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**Refrigerator
KSF..**



BOSCH

en Instruction for Use

en Table of Contents

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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 m³ 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.

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. 14

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. 3

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.

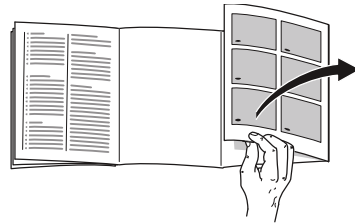
For appliances operated in non-European countries, check whether the indicated voltage and current type match the values of your electricity supply. This information can be found on the rating plate, Fig. **14**.

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**

- | | |
|-----|---|
| A | Refrigerator compartment |
| B | Cool-fresh compartment
(at almost 0°C) |
| 1-5 | Controls |
| 6 | Light |
| 7 | Glass shelf in the refrigerator compartment |
| 8 | Vario shelf |
| 9 | Ventilation |
| 10 | Partition with humidity controller |
| 11 | Vegetable container |
| 12 | “Cool-fresh” container |
| 13 | Height-adjustable feet |
| 14 | Butter and cheese compartment |
| 15 | Shelf for tubes and small tins |
| 16 | Door shelf “EasyLift” |
| 17 | Door ventilation |
| 18 | Shelf for large bottles |

Controls

Fig. 2

- 1 **On/Off button**
Serves to switch the whole appliance on and off.
- 2 **“Super” button refrigerator compartment**
Switches super cooling on and off.
- 3 **Temperature selection button**
The required temperature is set with this button.
- 4 **Refrigerator compartment display**
Indicates the current temperature setting in the refrigerator compartment.
- 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

- After the appliance has been switched on, it may take several hours until the set temperatures have been reached.
Do not put any food in the appliance beforehand.
- 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

Refrigerator compartment

The temperature can be set from +3 °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 temperature display 4.

Cool-fresh compartment

The temperature in the “cool-fresh” compartment has been set to almost 0 °C at the factory and should not be changed if at all possible.

If frost forms on the refrigerated food, the temperature can be increased. (See chapter “Eliminating minor faults yourself”.)

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. 14

Refrigerator compartment

The refrigerator compartment is the ideal storage location for ready meals, cakes and pastries, preserved food, condensed milk and hard cheese.

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 the chill zones in the refrigerator compartment

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

The coldest zone is on the partition and on the shelf for large bottles.

Warmest zone is at the very top of the door.

Notes

- Store e.g. hard cheese and butter in the warmest zone. Cheese can then continue to release its flavour and the butter will still be easy to spread.
- Store perishable food (e.g. fish, sausage, meat) in the "cool-fresh" compartment (see chapter The "cool-fresh" compartment).

The "cool-fresh" compartment

The temperature in the fridge is about 0 °C. The low temperature and the optimum moisture provide ideal storage conditions for fresh food.

Food can be kept fresh up to three times longer in the "cool-fresh" compartment than in the normal cooling zone – for even longer freshness, nutrient retention and flavour.

Vegetable container

Fig. 4

The vegetable container is the optimum storage location for fresh fruit and vegetables. The humidity controller of the partition and a special seal can be used to adjust the air humidity in the vegetable container.

The air humidity in the vegetable container can be set according to the type and amount of products to be stored:

- Mainly fruit as well as for a large load – lower air humidity
- Mainly vegetables as well as for a mixed load or small load – higher 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 food and quantity stored. Remove condensation with a dry cloth and adjust air humidity in the vegetable container with the humidity controller.

“Cool-fresh” container

Fig. 11/12

The storage climate in the “cool-fresh” container offers ideal conditions for the storage of fish, meat, sausage, cheese and milk.

Storage times (at 0 °C)

Depending on the initial quality

Fresh fish, seafood	up to 3 days
Poultry, meat (boiled/fried)	up to 5 days
Beef, pork, lamb, sausage (cold meat)	up to 7 days
Smoked fish, broccoli	up to 14 days
Salad greens, fennel, apricots, plums	up to 21 days
Soft cheese, yoghurt, quark, buttermilk, cauliflower	up to 30 days

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.

Switching on and off

Fig. 2

Press “super” button 2.

The button is lit when super cooling is switched on.

