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# Refrigerator
# KSV..

BOSCH

en Instruction for Use

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# 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.

The manufacturer is not liable if you fail to comply with the instructions and warnings. Retain all documents for subsequent use or for the next owner.

### Technical safety

The tubes of the refrigeration circuit convey a small quantity of an environmentally friendly but flammable refrigerant (R600a). It does not damage the ozone layer and does not increase the greenhouse effect. If refrigerant escapes, it may injure your eyes 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,
- inform customer service.

The more refrigerant an appliance contains, the larger the room must be in which the appliance is situated. Leaking refrigerant can form a flammable gas-air mixture in rooms which are too small. The room must be at least 1 $m^3$ per 8 g of refrigerant. The amount of refrigerant in your appliance is indicated on the rating plate inside the appliance.

If the power cord of this appliance is damaged, it must be replaced by the manufacturer, customer service or a similarly qualified person. Improper installations and repairs may put the user at considerable risk.

Repairs may be performed by the manufacturer, customer service or a similarly qualified person only.

Only original parts supplied by the manufacturer may be used. The manufacturer guarantees that only these parts satisfy the safety requirements.

Do not use multiple sockets, extension leads or adapters.

## Important information when using the appliance

- Never use electrical appliances inside the appliance (e.g. heater, electric ice maker, etc.). Explosion hazard!
- Never defrost or clean the appliance with a steam cleaner! 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 tubes. Leaking refrigerant may cause eye injuries or ignite.
- Do not store products which contain flammable propellants (e.g. spray cans) or explosive substances in the appliance. Explosion hazard!
- Do not stand on or lean heavily against base of appliance, drawers or doors, etc
- For defrosting and cleaning, pull the mains plug out or switch off the fuse. Do not pull out the mains plug by tugging on the power cord.
- Store high-percentage alcohol tightly closed and standing up.
- 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 of the appliance!
- **Avoiding placing children and vulnerable people at risk:**

  At risk are children, people who have limited physical, mental or sensory abilities, as well as people who have inadequate knowledge concerning safe operation of the appliance.

  Ensure that children and vulnerable people have understood the hazards.

  A person responsible for safety must supervise or instruct children and vulnerable people who are using the appliance.

  Only children from 8 years and above may use the appliance.

  Supervise children who are cleaning and maintaining the appliance.

  Never allow children to play with the appliance.

## 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 regulations

The appliance is suitable for refrigerating food.

This appliance is intended for use in the home and the home environment.

The appliance is suppressed according to EU Directive 2004/108/EC.

The refrigeration circuit has been checked for leaks.

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

This appliance is intended for use up to a maximum height of 2000 metres above sea level.

# Information concerning disposal

## ♻ Disposal of packaging

The packaging protects your appliance from damage during transit. All utilised materials are environmentally safe and recyclable. Please help us by disposing of the packaging 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 2012/19/EU 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.
3. Do not take out the trays and receptacles: children are therefore prevented from climbing in!
4. Do not allow children to play with the appliance once it has spent its useful life. Danger of suffocation!

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

# Scope of delivery

After unpacking all parts, check for any damage in transit.

If you have any complaints, please contact the dealer from whom you purchased the appliance or our customer service.

The delivery consists of the following parts:

- Free-standing appliance
- Interior fittings (depending on model)
- Bag containing installation materials
- Operating instructions
- Installation manual
- Customer service booklet
- Warranty enclosure
- Information on the energy consumption and noises

# Installation location

A dry, well ventilated room is suitable as an installation location. The installation location should not be 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 observe the following minimum distances from the heat source:

- 3 cm to electric or gas cookers.
- 30 cm to an oil or coal-fired cooker.

The floor of the installation location must not give way; if required, reinforce floor. If the floor is uneven, compensate with supports.

## Distance from wall

Fig. **3**

A gap is not required between the appliance and side wall. The containers and shelves are still fully extendable.

## Reversing the door

(if required)

If required, we recommend that you have the door hinges changed over by our customer service. You can find out the costs for changing over the door hinges from your appropriate customer service.

**⚠ Warning**

While changing over the door hinges, ensure that the appliance is not connected to the power supply. Pull out the mains plug beforehand. To prevent damaging the back of the appliance, place adequate padding underneath. Carefully place the appliance on its back.

