

Installation Guide

Quality, Design and Innovation



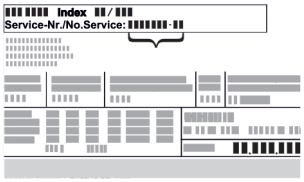
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LIEBHERR

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The manufacturer is continually working on the further development of all types and models. 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 on the Internet** The digital manual with additional information can be found via the QR code on the front of the manual or by entering the service number at **home.liebherr.com/fridge-manuals**. The service number can be found on the serial tag:  *Fig.* Example illustration

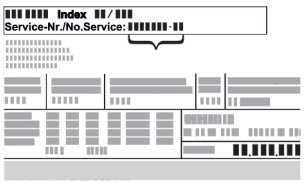
Symbol	Explanation
	**Check appliance** Check all parts for transport damage. If you have any complaints, please contact your agent or customer service.
	**Differences** These instructions apply to a range of models, so differences are possible. Sections that apply to certain models only are marked with 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 channels of Liebherr-Hausgeräte.

Open source licences:

The appliance contains software components that use open source licences. Information on the open source licences used can be found here: **home.liebherr.com/open-source-licences**

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 next user.
- Read this assembly manual carefully before installation and use to ensure safe and correct use of the appliance. 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	identifies a situation involving direct danger which, if not obviated, may result in death or severe bodily injury.
	WARNING	identifies a dangerous situation which, if not obviated, may result in death or severe bodily injury.
	CAUTION	identifies a dangerous situation which, if not obviated, may result in minor or medium bodily injury.

*** Depending on model and options**

	NOTICE	identifies a dangerous situation which, if not obviated, may result in damage to property.
	Note	identifies useful instructions and tips.

2 Installation requirements

The installation conditions are crucial to ensure that you can operate your appliance safely, efficiently and without problems.

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

WARNING
Danger of fire due to incorrect positioning!
If the mains cable or plug touches the back of the appliance, the vibration can damage the mains cable or the plug resulting in a short circuit.

▶ Make sure the mains cable is not trapped under the appliance when you position the appliance.
▶ Stand the appliance so that it is not touched by connectors or main cables.
▶ Do not connect any appliances to sockets in the area of the back of the appliance.
▶ Do **not** place and operate multi-sockets/power distributors and other electronic devices (such as halogen transformers) at the back of the appliances.

WARNING
Fire hazard due to dampness!
If live parts or the mains lead become damp this may cause short circuits.

▶ The appliance is designed for use in enclosed areas. Do not operate the appliance outdoors or in areas where it is exposed to splash water or damp conditions.

WARNING
Risk of fire due to leaking refrigerant and oil!
The refrigerant inside the appliance is environmentally friendly, but flammable. The oil it contains is also flammable. Escaping refrigerant and oil can ignite in high concentrations and in contact with an external heat source.

▶ Do not damage the refrigerant circuit pipes or the compressor.

2.1 Installation site

- Only set up and use the appliance in enclosed spaces.
- Only operate the appliance when it is installed.
- If the appliance is installed in a very damp environment, condensation may form on the appliance exterior. Always make sure there is good ventilation and aeration at the installation site.
- The more refrigerant there is in the appliance, the larger than room must be in which it is located. In rooms that are too small, a leak can product a flammable gas/air mixture. For every 8 g of refrigerant, the installation room must be at least 1 m^3 in size. Information on the refrigerant contained is given on the type plate inside the appliance.
- The floor on which the appliance stands must be horizontal and level.

2.2 Position in space

- Do not install the appliance in direct sunlight or near radiators or similar sources of heat.
- You can install the appliance directly next to an oven.
- If the appliance is installed directly next to an oven, the energy consumption may increase slightly. This is dependent on the service life and usage intensity of the oven.
- Only fit the appliance into solid units.
- Use in hazardous areas is not permitted.

3 Appliance dimensions

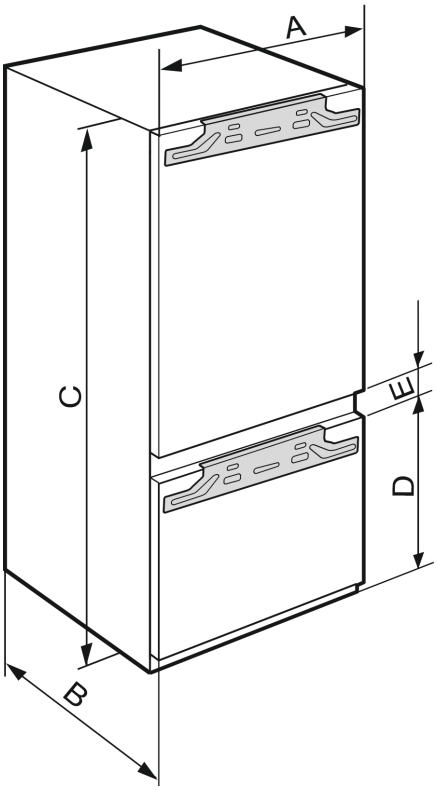


*Fig. 1 **

IC(B)N(h).. 51..	
A (mm)	559
B (mm)	546
C (mm)	1770
D (mm)	695
E (mm)	15

Niche height 1780 - combinations with 3 freezer compartments

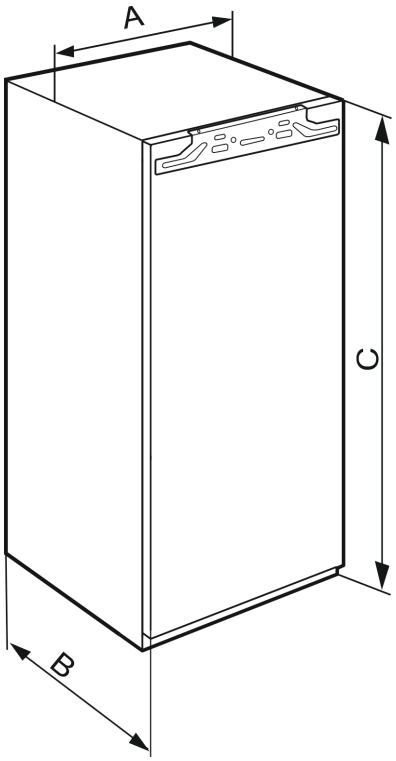


*Fig. 2 **

IRB(P)h 51.. / SIFNh 51..	
A (mm)	559
B (mm)	546
C (mm)	1770

Niche height 1780 - single-door appliances

4 Recess dimensions

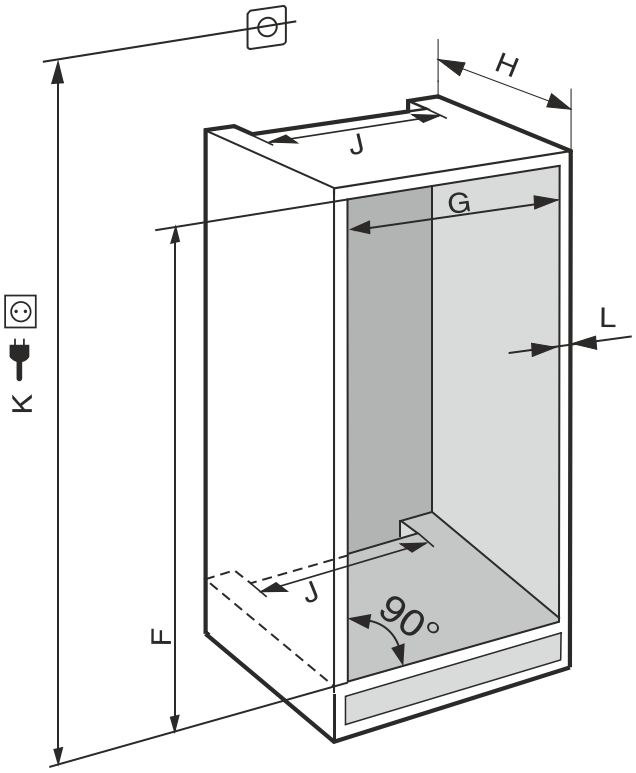


*Fig. 3 **(K):** max. 2100 mm*

Observe the following information for devices with a fixed water connection:

- Water connection (see 7 Water connection*)
- Connecting the device to the water supply (see 14 Connecting the appliance to the water supply*)

IRB(P)h 51.. / IC(B)N(h) 51.. / SIFNh 51..	
F (mm)	1772 to 1788
G (mm)	560 to 570
H (mm)	min. 550, recommended 560
J (mm)	min. 500
L (mm)	max. 19

The specified energy consumption was determined with a kitchen unit depth of 560 mm. The appliance will work properly at a kitchen unit depth of 550 mm, but with a slightly higher energy consumption.

▶ Check the wall thickness of adjacent cabinets: They must have a minimum of 16 mm .
▶ Only fit the appliance into stable, solid kitchen units. Secure the unit against tipping.
▶ Align the cabinets with a spirit 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 operational impairments.

▶ Always make sure there is good ventilation.
▶ Always keep vents or ventilation grids in the appliance housing and in the kitchen furniture (fully integrated appliance) unobstructed.
▶ Always keep the fan air vents unobstructed.

Always follow the required ventilation gaps:

- The depth of the ventilation shaft at the back of the cabinet must be at least 38 mm.
- At least 200 cm^2 is required for the ventilation gap cross sections in the plinth and the housing cabinet.
- As a rule, 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 cm^2. 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 Custom panel weights

NOTICE
An excessively heavy custom panel can potentially cause damage!
If the custom panel is too heavy, damage to the hinges cannot be ruled out, which may compromise the functionality of the unit.

▶ Before fitting the custom panel, ensure the custom panel does not exceed the permissible weight.

*** Depending on model and options**

Recess height (mm)*	Maximum weight of custom panel (kg)*
720	16
880	16
1020	13
1220	19
1400	21
1580	22
1780	26

Single-door fridges and freezers

Niche height (mm)*	Maximum weight of custom panel (kg)*	
	Fridge compartment door*	Freezer compartment door*
1780	18	12

Customising combinations

7 Water connection*

If your appliance has a fixed water connection, a hose is supplied with it.

Note
You can purchase a hose of a different length as an accessory.

