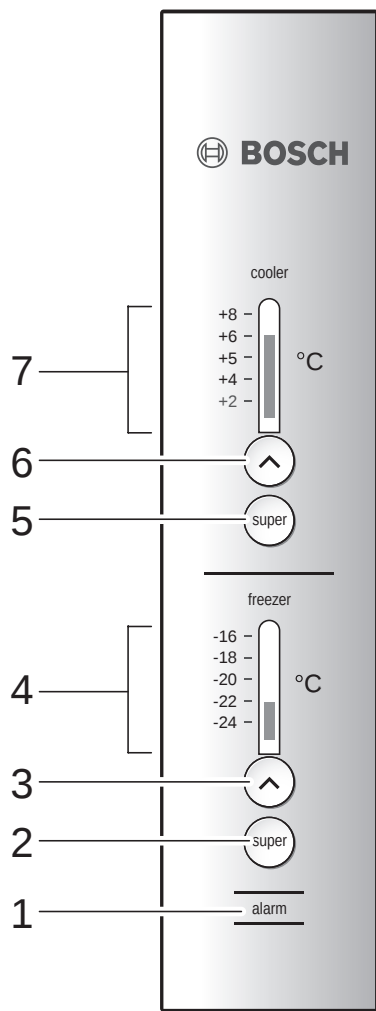
Customer service

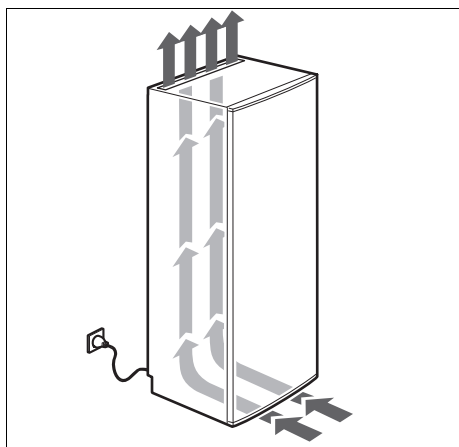
Your local customer service can be found in the telephone directory or in the customer service index. Please provide customer service with the appliance product number (E-Nr.) and production number (FD).

This information can be found on the product label. **Fig. 13**

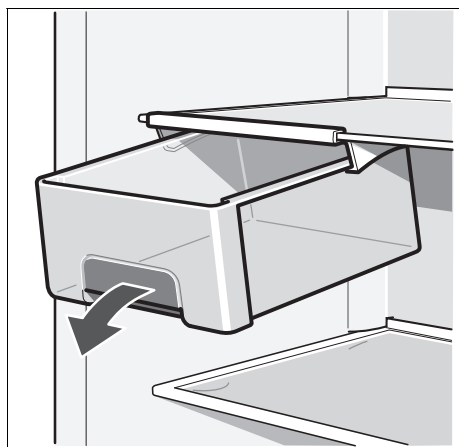
To prevent unnecessary call-outs, please assist customer service by quoting the product and production numbers. This will save you additional costs.