**Note**

If the appliance is placed on its back, ensure that the wall spacer is not fitted.

# Ambient temperature and ventilation

## Ambient temperature

The appliance is designed for a specific climate class. Depending on the climate class, the appliance can be operated at the following temperatures.

The climate class can be found on the rating plate. Fig. **17**

| Climate 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 |

**Note**

The appliance is fully functional within the room temperature limits of the indicated climatic class. If an appliance of climatic class SN is operated at colder room temperatures, the appliance will not be damaged up to a temperature of +5 °C.

## Ventilation

Fig. **4**

The air on the rear panel of the appliance heats up. Conduction of the heated air must not be obstructed. Otherwise, the refrigerating unit must work harder. This increases power consumption. Therefore: Never cover or block the ventilation openings!

# Connecting the appliance

After installing the appliance, wait at least 1 hour until the appliance is switched on. 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 of the appliance (see chapter “Cleaning the appliance”).

## Electrical connection

The socket must be near the appliance and also freely accessible following installation of the appliance.

**⚠ Warning**

Risk of electric shock!

If the length of the mains cable is inadequate, never use multiple sockets or extension leads. Instead, please contact Customer Service for alternatives.

The appliance complies with protection class I. Connect the appliance to 220–240 V/50 Hz alternating current via a correctly installed socket with protective conductor. The socket must be protected by a 10 A to 16 A fuse.

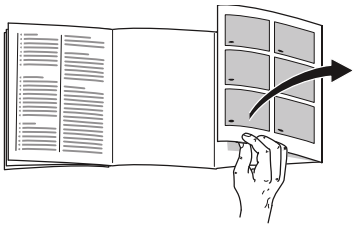
For appliances operated in non-European countries, check whether the indicated voltage and current type match the values of your electricity supply. This information can be found on the rating plate, Fig. 17.

**⚠ Warning**

Never connect the appliance to electronic energy saver plugs.

Our appliances can be used with mains and sine-controlled inverters. Mains-controlled inverters are used for photovoltaic systems which are connected directly to the national grid. Sine-controlled inverters must be used for isolated applications (e.g. on ships or in mountain lodges) which are not connected directly to the national grid.

# Getting to know your appliance



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

The features of the models may vary.

The diagrams may differ.

Fig. **1**

* Not all models.

| | |
|---|---|
| 1-5 | Controls |
| 6 | Light (LED) |
| 7 | Glass shelf |
| 8 | Condensation outlet |
| 9 | Vegetable container |
| 10 | Height-adjustable feet |
| 11* | Butter and cheese compartment |
| 12* | Egg rack |
| 13* | Door shelf “EasyLift” |
| 14 | Shelf for large bottles |

## Controls

Fig. **2**

1 **On/Off button**

Serves to switch the appliance on and off.

2 **“super” button**

Is used to switch on the super cooling (see chapter entitled “Super cooling”).

3 **Temperature selection button**

Press this button to set the temperature.

4 **Temperature display**

The numbers correspond to the set refrigerator compartment temperatures in °C.

5 **Alarm button**

Used to switch off the warning signal, see chapter “Alarm function”.

# Switching the appliance on

Fig. **2**

Switch on the appliance with the On/Off button 1.

The temperature display 4 indicates the set temperature.

The appliance begins to cool. Light is switched on when the door is open.

We recommend a factory setting of +4 °C in the refrigerator compartment.

Do not store perishable food warmer than +4 °C.

### Operating tips

- While the refrigeration unit is running, water droplets or a thin layer of ice may form at the rear panel of the refrigerator. This is nothing unusual. It is not necessary to scrape off the frost or wipe off the water droplets. The rear panel defrosts automatically. The condensation collects in the condensation channel and is carried to the refrigeration unit where it evaporates.
- If the air humidity is high, condensation may form in the refrigerator compartment, especially on the glass shelves. If this is the case, pack or wrap the food and select a lower temperature in the refrigerator compartment.

## Setting the temperature

**Fig. 2**

The temperature can be set from +2 °C to +8 °C.

Keep pressing temperature setting button 3 until the required refrigerator compartment temperature is set.

The value last selected is saved. The set temperature is indicated on the temperature display 4.

