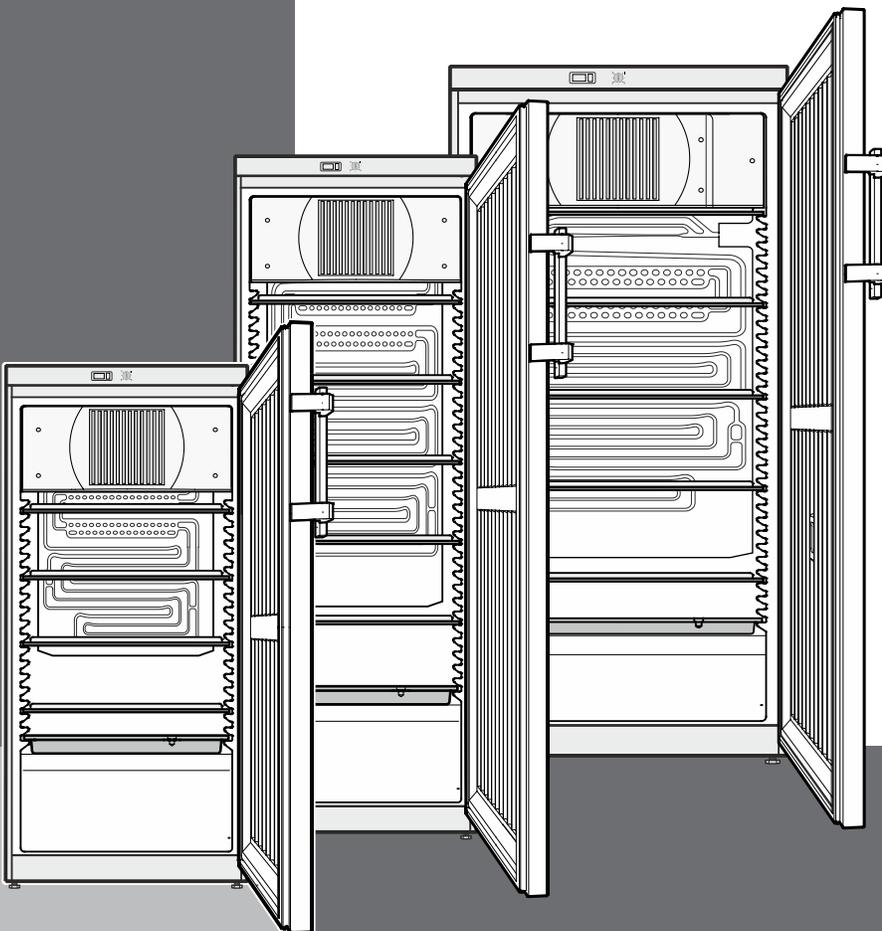


LIEBHERR

Use and Care Manual

Flammable Material
Storage Refrigerator



LRBFS09W1HC
LRBFS12W1HC
LRBFS20W1HC
7085 841-00

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IMPORTANT

All types and models are subject to continuous improvement. The manufacturer reserves the right to make modifications to the shape, equipment and technology.

Please Read and Follow these Instructions

These instructions contain Danger, Warning and Caution notes.

This information is important for safe and efficient installation and operation.

Always read and comply with all Danger, Warning and Caution notes!



DANGER!

Danger indicates a hazard which will cause serious injury or death if precautions are not followed.



WARNING!

Warning indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.



CAUTION!

Caution indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury.

IMPORTANT

This indicates information that is especially relevant to a problem-free installation and operation.

California Proposition 65

- This product contains chemicals known to the state of California to cause cancer or reproductive harm.
- This product can expose you to chemicals including Diisononyl Phthalate (DINP) which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.
- This product can expose you to chemicals including Di-isodecyl Phthalate (DIDP) which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

Disposal of Old Appliance



DANGER!

Risk of child entrapment.

Child entrapment and suffocation are not problems of the past.

Junked or abandoned refrigerators are still dangerous – even if they will sit for “just a few days.”

If you are getting rid of your old refrigerator, please follow these instructions to help prevent accidents.

Before you discard old appliances:

- Take off the doors.
- Leave the shelves in place so that children may not easily climb inside.
- Cut off the power cable from the discarded appliance. Discard separately from the appliance.
- Be sure to follow your local requirements for disposal of appliances.

Contact the trash collection agency in your area for additional information.

Disposal of this Appliance

This appliance contains flammable gases within the refrigeration circuit and insulation foam.

Contact the municipality or disposal company in your area for information on approved recycling or disposal.

Disposal of Carton

The packaging is designed to protect the appliance and individual components during transport and is made of recyclable materials.



WARNING!

Keep packaging materials away from children. Polythene sheets and bags can cause suffocation!

If possible, please recycle packaging material at a recycling facility.

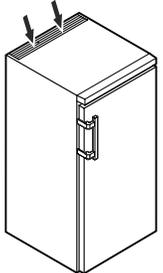
R600a/R290 Refrigerant



WARNING!

The refrigerant R600a/R290 contained within the appliance is environmentally friendly, but flammable. Leaking refrigerant can ignite.

