



Installation Guide

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LIEBHERR




General safety instructions

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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.

Symbol	Explanation
	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 (*).
	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-Hausgeräte.

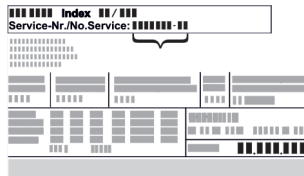
Open-source licenses:

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 serial



tag:

- **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 Setup conditions



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.

Normal use

- Only set up and use the appliance in enclosed spaces.

2.1 Space



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.

- If the appliance is installed in a very damp environment condensate water may form on the outside of the appliance. Always ensure sufficient airflow and ventilation in the setup location.
- The more refrigerant there is in the appliance, the larger the space that it is installed in must be. If the space is too small, any leak may create a flammable mixture of gas and air. For every 8 g (0.28 oz) of refrigerant, the installation space must be at least 1 m³ (35.5 ft³). Specifications on the refrigerant in the appliance can be found on the serial tag plate inside the appliance.

2.1.1 Installation surface

- The floor of the installation site must be horizontal and level.

2.1.2 Installation position

- 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.

Appliance dimensions

2.2 Electrical connection



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.

3 Appliance dimensions

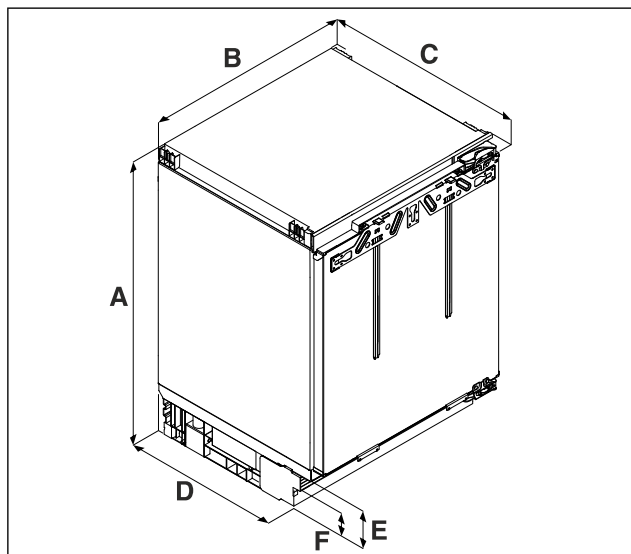


Fig. 1 Example illustration

- (A) Appliance height including feet
(B) Appliance width
(C) Appliance depth

	.. 36..	.. 37..
A	820 mm (32 5/16 in) to 880 mm (34 5/8 in)	860 mm (33 7/8 in) to 920 mm (36 1/4 in)
B	597 mm (23 1/2 in)	
C	550 mm (21 11/16 in)	
D	459 mm (18 1/16 in)	
E	104 mm (4 1/8 in) to 164 mm (6 7/16 in)	
F	61.5 mm (2 7/16 in) to 121.5 mm (4 6/8 in)	

A) Appliance type designation

4 Recess dimensions

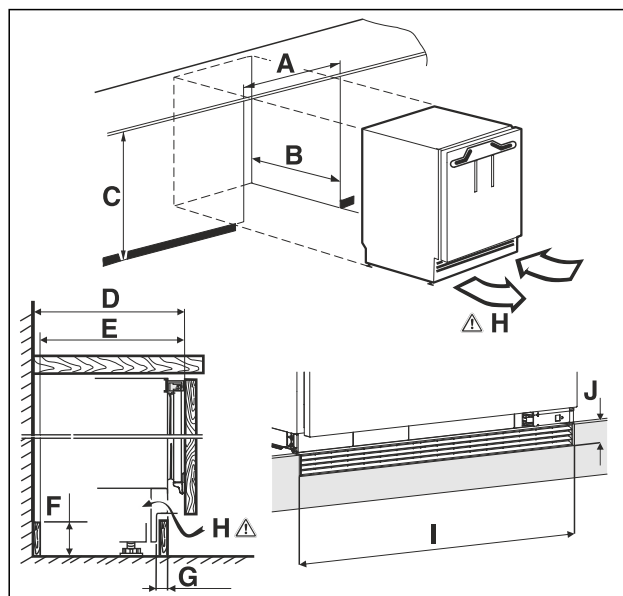


Fig. 2 Example illustration

- (A) Recess width
(B) Recess depth
(C) Recess height
(H) Ventilation cross-section