## Alarm function

### Door alarm

The door alarm (continuous sound) switches on if the appliance door is open for longer than two minutes. Close the door to switch off the warning signal.

### Switching off the alarm

Fig. 2
Press the alarm button 5 to switch off the warning signal.

## Usable capacity

Information on the usable capacity can be found inside your appliance on the rating plate. Fig. 17

## Refrigerator compartment

The refrigerator compartment is the ideal storage location for meat, sausage, fish, dairy products, eggs, ready meals and pastries.

### Storing food

- Store fresh, undamaged food. The quality and freshness will then be retained for longer.
- In the case of ready-made products and bottled goods, observe the best-before date or use-by date specified by the manufacturer.

- To retain aroma, colour and freshness, pack or cover food well before placing in the appliance. This will prevent the transfer of flavours and the discolouration of plastic parts in the refrigerator compartment.
- Allow warm food and drinks to cool down before placing in the appliance.

**Note**

Avoid contact between food and rear panel. Otherwise the air circulation will be impaired.

Food or packaging could freeze to the rear panel.

## Note the chill zones in the refrigerator compartment

The air circulation in the refrigerator compartment creates different chill zones:

- Coldest zone is between the arrow stamped on the side and the glass shelf situated below. Fig. **5**

  **Note**

  Store perishable food (e.g. fish, sausage, meat) in the coldest zone.
- Warmest zone is at the very top of the door and in the lower vegetable container.

  **Note**

  Store at the very top of the door e.g. hard cheese and butter. Cheese can then continue to release its flavour and the butter will still be easy to spread.

## Vegetable container with humidity control

Fig. **6**
To create the optimum storage climate for fruit and vegetables, you can set the humidity level in the vegetable container:

- Mainly vegetables as well as for a mixed or small load – high air humidity
- Mainly fruit as well as for a large load – low air humidity

**Notes**

- Fruit sensitive to cold (e.g. pineapple, banana, papaya and citrus fruit) and vegetables sensitive to cold (e.g. aubergines, cucumbers, zucchini, peppers, tomatoes and potatoes) should be stored outside the refrigerator at temperatures of approx. +8 °C to +12 °C for optimum preservation of quality and flavour.
- Condensation may form in the vegetable container depending on the type and quantity of products stored. Remove condensation with a dry cloth and adjust air humidity in the vegetable container with the humidity controller.

# Super cooling

Super cooling sets the refrigerator temperature to the coldest temperature setting for approx. 15 hours. Then the appliance automatically switches to the temperature set prior to super cooling mode.

Switch on super cooling mode, e.g.

- before placing large quantities of food in the refrigerator compartment.
- for the fast cooling of drinks.

**Note**

When super cooling is switched on, increased operating noises may occur.

## Switching on and off

Fig. 2

Press “super” button 2.

The button is lit when super cooling is switched on.

# Interior fittings

(not all models)

## Glass shelves

Fig. 7

If required, you can vary the shelves inside the appliance: To do this, pull out shelf, lift at the front and take out.

## Door shelf

Fig. 8

Lift shelf upwards and take out.

## Variable shelf

Fig. 9

The shelf can be folded down if required: Pull shelf forwards, lower and press backwards.

The shelf is suitable for storing food and bottles.

## Bottle shelf

Fig. 10

Bottles can be stored securely on the bottle shelf.

## Adjustable “EasyLift” door shelf

Fig. 11

The height of the shelf can be adjusted without taking it out.

Simultaneously press side buttons on the shelf to move the shelf downwards. It can be moved upwards without pressing the buttons.

## Bottle holder

Fig. 12

The bottle holder prevents bottles from falling over when the door is opened and closed.

# Sticker “OK”

(not all models)

The sticker “OK” lets you check whether the refrigerator compartment achieves the safe temperature ranges of +4 °C or colder recommended for food. If the sticker does not indicate “OK”, gradually reduce the temperature.

**Note**

When the appliance is switched on, it may take up to 12 hours until the set temperature is reached.




**Correct setting**

# Switching off and disconnecting the appliance

## Turn off appliance

Fig. **2**

Press the On/Off button 1. Temperature display 4 goes out, refrigeration unit switches off.

