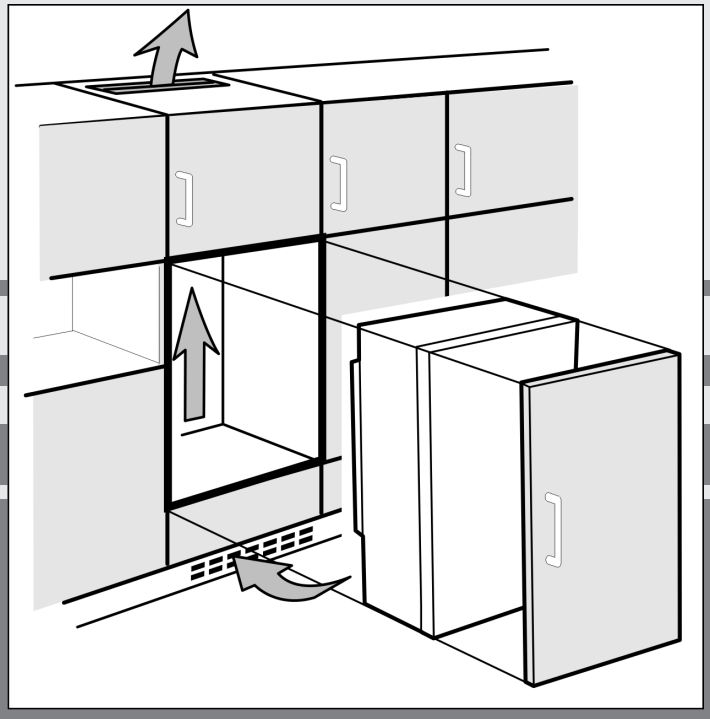
Installation instructions

Refrigerator for integrated use, door-on-door

GB



311013 **7085630 - 02**

IK/ IKP/ IKB/ IKBP ... LC/LP

LIEBHERR

Contents

1	General safety information	2
2	Transporting the appliance	2
3	Installing the appliance	2
4	Appliance dimensions	3
5	Recess dimensions	3
6	Unit door	4
7	Ventilation of the kitchen unit	4
8	Changing over door hinges	5
9	Installing the appliance in the recess	5
10	Disposing of packaging	6
11	Connecting the appliance	6

The manufacturer works constantly on the further development of all the types and models. Therefore please understand that we have to reserve the right to make design, equipment and technical modifications.

To get to know all the benefits of your new appliance, please read the information contained in these instructions carefully.

The instructions apply to several models. Differences may occur. Text relating only to specific appliances is marked with an asterisk (*).

Instructions for action are marked with a ▶, the results of action are marked with a ▷.

1 General safety information

- Only install, connect and dispose of the appliance according to the instructions. Take particular note of “Recess dimensions” (see 5) and “Ventilation of the kitchen unit” (see 7) .
- The socket must be easily accessible so that the appliance can be quickly disconnected from the supply in an emergency. It must be outside the area of the rear of 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.
	NOTICE	identifies a dangerous situation which, if not obviated, may result in damage to property.

	Note	identifies useful information and tips.

2 Transporting the appliance

⚠ **CAUTION**
Risk of injury and danger of damage as a result of incorrect transport!
▶ Transport the appliance in a packed condition.
▶ Transport the appliance upright.
▶ Do not transport the appliance without assistance.

3 Installing the appliance

⚠ **WARNING**
Risk of fire due to short circuit!
If the mains cable/connector of the appliance or of another appliance touch the rear of the appliance, the mains cable/connector may be damaged by the appliance vibrations, leading to a short circuit.
▶ Stand the appliance so that it is not touched by connectors or main cables.
▶ Do not plug the appliance or any others into sockets located near the rear of the appliance.

⚠ **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.
▶ Only use the appliance when it is installed.

⚠ **WARNING**
Fire hazard due to refrigerant!
The refrigerant R 600a is environmentally friendly but flammable. Escaping refrigerant may ignite.
▶ Do not damage the piping of the refrigeration circuit.