Note

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

Interior fittings

You can reposition the shelves inside the appliance and the door shelves as required:

- To do this, pull out shelf, lift at the front and take out. Fig. **5**
- Raise the door shelf and remove. Fig. **6**

Variable shelf

Fig. **10**

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

The shelf is suitable for storing food and bottles.

Adjustable “EasyLift” door shelf

Fig. **7**

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. **11**

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

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.

Defrosting

Defrosting is actuated automatically.

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. 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.
5. Wipe the door seal with clear water only and then wipe dry thoroughly.
6. After cleaning reconnect and switch the appliance back on.
7. Put the food back into the appliance.

Interior fittings

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

Taking out the door shelf “EasyLift”

Fig. **7**

Move door shelf all the way upwards and take out.

Removing the container

Fig. **8**

Pull out the container all the way and lift to detach it.

To insert the container, place on the telescopic rails and push into the appliance. Attach the container by pressing it down.

Taking out the partition

Fig. **9/A**

Pull the partition forwards and lift out.

Fig. **9/B**

Lift the glass shelf out of the partition.

Remove telescopic rails

Fig. **12**

1. Pull out the telescopic rail.
2. Push lock in the direction of the arrow.
3. Detach telescopic rail from the rear pin.
4. Push telescopic rail together, push backwards above the rear pin and disengage.

Installing telescopic rails

1. Place the extended telescopic rail on the front pin.
2. Pull the telescopic rail forwards slightly until it engages.
3. Place telescopic rail on the rear pin.
4. Push lock backwards.

Removing cover from the door ventilation

Fig. **13**

Lift cover and remove from the door.

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. If required, place something underneath.

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. 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.
The light does not function.	The LED light is defective.	See chapter “Light (LED)” section.
	Appliance was open too long.	When the appliance is closed and opened, the light is on again.
	Light is switched off after approx. 10 min.	
The temperature in the refrigerator compartment is too cold.	Temperature has been set too low.	Increase the temperature (see Selecting 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 has no refrigeration capacity.	Appliance has been switched off.	Press the On/Off button.
The light does not work.	Power failure.	Check whether the power is on.
The display does not illuminate.	The fuse has been switched off.	Check the fuse.
	The mains plug has not been inserted properly.	Check whether the mains plug is secure.

Fault	Possible cause	Remedial action
The “cool-fresh” compartment is too warm or too cold.	The standard setting has been set too high or too low (e.g. if there is frost in the “cool-fresh” compartment).	The temperature in the “cool-fresh” compartment can be set to be 3 steps warmer and/or colder, Fig. 2. If the refrigerator compartment temperature is set to 0, the “cool-fresh” compartment has a temperature of almost 0 °C. 1. Hold down “super” button 2 for 3 seconds until temperature display 4 flashes. 2. Change the setting using the temperature setting button 3. Setting -3 corresponds to the coldest setting Setting +3 corresponds to the warmest setting The selected setting is saved after one minute.
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. 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.).

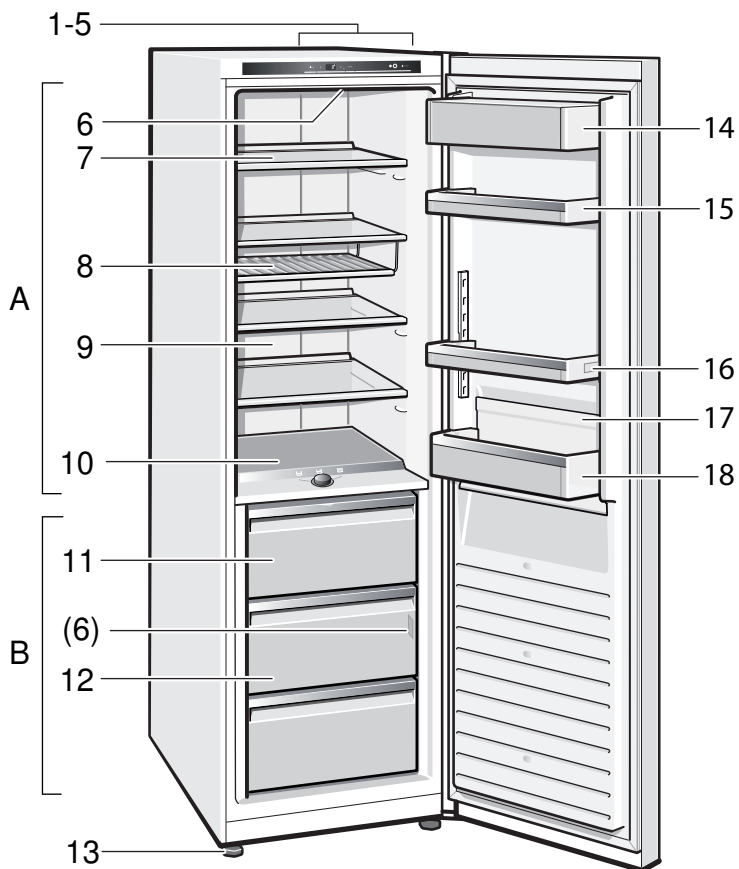
This information can be found on the rating plate. Fig. **14**