## Disconnecting the appliance

If you do not use the appliance for a prolonged period:

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

# Cleaning the appliance

**⚠ Caution**

- Do not use abrasive, chloride or acidic cleaning agents or solvents.
- Do not use scouring or abrasive sponges. The metallic surfaces could corrode.
- Never clean shelves and containers in the dishwasher. The parts may become deformed!

Proceed as follows:

1. Before cleaning: Switch off the appliance.
2. Pull out the mains plug or switch off the fuse!
3. Take out the food and store in a cool location.
4. Wait until the layer of frost has thawed.
5. Clean the appliance with a soft cloth, lukewarm water and a little pH neutral washing-up liquid. The rinsing water must not run into the light.
6. Wipe the door seal with clear water only and then wipe dry thoroughly.
7. Rinsing water must not run through the drainage hole into the evaporation area.
8. After cleaning reconnect and switch the appliance back on.
9. Put the food back into the appliance.

## Interior fittings

All variable parts of the appliance can be taken out for cleaning.

**Take out glass shelves**
Fig. 7

To do this, pull out shelf, lift at the front and take out.

**Take out shelves in the door**
Fig. 8

Lift shelves upwards and take out.

**Taking out the upper vegetable container**
Fig. 14

Pull out the vegetable container all the way, lift at the front and remove.

**Taking out glass shelf above vegetable container**
Fig. 13

The glass shelf can be taken out and disassembled for cleaning.

**Note**

Before taking out the glass shelf, pull out vegetable container.

**Taking out the lower vegetable container**
Fig. 15

Pull out the vegetable container all the way, lift at the front and remove.

To insert the vegetable container, place on the telescopic rails and push down to lock.

**Condensation channel**
Fig. 16

Regularly clean the condensation channel and drainage hole with a cotton bud or similar implement to ensure that the condensation can drain.

# Light (LED)

Your appliance features a maintenance-free LED light.

These lights may be repaired by customer service or authorised technicians only.

# Tips for saving energy

- Install the appliance in a dry, well ventilated room! The appliance should not be installed in direct sunlight or near a heat source (e.g. radiator, cooker).

  If required, use an insulating plate.
- Allow warm food and drinks to cool down before placing in the appliance.
- Open the appliance as briefly as possible.
- To avoid increased power consumption, occasionally clean the back of the appliance.
- If available:
  Fit wall spacers to obtain the indicated energy rating of the appliance (see Installation instructions). A reduced wall gap will not restrict the function of the appliance. The energy rating may then increase slightly. The gap of 75 mm must not be exceeded.
- The arrangement of the fittings does not affect the energy rating of the appliance.

# Operating noises

## Quite normal noises

**Droning**
Motors are running (e.g. refrigerating units, fan).

**Bubbling, humming or gurgling noises**
Refrigerant is flowing through the tubing.

**Clicking**
Motor, switches or solenoid valves are switching on/off.

## Preventing noises

**The appliance is not level**
Please align the appliance with a spirit level. Use the height-adjustable feet or place packing underneath them.

**The appliance is not free-standing**
Please move the appliance away from adjacent units or appliances.

**Containers or storage areas wobble or stick**
Please check the removable parts and re-insert them correctly if required.

**Bottles or receptacles are touching each other**
Move the bottles or receptacles slightly 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 5 minutes.<br>If the temperature is too high wait a few hours and check whether the temperature has approached the set value.<br>If the temperature is too low check the temperature again the next day. |
| Displays do not illuminate. | Power failure; the fuse has been switched off; the mains plug has not been inserted properly. | Connect mains plug. Check whether the power is on, check the fuses. |

| Fault | Possible cause | Remedial action |
|---|---|---|
| The light does not function. | The LED light is defective. | See chapter “Light (LED)” section. |
| | Appliance was open too long.<br>Light is switched off after approx. 10 min. | When the appliance is closed and opened, the light is on again. |
| Bottom of the refrigerator compartment is wet. | The condensation channel or drainage hole are blocked. | Clean the condensation channel and the drainage hole. See chapter Cleaning the appliance. Fig. 16 |
| The temperature in the refrigerator compartment is too cold. | Temperature has been set too low. | Increase the temperature. |
| The refrigerating unit is switching on more frequently and for longer. | Appliance opened frequently. | Do not open the appliance unnecessarily. |
| | The ventilation openings have been covered. | Remove obstacles. |
| Appliance is not cooling, temperature display and light are lit. | Showroom mode is switched on. | Hold down alarm button, Fig 2/5, for 10 seconds until an acknowledgement signal sounds.<br>After a short time check whether your appliance is cooling. |

# Appliance self-test

Your appliance features an automatic self-test program which shows you sources of faults which may be repaired by customer service only.