A	600 mm (23 1/2 in)	
B	at least 560 mm (22 1/16 in)	
C	.. 36.. 820 mm (32 5/16 in) to 880 mm (34 5/8 in)	.. 37.. 860 mm (33 7/8 in) to 920 mm (36 1/4 in)
D	550 mm (21 11/16 in)	
E	540 mm (21 1/4 in)	
F	140 mm (5 1/2 in)	
G	22 mm (7/8 in) to 77 mm (3 in)	
H	150 cm ² (24 in ²)	
I	600 mm (23 1/2 in)	
J	40 mm (1 9/16 in)	

A) Appliance type designation

5 Cabinet front

5.1 Weight of cabinet front

NOTICE

Risk of damage from a heavy unit door!

If the cabinet door is too heavy, damage to the hinges cannot be ruled out with functionality impairments as a result.

- Before installing the cabinet door, ensure that the cabinet door does not exceed the permissible weight.

Recess height	Maximum weight of unit door
.. 36.. ^{A)}	10 kg (22.05 lb)
.. 37.. ^{A)}	10 kg (22.05 lb)

^{A)} Appliance type designation

5.2 Cabinet door

- A door is needed for the kitchen cabinets.
- The door must have a minimum thickness of 16 mm (5/8 in) and a maximum thickness of 19 mm (3/4 in).
- There must be a minimum gap of 3 mm (1/8 in) between the door and the cabinet door above the appliance (if available).
- The width of the cabinet door depends on the style of the kitchen and the size of the gap between the cabinet's door panels. Generally, there should be a vertical gap between the cabinet doors of 3 mm (1/8 in).
- If there are other cabinets, the upper edge of the cabinet door should be at the same height as the doors of the adjacent cabinets.
- The cabinet door must be flush and mounted with no tension.

NOTICE

Risk of damage from a heavy cabinet door!

If the cabinet door is too heavy, damage to the hinges cannot be ruled out with functionality impairments as a result.

- Before installing the cabinet door, ensure that the cabinet door does not exceed the permissible weight.

5.3 Cabinet front dimension

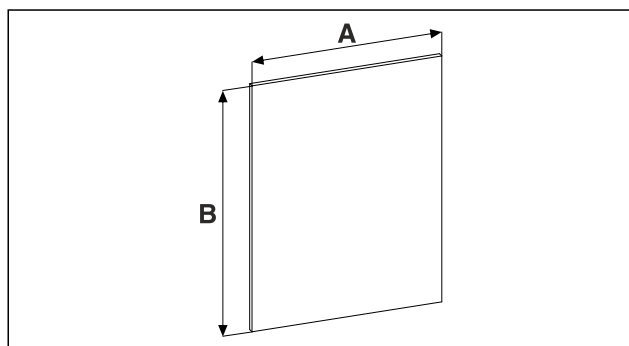


Fig. 3

Recess height	.. 36..	.. 37..
A	595 mm (23 7/16 in)	

Recess height	.. 36..	.. 37..
B	at least 711 mm (28 in), maximum value must not exceed the maximum ventilation cross-section of 150 cm ² (24 in ²).	at least 757 mm (29 13/16 in), maximum value must not exceed the maximum ventilation cross-section of 150 cm ² (24 in ²).

^{A)} Appliance type designation

5.4 Cabinet front dimension of decorative door panel

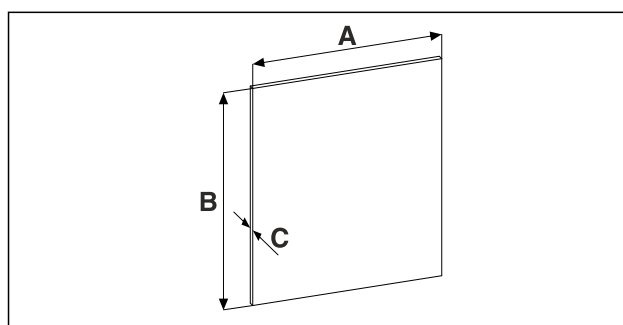


Fig. 4

Recess height	.. 36..
A	585 mm (23 in)
B	678 mm (26 11/16 in)
C	maximum 4 mm (1/8 in)

^{A)} Appliance type designation

5.5 Adjusting the gap dimension without collision

After you have installed the cabinet front(s), you must check to ensure that the cabinet fronts cannot collide.