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

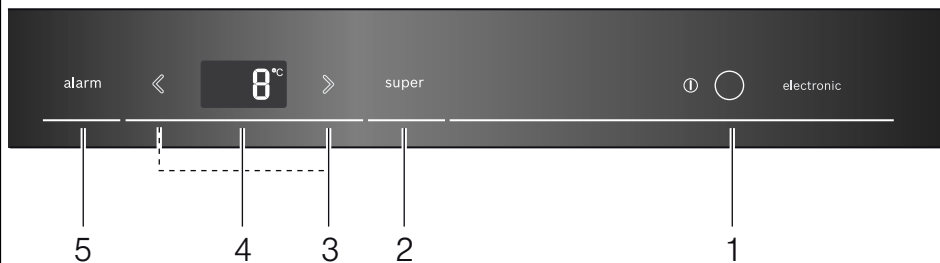
Repair order and advice on faults

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

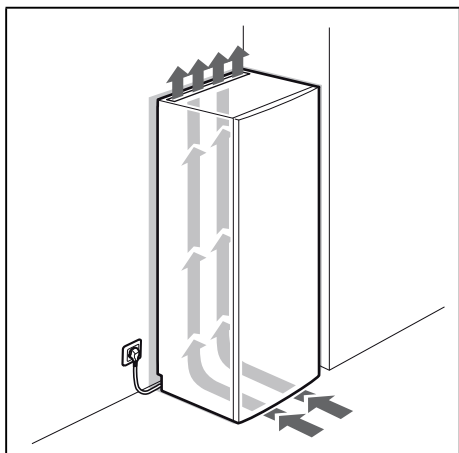
GB	0344 892 8979	Calls charged at local or mobile rate.
IE	01450 2655	0.03 € per minute at peak. Off peak 0.0088 € per minute.
US	800 944 2904	toll-free