## Starting the appliance self-test

1. Switch off the appliance and wait 5 minutes.
2. Switch on appliance and hold down the super button, Fig. 2/2, for 3–5 seconds within the first 10 seconds until an acoustic signal sounds.

   The self-test programme starts.

   While the self-test is running, a long acoustic signal sounds.

When the self-test ends and an acoustic signal sounds twice, your appliance is in working order.

If the Super button flashes for 10 seconds and 5 acoustic signals sound, there is a fault. Inform customer service.

## Ending the appliance self-test

When the programme has ended, the appliance switches over to normal operation.

# 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-Nr.).

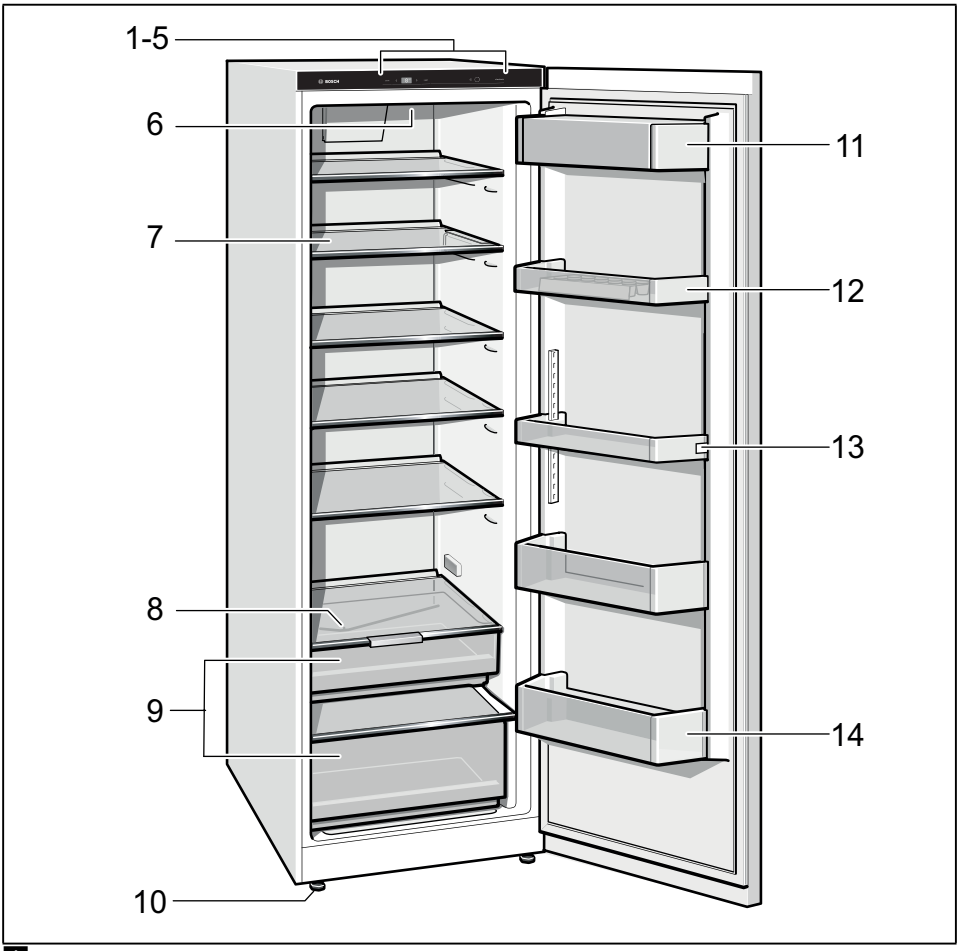
This information can be found on the rating plate. Fig. 17