Overview of dimensions for the water connection:	(see 7 Water connection*)
Requirements for the water pressure:	(see 7 Water connection*)
Make the water connection:	(see 14 Connecting the appliance to the water supply*)

7.1 Dimensions for the water connection

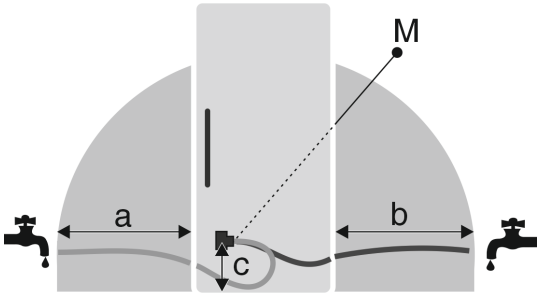


Fig. 4

(a) Maximum available hose length*
(b) Maximum available hose length*
(c) Distance of solenoid valve to floor*
(M) Solenoid valve*

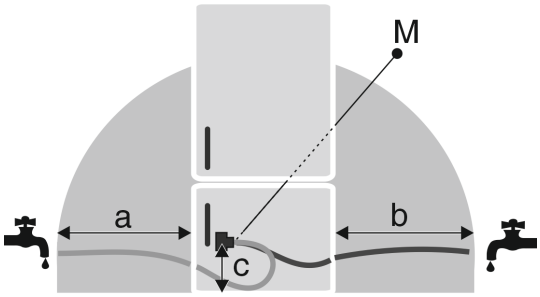


Fig. 5

(a) Maximum available hose length*
(b) Maximum available hose length*
(c) Distance of solenoid valve to floor*
(M) Solenoid valve*

7.2 Water pressure

The water connection line and solenoid valve of the appliance are suitable for a water pressure of up to 1 MPa (10 bar).

To ensure that the appliance functions correctly (flow rate, ice cube size, noise level), maintain the following water pressure:

Water pressure:	
bar	MPa
1.5 to 6.2	0.15 to 0.62

If the pressure is higher than 6.2 bar:

▶ Fit a pressure reducer.
▶ Make the water connection. (see 14 Connecting the appliance to the water supply*)

8 Transporting the appliance

8.1 Transporting the appliance for initial use

Ensure that the following requirements are met:

❑ The appliance is packaged.
❑ The appliance is upright.

▶ Transport the appliance with the help of two people.
▶ Unpacking the appliance. (see 9 Unpacking the appliance)

8.2 Transporting the appliance after initial use

Observe the following instructions if you wish to transport or move the appliance again after initial use.

Ensure that the following requirements are met:

❑ The appliance is emptied.
❑ The appliance is upright.
❑ Appliance with door(s): Door is secured against accidental opening.
❑ Appliance with telescopic unit: The telescopic unit is secured against accidental opening.
❑ Appliance is removed.

▶ Transport the appliance with the help of two people.

9 Unpacking the appliance

NOTICE
Risk of damage if the unit is moved!
If you move the unit across the floor without any protection, it may damage the floor.

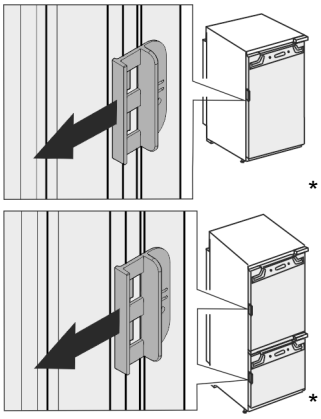
▶ Make sure you cover the floor properly before removing the packaging from the unit.

▶ Check the appliance and packaging: If you suspect that the goods have been damaged in transit, please contact the supplier before connecting them.

NOTICE
Damage to property caused by pointed or sharp objects!
Using pointed or sharp objects when removing packaging material may damage the appliance.
▶ Do not use any pointed or sharp objects to remove the packaging material.

▶ Remove the packaging materials.

10 Removing the transport lock


*

▶ Remove the transport lock from the appliance door.

11 Installing multiple appliances

The appliances have been developed for different installation methods. If you wish to install several appliances next to each other or on top of each other, ensure that the following requirements are met:

❑ Only install appliances next to or on top of each other if they have been developed for this.
❑ Observe notices and the following table.

NOTICE
Risk of damage due to condensate!
▶ Do not place the appliance directly next to another cooling/refrigeration unit.

NOTICE
Risk of damage due to condensation!
▶ Do not place the appliance directly on top of another cooling/refrigeration unit.

Model	Installation method
All models	Standalone
Models with a model designation starting with **S...**.	Side-by-Side (SBS)
Models up to a maximum niche height of 880 mm and with a heated ceiling can be installed “on top of each other”. Top appliance: up to a maximum niche height of 140 mm	On top of each other

Models and their installation method

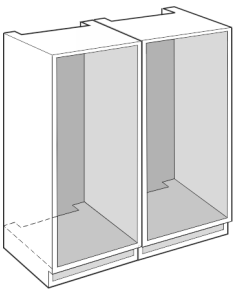


Fig. 6
Install each appliance into a separate unit niche.

12 Explanation of symbols used

	There is a danger of injury during this step! Observe the safety instructions!
	The instruction is valid for several models. Only perform this step if it applies to your appliance.
	For installation, please refer to the detailed description in the text section of the instructions.
	Section is valid for either a single-door appliance or a double-door appliance.
	Choose between the following options: Appliance with door hinge on the right or appliance with door hinge on the left.
	Installation step required for IceMaker and/or InfinitySpring.
	Only loosen or lightly tighten the screws.
	firmly tighten the screws.
	Check whether the following step is necessary for your model.
	Check that the components used are correctly installed/fitted.
	Measure the specified dimension and correct if necessary.

* Depending on model and options

	Tool for installation: Metre stick
	Tool for installation: Cordless screwdriver and use A lengthwise bit insert is recommended for good access to the screws.
	Tool for installation: Spirit level
	Tool for installation: Open-end wrench with AF 7 and AF 10
	Two people are required for this step.
	The step takes place at the marked location on the appliance.
	Aid for installation: String
	Aid for installation: Protractor
	Aid for installation: Screwdriver
	Aid for installation: Scissors
	Aid for installation: Marking pen, wipeable
	Included: Remove components
	Dispose of components that are no longer required in accordance with local regulations.

13 Reversing the door

Tool



Fig. 7

NOTICE
Live parts!
Damage to electrical components.
▶ Remove the mains plug before you reverse the door.

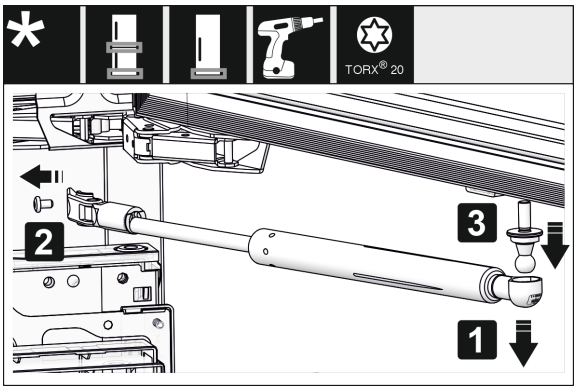


*Fig. 8 **

▶ Removing the soft stop damper: Remove the soft stop damper from the ball stud (1). Unscrew the retainer (2). Remove the ball stud with a screwdriver (3).*

Note
If the closing damper is only slightly above the floor, you can only remove the ball pins when the door is removed.*

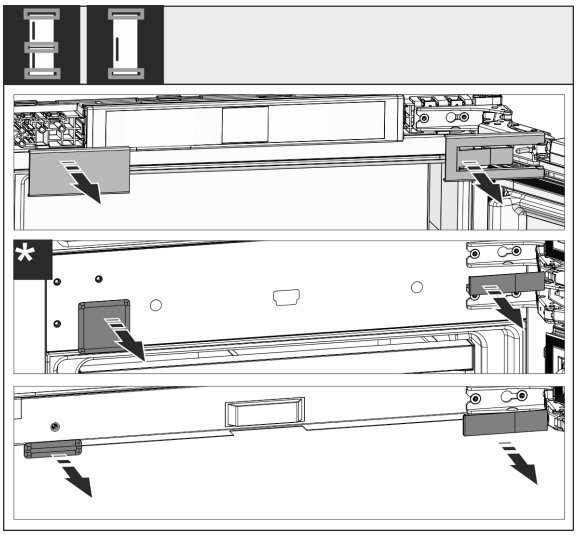


Fig. 9

▶ Remove covers.

Note
When removing the covers, ensure that the surface does not get scratched.

Reversing the door

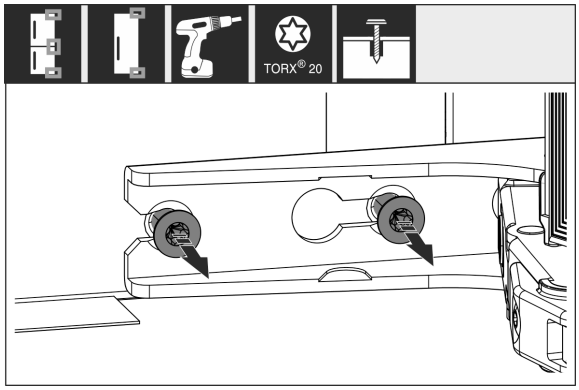


Fig. 10

- ▶ Loosen the screws on **all** hinges but do not remove them.
- ▶ Removing the door: Push the door forward and then out, unhang it and put it to one side.

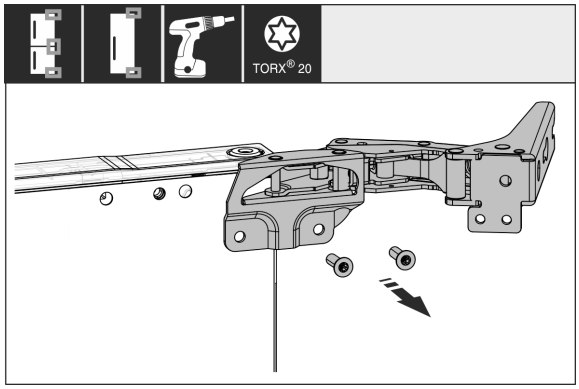


Fig. 11

- ▶ Unscrew all hinges and set aside together with the screws.