To prevent possible ignition, follow the warnings below:

- Keep ventilation openings, in the appliance enclosure or in the built-in structure, clear of obstruction. 
- Do not use mechanical devices or other means to accelerate the defrosting process, other than those recommended by the manufacturer.
- Do not damage the refrigerant circuit.
- Component parts and power cords shall be replaced with like components performed by factory authorized service personnel only.
- Do not use electrical appliances inside the food storage compartments of the appliance, unless they are of the type recommended by the manufacturer.

SAFETY

Important Safety Information

- If the appliance is damaged on delivery, contact the supplier immediately before connecting it to the power source.
- To guarantee safe operation, ensure that the appliance is set up and connected as described in this manual.
- Disconnect the appliance from the power source if a fault occurs. Pull out the plug, turn off or disable the power source.
- When disconnecting the appliance, always pull it out by the plug; never pull on the cable.
- Any repairs and work on the appliance should only be performed by the customer service department. Unauthorized work may be dangerous to the user. The power source cable should only be changed or replaced by the customer service department.
- To prevent possible injury due to an electrical shock, be sure to disconnect the power cord or turn off the circuit breaker before cleaning the appliance.
- To avoid injury or damage to the appliance, do not use steam cleaning equipment to clean the appliance.
- Do not operate the appliance in the presence of explosive fumes.
- In the event of a power outage, open the door as infrequently as possible.
- To protect the appliance from possible damage, allow it to stand 1/2 to 1 hour in place before turning on the electricity. This allows the refrigerant and system lubrication to reach equilibrium.

Electrical Safety

Connect this appliance to a 15 amp or 20 amp, 110-120 VAC, circuit which is grounded and protected by a circuit breaker or fuse.

We recommend using a dedicated circuit for this appliance to prevent circuit overload and the chance of interruption to the appliance.

This appliance is equipped with a three-prong (grounding) polarized plug for your protection against possible shock hazards.

Where a two-prong wall receptacle is encountered, contact a qualified electrician and have it replaced with a properly grounded three-prong receptacle in accordance with all local codes and ordinances.

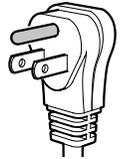


WARNING!

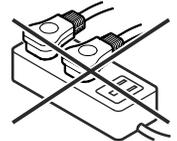
Electrocution hazard.

Electrical grounding required.

- **Do not remove the round grounding prong from the plug.** →
- **Do not use extension cords or ungrounded (two-prong) adapters.**
- **Do not use a power cord that is frayed or damaged.**



- **Do not use a power strip.** →



Failure to follow these instructions may result in fire, electrical shock or death.

Safety Regulations

Range of appliance use

These units are ideal for storing cyclopropane, ethyl ether, ethylene, acetone, alcohol, benzene, butane, gasoline, hexane, lacquer solvent vapors, naphtha, natural gas or propane along with many other potentially hazardous materials. Please also contact your supplier regarding the material safety data sheets for the stored materials.

IMPORTANT

- The appliance is not intended for outdoor use.
- The appliance is not intended for storage of blood or blood products.
- The appliance is not intended to be used for medical applications.
- The appliance is not suitable for operation in potentially explosive atmospheres or hazardous (classified) locations.

Climate rating

The climate rating indicates at what room temperature the appliance may be operated to achieve full cooling capacity and what the maximum humidity level in the area around the appliance may be to ensure that no condensation forms on the exterior housing.

Climate Rating	Max. Ambient Temperature	Max. relative humidity
7	95°F (35°C)	75%

The minimum room temperature at the place of installation is 50°F (10°C).

IMPORTANT

Do not operate the appliance outside the specified ambient temperature and humidity range.

- The refrigerant circuit has been tested for leaks.
- The appliance complies with current safety regulations

C22.2 No. 120-13

UL 471 - 10th Edition

ANSI/ISA 12.12.01 - 9th Edition

WARNING!

Do not allow children to play with the appliance. Children must not climb, sit or stand on the shelves or door.

Failure to follow these instructions may result in death or serious injury.

Setting Up



CAUTION!

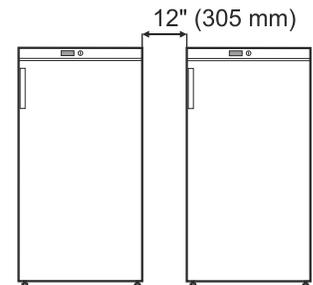
To avoid risk of personal injury or property damage, have two people to move this appliance into place.

Avoid placing the appliance in direct sunlight or near the stove, range top, radiators and similar heat sources.

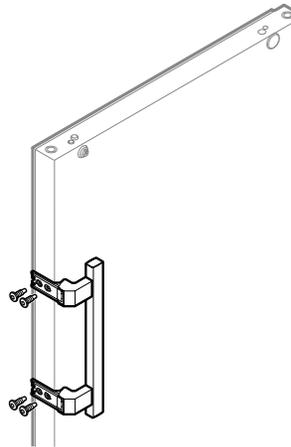
- Examine the unit and packaging for shipping damage. Contact the carrier immediately if you suspect there is any damage.