⚠ **WARNING**
Fire hazard and danger of damage!
▶ Do not place appliances emitting heat e.g. microwaves, toasters etc. on the appliance!

Note*
The bags at the rear of the appliance are important for proper operation. Their contents are nontoxic and nonhazardous.
▶ Do not remove the bags!

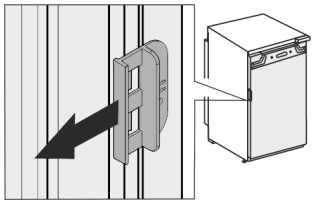
NOTICE
Risk of damage from condensation!
If your appliance is **not a Side-by-Side (SBS) appliance**:
▶ do not install the appliance directly next to another fridge/freezer.
If your appliance is **a Side-by-Side (SBS) appliance**:
▶ install the SBS fridge-freezer combination according to the accompanying sheet.

❑ In the event that the appliance is damaged, contact the supplier immediately before connecting to the mains.
❑ The floor at the site must be flat and level.
❑ Do not install the appliance in a location where it is exposed to direct radiation of the sun, next to a cooker, heater and similar.

- ❑ Do not install the appliance alone: it is best to work together with two or more people.
- ❑ The installation area of your appliance must demonstrate, per 8 gof refrigerant R 600a, a volume of 1 m^3 according to the EN 378 standard. If the installation area is too small, an inflammable gas-air mixture may arise as a result of a leakage in the refrigeration circuit. Information as to the refrigerant amount can be found in the type plate on the inside of the appliance.
- ❑ If the appliance is installed in a very damp environment, condensed water may form on the outside of the appliance. Always make sure that there is good ventilation - both at air inlet and outlet - at the site of installation.

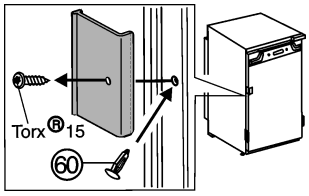
If the transport lock is inserted on the door:

▶ Pull off red transport lock.



If the transport lock is screwed onto the door:

▶ Unscrew red transport lock. Close the freed retaining hole with plugs (60).



After installation:

▶ Remove protective films, adhesive tapes and transport lock parts etc.

Note

▶ Clean the appliance **(see Operating Instructions, Chapter "Cleaning the appliance")**.

4 Appliance dimensions

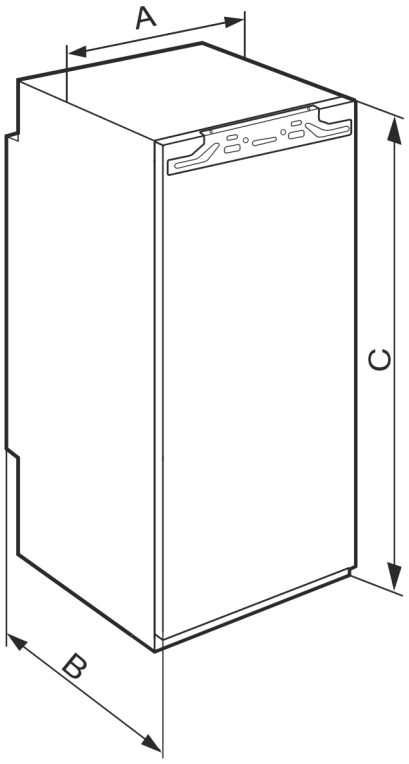


Fig. 1

	A (mm)	B (mm)	C (mm)
IG 10.., IGN 10..	559	544	712
IK 16.., IKP 16.., IG 16.., IGN 10..	559	544	872
IK 19..	559	544	1022
IK 23.., IKP 23.., IKB 23.., IKBP 23..	559	544	1218
IK 27.., IKB 27.., IKBP 27.., IGN 27..	559	544	1395
IK 35.., IKB 35.., IKBP 35.., IGN 35.., SIGN 35..	559	544	1770

5 Recess dimensions

The appliance is built-in and therefore completely enclosed by a kitchen unit. The kitchen unit concerned must be built exactly to the prescribed dimensions and allow for sufficient ventilation, both at air inlet and outlet, to ensure proper appliance operation.