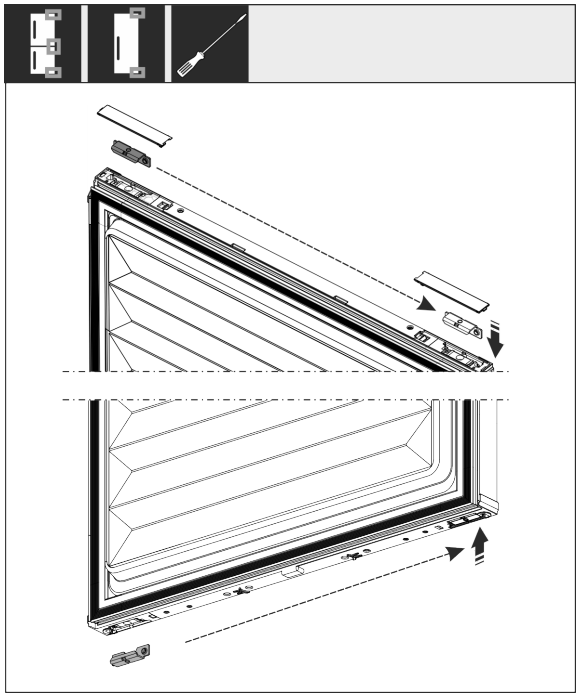


Fig. 12

- ▶ Loosen and shift the bracket at the top and bottom of the door. The bracket must be shifted so you can screw on the hinges.

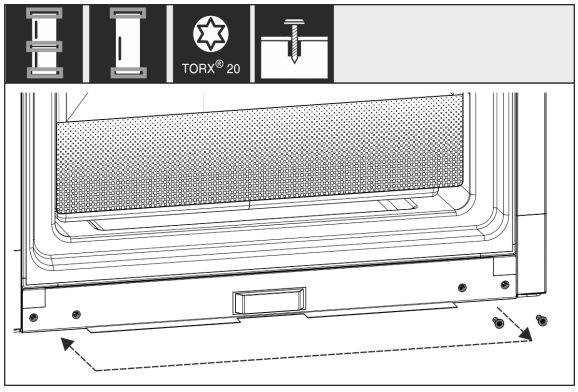


Fig. 13

- ▶ Shift the screws to fasten the hinge. Do not screw tightly after shifting – you need to hang the hinges later.

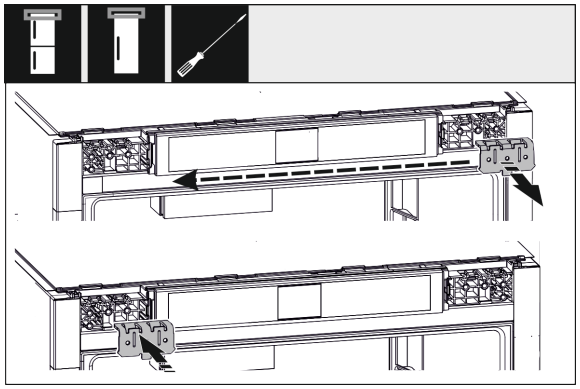


Fig. 14

- ▶ Move the fixing bracket to the opposite side.

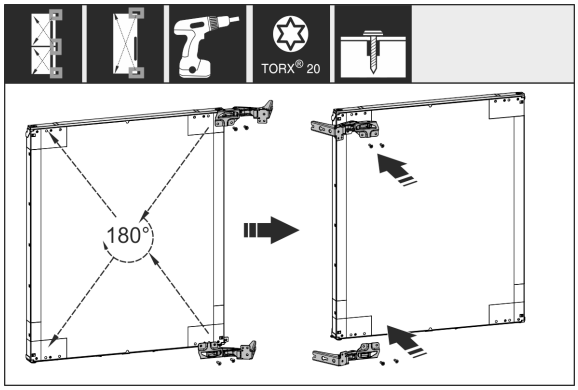


Fig. 15

- ▶ Turn all hinges 180° to the opposite side and screw firmly.
- ▶ Refitting the door: Hang the door with its hinges and tighten the screws.

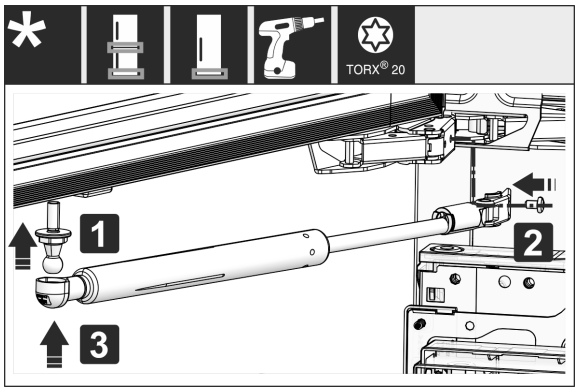


*Fig. 16 **

*** Depending on model and options**

▶ Refitting the closing dampers: Screw in the ball studs (1), tighten the bracket (2) and hang the closing dampers in the ball studs.*
▶ Check all screws and retighten if necessary.

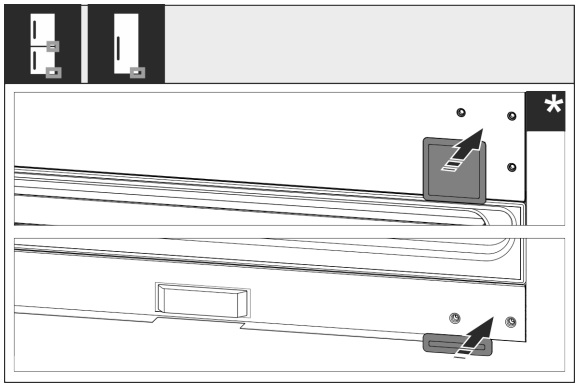


Fig. 17

▶ Reassemble the bottom and centre cover. Only replace the remaining covers after installing the appliance back into the cabinet.

14 Connecting the appliance to the water supply*

Make sure that the following requirements are fulfilled:

- ❑ The dimensions for the water supply connection are known and complied with. (see 7.1 Dimensions for the water connection)
- ❑ The correct water pressure is maintained. (see 7.1 Dimensions for the water connection)
- ❑ Water is supplied to the appliance via a cold water pipe which can withstand the operating pressure and is connected to the drinking water supply.
- ❑ All equipment and devices used to supply water must comply with the regulations in force in the respective country.
- ❑ The rear of appliance is accessible so that you can connect the appliance to the drinking water supply.
- ❑ The supplied hose is used. Old hoses have been disposed of.
- ❑ The hose connector contains a filter with a seal.
- ❑ There is a tap between the hose line and the domestic water connection so that you can turn off the water supply if necessary.
- ❑ The tap is not directly behind the appliance and is easily accessible. This way, you can push the appliance as far as possible into the cabinet recess and can quickly turn off the tap if necessary.

WARNING
Risk of electric shock from water!
▶ Before connecting to the water pipe: Disconnect the appliance from the mains.
▶ Before connecting to water supply lines: Shut off the water supply.
▶ Make sure that only qualified personnel connect the device to the drinking water supply.

WARNING
Risk of poisoning due to contaminated water!
▶ Only connect to the drinking water supply.

14.1 Connecting the hose

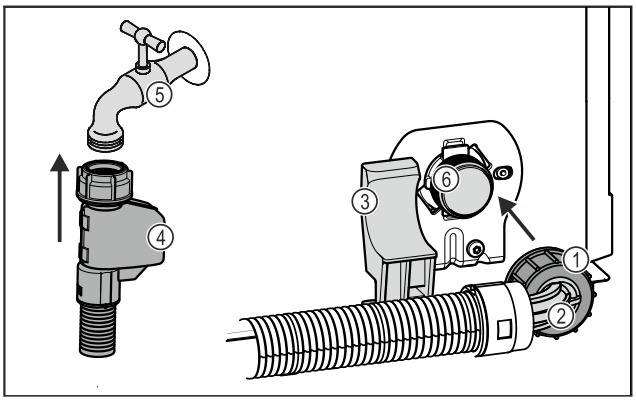


Fig. 18

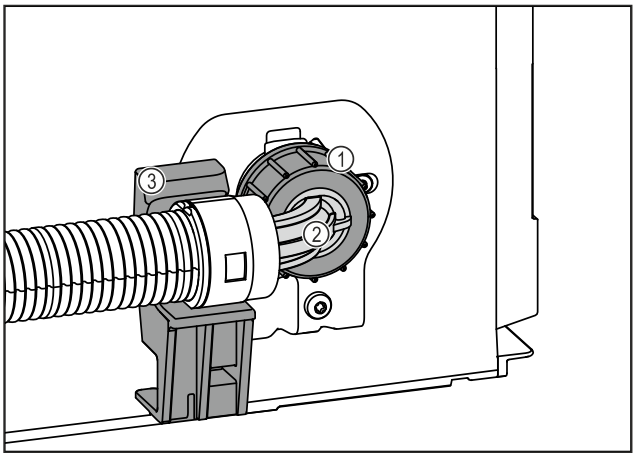


Fig. 18

(1) Nut
(2) Angled hose end
(3) Bracket
(4) Straight hose end
(5) Tap
(6) Solenoid valve: The solenoid valve is at the bottom on the back of the appliance. It has an R3/4 connecting thread.

NOTICE
Risk of damage from incorrect installation!
▶ Do not damage or kink the hose.
▶ Do not damage or kink the hose during installation in the cabinet recess.

Connecting the hose to the appliance:
▶ Position and hold the angled hose end *Fig. 18 (2)* horizontally on the bracket *Fig. 18 (3)*.
▶ Screw on the nut *Fig. 18 (1)* on by hand until it is firmly in place.
▷ The hose is connected to the appliance.

Connecting the hose to the tap:
▶ Connect the straight hose end *Fig. 18 (4)* to the tap *Fig. 18 (5)*.
▷ The hose is connected to the tap.

14.2 Checking the water system

Before you completely install the appliance in the cabinet recess, Liebherr recommends checking the water system for leaks.
▶ Slowly turn on the tap.
▶ Check the hose, water feed and connections for leaks.
▷ The water system has now been checked for leaks.
▷ The water system is not leaking: You can install the appliance completely in the cabinet recess.