IMPORTANT

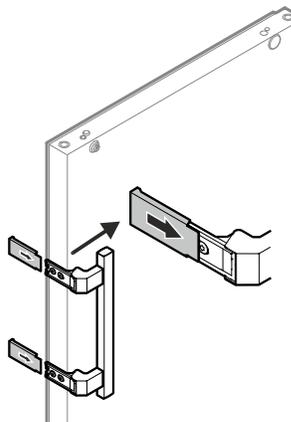
If several appliances are installed next to each other, leave a gap of 12" (305 mm) between them.



Installing the Equipment



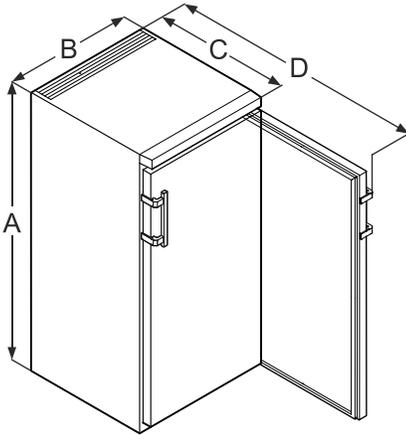
Screw on the handle. Handle, screws and key are supplied in the accessory pack.



Push on pressure plates until they engage.

FEATURES

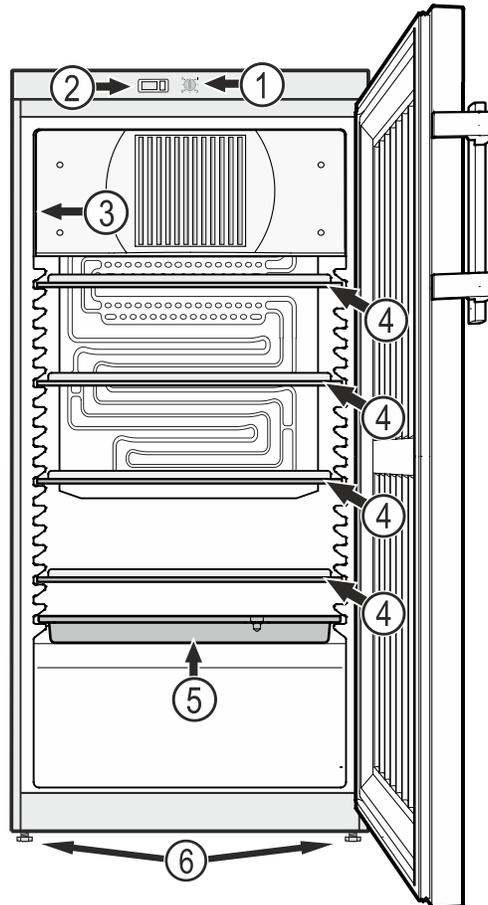
Dimensions



Model	A	B	C	D
LRBFS09W1HC	49 - 7/32" 1250 mm	23 - 5/8" 600 mm	24" 610 mm	46 - 9/16" 1183 mm
LRBFS12W1HC	64 - 5/8" 1641 mm	23 - 5/8" 600 mm	24" 610 mm	46 - 9/16" 1180 mm
LRBFS20W1HC	64 - 5/8" 1641 mm	29 - 17/32" 750 mm	28 - 3/4" 729 mm	54 - 15/16" 1396 mm

Description of the Appliance

- (1) Temperature control
- (2) Temperature display
- (3) Model plate
- (4) Adjustable shelves
- (5) Defrost water collection tray
- (6) Adjustable-height feet



IMPORTANT
The maximum load per shelf is 88 lbs (40 kg).

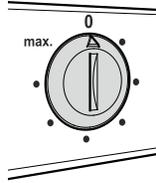
Switching the appliance on and off

Switching the appliance on

Connect the appliance to the electrical outlet - the appliance is switched on.

Switching the appliance off

Pull out the plug or set the temperature control to 0.



IMPORTANT

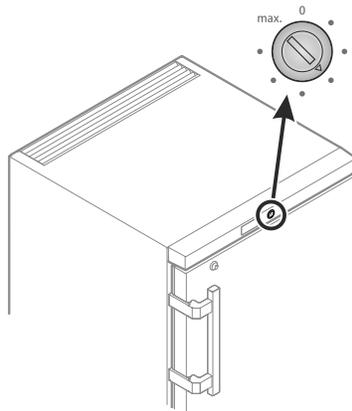
When the temperature control is turned to "0", the refrigeration system is switched off, but the appliance is not completely disconnected from the power supply. Before cleaning, always disconnect the appliance from the power supply. Remove the plug.

Setting the temperature

Set the temperature inside the appliance using the temperature control.

The nearer the temperature control is to the max. setting, the colder the interior temperature.

Set the control between "0" and "max." as required.



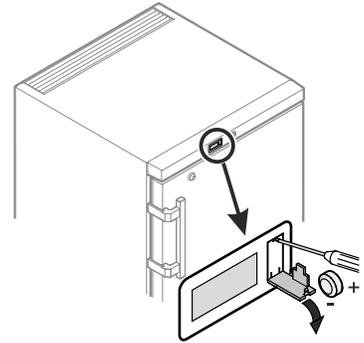
Temperature Display

The temperature display is powered by a battery which is available from your specialist dealer.

If no temperature is displayed, change the battery.

