



Installation Guide

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LIEBHERR



General safety instructions

Contents

1	General safety instructions.....	2
2	Installation conditions.....	3
2.1	Installation location.....	3
2.2	Position in the space.....	3
3	Appliance dimensions.....	4
4	Recess dimensions.....	4
5	Ventilation requirements.....	5
6	Transporting the appliance.....	5
6.1	Transporting the appliance for initial installation.....	5
6.2	Transporting the appliance after initial installation.....	5
7	Unpacking the appliance.....	5
8	Setting up the appliance.....	5
8.1	After setup.....	5
9	Setting up several appliances.....	6
10	Disposal of packaging.....	6
11	Explanation of the symbols used.....	6
12	Reversing the door.....	7
13	Fit the appliance into the recess.....	9
14	Connecting the appliance to the power supply.....	15

The manufacturer is constantly working to improve all types and models. Therefore, please be aware that we reserve the right to make changes to the shape, equipment and technology.

Symbol	Explanation
	Read instructions Please read the information in these instructions carefully to understand all of the benefits of your new appliance.
	Additional information online The digital manual with supplemental information can be found online by scanning the QR code on the front page of this manual or by entering the service number at home.liebherr.com/fridge-manuals .
	Check appliance Check all parts for transport damage. If you have any complaints, please contact your agent or customer service.
	Differences These instructions apply to a range of models, so there may be differences. Sections that apply to certain models only are indicated by an asterisk (*).

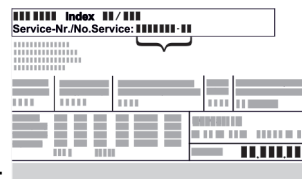
Symbol	Explanation
	Instructions and results Instructions are marked with a ▶. Results are marked with a ▷.
	Videos Videos about the appliances are available on the YouTube channel of Liebherr-Haushaltsgeräte.

Open-source licenses:



The appliance includes software components that make use of open-source licenses. You can find information on the open-source licenses to be used here: home.liebherr.com/open-source-licenses


1 General safety instructions

- Please keep this assembly manual in a safe place so you can refer back to it at any time.
- If you pass the appliance on, please hand this assembly manual to the new owner.
- Read this assembly manual before installation and use in order to use the appliance safely and correctly. Follow the instructions, safety instructions and warning messages included at all times. They are important for ensuring you can operate and install the appliance safely and without any problems.
- First read the general safety instructions in the "General safety instructions" section of the **operating instructions**, which accompany these installation instructions, and follow them. If you cannot find the **operating instructions**, you can download the **operating instructions** from the internet by entering the service number at home.liebherr.com/fridge-manuals. The service number can be found on the



- **Observe the warning messages and other detailed information in the other sections when installing the appliance:**

	DANGER	indicates a hazardous situation, which if not avoided, will result in death or serious injury.
	WARNING	indicates a hazardous situation, which if not avoided, could result in death or serious injury.

	CAUTION	indicates a hazardous situation, which if not avoided, will result in minor or moderate injury.
	NOTICE	indicates a hazardous situation, which if not avoided, could result in damage to property.
	Note	indicates useful advice and tips.

2 Installation conditions

The installation conditions are crucial to ensure that you can operate your appliance safely, efficiently, and trouble-free.

- Observe all safety instructions.
- Observe the installation location and position in the room.



WARNING

Danger of fire due to incorrect positioning!

If the power supply cable or plug touches the back of the appliance, the vibration can damage the power supply cable or the plug resulting in a short circuit.

- Make sure the power supply cable is not trapped under the appliance when you position the appliance.
- Install the appliance so that it does not touch any plugs or power cables.
- Do not connect any appliances to sockets in the area of the back of the appliance.
- Do **not** place and operate power strips/power distributors and other electronic devices (such as halogen transformers) at the back of the appliances.



WARNING

Risk of fire due to moisture!

If live parts or the power cord get wet, this can cause a short circuit.

- The appliance is designed for use in enclosed spaces. Do not operate the appliance in open space or in damp areas or where there is spray.



WARNING

Leaking refrigerant and oil!

Fire. The refrigerant contained within the appliance is environmentally friendly, but flammable. The oil contained within the appliance is flammable. Escaping refrigerant and oil can ignite if they are of high enough concentration and are exposed to an external heat source.

- Do not damage the pipelines of the coolant circuit and the compressor.

2.1 Installation location

- Only set up and used the appliance in enclosed spaces.
- Only operate the appliance in installed condition.
- If the appliance is set up in a very humid environment, condensation may form on the outside of it. Always ensure good ventilation at the installation location.
- The more refrigerant there is in the appliance, the larger the room in which the appliance is installed must be. If the room is too small, a flammable gas/air mixture may form in the event of a leak. Per 8 g (0.28 oz) refrigerant, the installation space must be at least 1 m³ (35.5 ft³) in size. Information on the refrigerant contained can be found on the type plate inside the appliance.
- The floor at the installation location must be horizontal and level.

2.2 Position in the space

- Do not install the appliance in an area with direct sunlight, next to a heating unit or similar.
- You can install the appliance directly next to an oven.
- If you install the appliance directly next to an oven, its energy consumption may increase slightly. This depends on the service life and how often the oven is used.
- Only fit the appliance into stable, solid cabinets.
- Use in potentially explosive atmospheres is not permitted.

Appliance dimensions

3 Appliance dimensions

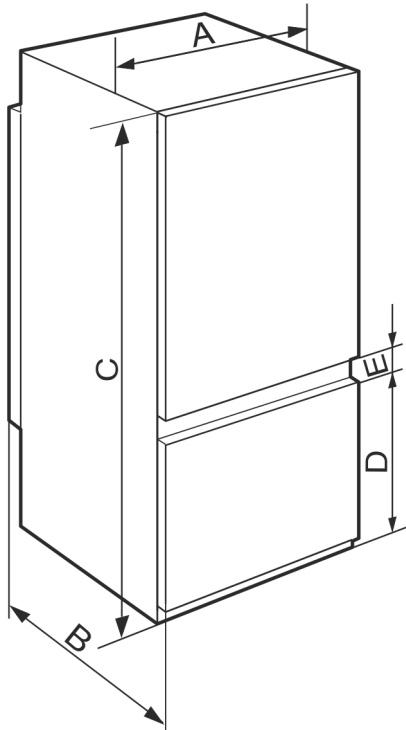


Fig. 1

	mm (in)
A	541 (21 5/16)
B	545 (21 1/2)
C	1770 (69 11/16)
D	669 (26 3/8)
E	67 (2 5/8)

4 Recess dimensions

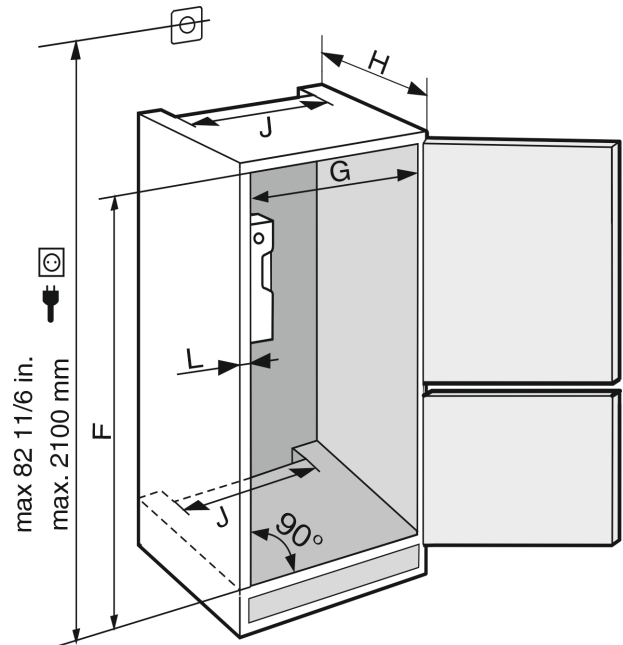


Fig. 2

ICS5100 / ICS5101	
F (mm (in))	1772 to 1788 (69 13/16 to 70 7/16)
G (mm (in))	560 to 570 (22 1/16 to 22 1/2)
H (mm (in))	min. 550, recommended 560 (min. 21 11/16, recommended 22 1/16)
J (mm (in))	min. 500 (19 11/16)
L (mm (in))	max. 19 (3/4)

The specified energy consumption was determined with a kitchen cabinet depth of 560 mm (22 1/16 in). The appliance will work properly at a kitchen cabinet depth of 550 mm (21 11/16 in), but with a slightly higher energy consumption.