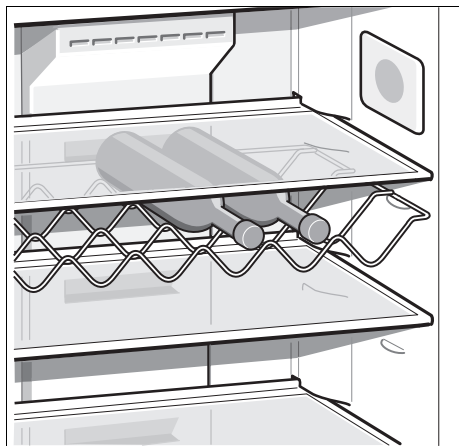




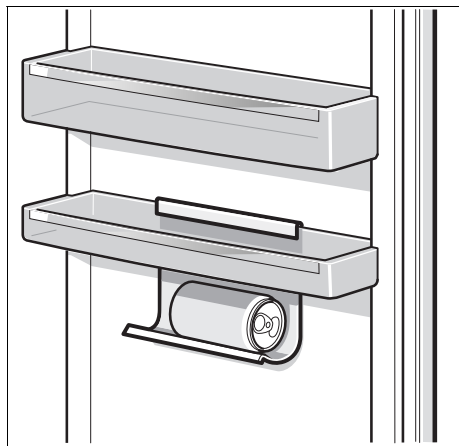
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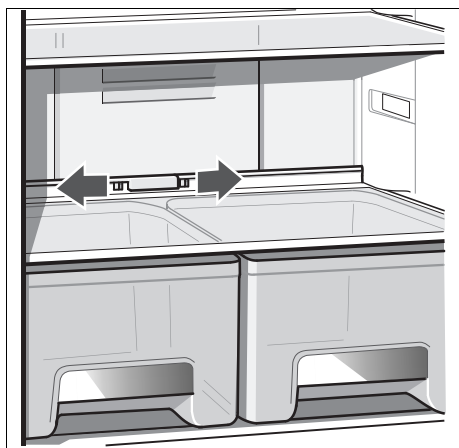
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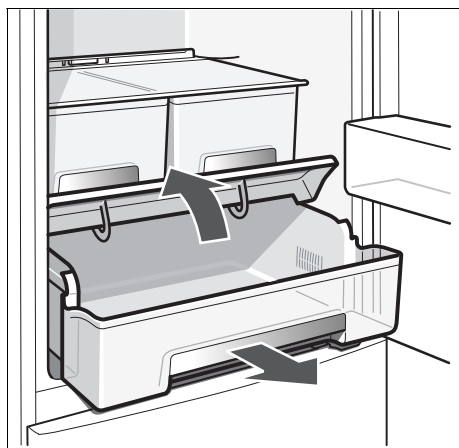
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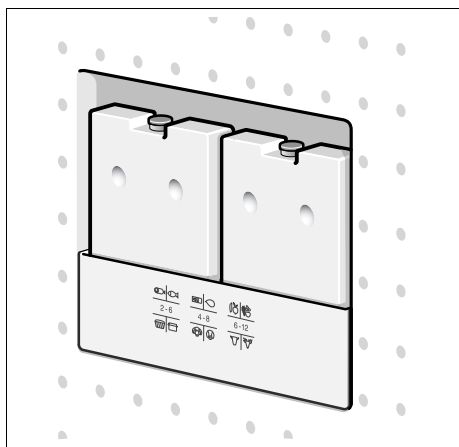
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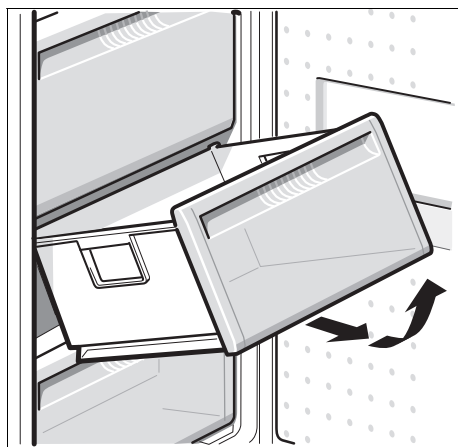
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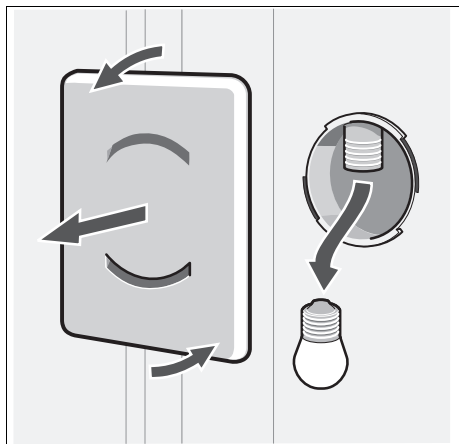
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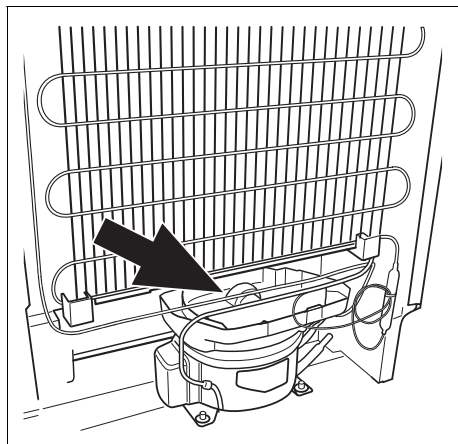
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Bosch Info-Team:
DE Tel. 0180/5 30 40 50 (EUR 0,14/Min. DTAG)

Subject to alterations.