Type of battery: Button cell LR44 or equivalent type.

- Open the battery compartment using a small screwdriver.
- Replace the battery.
- Close the battery compartment.

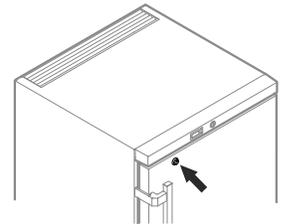


If **ER** or **HH** appears on the display, the thermometer is defective.

Consult the customer service department indicating the fault number displayed.

Safety Lock

The lock in the appliance door is equipped with a safety mechanism.



Locking the appliance

- Insert the key and push as shown by arrow **1**.
- Turn the key 90° clockwise **2**.



Unlocking the appliance

- Insert the key and push as shown by arrow **1**.
- Turn the key 90° counterclockwise **2**.



WARNING!

Risk of child entrapment and suffocation due to a locked appliance door.

To Prevent A Child From Being Entrapped, Keep The Key Out Of Reach Of Children And Not In The Vicinity Of Freezer (Or Refrigerator).

CLEANING

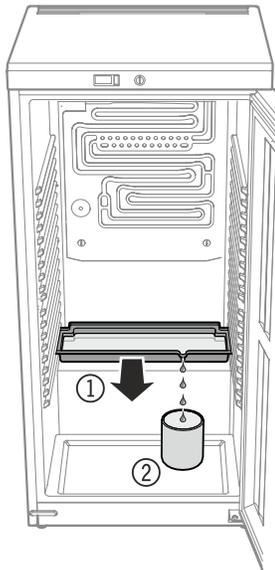
Defrosting

The refrigerator compartment defrosts automatically.

- ① The defrost water drains into a tray located below the evaporator. This tray must be emptied from time to time.

Pull the tray out towards you and empty it.

- ② To avoid having to empty the defrost water collection tray frequently, you can place a container under the drain opening in the tray.



Cleaning

! WARNING!

- To prevent possible injury due to an electrical shock, be sure to disconnect the power cord or turn off the circuit breaker before cleaning the appliance.
- To avoid injury or damage, do not use steam cleaning equipment to clean the appliance.

Cleaning the appliance interior

- Remove the shelves.
- Clean the inside of the appliance and equipment parts with lukewarm water and a little detergent.

! WARNING!

Risk of electrostatic discharge.

Only clean plastic parts with a damp cloth!

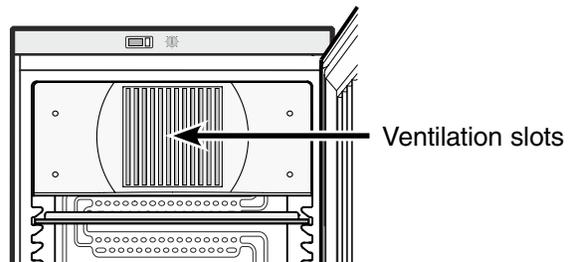
- Do not damage or remove the model plate on the inside of the appliance. It is very important for servicing your appliance.
- Insert the shelves.

! WARNING!

Danger of sparks produced by friction due to dust on the fan blades.

Do not store dusty objects in the appliance.

Clean the ventilation slots on the recirculated air fan every month using a vacuum cleaner.



Cleaning the appliance outside

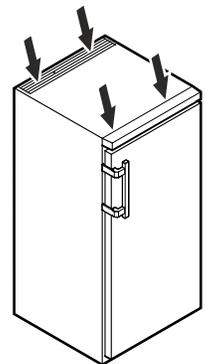
- Clean the door surface and outer walls with lukewarm water and a little detergent.

IMPORTANT

Do not use abrasive or scouring pads or sponges. Do not use concentrated cleaning agents. Never use abrasive or acid-based cleaners or chemical solvents.

- Ensure no cleaning water penetrates into the electrical components.

Do not use a sponge or cloth that is overly wet.



Troubleshooting

Your appliance is designed and manufactured for a long life and reliable operation.

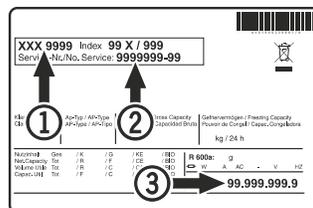
If a problem occurs during operation, check whether it is due to an operating error.

Please note that even during the warranty period, you may be responsible for certain repair costs.

Problem	Possible cause and remedy
Appliance does not work.	<ul style="list-style-type: none"> - Is the appliance turned on? - Is the power cord properly inserted in the outlet? - Is the circuit breaker or fuse in working order?
Motor seems to run too long.	<ul style="list-style-type: none"> - Is the ambient temperature too hot? See Safety Regulations. - Has the appliance been opened too often or left open too long?
The temperature is not cold enough.	<ul style="list-style-type: none"> - Is the temperature setting correct? See Setting the Temperature. - Does a separately installed thermometer show the correct reading? - Is the ventilation system working properly? - Is the appliance set up too close to a heat source?
The temperature display shows ER or HH.	<ul style="list-style-type: none"> - The thermometer is defective. Contact the customer service department.
No temperature display.	<ul style="list-style-type: none"> - Change the battery of the thermometer. See Temperature Display.