Note
IceMaker: Before the first use, you must clean the IceMaker. (see Quick Start Guide or operating instructions)*

15 Installing the appliance in the recess

Tool

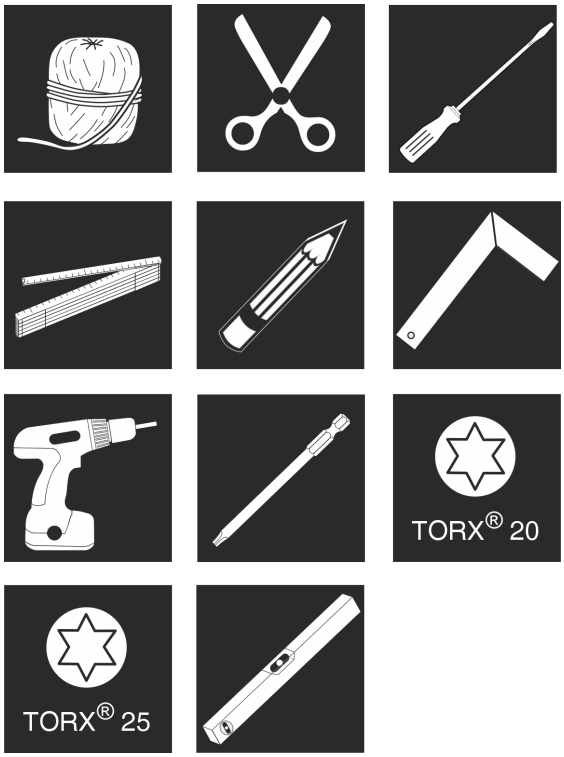


Fig. 19

Supplied assembly parts

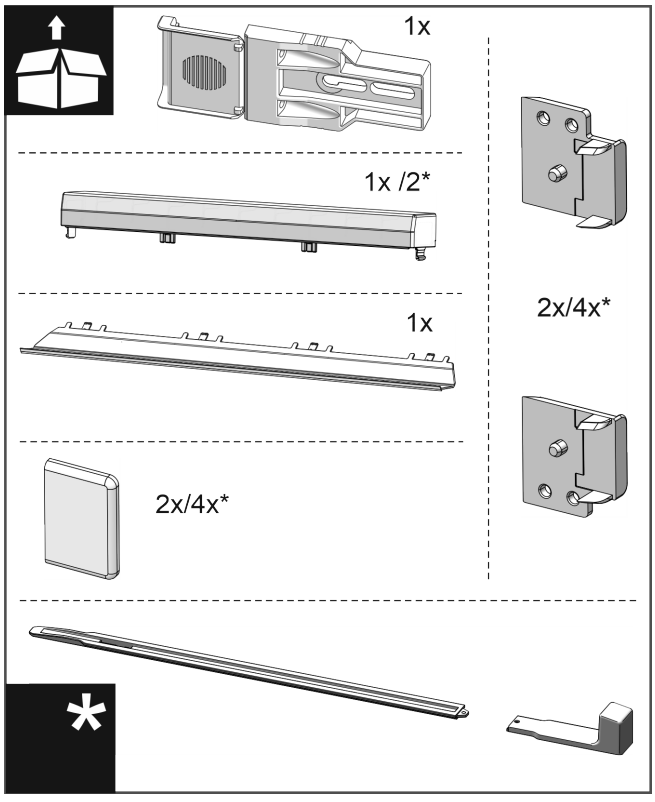


Fig. 20

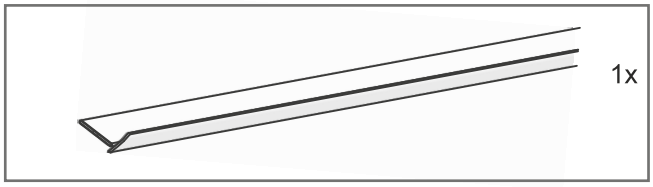


Fig. 21

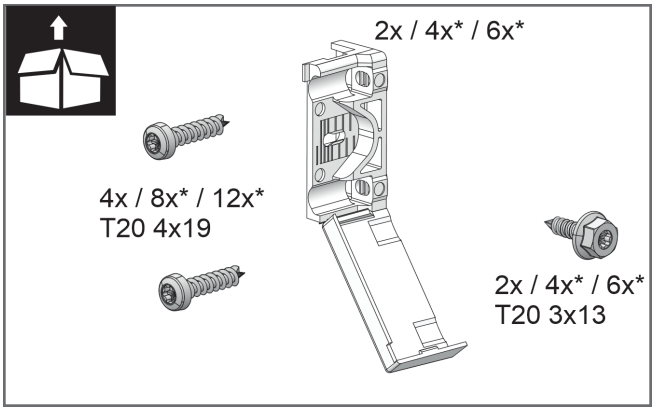


Fig. 22

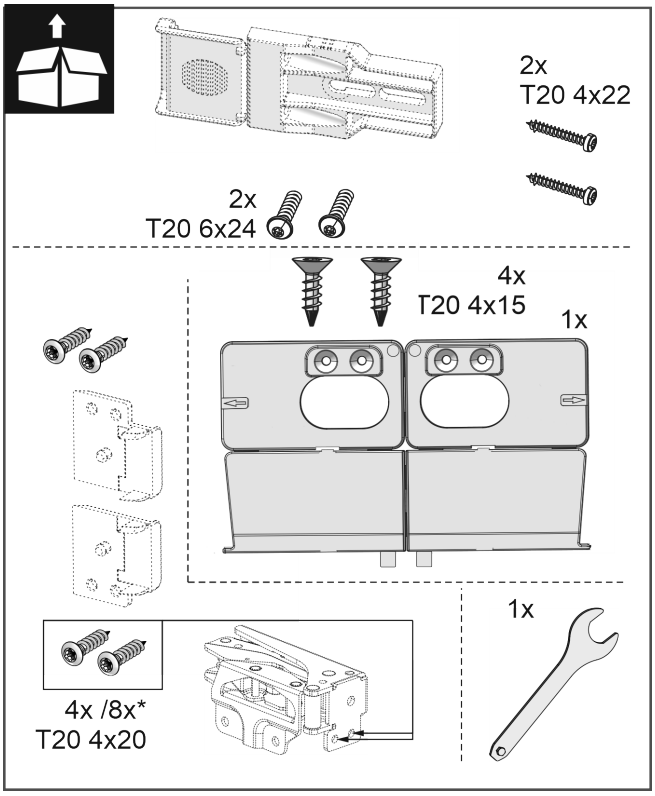
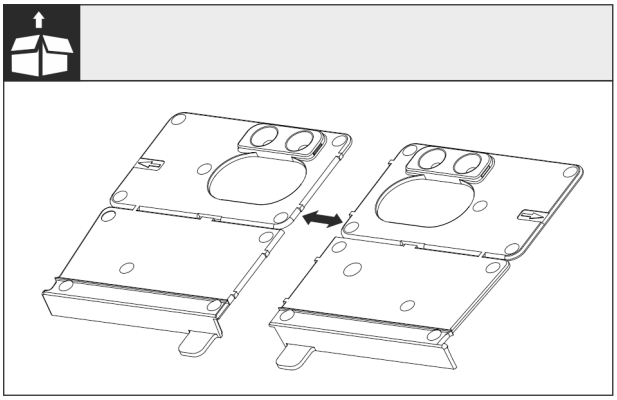


Fig. 23



*** Depending on model and options**

Fig. 24

▶ Disconnect the base installation bracket at the perforation.

NOTICE

Correct installation depth of the appliance.

▶ Using the mounting bracket ensures the correct installation depth of the appliance.

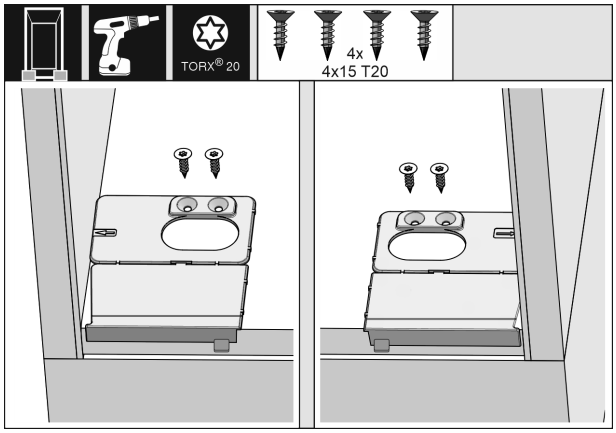


Fig. 25

▶ Screw the mounting brackets on the left and right of the recess floor, flush to the side wall.

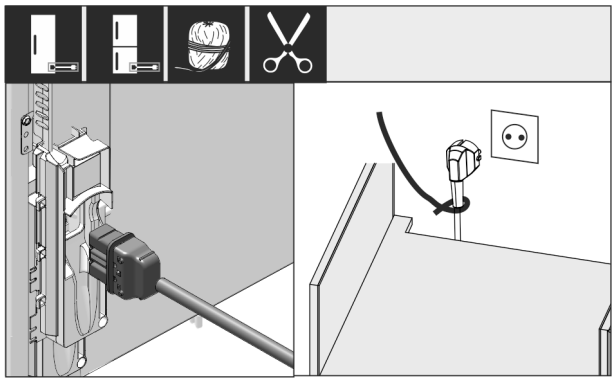


Fig. 26

▶ Remove the mains cable from the package.

▶ Plug the mains cable's IEC socket completely into the appliance plug on the back of the appliance. Ensure that the IEC socket is tight.

▶ Use a cord to lay the mains plug to a freely accessible socket.

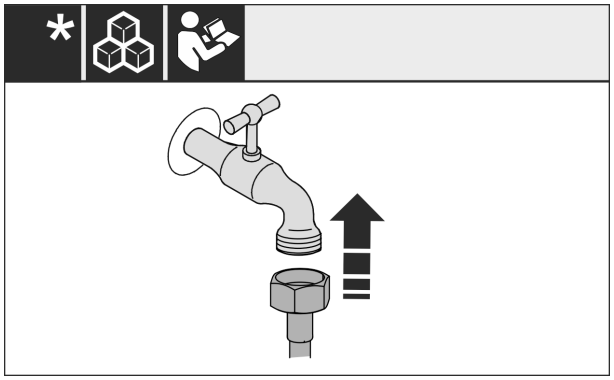


*Fig. 27 **

▶ If necessary, install the water connection at this point, following the instructions in the User Guide.*

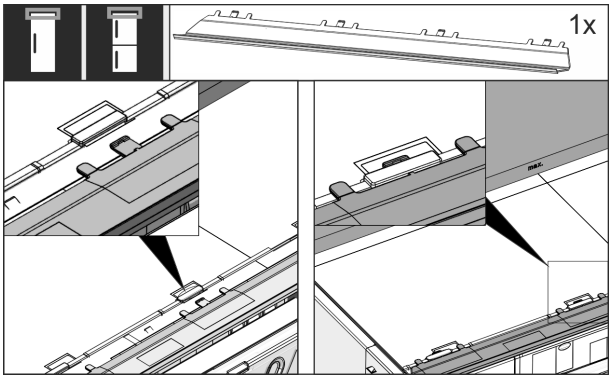


Fig. 28

▶ Insert the adapter panel on the top of the appliance. The panel can be moved to both sides.