Transporting the appliance

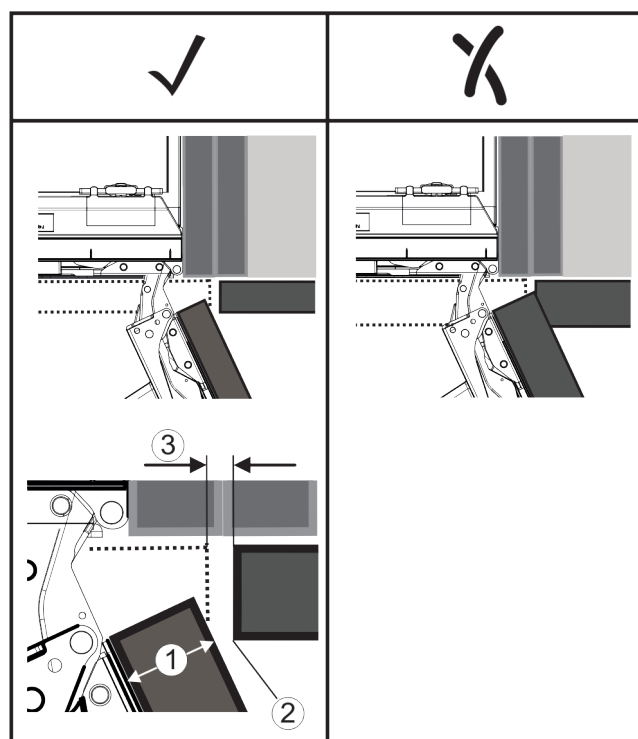


Fig. 5

(1) Front thickness (FD) (3) Gap dimension (S)
(2) Edge radius (R)

	R (2) = 0 in		R = 1/16 in		R = 5/64 in		R = 1/8 in	
FD (1) (in)	G _{min}	G _{max}	G _{min}	G _{max}	G _{min}	G _{max}	G _{min}	G _{max}
5/8	0	1/16	0	0	0	0	0	0
3/4	0	1/8	0	1/16	0	1/8	0	1/16
13/16	1/8	3/16	1/16	1/8	1/16	1/8	1/16	1/8
7/8	1/8	1/4	1/8	1/4	1/8	3/16	1/16	3/16
15/16	1/4	5/16	3/16	5/16	3/16	5/16	3/16	1/4
1	5/16	7/16	1/4	3/8	1/8	3/8	1/4	3/8

Fig. 6 Table gap dimension threshold

G_{min} = lower threshold of the gap dimension in inches

G_{max} = upper threshold of the gap dimension in inches

Note

When making corrections, make sure that the cabinet front matches the general appearance of the front.

Check the collision properties and correct accordingly:

- Determine the front thickness and edge radius.
- In the table Fig. 6 I, read the threshold for the gap dimension.
- Compare the gap dimension with the values in the table.
- Perform one of the following action steps depending on the calculated gap dimension.

Gap dimension	Description
$S > G_{max}$	If the gap dimension is larger than the two thresholds, no correction is necessary.

Gap dimension	Description
$S < G_{min}$	If the gap dimension is below than the thresholds, you must increase the gap dimension. Another option is to increase the edge radius.
$G_{min} \leq S \leq G_{max}$	If the gap dimension is between the two thresholds, ensure that your work is accurate. Collisions can quickly occur in such cases.

6 Transporting the appliance

Observe the following when transporting the appliance:

- Transport the appliance upright.
- Use two people when transporting the appliance.

During the first use:

- Transport the appliance packaged.

During appliance transport or at first use (e.g. when moving or cleaning):

- Empty the appliance.
- Secure the door against undesired opening.

7 Unpacking the appliance

NOTICE

Risk of damage for the finished floor surface!