Customer Service

If none of the above possible causes apply, and you can not rectify the fault yourself, contact the customer service department. Indicate the type (1) of appliance, service number (2) and the appliance / serial number (3) as shown on the model plate.



The position of the model plate is shown in the section entitled **Description of the Appliance**.

Turning Off the Appliance

If your appliance is to be turned off for any length of time, switch it off and disconnect the plug or switch off or unscrew the fuse.

Clean the appliance and leave the door open in order to prevent unpleasant odors.

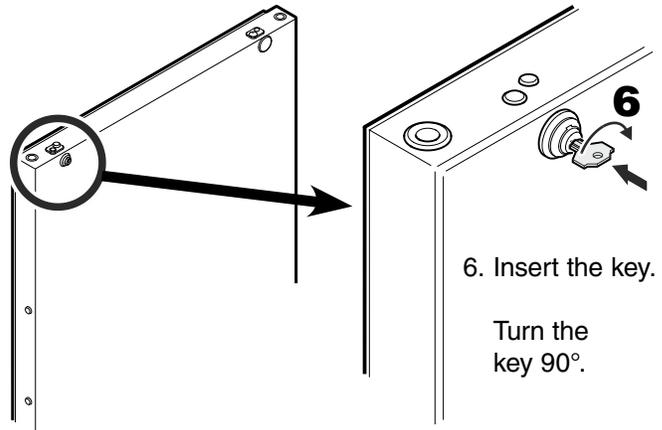
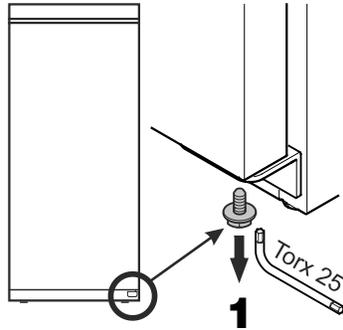
CHANGING OVER DOOR HINGES

Changing Over Door Hinges

Door hinges should only be changed by a trained expert.

Changing over the door hinges requires two people.

1. Remove screw from lower hinge bracket.



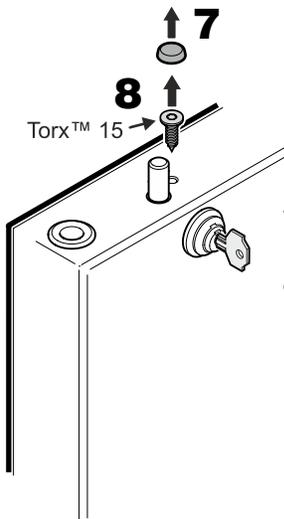
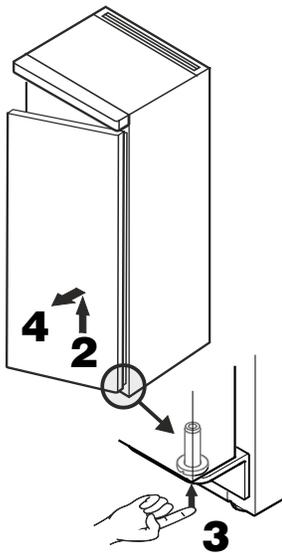
6. Insert the key.
Turn the key 90°.

CAUTION!

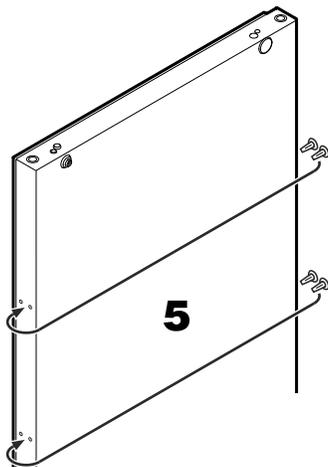
Risk of injury and damage due to a falling appliance door.

The door must be held secure by one person to ensure that a second person can remove or install the hinge components.

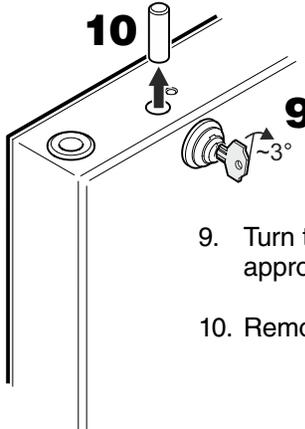
2. Open the door approx. 45° and lift upwards.
3. Push the pin upwards using your fingertip.
4. Pull the door to the front and remove it downwards.