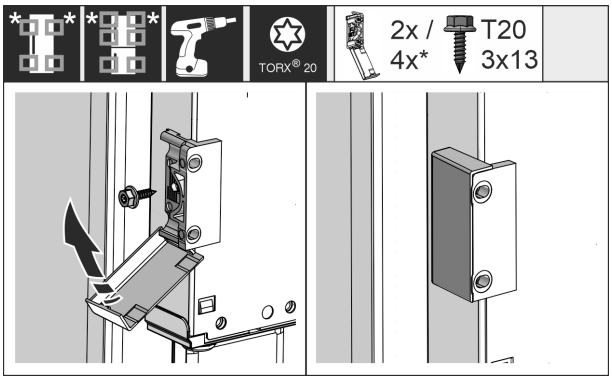


Fig. 29

▶ Fit the mounting bracket. Attach the mounting bracket at the height of the custom door panel handle. For a large door, use four mounting brackets.

▶ After assembly, fold the covers onto the bracket.

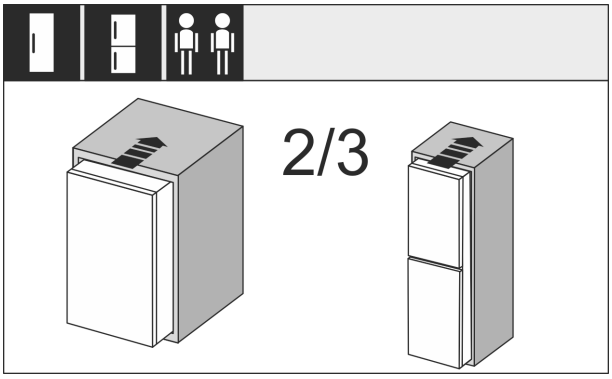


Fig. 30

▶ Insert the appliance 2/3 of the way into the recess.

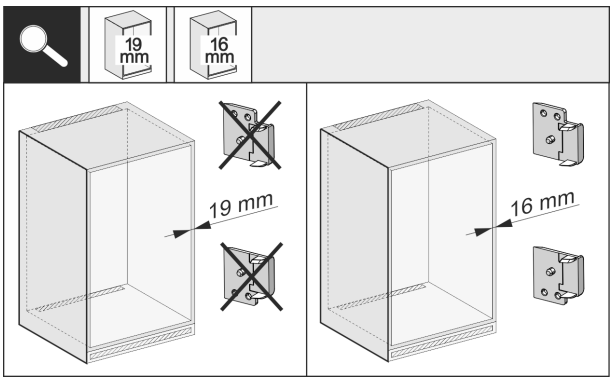


Fig. 31

▶ Check whether the unit side wall is 16 mm or 19 mm thick.

Installing the appliance in the recess

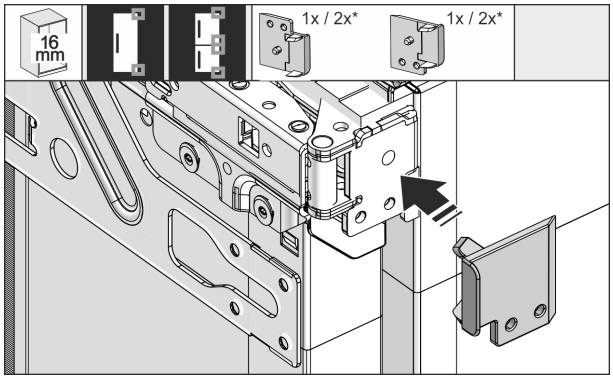


Fig. 32

▶ 16 mm thick unit side walls: Put a spacer on all hinges.
▶ 19 mm thick unit side walls: You do not need a spacer.

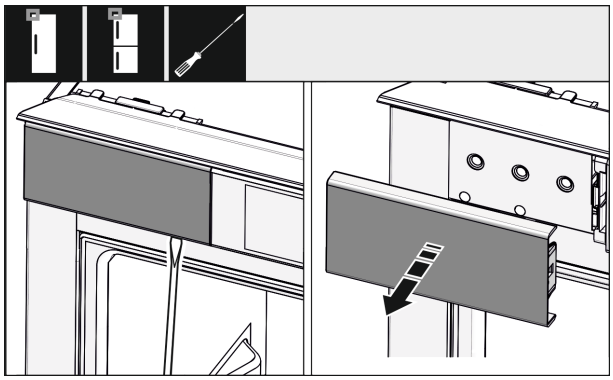


Fig. 33

▶ Use a screwdriver to loosen the cover at the top left and remove it.

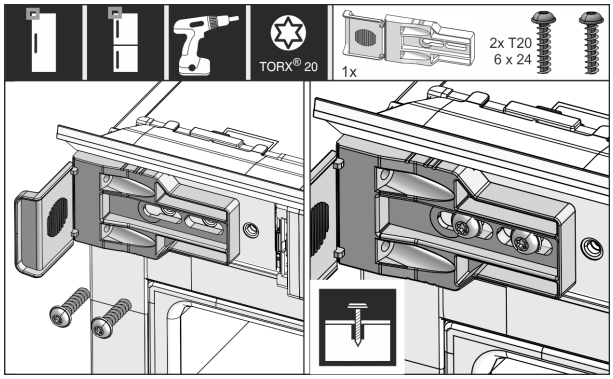


Fig. 34

▶ Loosely tighten the mounting bracket screw. The bracket should still be easy to move.

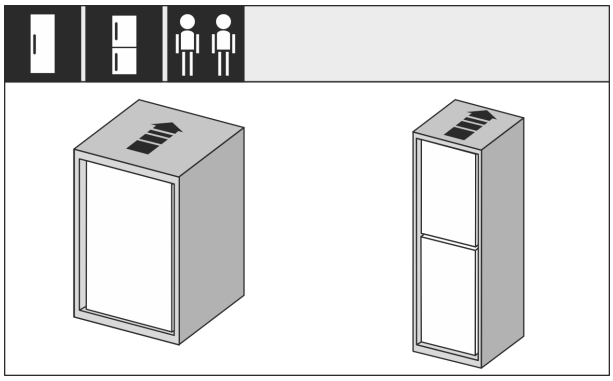


Fig. 35

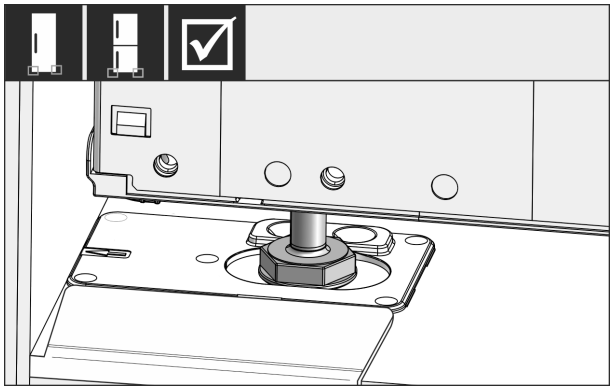


Fig. 36

WARNING

Risk of fire due to short circuit!

▶ When you push the appliance into the niche: do not kink, jam or damage the mains cable.
▶ The appliance must not be operated with a defective mains cable.

▶ Push the appliance all the way into the unit recess. The adjustable feet must rest in the recesses in the brackets on both sides.

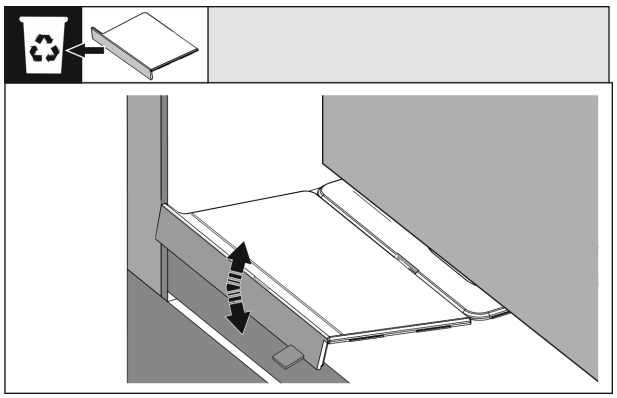


Fig. 37

▶ Remove the floor mounting bracket stopper. Loosen the stopper by moving it and, if necessary, pull it off using pliers.

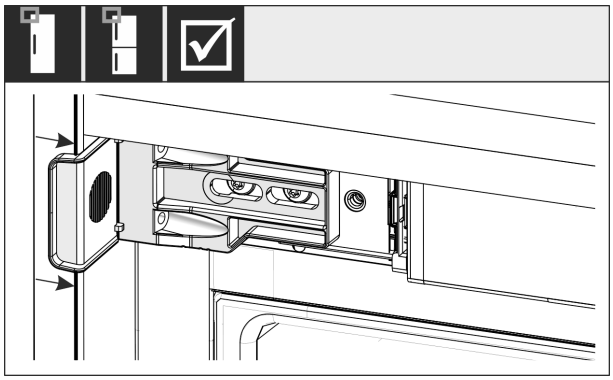


Fig. 38

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

*** Depending on model and options**

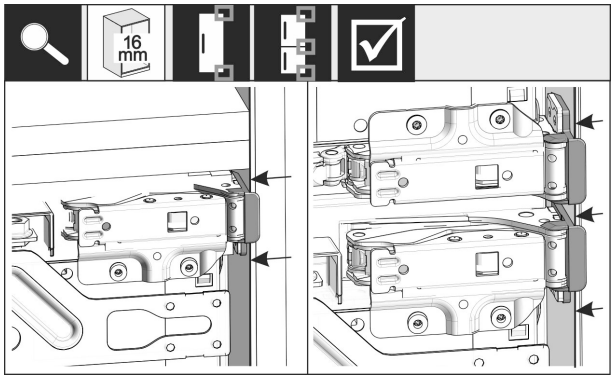


Fig. 39

Note
With 16 mm unit side walls, the spacers fit against the unit recess on the hinge side.