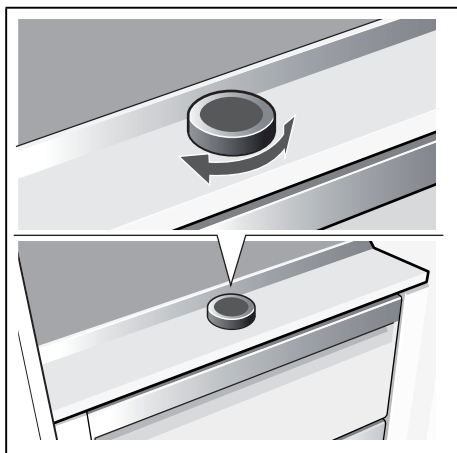
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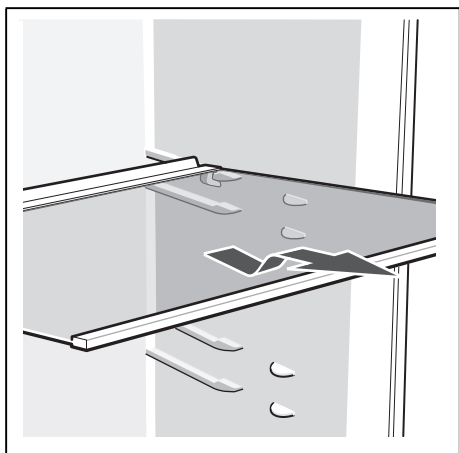
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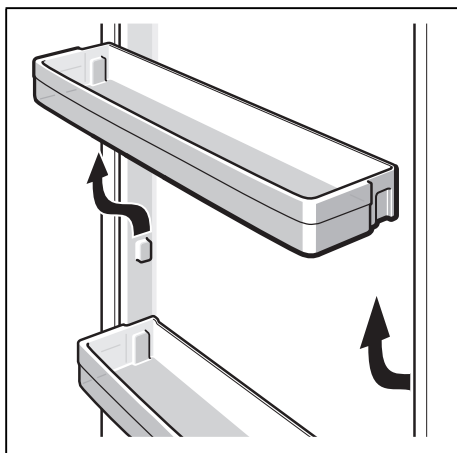
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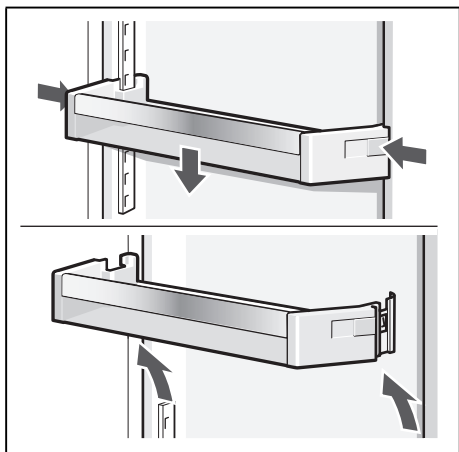
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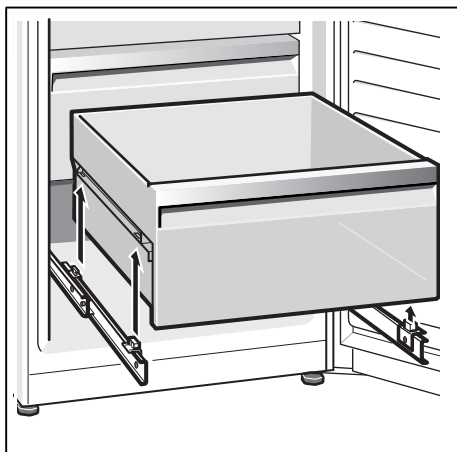
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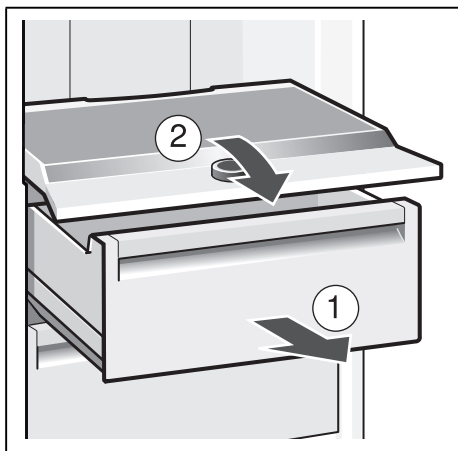
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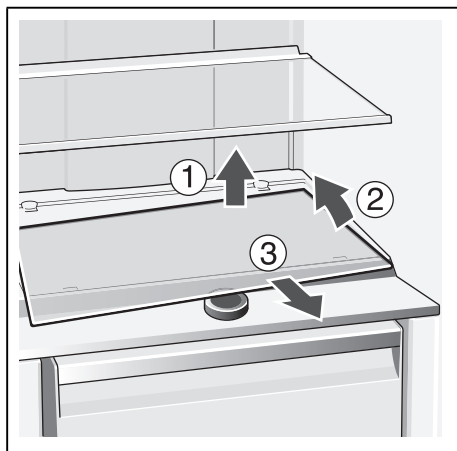