7. Remove cover.
8. Remove screw.

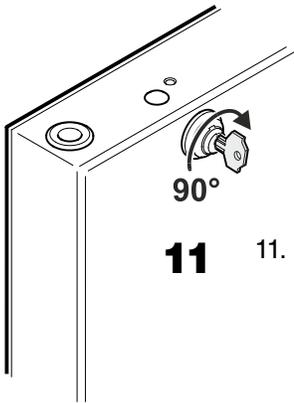


5. Transfer plugs to the other side.

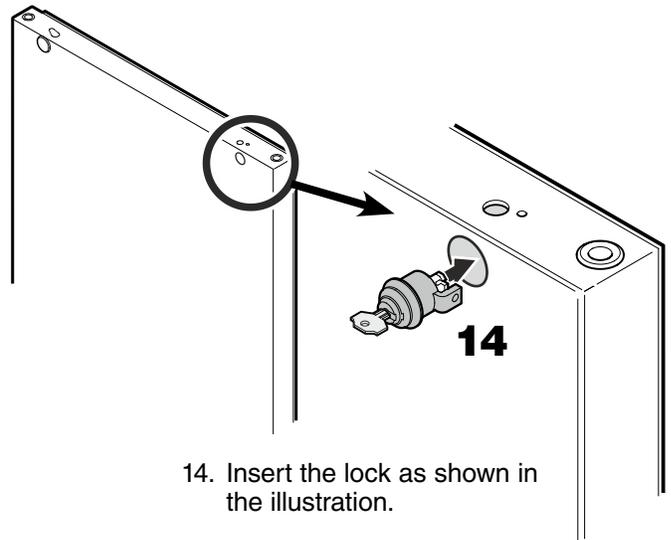


9. Turn the lock approx. 3° clockwise.
10. Remove pin.

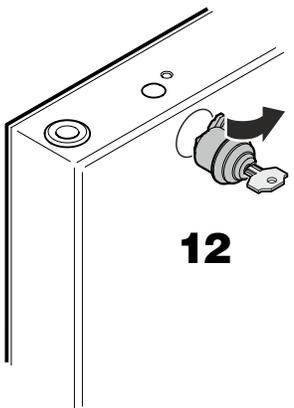
CHANGING OVER DOOR HINGES



11 11. Turn the lock 90° clockwise.



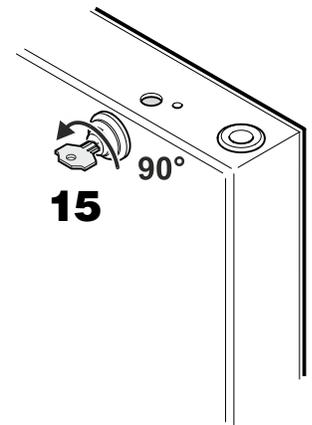
14. Insert the lock as shown in the illustration.



12. Remove lock.

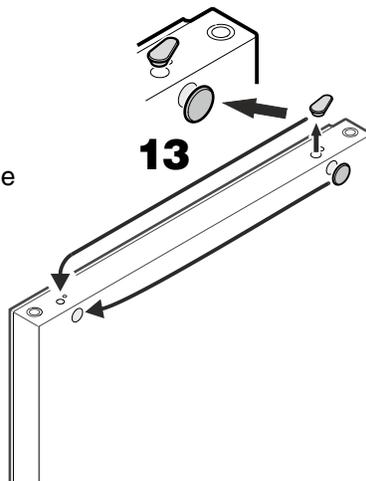
12

15. Turn back the lock 90° counterclockwise.



15

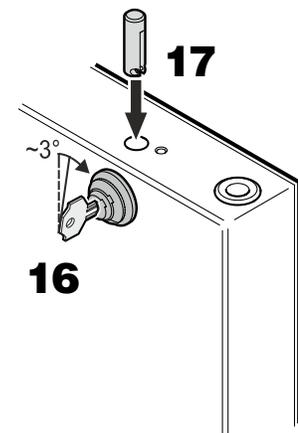
13. Transfer covers to the opposite side.



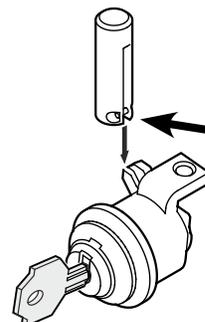
13

16. Turn the lock further - approx. 3° clockwise.

17. Insert pin.



16

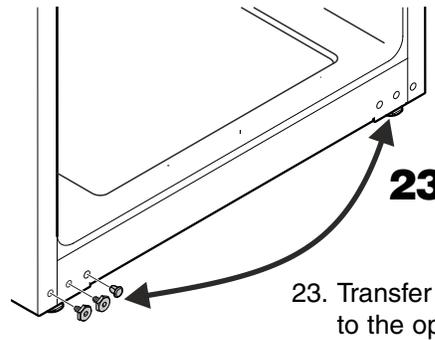
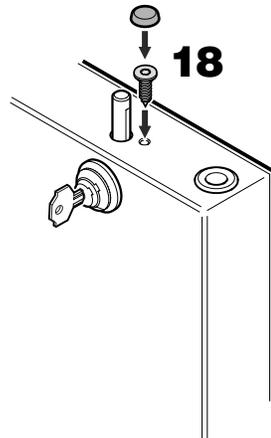


Note on point 17

After insertion, the pin's cross pin must be engaged in the groove of the catch.