- Protect the finished floor surface before you uncrate the unit.

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 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.

9 Recessed installation

9.1 Tool

Make sure that the following tools are available:

- Torx® 20
- Slotted screwdriver
- Measuring tape
- Pencil
- String
- Level

Before pushing the appliance into the recess, observe the fastening method:

Lateral fastening	Ceiling fastening
Substructure under hard countertop such as granite	No granite plate
The appliance is lower than the countertop when the adjustable feet are fully extended.	The appliance sits slightly braced under the countertop when the adjustable feet are fully extended.
Unit side panel is available for screwing.	

9.2 Preparing the appliance

Make sure that the following requirements are fulfilled before you install the appliance in a recess:

- The door hinge has been mounted. You can only mount the door hinge outside of the recess, because you need sufficient space to do so.
- 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.

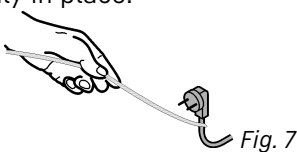


Fig. 7

NOTICE

Risk of damage when moving the appliance!
When moving the appliance, you may damage the floor or the appliance's adjustable feet may break off.

Before moving it:

- Turn the adjustable feet in fully.
- Place one strip of cardboard (e. g. from the packaging) under each adjustable foot with approx. 100 mm (3 5/16 in) x 600 mm (23 1/2 in).

While moving:

- Move the appliance carefully.
- If the floor is not level: Lift the appliance carefully.

After moving it:

- Remove the cardboard strips.

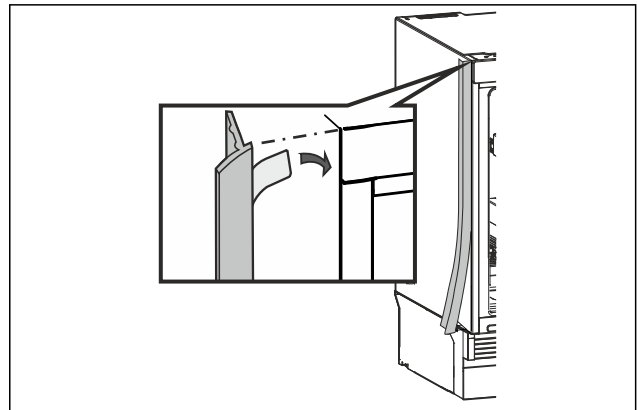


Fig. 8 Example illustration

- For 600 mm (23 1/2 in) wide recess: Do not use piping.
- For 610 mm (24 in) wide recess: Attach piping to the side.
- Appliance rests against neighboring unit on the right: Install piping on the left.
- Appliance rests against neighboring unit on the left: Install piping on the right.
- Place the piping at the top below the upper edge and glue it to the side panel. Do not shorten the piping.

9.3 Fastening the appliance to the ceiling

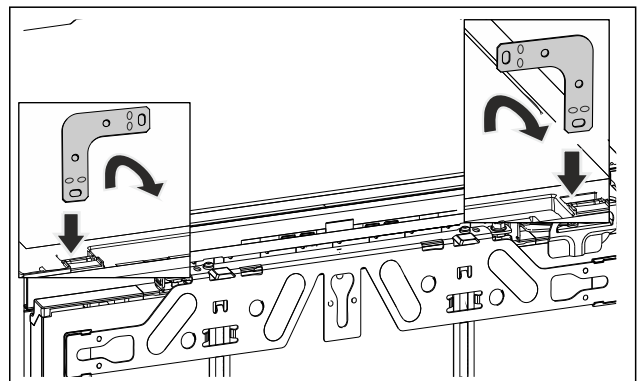


Fig. 9 Example illustration

Recessed installation

- ▶ Insert the bracket into the opening in the appliance ceiling and bend it forward.



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.
- ▶ Push the appliance into the recess and align it, see point (see 9.5 Leveling out the appliance) .