- Check the wall thickness of adjacent units: It must be a minimum of 16 mm (5/8 in) .
- Only fit the appliance into stable, solid kitchen units. Secure the unit against tipping.
- Align the cabinets with a level and a try square. If necessary, level them by putting something underneath them.
- Make sure floor and the side panels of the cabinet are at right angles to each other.

5 Ventilation requirements

NOTICE

Covered vents!

Damage. Appliance can overheat, which can reduce the service life of various parts of the appliance and lead to functional impairments.

- ▶ Always ensure good ventilation.
- ▶ Always keep vents or ventilation grills in the appliance housing and in the kitchen structure (built-in appliance) unobstructed.
- ▶ Never block air vents of the fan.

Note

The clearance at the back of the appliance must be 13 mm (1/2 in). If the clearance is less than 13 mm (1/2 in), energy consumption may increase.

Comply with the ventilation gaps:

- The depth of the ventilation shaft at the back of the cabinet must be at least 38 mm (1 1/2 in).
- At least 200 cm² (31 in²) is required for the ventilation gap cross sections in the plinth and the housing cabinet.
- Basically, the larger the ventilation cross-section, the more efficiently the appliance will run.

Sufficient ventilation is required for the operation of the appliance. The ventilation grids provided ensure an effective ventilation cross-section on the appliance of 200 cm² (31 in²). If you replace the ventilation grids with a cover plate the ventilation cross-section must be as least as large as the ventilation grid provided by the manufacturer.

6 Transporting the appliance

6.1 Transporting the appliance for initial installation

Make sure that the following requirements are fulfilled:

- ☐ Appliance is packaged.
- ☐ The appliance is upright.
- ▶ Have two people transport the appliance.
- ▶ Unpack the appliance. (see 7 Unpacking the appliance)

6.2 Transporting the appliance after initial installation

Observe the following instructions if you want to transport or move the appliance after initial installation.

Make sure that the following requirements are fulfilled:

- ☐ Appliance is empty.
- ☐ The appliance is upright.

- ☐ Appliance with door(s): The door is secured against undesired opening.
- ☐ Appliance with pull-out cart: The pull-out cart is secured against undesired opening.
- ☐ Appliance is unpacked.
- ▶ Have two people transport the appliance.

7 Unpacking the appliance

If the appliance is damaged check with the supplier immediately before connecting it.

- ▶ Check the appliance and packaging for damage during transport. If you suspect any damage, please contact your supplier immediately.
- ▶ Remove all materials that could prevent it from being installed properly or prevent proper ventilation from the back or the side panels of the appliance.
- ▶ Remove all protective films from the appliance. Do not use sharp or pointed objects for this.

8 Setting up the appliance



CAUTION

Risk of injury due to heavy appliance!

- ▶ Have two people transport the appliance to its installation site.



WARNING

Danger of injury and damage due to the appliance being unstable!

The appliance can tip over.

- ▶ Secure the appliance as described in the instructions.



WARNING

Danger of fire and damage!

- ▶ Do not place devices that give off heat, e.g. microwaves, toasters, etc. on the appliance.

If possible, have a professional install the appliance in your kitchen cabinet unit.

Do not install the appliance without assistance.

8.1 After setup

- ▶ Remove all transport packaging.
- ▶ Clean the appliance (see User Guide, Cleaning the appliance).
- ▶ Write down the type (model, number), appliance name, appliance/serial number, date of purchase and dealer address in the designated fields (see User Guide, About the appliance).

Setting up several appliances

9 Setting up several appliances

The appliances were developed for different installation options. If you want to install several appliances side by side or on top of each other, make sure that the following requirements are met:

- ❑ Only install those appliances side by side or on top of each other that were developed for the purpose.
- ❑ Observe the instructions and the following table.

NOTICE

Risk of damage caused by water condensate!

- Do not set up the appliance next to another refrigeration/freezer unit.

NOTICE

Risk of damage from condensation!

- Do not set up the appliance directly above another refrigeration/freezer unit.

Model	Installation type
All models	individually
Models with a model designation that starts with S...	Side-by-side (SBS)
Models up to a maximum recess height of 880 mm (34 5/8 in) and with heated ceiling can be "set up" on top of each other. Top appliance up to a maximum recess height of 140 mm (5 1/2 in)	On top of each other

Models and their installation type

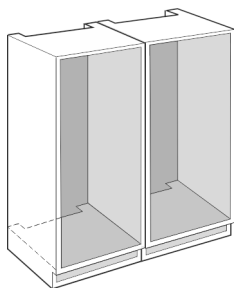


Fig. 3

Install each appliance in a separate cabinet recess.

10 Disposal of packaging



WARNING

Danger of suffocation from packaging materials and films!

- Do not allow children to play with packaging materials.















The packaging is made from recyclable materials:



- Corrugated card/cardboard

- Parts made of foamed polystyrene
- Films and bags from polyethylene
- Packing bands from polypropylene
- Wood frame nailed together with a polyethylene window*
- Take the packaging material to an official collection point.

11 Explanation of the symbols used

	There is a risk of injury when performing this step! Observe the safety instructions!
	The instructions apply to several models. Only do this step if it applies to your appliance.
	Please refer to the detailed description in the text section of the instructions for installation.
	This section applies either to a single-door appliance or a two-door appliance.
	Choose between the alternatives: Appliance with door hinge on the right or appliance with door hinge on the left.
	Installation step necessary for IceMaker and/or InfinitySpring.
	Only loosen the screws or slightly tighten them.
	Tighten the screw.
	Check whether the following step is necessary for your model.
	Check to ensure the right installation/the correct fit of the components used.

	Re-measure the specified dimension and correct if necessary.
	Tools for installation: Measuring rod
 	Tools for installation: Electric screwdriver and insert We recommend a longer bit insert to reach the screws better.
	
	Tools for installation: Level
	Tools for installation: Open-end wrench with wrench sizes 7 and 10
	Two people are required for this step.
	This step is performed at the marked spot on the appliance.
	Aids needed for installation: String
	Aids needed for installation: Angular measure
	Aids needed for installation: Screwdriver
	Aids needed for installation: Scissors
	Aids needed for installation: Marker, erasable

	Enclosure: Remove components
	Properly dispose of components no longer needed.

12 Reversing the door

Tool

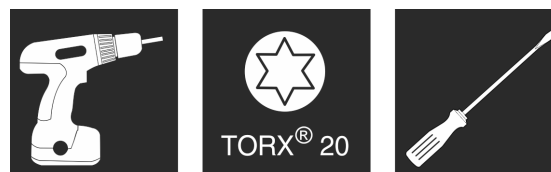


Fig. 4



WARNING

Danger of injury if the door falls out!