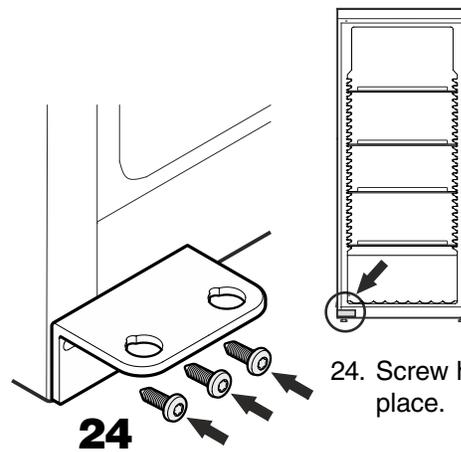
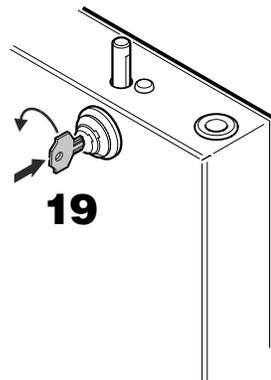
CHANGING OVER DOOR HINGES

18. Screw in the screw and attach the cover cap.

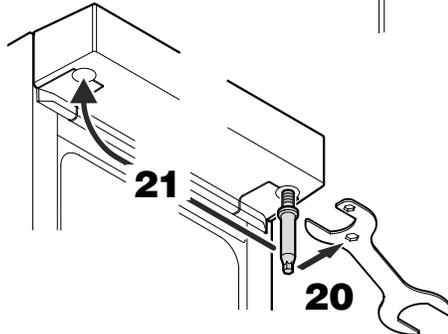
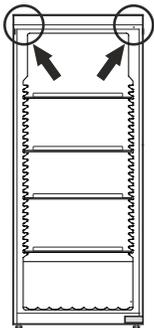


23. Transfer screws and plug to the opposite side.

19. Insert the key.
Turn the key 90°.



24. Screw hinge bracket into place.



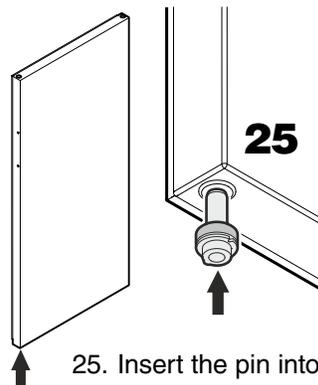
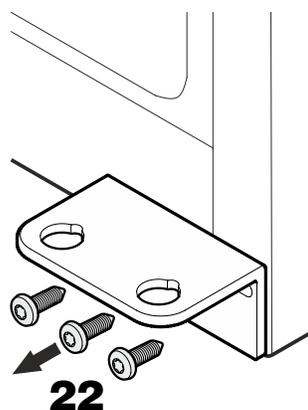
20. Unscrew the pin.
Use the spanner provided.
21. Screw in the pin on the opposite side.

⚠ CAUTION!

Risk of injury and damage due to a falling appliance door.

The door must be held secure by one person to ensure that a second person can remove or install the hinge components.

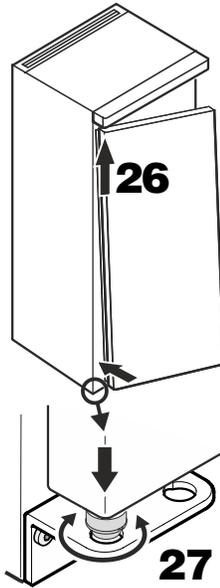
22. Unscrew hinge bracket.



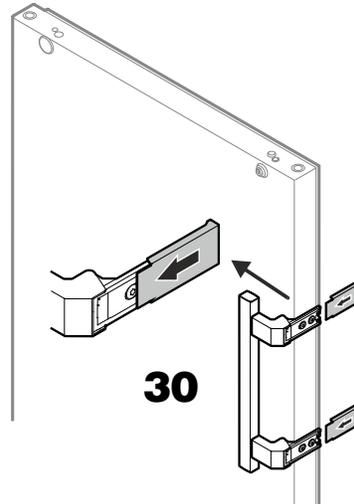
25. Insert the pin into the left-hand door mounting.
Use your index finger to hold the pin while you are assembling the door.

CHANGING OVER DOOR HINGES

26. Locate the door on the upper pin as shown in the illustration and guide it to the lower hinge bracket.

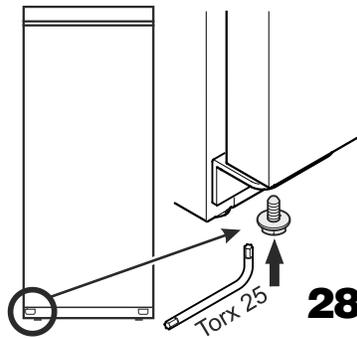


27. Lift the door upwards and turn the pin until it fits into the bore hole of the hinge bracket. Slowly lower the door downwards. The lower part of the pin must be fully engaged in the bore hole of the hinge bracket.



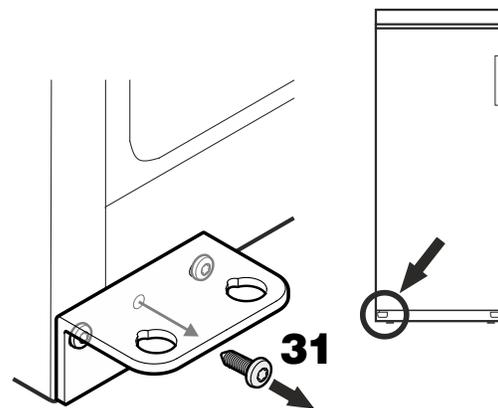
30. Push on pressure plates until they engage.