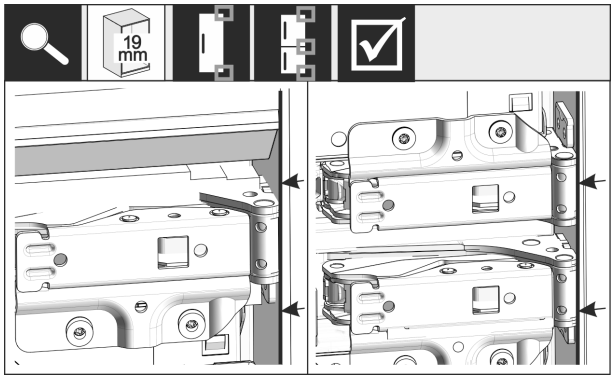


Fig. 40

▶ 19 mm thick unit side walls: Align the front of the hinges flush with the unit side wall.

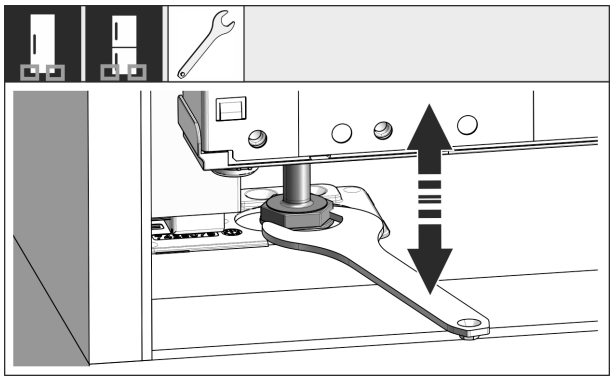


Fig. 41

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

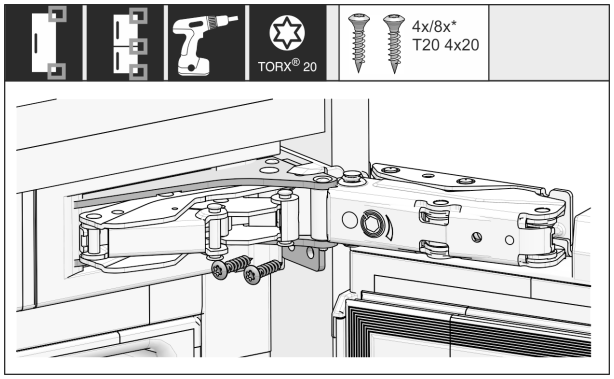


Fig. 42

▶ Screw on the appliance on the hinge side.

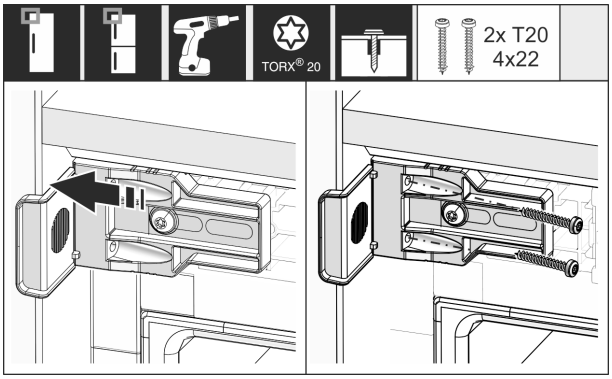


Fig. 43

▶ Move the bracket so it sits flush on the side wall of the cabinet recess.

▶ Tighten all the screws securely.

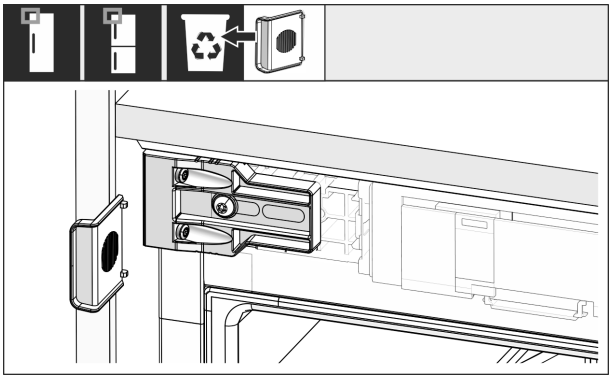


Fig. 44

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

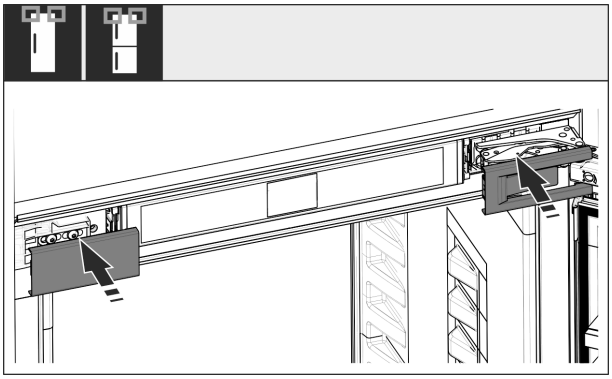


Fig. 45

▶ Put covers into position.

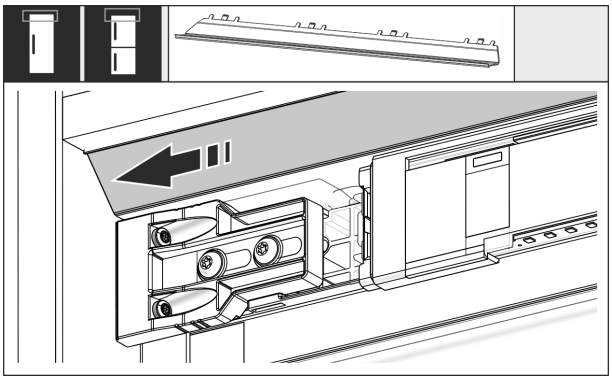


Fig. 46

▶ Slide the panel so that it sits flush with the side of the cabinet wall.

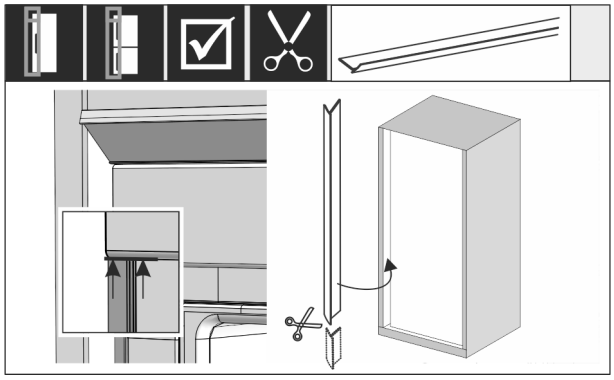


Fig. 47

- ▶ 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.

From a niche height of 1400 mm, install levelling rails:



Fig. 48

You must installed levelling rails under the appliance from a niche height of 1400 mm. The levelling rails **reduce the noise level**. Two levelling rails and an installation handle are enclosed as standard from a niche height of 1400 mm.

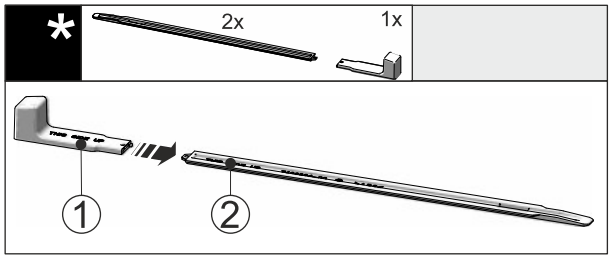


Fig. 49

- ▶ Attach the installation handle *Fig. 49 (1)* to the levelling rail *Fig. 49 (2)*.

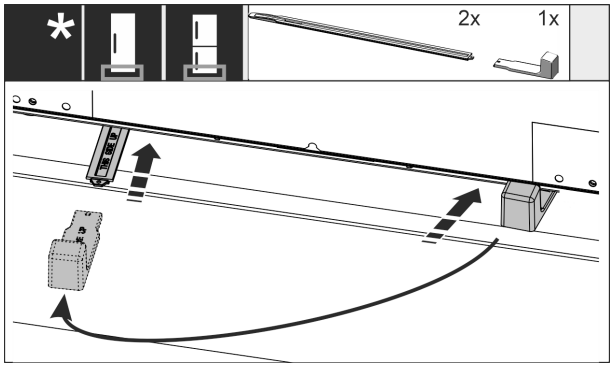


Fig. 50

- ▶ Push the levelling rail into the guide under the appliance base until it reaches the stop.
- ▶ Remove the installation handle and attach it to the second levelling rail.
- ▶ Proceed in the same way for the second levelling rail.

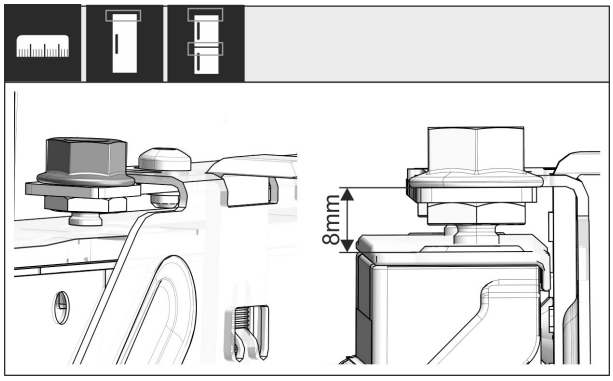


Fig. 51

- ▶ Close the door.
- ▶ Check the preset of 8 mm from the upper edge of the appliance door to the crosspiece support.

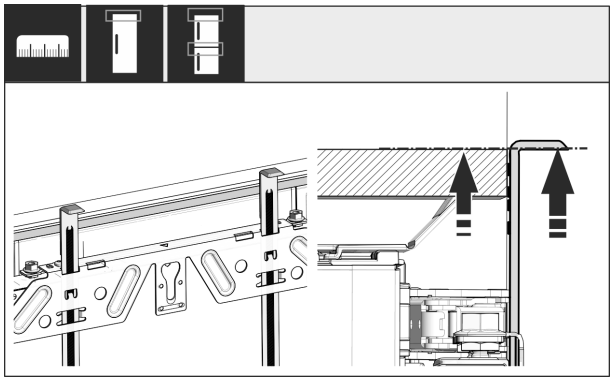


Fig. 52

- ▶ Push the assembly aids to the unit door height. Lower stop edge of the assembly aid = upper edge of the door to be assembled.