If the fasteners are not screwed on tightly enough, the door may fall out. This may lead to serious injuries. In addition, the door may not close, thus impairing the cooling performance of the appliance.

► Screw the upper and lower bearing brackets firmly to 4 Nm (3 ft lb).

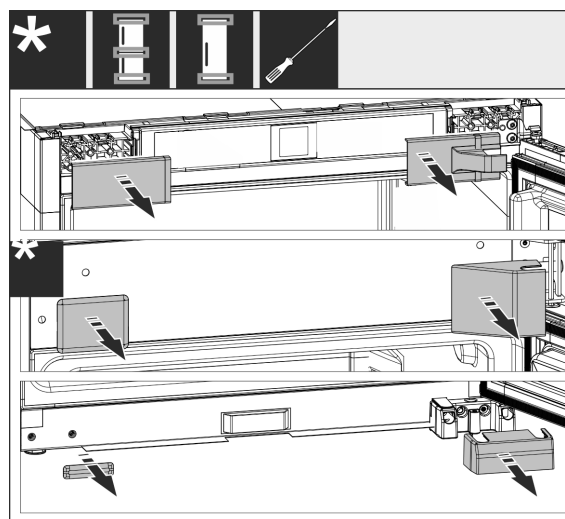


Fig. 5

► Remove any mounted covers, if necessary, use a slotted screwdriver to lift them off.

Reversing the door

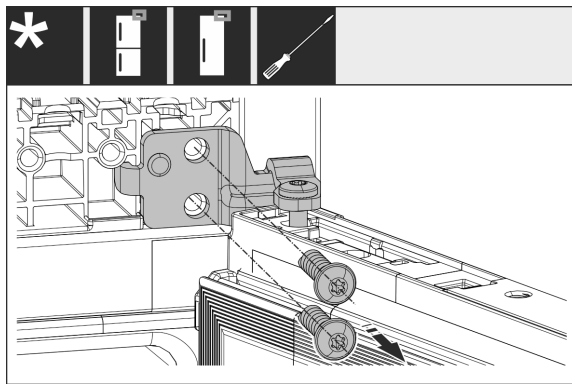


Fig. 6

- Loosen the screws on the bearing block. Secure the door against falling out.

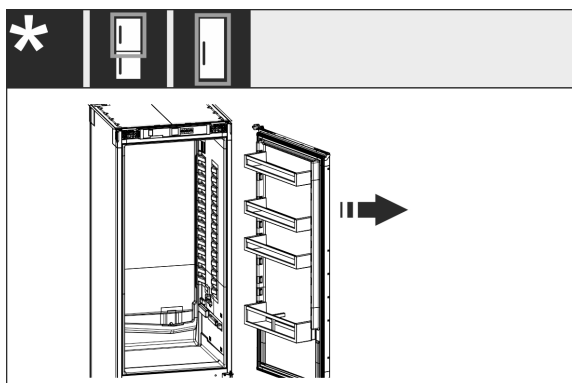


Fig. 7

- Remove the door together with the still screwed-on bearing bracket.

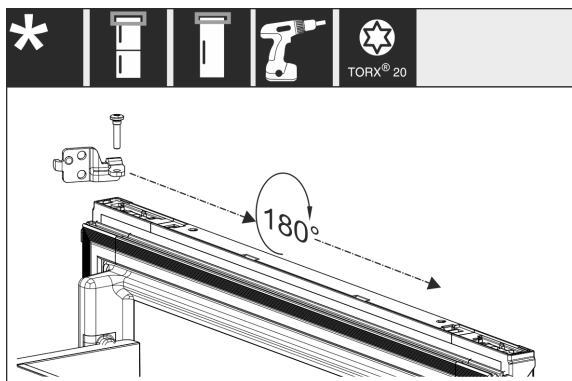


Fig. 8

- Turn and shift the bearing block by 180°.

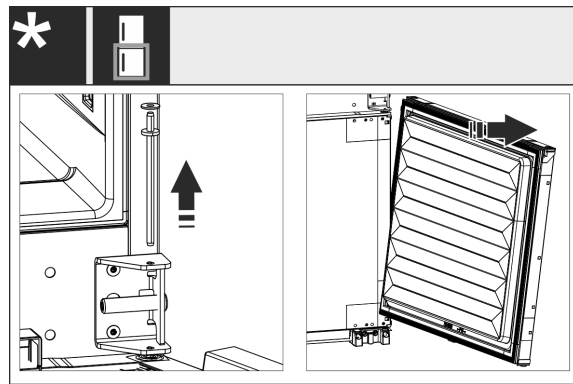


Fig. 9

- Removing the lower door: Pull out the middle bearing bolt with the disc. Secure the door against tipping out. Lift the door up.

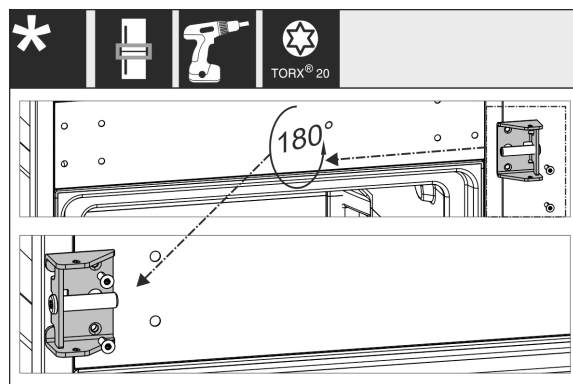


Fig. 10

- Shift the middle bearing block and screw it tightly.

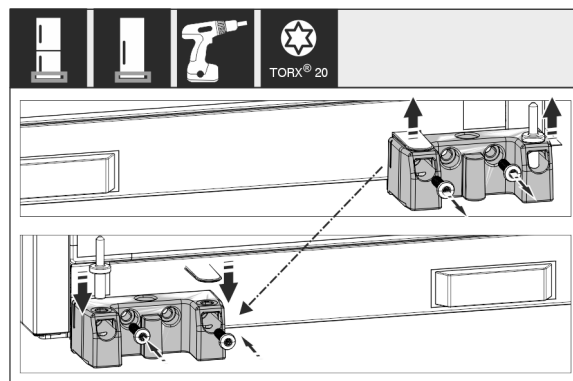


Fig. 11

- Shift the bottom bearing block and screw it tightly.

Fit the appliance into the recess

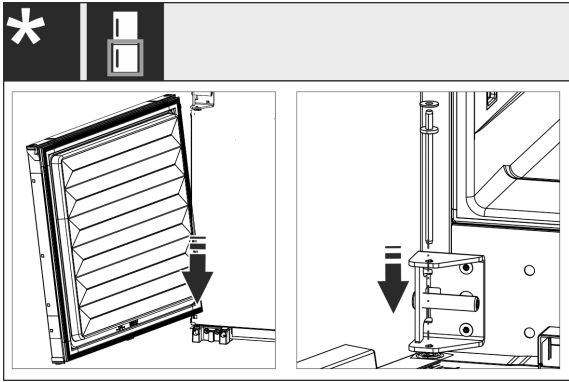


Fig. 12

- With combination units: Mount the lower door: Place on the hinge bolt at the bottom and rotate into place at the top. Insert the middle bearing bolt into the door from above through the middle bearing block.