28. Screw the screw into the pin again and tighten.

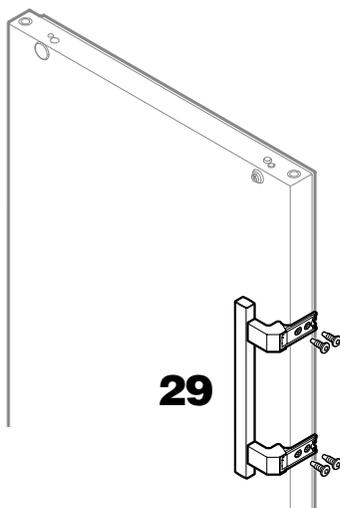


Adjusting the lateral tilt of the door

If the door is at an angle, adjust the angle.

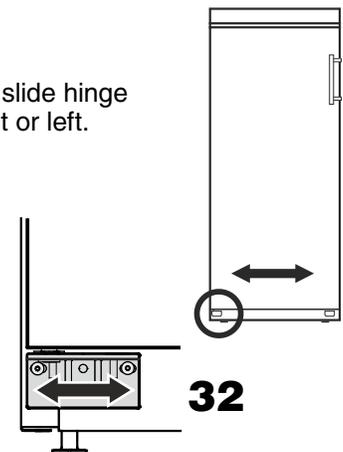


31. Remove middle screw from hinge bracket. This screw is no longer needed.



29. Screw on the handle. Handle, screws and key are supplied in the accessory pack.

32. Undo screws and slide hinge bracket to the right or left. Tighten screws.



WARRANTY

COMMERCIAL LABORATORY AND MEDICAL PRODUCTS

FULL THREE YEAR WARRANTY

For three years from the date of original purchase, your Liebherr warranty covers all parts and labor to repair or replace any part of the product which proves to be defective in materials or workmanship under normal and proper use and maintenance as specified by Liebherr and upon proper installation and start-up in accordance with the Owner's Use and Care Guide supplied with each Liebherr unit.

TERMS APPLICABLE TO EACH WARRANTY

This warranty will apply to products purchased and located in the United States and Canada. Products must be purchased in the country where service is requested. Any part covered under the above warranties that is determined by Liebherr to have been defective within the time frame is limited to the repair or replacement, including labor charges, of defective parts or assemblies. The labor warranty will include standard straight time labor charges only and reasonable travel time, as determined by Liebherr. This warranty is void for any misuse of the intended application of these products.

All service provided by Liebherr under the warranty must be performed by authorized Liebherr service representatives, unless otherwise specified by Liebherr. The warranty does not cover any parts or labor to correct any defect or damage caused by negligence, accident, fire, flood, acts of God, improper use, improper maintenance, improper delivery, improper installation, power interruptions, power surges, incorrect electric current, voltage or supply, use of extension cords, improper grounding, removal and reinstallation of the product if it is not installed in accordance with published installation instructions or in an inaccessible location, service cost or service call to instruct the user on the proper use of the product or repairs to parts or systems resulting from unauthorized modifications made to the product repairs when the product is used in a manner that is contrary to published user or operator instructions and/or installation instructions.

Liebherr is not responsible for economic loss, profit loss or direct, indirect or consequential damages, losses or other costs and expenses resulting from any spoilage of any items stored in a Liebherr refrigeration system including refrigerators, freezers, and wine coolers whether they be food, medicine, wine or otherwise. In no event will Liebherr have any liability or responsibility whatsoever for damage to surrounding property, including but not limited to cabinetry, floors, ceilings and other structures or objects around the product. You are solely responsible for any structure and setting for the product including but not limited to all electrical, plumbing or other connecting facilities, for proper foundation/flooring and for any alterations including without limitation cabinetry, walls, flooring and shelving. Warranties are void if the original serial numbers have been removed, altered or cannot be readily determined. Liebherr reserves the right to amend or alter this warranty and/or any warranty terms at Liebherr's discretion.

THE REMEDIES DESCRIBED ABOVE FOR EACH WARRANTY ARE THE ONLY ONES WHICH LIEBHERR WILL PROVIDE, EITHER UNDER THESE WARRANTIES OR UNDER ANY WARRANTY ARISING BY OPERATION OF LAW. LIEBHERR WILL NOT BE RESPONSIBLE FOR ANY CONSEQUENTIAL OR INCIDENTAL DAMAGES ARISING FROM THE BREACH OF THESE WARRANTIES OR ANY OTHER WARRANTIES, WHETHER EXPRESS, IMPLIED OR STATUTORY.

Some states/provinces do not allow the exclusion or limitation of incidental or consequential damages so the above limitation or exclusion may not apply to you. This warranty gives you specific legal rights and you may also have other legal rights which vary from state to state, or province to province.

For all other warranty inquiries or to receive parts and/or service and the name of the Liebherr authorized service representative nearest you, for the USA and Canada, contact the Liebherr designated national service provider at **service-commercial.us@liebherr.com** or call **1-844-LICOSVC (1-844-542-6782)** or contact your authorized Liebherr dealer or distributor.

For Service in the U.S. and Canada

Toll Free: **1-844-LICOSVC** or **1-844-542-6782**

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