9.4 Fastening the appliance laterally

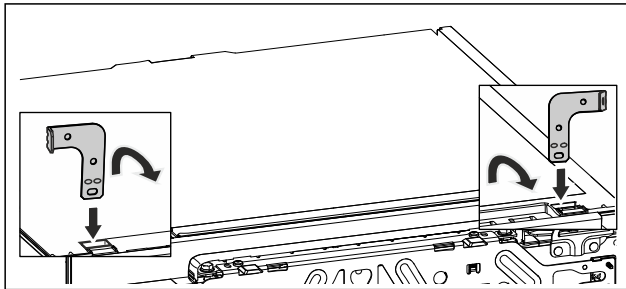


Fig. 10 Example illustration

- ▶ Bend both brackets at one end before installing. Insert the straight side into the opening in the appliance ceiling and bend it forward.



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.
- ▶ Push the appliance into the recess and align it, see point (see 9.5 Leveling out the appliance) .

9.5 Leveling out the appliance

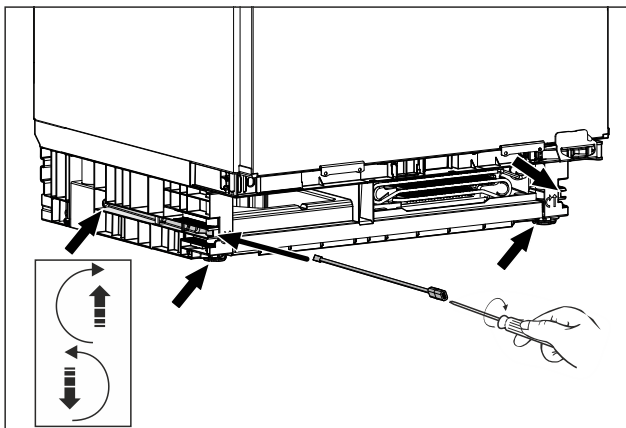


Fig. 11 Example illustration

- ▶ Unscrew the adjustable feet to below the worktop.
- ▶ Align the appliance so it stands up straight using a level.

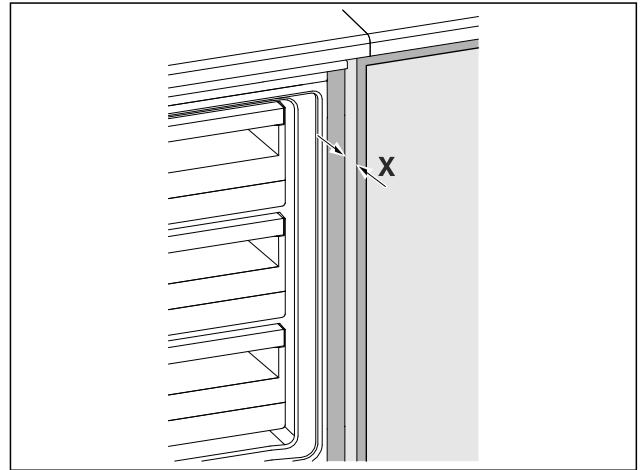


Fig. 12 Example illustration

- ▶ The distance from the front edge of the unit side panel to the appliance body on both sides is $X = 41.5 \text{ mm (1 5/8 in.)}$.
- ▶ If there is no unit side panel, use the worktop as a guide.
For units with door hinge parts (knobs, sealing lips, etc.):
- ▶ Subtract the installation dimension (depth of the door hinge parts) from the 41.5 mm (1 5/8 in) insertion depth.
- ▶ Unscrew the adjustable feet alternately to the maximum. The maximum adjustment range is 60 mm (2 3/8 in).
- ▶ The appliance is aligned so it stands up straight
- ▶ The appliance is slightly braced in the recess between the floor and worktop.

9.6 Installing the base

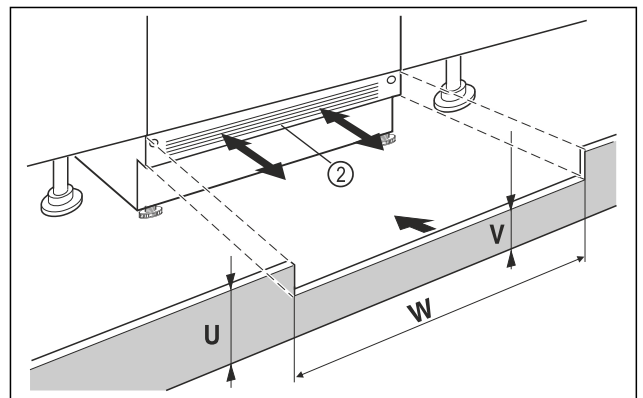


Fig. 13 Example illustration

- ▶ Put on the appliance base cover Fig. 13 (2) but do not fix it yet.
- ▶ Position the unit door and unit base cover for testing
- ▶ If the base cover Fig. 13 (2) is visible, pull it so far forward that the front edge of the ventilation grille and the unit base cover form one level.