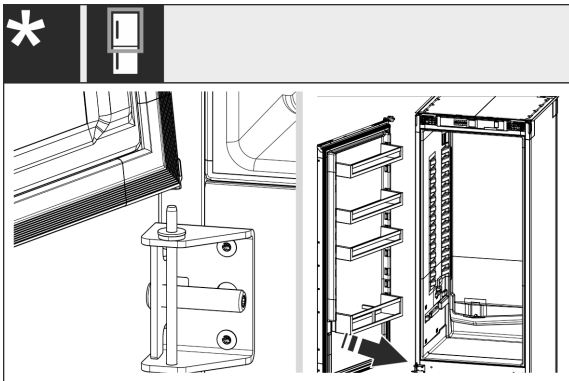


Fig. 13

- With combination units: Fitting the upper door: Place at the bottom of the middle bearing bolt.
- For single-door appliances: Fitting the door: Place it on the bearing pin at the bottom.

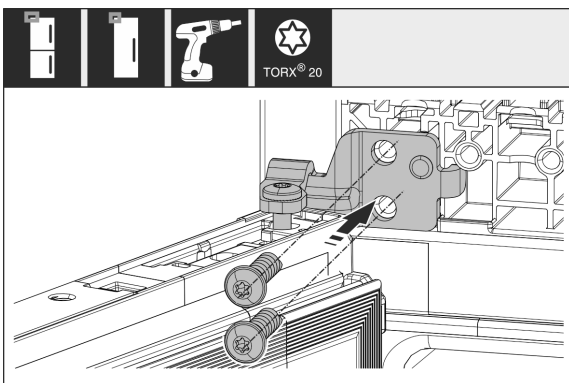


Fig. 14

- Screw the top bearing block to the housing.

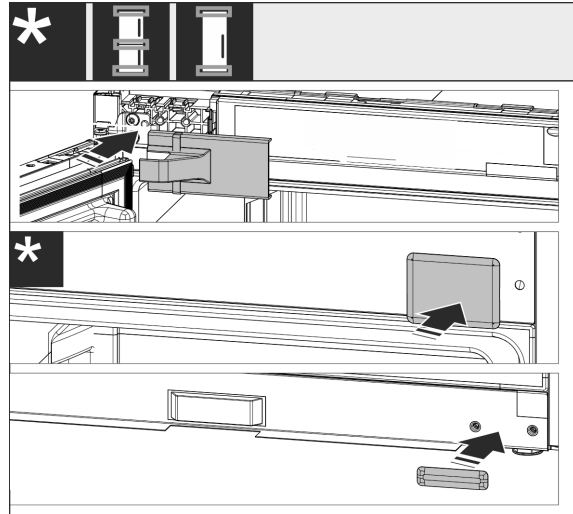


Fig. 15

- Refit the covers on the handle side. Only fit the hinge side cover after installing the appliance into the cabinet again.
- Check all screws and retighten if necessary.