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

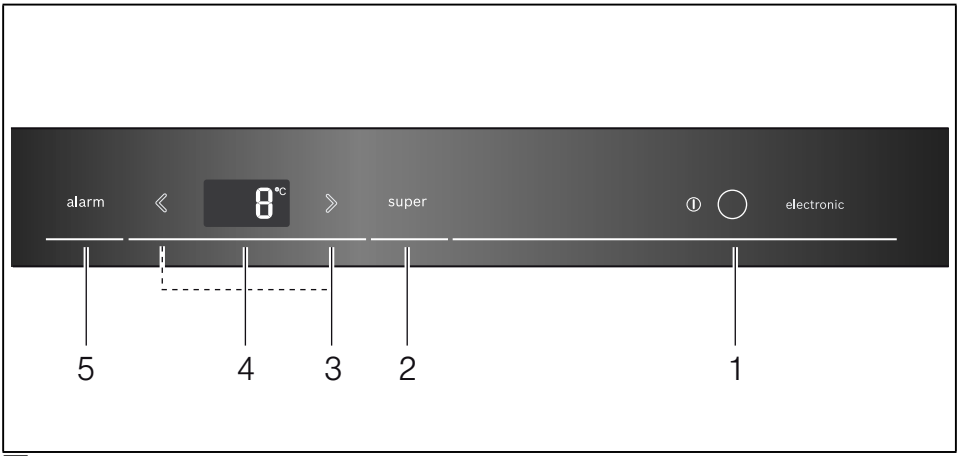
## Repair order and advice on faults

Contact information for all countries can be found on the enclosed customer service list.

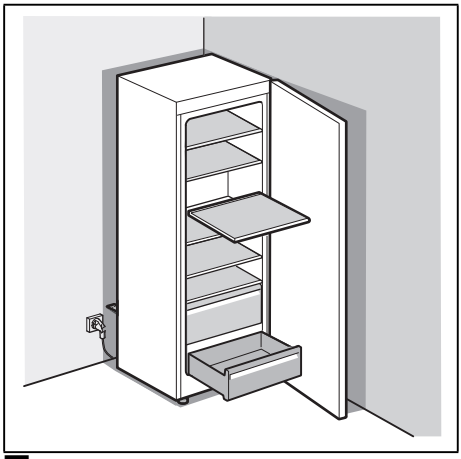
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|---|---|---|
| GB | 0344 892 8979 | Calls charged at local or mobile rate. |
| IE | 01450 2655 | 0.03 € per minute at peak. Off peak 0.0088 € per minute. |
| US | 800 944 2904 | toll-free |



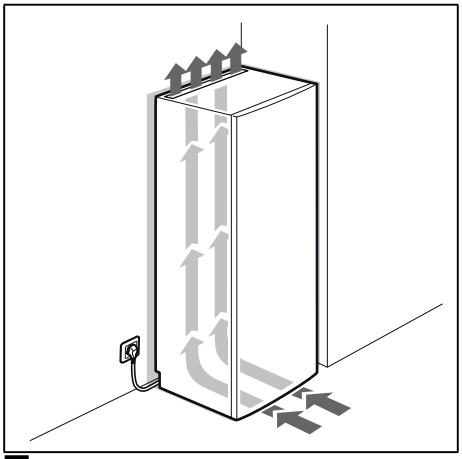

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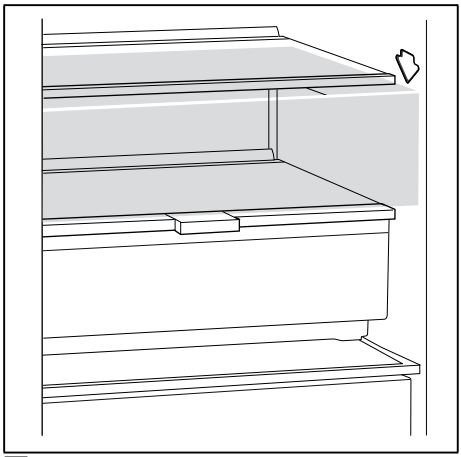