-or-

- If the base cover is concealed Fig. 13 (2), push it all the way back.
- Ensure that the ventilation slots are completely free: If necessary, cut the height of the unit base cover Fig. 13 (U) to size!
- Adjust the bar height Fig. 13 (V) under the appliance base cover Fig. 13 (2) along the recess width Fig. 13 (W).

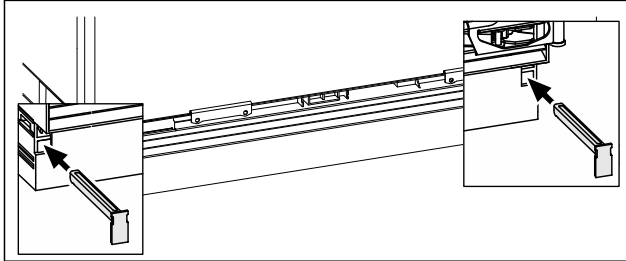


Fig. 14 Example illustration

- Fix the appliance base cover: Insert the latch while holding the appliance base cover.
- Fasten the unit base cover.

9.7 Fastening the appliance in the recess

Ceiling fastening:

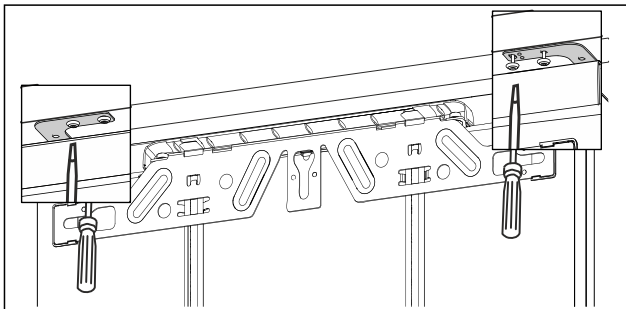


Fig. 15 Example illustration

- For fastening under the worktop, screw on the mounting brackets with two screws each underneath the worktop.

Lateral fastening:

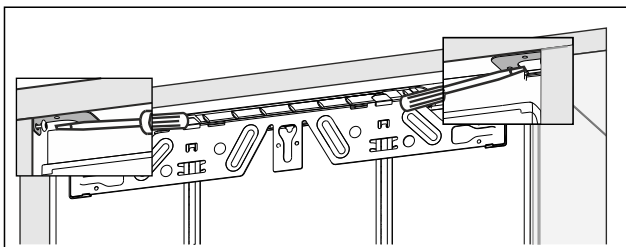


Fig. 16 Example illustration

- For lateral fastening, screw the mounting bracket into the recess with one screw each on the right and left.

10 Installing the unit door

- Install the handle on the unit door

Note

To ensure that the pull-out trolley is pulled out evenly:

- Always install the unit door handle on the center of the unit door.

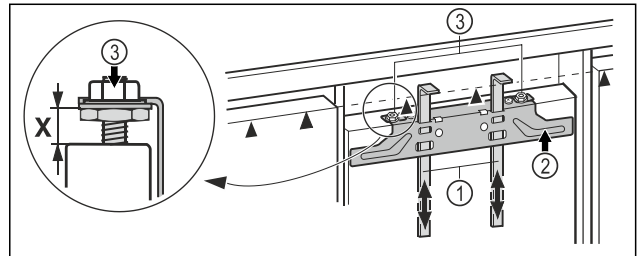


Fig. 17

- Check the presetting of $X = 8 \text{ mm}$ (5/16 in). (Distance between appliance door and lower edge of crossbeam)
- Push the assembly aids Fig. 17 (1) up to the height of the unit door. Lower stop edge ▲ of the assembly aid = upper edge of the unit door to be assembled.
- Unscrew the fastening crossbeam Fig. 17 (2) using the lock nuts Fig. 17 (3).