13 Fit the appliance into the recess

Tools and aids

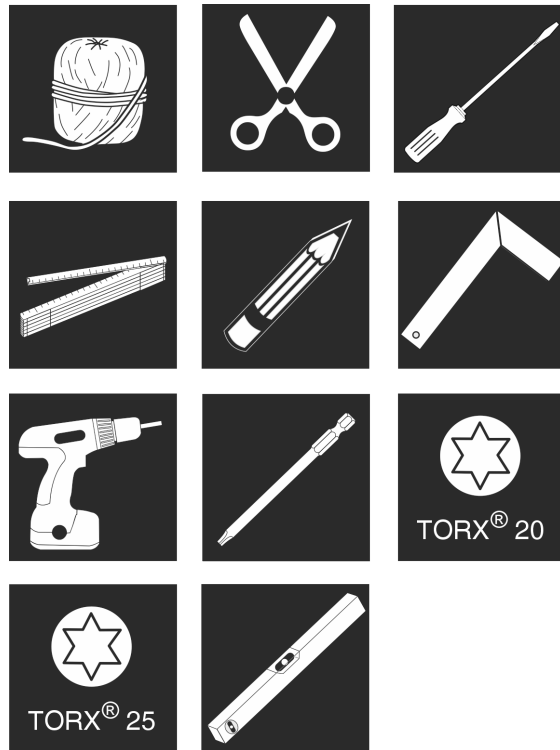


Fig. 16

Supplied installation parts

Fit the appliance into the recess

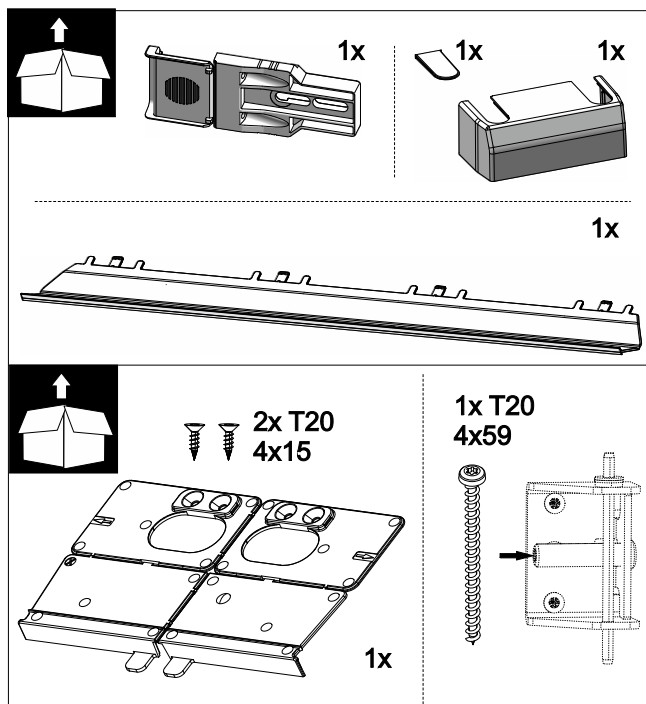


Fig. 17

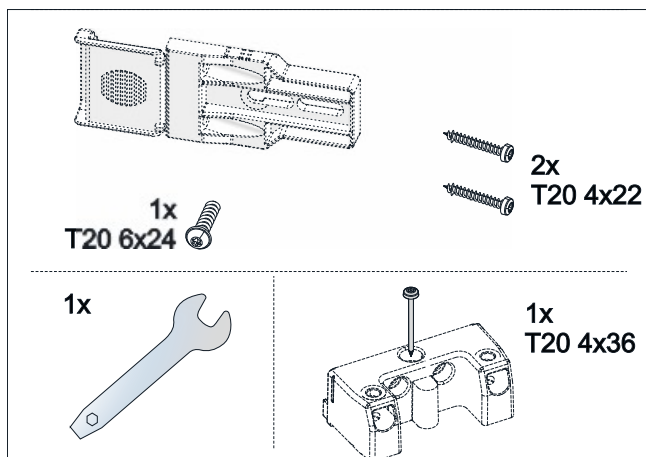


Fig. 18

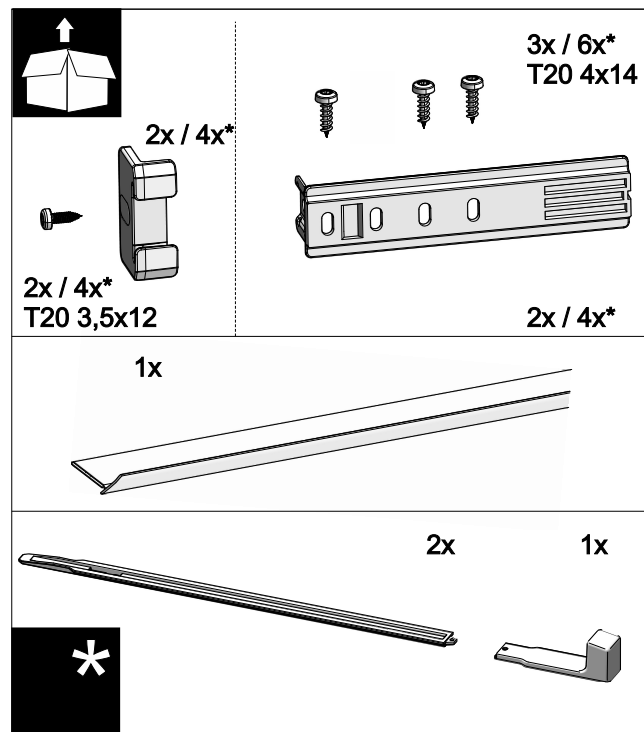


Fig. 19

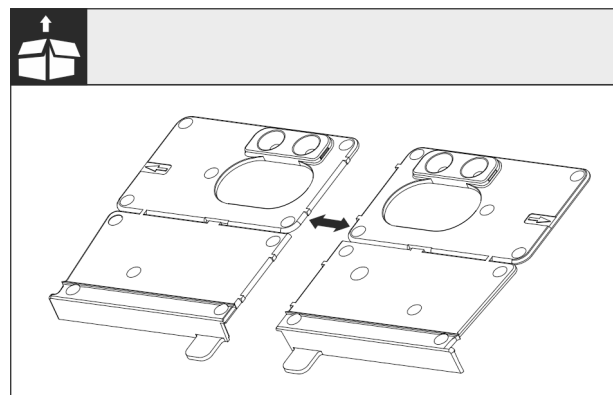


Fig. 20 Floor mounting bracket

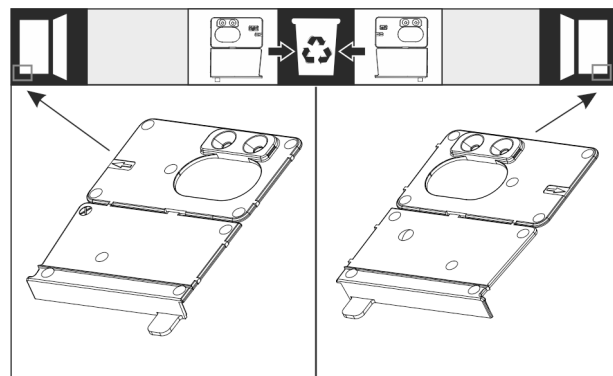


Fig. 21

- Separate the mounting bracket at the perforation. Dispose of either the right or left mounting bracket depending on the opening direction.

Fit the appliance into the recess

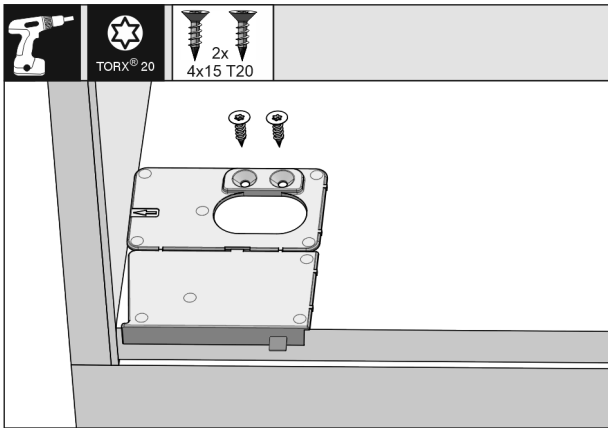


Fig. 22

NOTICE

Correct installation depth of the appliance.

- ▶ Using the mounting bracket ensures the correct installation depth of the appliance.
- ▶ Screw on the mounting bracket on the right or left (depending on the opening direction) flush to the side wall on the floor of the cabinet recess. The mounting bracket is always mounted on the handle side.

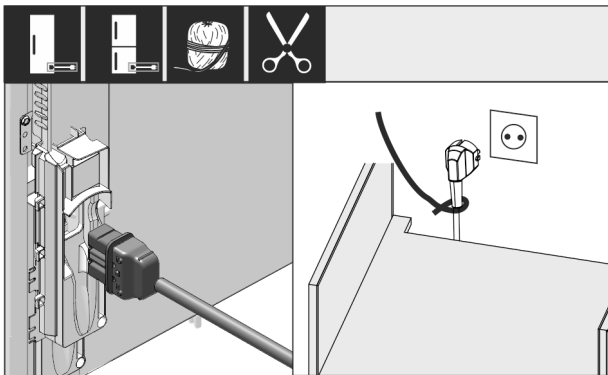


Fig. 23

- ▶ Remove the power cable from the enclosed package.
- ▶ Fully insert the IEC socket of the power cable completely into the appliance plug on the rear side of the appliance. Ensure the IEC socket is firmly in place.
- ▶ Use a string to route the power plug to a socket outlet that is freely accessible.

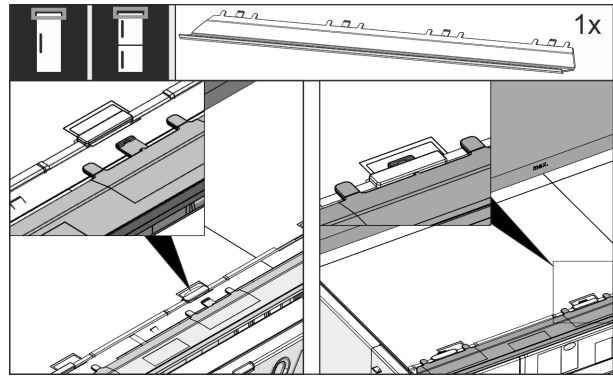


Fig. 24

- ▶ Insert the leveling panel. The panel can be moved to both sides.

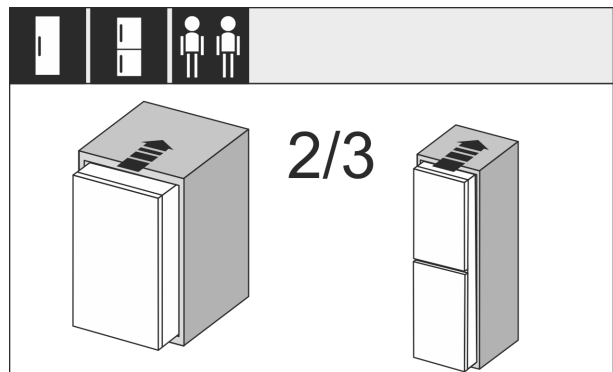


Fig. 25

- ▶ Slide the appliance 2/3 of the way into the cabinet recess.

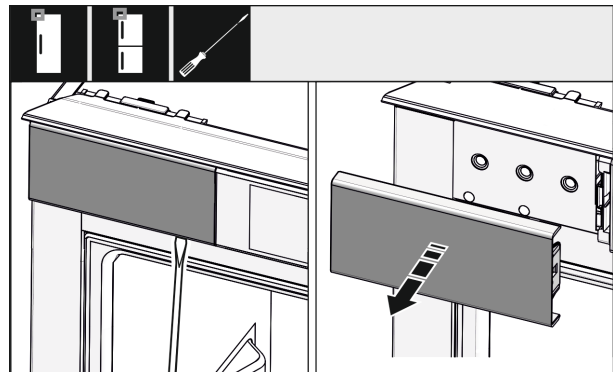


Fig. 26

- ▶ Use a screwdriver to loosen the cover on the top left and then remove it.
- ▶ Remove any other mounted covers.