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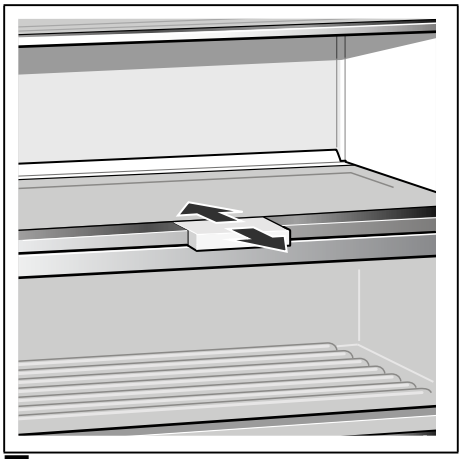
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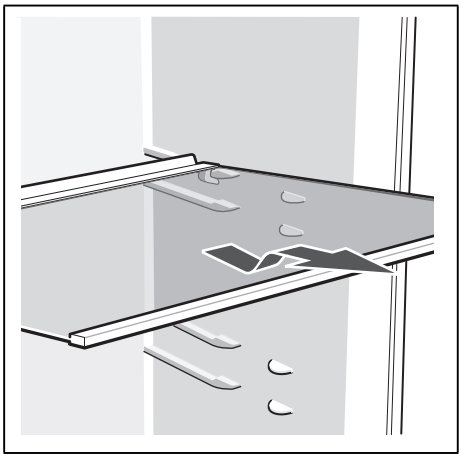
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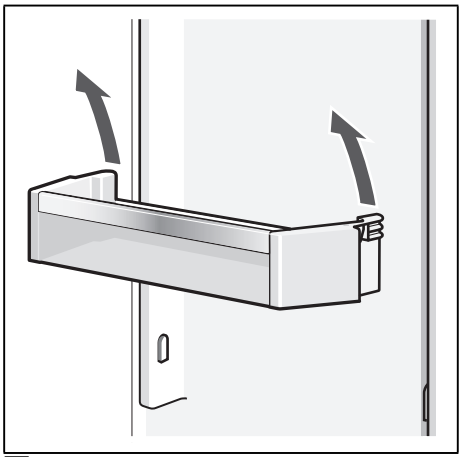
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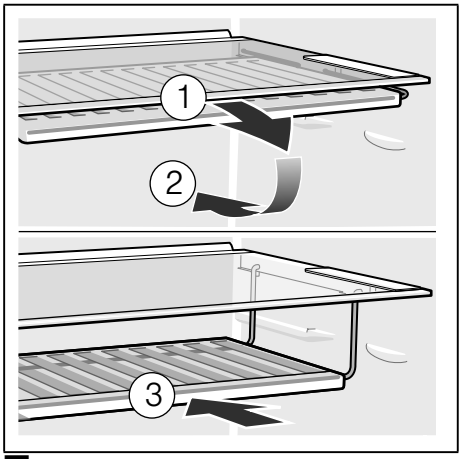
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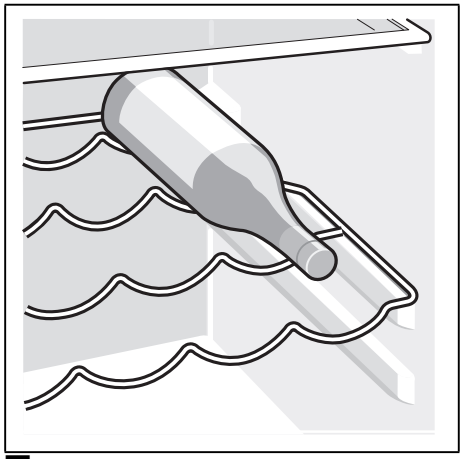
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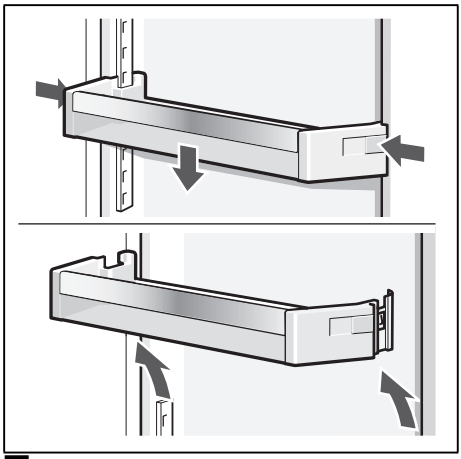
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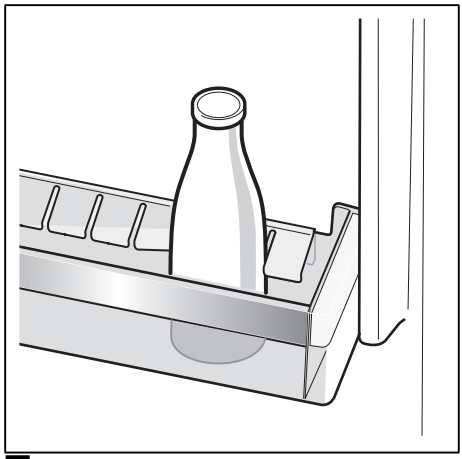