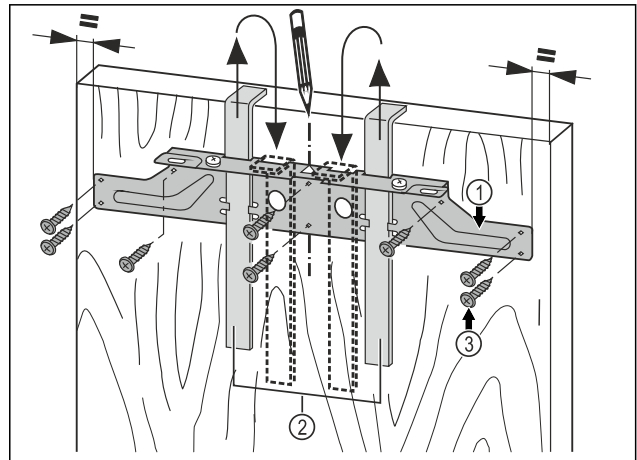


Fig. 18

- Hang the fastening crossbeam Fig. 18 (1) with the assembly aids Fig. 18 (2) on the inside of the unit door.
For 600 mm (23 1/2 in) wide recess:
- Align the fastening crossbeam Fig. 18 (1) in the center of the door.

Installing the unit door

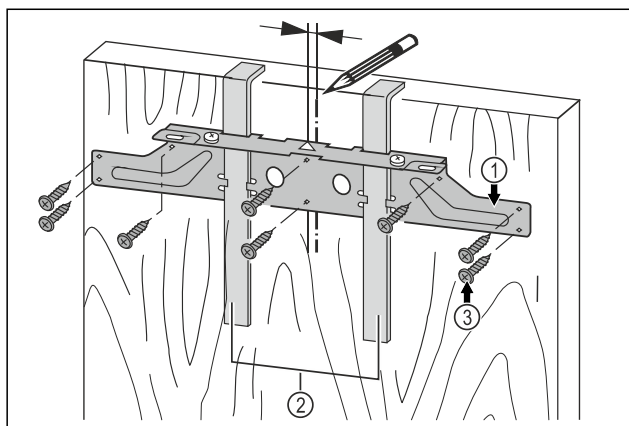


Fig. 19

For 610 mm (24 in) wide recess:

- Align the fastening crossbeam Fig. 19 (1) in the center of the door.
- Left piping: Move the fastening crossbeam Fig. 19 (1) 6 mm (1/4 in) to the left.

-or-

- Right piping: Move the fastening crossbeam Fig. 19 (1) 6 mm (1/4 in) to the right.

For particle board doors:

- Screw down the fastening crossbeam Fig. 18 (1) with at least 6 screws Fig. 18 (3).

For panel doors:

- Screw down the fastening crossbeam Fig. 18 (1) to the edge with 4 screws Fig. 18 (3).
- Pull out the assembly aids Fig. 18 (2) upwards and insert them rotated into the adjacent openings.

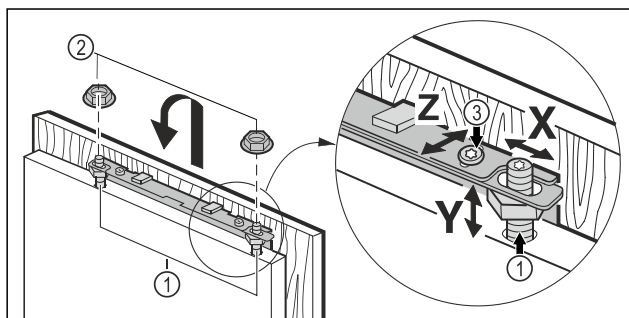


Fig. 20

- Hang the unit door on the adjustment bolts Fig. 20 (1) and screw the lock nuts Fig. 20 (2) loosely onto the adjustment bolts.
- Close the door.
- Check the door spacing to the surrounding unit doors.
- Align the unit door laterally: Move the unit door in X direction.
- Align the height Y and lateral inclination of the unit door: Set the adjustment bolts Fig. 20 (1) with a screwdriver.
- The unit door is flush and aligned with the surrounding cabinet fronts.
- Tighten the lock nuts Fig. 20 (3).