Fit the appliance into the recess

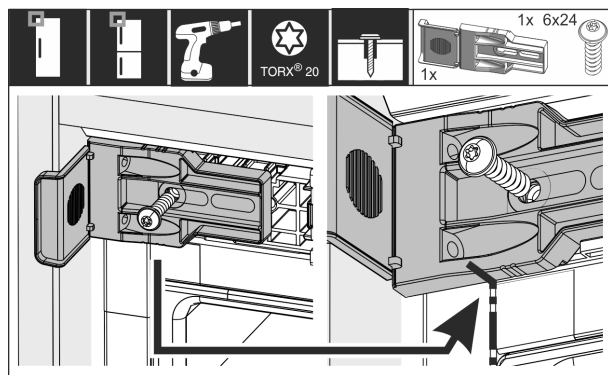


Fig. 27

- Screw on the mounting bracket. The bracket should no longer move. The marking of the mounting bracket should be located on the joint of the housing.

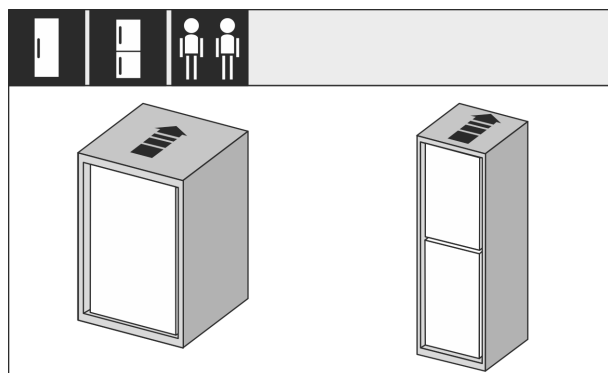


Fig. 28

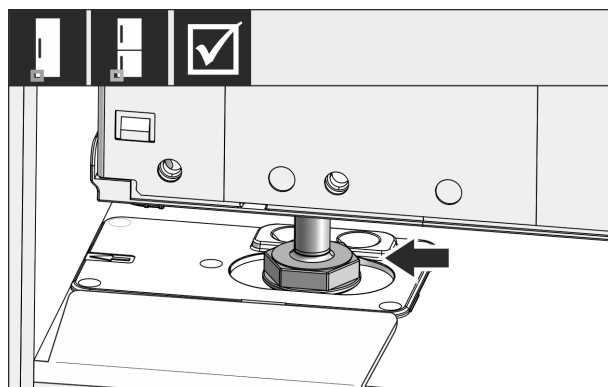


Fig. 29



WARNING

Risk of fire from short circuit!

- If you are pushing the appliance into the recess: Do not kink, trap, or damage the power cable.
- Do not operate the appliance with a defective power cable.

- Now insert the appliance all the way into the unit recess. The adjustable foot must sit in the recess of the mounting bracket.

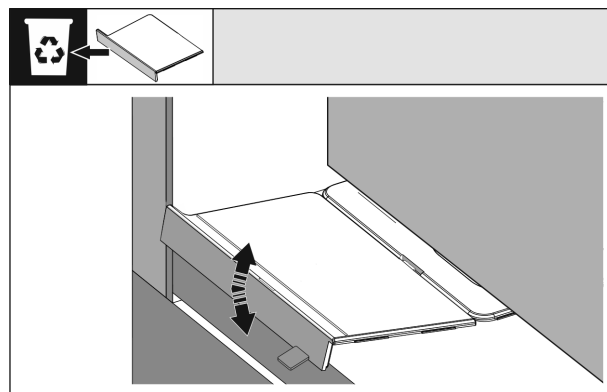


Fig. 30

- Removing the front stopper of the floor mounting bracket: Loosen the stopper by moving it and, if necessary, pull it off using pliers.

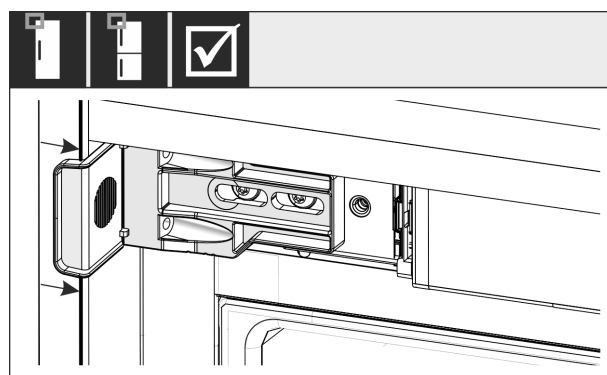


Fig. 31

- Check that the appliance is flush in the cabinet recess. The mounting bracket must be attached to the side wall of the cabinet recess.

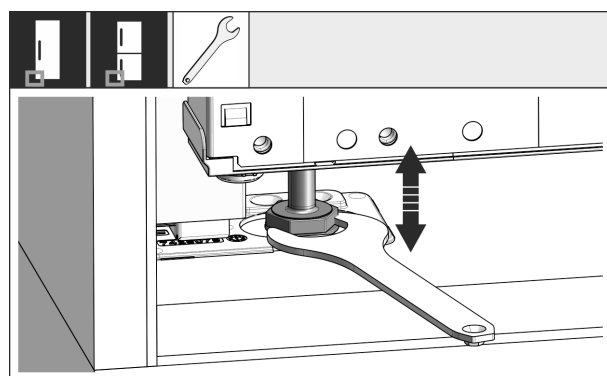


Fig. 32

Fit the appliance into the recess

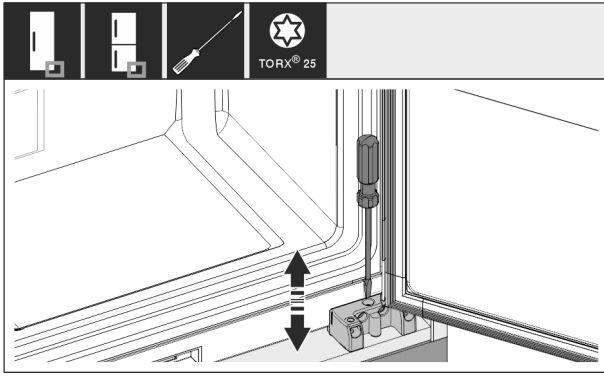


Fig. 33

- If necessary, use the adjustable feet to correct the tilt of the appliance.

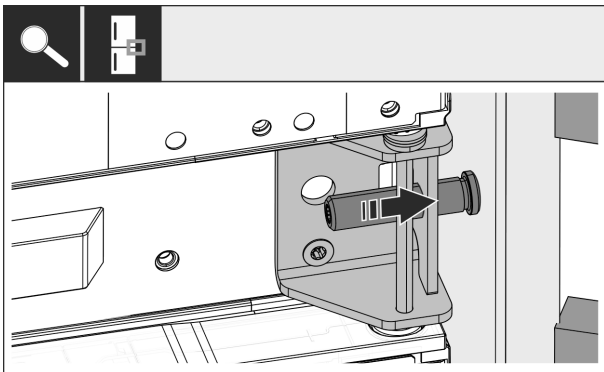


Fig. 34

- For combinations: Secure the appliance into the cabinet recess on the hinge side using the middle bearing block. Make sure that the cabinet wall is not damaged by the adjusting screw.

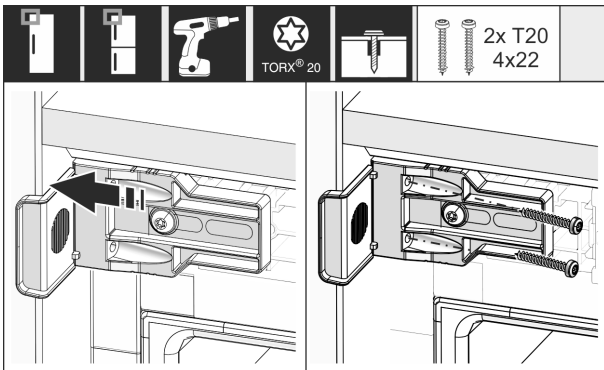


Fig. 35

- Tightly screw the bracket to the side wall of the cabinet recess.