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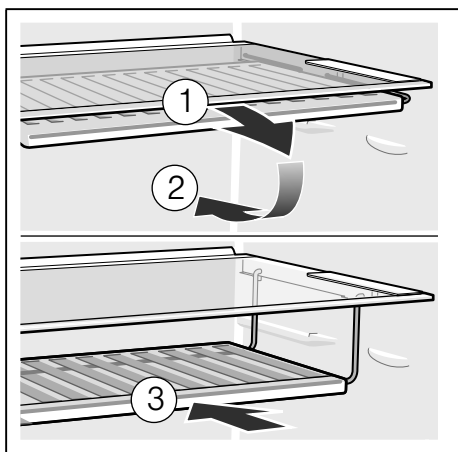
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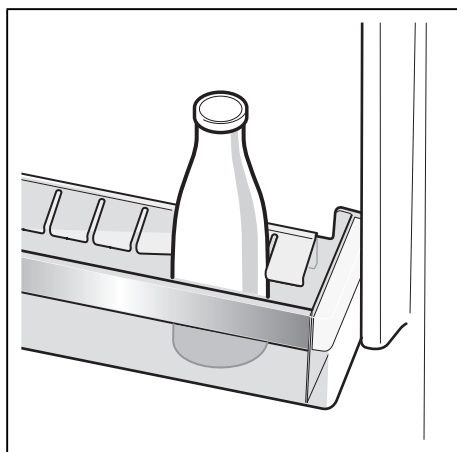
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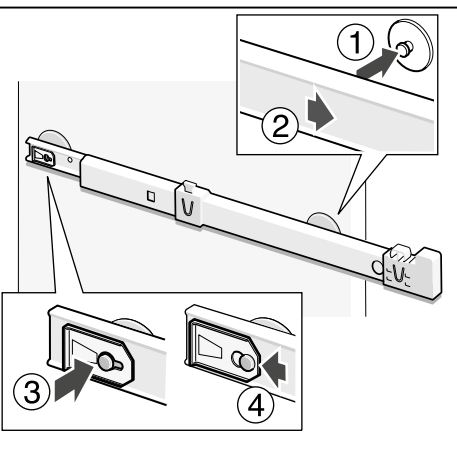
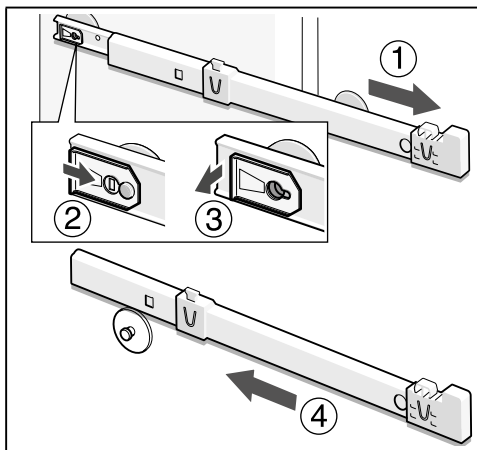
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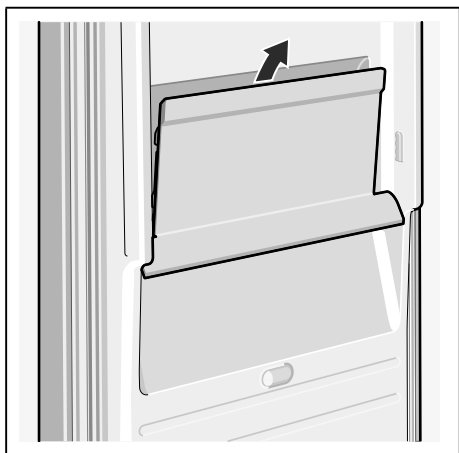
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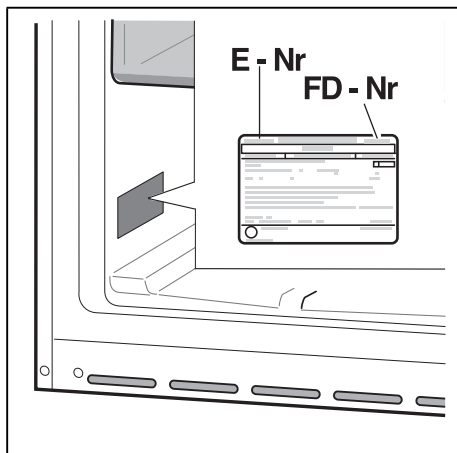
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