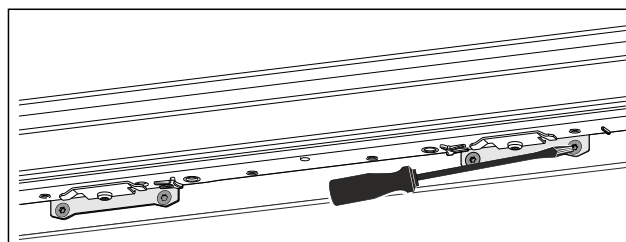


Fig. 21

- Screw the unit door to the appliance door.
- Pre-drill the mounting holes in the unit door (if necessary, pre-punch with a graver).
- Screw the appliance door to the unit door using screws through the mounting brackets.

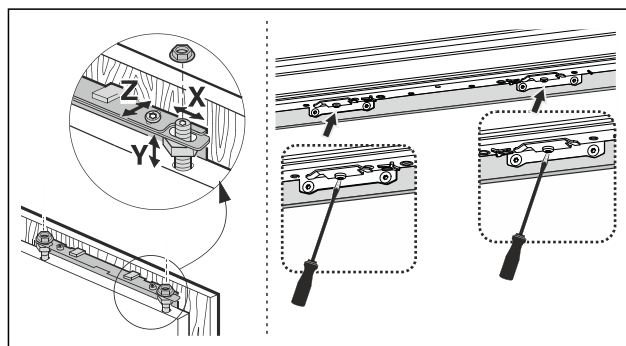


Fig. 22

- Align the unit door in depth Z : release the screws at the top and bottom of the door, then move the door.
- Do not let the knobs and sealing lips touch - this is important for the function!
- Set an air gap of 2 mm (1/16 in) between the unit door and cabinet carcass.

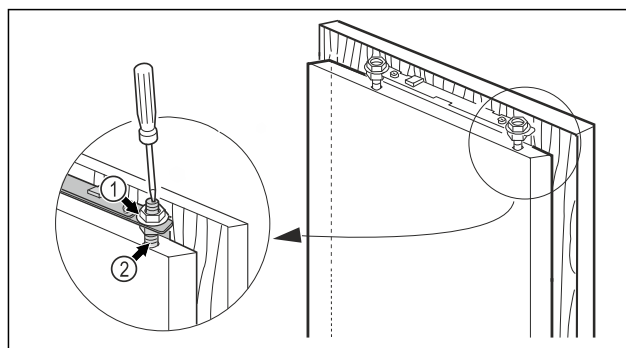


Fig. 23

- Check the fit of the door and readjust if necessary.
- Tighten all screws.
- Tighten the lock nuts Fig. 23 (1) with a hexagon wrench 13, holding the adjustment bolt Fig. 23 (2) with a screwdriver.

Connecting the appliance to the power supply

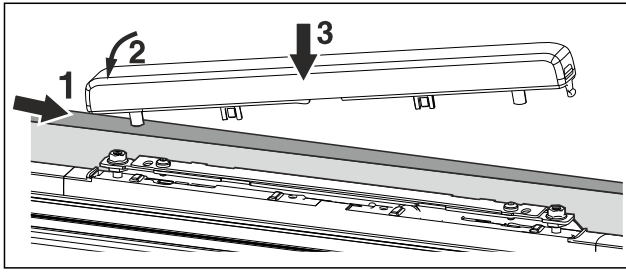


Fig. 24

- Put on the top cover and snap it in place.

11 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:

- The appliance and power cable are undamaged.
- The appliance is installed in accordance with the regulations. (see 9 Recessed installation)
- Requirements for the electrical connection are met. (see 2 Setup 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.

NOTICE

Danger of damage to incorrect operation!

Damage to the electrical components of the appliance.

- Only use the supplied power cable.



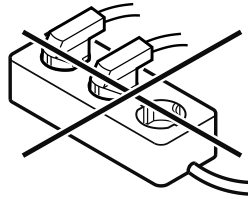
WARNING

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.
- 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.



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EN Under-worktop refrigerators and freezers, pull-out drawers

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