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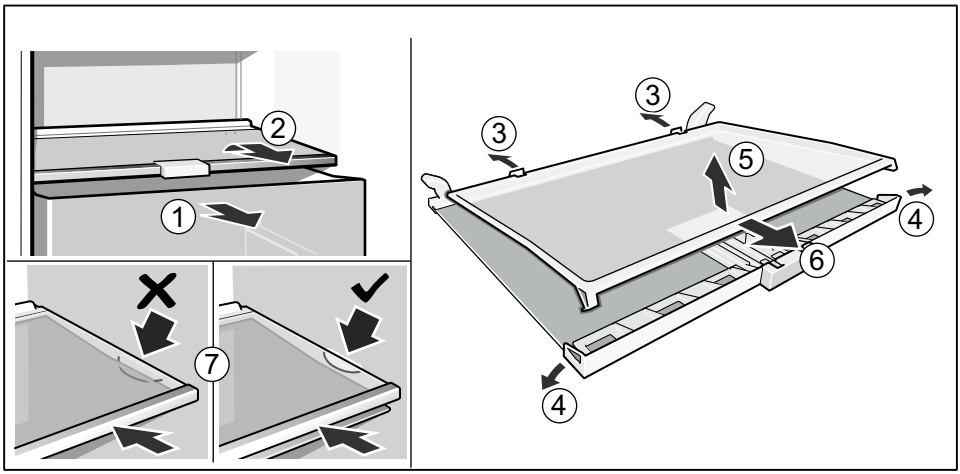
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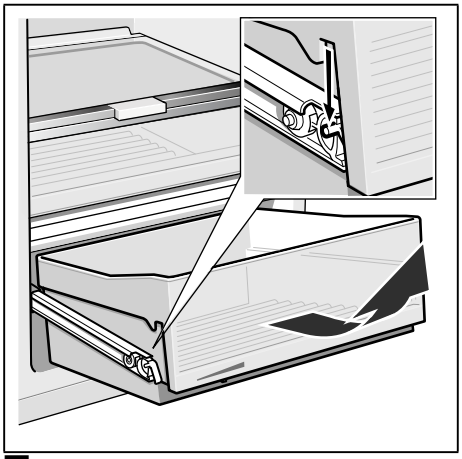
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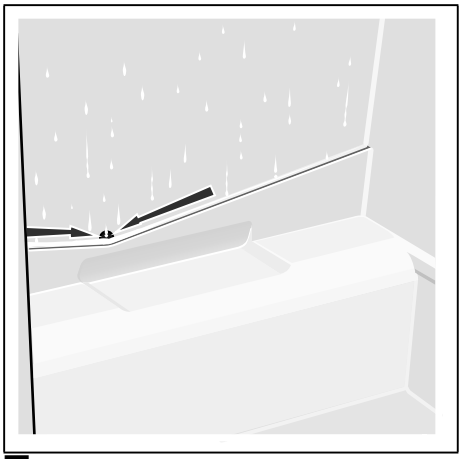

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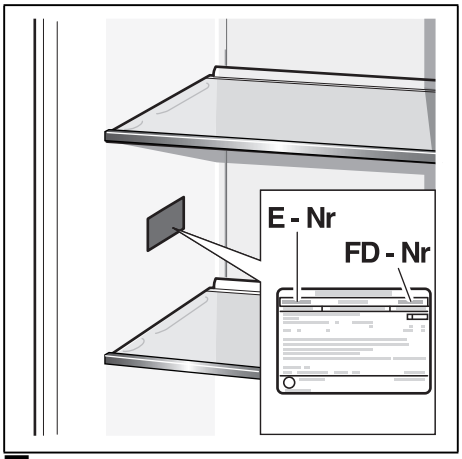

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