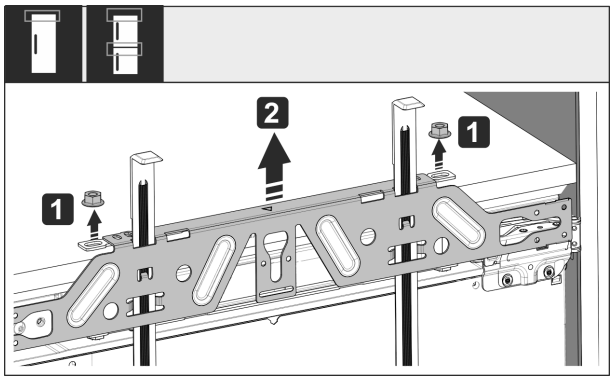


Fig. 53

- ▶ Loosen locknuts *Fig. 53 (1)*.
- ▶ Remove crosspiece *Fig. 53 (2)*.

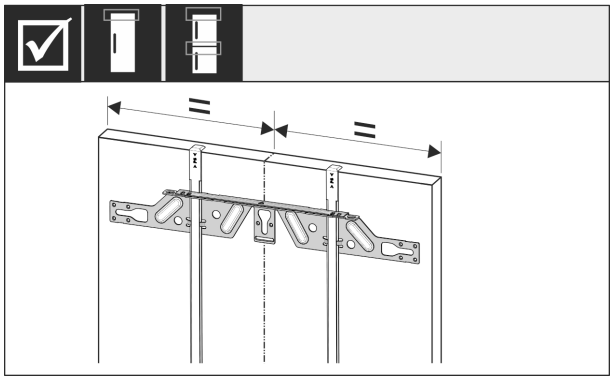


Fig. 54

*** Depending on model and options**

▶ Hang the crosspiece on the inside of the unit door and make sure it is central.

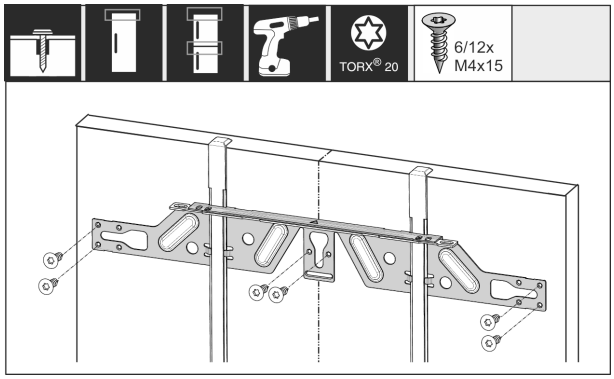


Fig. 55

▶ Fix the crosspiece using at least 6 screws for chipboard doors and at least 4 screws for panel doors.

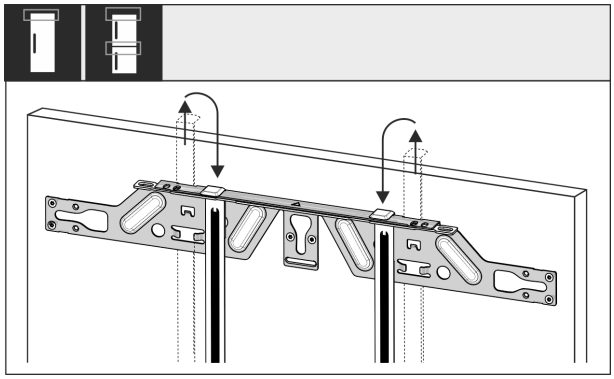


Fig. 56

▶ Remove the fitting aids, turn round and insert into the adjacent opening.

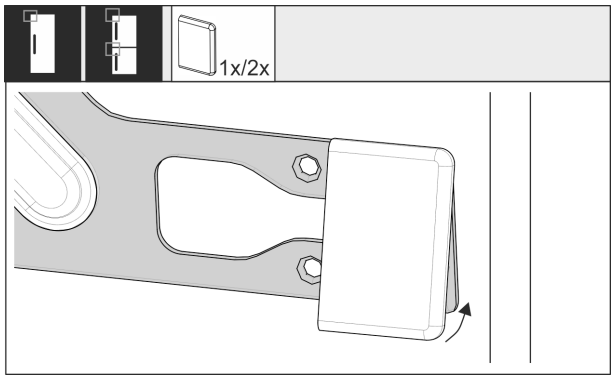


Fig. 57

▶ Put the cover on the crosspiece on the handle side.

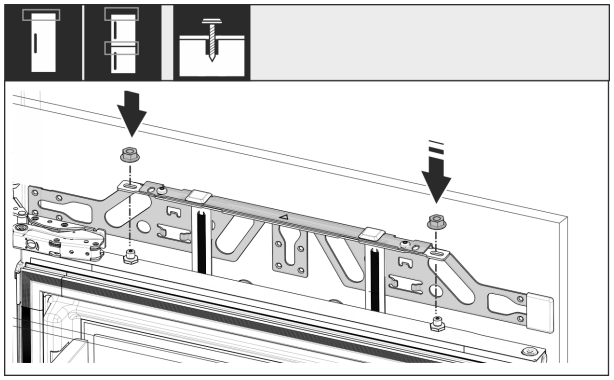


Fig. 58

▶ Attach the custom panel and loosely screw the lock nuts onto the adjusting bolts.

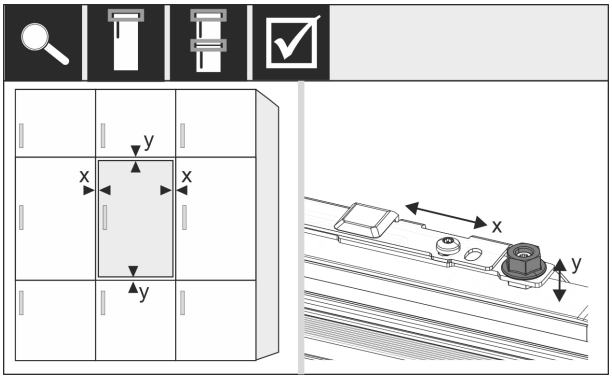


Fig. 59

▶ Align the custom panel in the X and Y direction using the adjusting bolts.

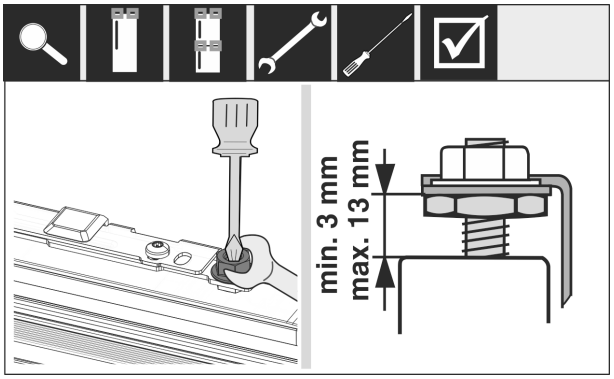


Fig. 60

▶ Tighten the lock nuts.

▶ Check the adjusted height.

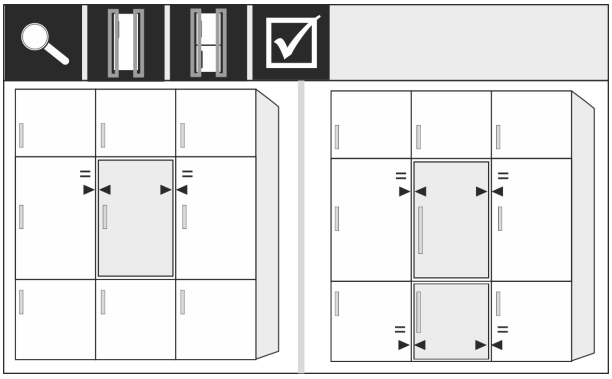


Fig. 61

For front panels thicker than 19 mm:

▶ Check the dimensions, weights and information in the following sections: (see 6 Custom panel weights) (see 16 Unit fronts)

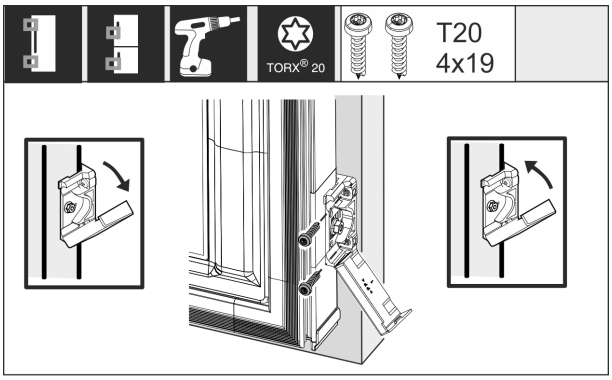


Fig. 62

Mounting the fastening bracket on the custom panel:
▶ Open the cover.
Mounting the fastening bracket on the custom panel:
▶ Align the front edge of the mounting bracket parallel with the custom door panel edge and screw the bracket down tightly.
Mounting the fastening bracket on the custom panel:
▶ Fold up the cover.

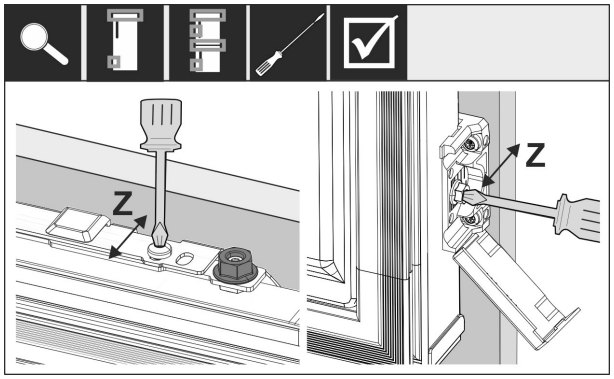


Fig. 63

Align the custom panel in the Z direction:
▶ Loosen the adjusting screw on the crosspiece and the screw on the mounting bracket.
▶ Move the door.