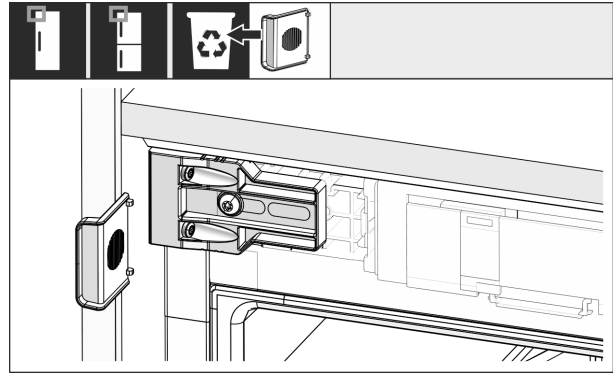


Fig. 36

- Remove the stop from the bracket on the handle side and dispose of it.

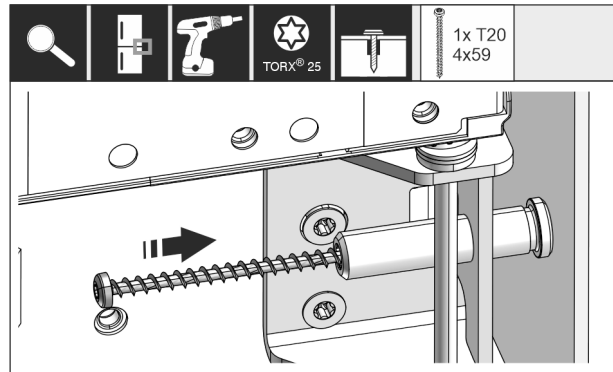


Fig. 37

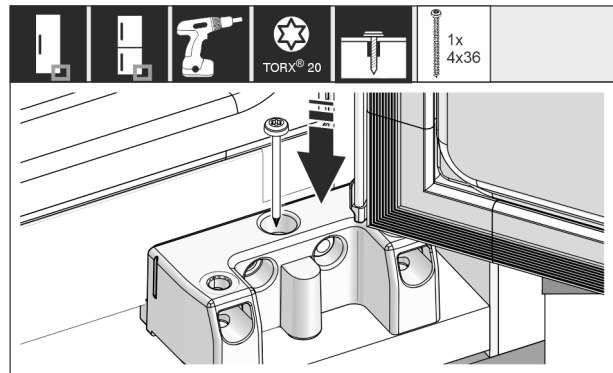
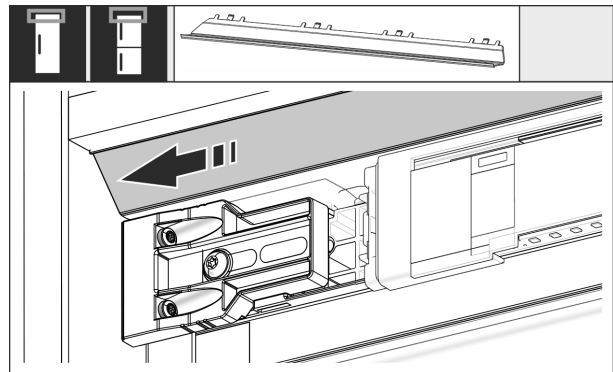


Fig. 38

- Screw the appliance into the recess on the hinge side using the middle and bottom bearing brackets.



Fit the appliance into the recess

Fig. 39

- Move the cover panel so it sits flush on the side of the cabinet wall.

Install leveling rails if the recess height is greater than 1400 mm (55 1/8 in):



Fig. 40

You must install leveling rails underneath the appliance for any recess height that is greater than 1400 mm (55 1/8 in). The leveling rails **minimize the sound level**. Two leveling rails and a mounting handle are included in the enclosed package as standard for recess heights above 1400 mm (55 1/8 in).

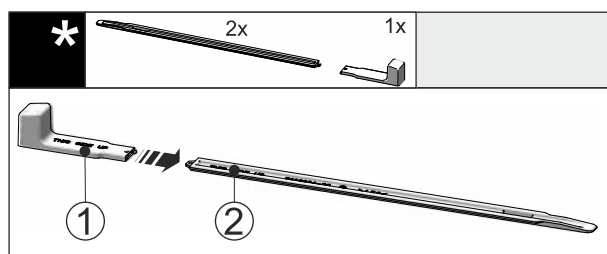


Fig. 41

- Insert the mounting handle Fig. 41 (1) into the leveling rail Fig. 41 (2).

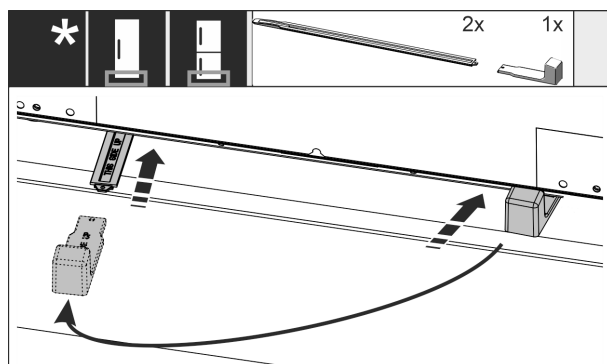


Fig. 42

- Insert the leveling rail into the guide underneath the appliance floor until it reaches the stop.
- Pull off the mounting handle and insert it into the second leveling rail.
- Proceed in the same manner with the second leveling rail.

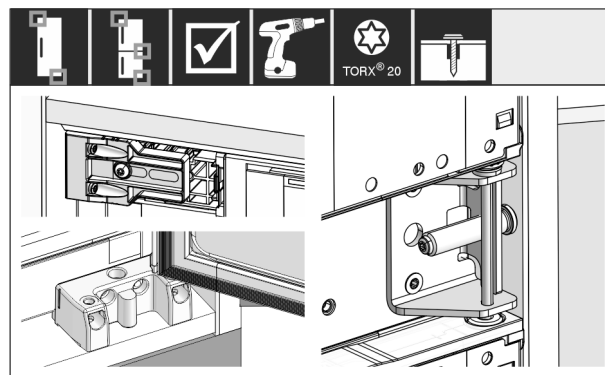


Fig. 43

- Check and retighten all screws.

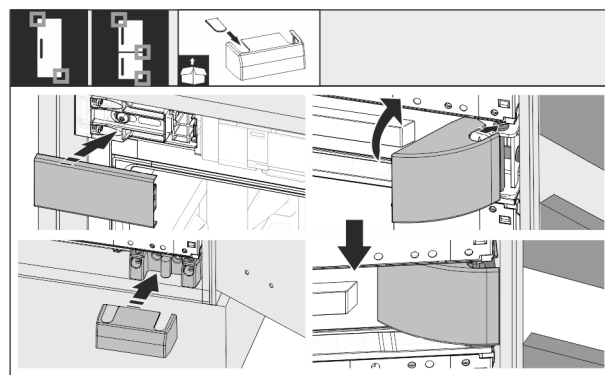


Fig. 44

- Put all covers on.