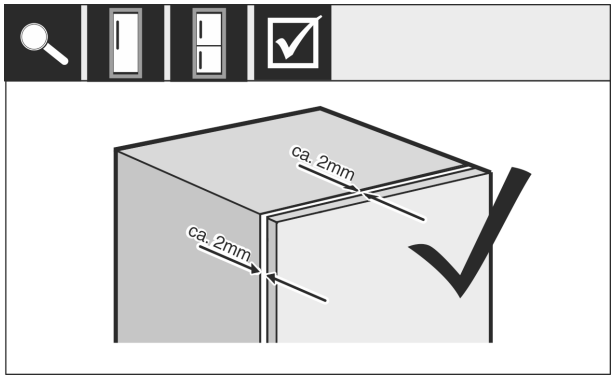


Fig. 64
▶ Check the gap between the custom panel and the unit body.
▶ Check all the screws and tighten them if necessary.

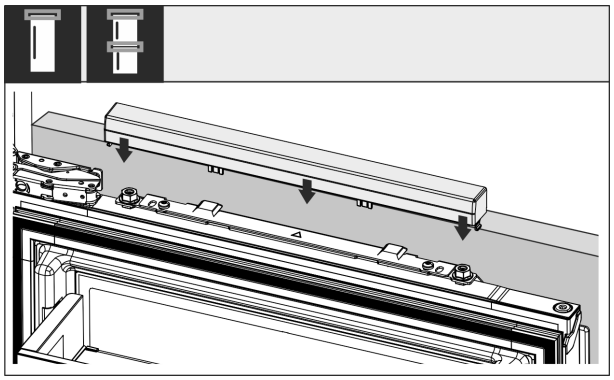


Fig. 65
▶ Put on the top cover.

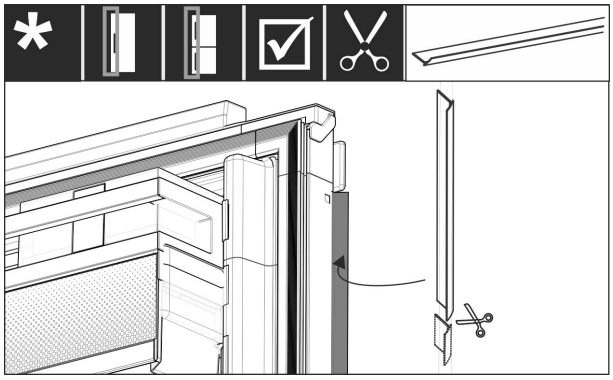


Fig. 66
▶ Cut the sealing strip to the required length.
▶ Insert the sealing strip between the front panel and the appliance door.

To make sure the appliance is correctly installed and there will not be any icing up, condensation or malfunctions, the following criteria apply:
- The door must close properly.
- The custom door panel must not touch the body of the unit.
- The seal on the upper corner on the handle side must be fitted securely.

▶ Check recess installation according to the criteria above.

16 Unit fronts

16.1 Dimensions

You require one unit door or two unit doors depending on the appliance variant. The size of the applicable unit door(s) depends on the total niche size and the unit body thickness.

Note
Observe the corresponding appliance and niche dimensions, and installation sketches.

General specifications:
- Please note our appliance-specific recommendations on size and weight for fixed door installation. (see 6 Custom panel weights)
- The unit body thickness should be at least 16 mm and no more than 19 mm.
- Pay attention to the gap position in the event of double unit door installation.*

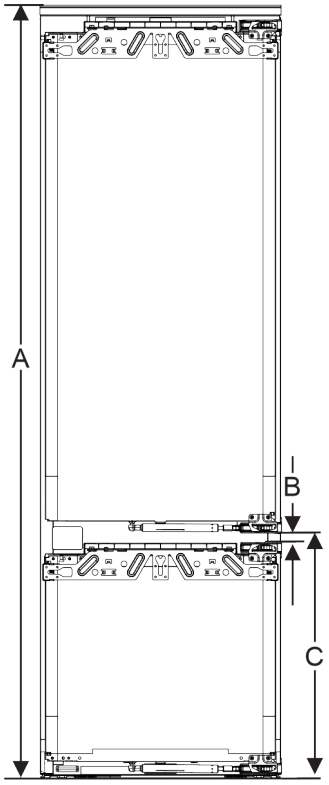


*Fig. 67 Gap position for double-door unit front**

Niche height 178 with 2 drawers*	
Appliance height (A) (mm)	1770
Gap (B) (mm)	15
Gap position (C) for fixed door (mm)	549 + 15

Niche height 178 with 3 drawers*	
Appliance height (A) (mm)	1770
Gap (B) (mm)	15
Gap position (C) for fixed door (mm)	695 + 15

Additional unit door above, below or adjacent:

- The vertical gap dimension between the unit doors must be 4 mm.
- The horizontal gap dimension between the unit doors must be 4 mm. Check the collision properties here. (see 16.3 Adjusting the joint gap without collisions)

Weight and hinges:

- If the unit fronts are heavy, the stress on the hinge is very high. The hinge may be damaged. Please note the maximum weight specification for your appliance in the chapter Furniture front weights (see 6 Custom panel weights) .
- If the unit front exceeds the maximum permissible weight, an appliance with sliding door technology can help, as the weight is divided over several concealed hinges on the unit.
- If you use long unit fronts that extend a long way over the appliances, we recommend an additional hinge (e.g. Kamat) that has exactly the same pivot point as the fixed door hinge used on your appliance. Using a further hinge (Kamat) divides the weight over several points. We recommend using a milled compensation fitting for high unit fronts, in order to counteract warping (convex/ concave).

16.2 Fitting the unit front(s)

Note the following when installing:

- The unit front must be installed symmetrically to the fridge door.
- The adjacent unit front is on the exact same level.
- The adjacent unit front has the same edge radius as the appliance front.
- The unit front is level and not strained.
- The unit front has a minimum depth setting of around 2 mm to the body.

▶ Install the appliance in the niche. (see 15 Installing the appliance in the recess)
▶ Fasten the unit front to the appliance door. (see 15 Installing the appliance in the recess)
▶ Adjust the gap.
▶ Check the unit front for collisions. (see 16.3 Adjusting the joint gap without collisions)

16.3 Adjusting the joint gap without collisions

16.3.1 Joint gap with adjoining furniture side panel

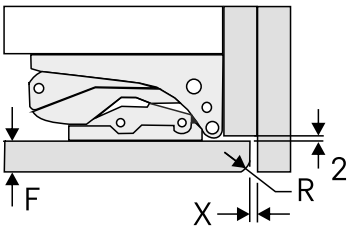


Fig. 68 Joint gap with adjoining furniture side panel
(F) Front thickness **(X)** Min. joint gap
(R) Unit front corner radius

Front thickness F [mm]	Unit front corner radius R [mm]	Min. joint gap X (vertical) [mm]
16 to 20	0 to 3	3
22	0	4
	1	4
	2	3
	3	3
24	0	8
	1	7
	2	6
	3	6
26	Not recommended.	

16.3.2 Joint gap with adjoining unit door

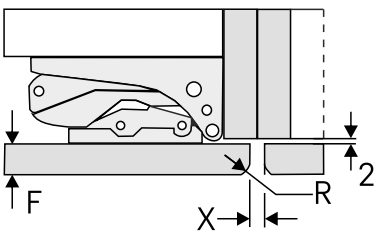


Fig. 69 Joint gap with adjoining unit door
(F) Front thickness **(X)** Min. joint gap
(R) Unit front corner radius

Front thickness F [mm]	Unit front corner radius R [mm]	Min. joint gap X (vertical) [mm]
16 to 20	0 to 3	2
22	0	4
	1	3
	2	3
	3	2
24	0	6
	1	5
	2	5
	3	4
26	0	8
	1	7
	2	7
	3	6

17 After installation

▶ Remove all transport safety fittings from the interior.

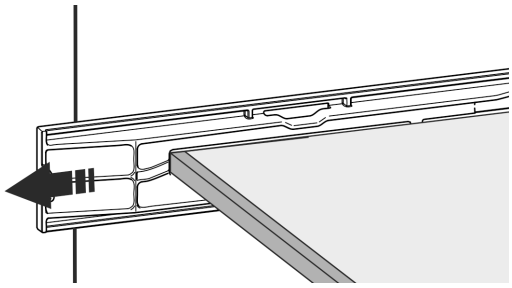


*Fig. 70 **

▶ Remove transport safety fittings from the shelves.*

NOTICE
Damage to property caused by pointed or sharp objects!
Using pointed or sharp objects when removing packaging material may damage the appliance.
▶ Do not use any pointed or sharp objects to remove the packaging material.

▶ Remove protective films from the interior: Peel the film off flat along the surface of the component to minimise its adhesive force.
▶ Clean the appliance. (see instruction manual)
▶ Note down the type (model, number), appliance name, appliance/serial number, date of purchase and retailer's address.

18 Connecting the appliance to the power supply

WARNING
Danger of electric shock and injury due to damaged appliance or damaged mains cable!
Danger of cuts and fatal injuries. 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.

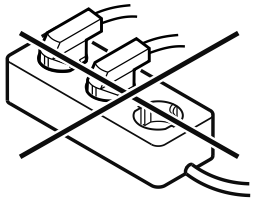
You can connect your appliance to the mains using the power cable supplied separately. The mains power cable has an appliance coupler at one end and a mains plug at the other end.

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 15 Installing the appliance in the recess)
- Requirements for the electrical connection are met.
- 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 earthed according to the regulations and fused.
- The fuse tripping current is between 10 A and 16 A.
- The socket 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 mains cable.

WARNING
Danger of fire due to incorrect connection!
Burns.
Damage to the appliance.
▶ Do not use an extension cable.
▶ Do not use distributor blocks.



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 cable plug to the power supply. Ensure that the plug is tightly in the socket.
▷ The Liebherr logo appears in the display.
▷ The display switches to the standby symbol.
▷ If no action occurs within 60 seconds: The standby symbol fades or disappears.

▷ The appliance is connected. For information regarding first use, see the following section or the operating instructions.

19 Disposing of packaging

WARNING
Danger of suffocation due to packing material and plastic film!
▶ Do not allow children to play with packing material.

The packaging is made of recyclable materials:
- corrugated board/cardboard
- expanded polystyrene parts
- polythene bags and sheets
- polypropylene straps
- nailed wooden frame with polyethylene panel*

▶ Take the packaging material to an official collecting point.



home.liebherr.com/fridge-manuals

EN built-in fridges and freezers, fixed door

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