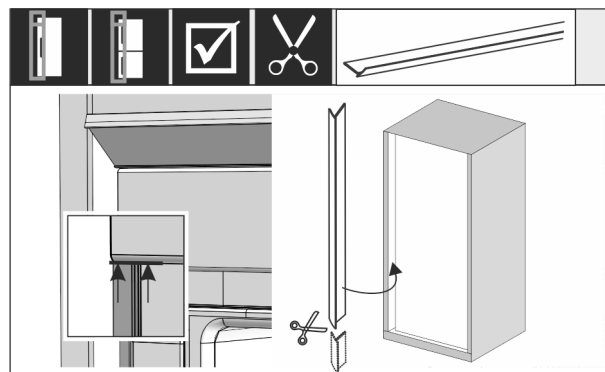


Fig. 45

- If necessary: Shorten the sealing strip as necessary with a sharp pair of scissors.
- Position the sealing strip below the top cover and press it in. The sealing strip is magnetic.

Connecting the appliance to the power supply

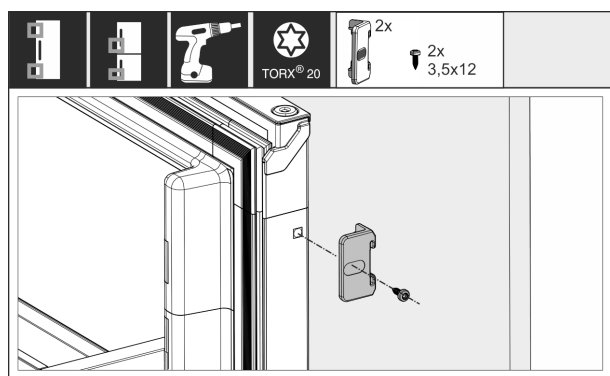


Fig. 46

Attaching the custom panel to the appliance door:

- Open the door fully.
- Mount the bracket onto the appliance door.

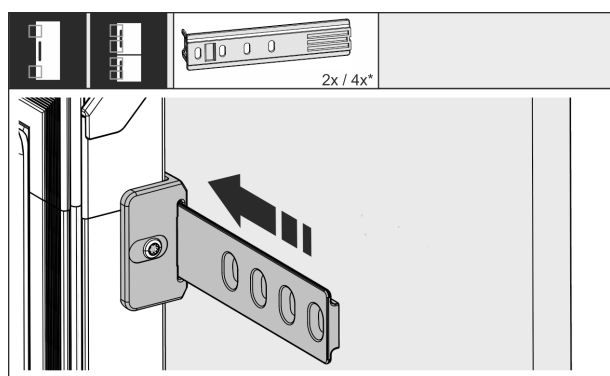


Fig. 47

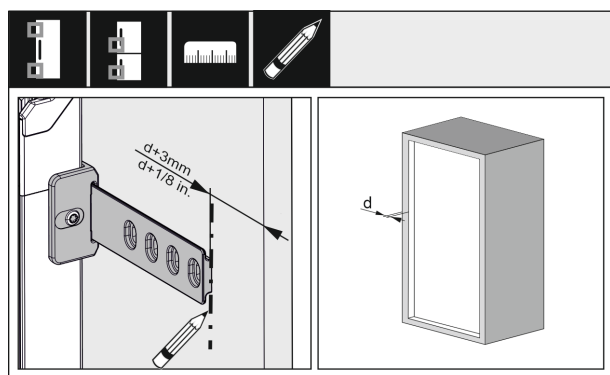


Fig. 48

The gap between the end of the rail and the outer edge of the custom panel is the thickness of the unit side wall + 3 mm (1/8 in).

- Mark using a non-waterproof pen.

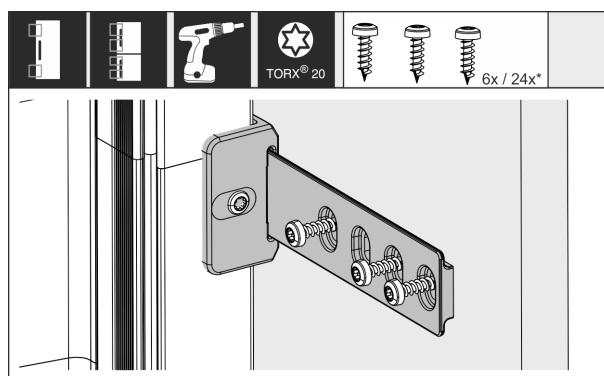


Fig. 49

- Push the rail into the bracket and screw it to the cabinet door.

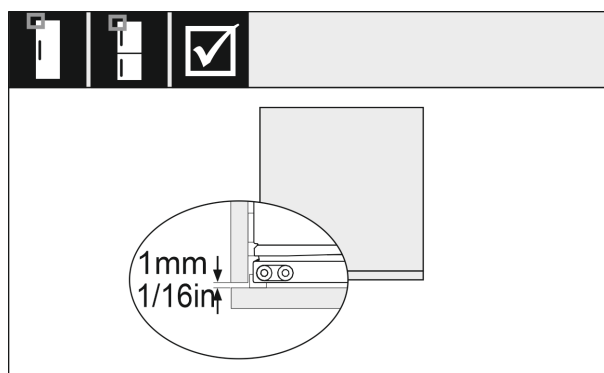


Fig. 50

- Check that the seal runs all the way around the appliance door.
- Make sure the custom panel does not open onto the side wall of the unit recess. Liebherr recommends a minimum gap of 1 mm (1/16 in).

14 Connecting the appliance to the power supply



WARNING

Danger of electric shock and injury due to damaged appliance or damaged mains cable!

Cuts and fatal injury. If the appliance or the mains cable is damaged during transport, you may be electrocuted. You could also cut yourself on damaged parts of the appliance housing.

- Check the appliance and the mains cable for damage after transport.
- Never put the appliance into operation if the appliance or the mains cable are damaged.
- Contact Customer Service.

You can connect your appliance to the mains using the power cable supplied separately. The mains power cable has an appliance coupler at one end and a mains plug at the other end.

Make sure that the following requirements are fulfilled:

Connecting the appliance to the power supply

- The appliance and power cable are undamaged.
- The appliance is installed in accordance with the regulations. (see 13 Fit the appliance into the recess)
- Requirements for the electrical connection are met. (see 2 Installation conditions)
- Dimensions for connection in accordance with regulations are known and observed.
- Mains voltage and frequency correspond to the specifications on the type plate.
- The socket is grounded and fused in accordance with regulations.
- The tripping current for the fuse is between 10 A and 16 A.
- Outlet is easily accessible and is not behind the appliance. (see 4 Recess dimensions)

NOTICE

Danger of damage to incorrect operation!
Damage to the electrical components of the appliance.

- ▶ Only use the supplied power cable.
-

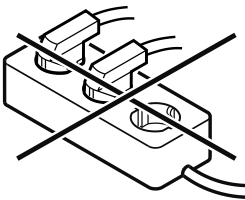


WARNING

Danger of fire due to incorrect connection!
Burns.

Damage to the appliance.

- ▶ Do not use an extension cord.
 - ▶ Do not use a multipoint connector strip.
-



NOTICE

Danger of damage to incorrect connection!
Damage to the appliance.

- ▶ Do not connect the appliance to a stand-alone inverter, e.g. solar power systems and petrol generators.
- ▶ Connect the mains plug of the power cord to the power supply. Ensure the main plug is firmly plugged into the outlet.
- ▶ The Liebherr logo appears in the display.
- ▶ The display switches to the standby symbol.
- ▶ If no action is taken within 60 seconds: Standby symbol fades or disappears.
- ▶ Appliance is connected. For initial commissioning, see the next chapter or the operating instructions.



home.liebherr.com/fridge-manuals

EN Refrigerators and freezers for integrated use, door slider

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