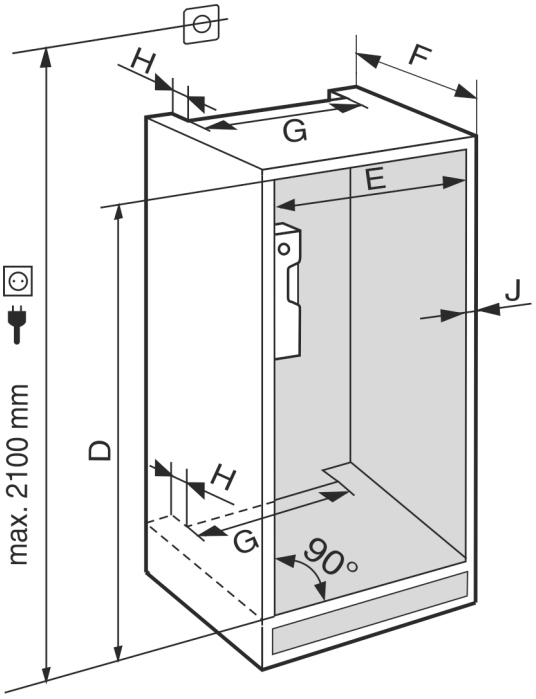
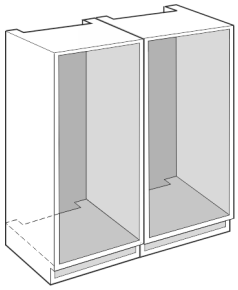


Fig. 2

	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	J (mm)
IG 10.., IGN 10..	714 — 730	560 — 570	min. 550	min. 500	min. 40	max. 19
IK 16.., IKP 16.. , IG 16.. , IGN 16..	874 — 890	560 — 570	min. 550	min. 500	min. 40	max. 19
IK 19..	1024 — 1040	560 — 570	min. 550	min. 500	min. 40	max. 19
IK 23.., IKP 23.., IKB 23.., IKBP 23..	1220 — 1236	560 — 570	min. 550	min. 500	min. 40	max. 19

	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	J (mm)
IK 27.., IKB 27.., IKBP 27.., IGN 27..	1397 — 1413	560 — 570	min. 550	min. 500	min. 40	max. 19
IK 35.., IKB 35.., IKBP 35.., IGN 35.., SIGN 35..	1772 — 1788	560 — 570	min. 550	min. 500	min. 40	max. 19

▶ In the case of Side-by-Side installation, two appliances next to one another, build the appliances into separate kitchen units.



▶ Check the wall thickness of the adjoining cabinets: it must be min. 16 mm thick.
▶ Only install the appliance in robust, stable kitchen units. Secure the units against tipping.
▶ Align the kitchen unit using a spirit level and marking square and if necessary compensate with shims.
▶ Ensure that the floor and walls of the unit are at right angles to one another.

6 Unit door

- One door is required for the kitchen unit.
- The door must be minimum 16 mm and maximum 19 mm thick.
- There must be a gap of minimum 3 mm width between the door and the unit door located above it (if one exists).
- The width of the unit door depends on the style of the kitchen and the gap size between the door panels of the cabinet. Generally, there should remain a vertical gap of 3 mm between the unit doors.
- If other cabinets are present, the top edge of the unit door should be on a level with the doors of the adjoining units.
- The unit door must be planar and mounted stress-free.

NOTICE
Risk of damage from over-heavy unit door!
If the unit door is too heavy, damage to the hinges and resulting impairment of function cannot be excluded.
▶ Before mounting the unit door, make sure that the door does not exceed the approved unit door weight.

Appliance Type	Maximum unit door weight (kg)
IK 19..	13
IK 16.., IKP 16.., IK 23.., IKP 23..	16
IK 27..	18
IKB 23.., IKBP 23..	19
IKB 27.., IKBP 27.., IG 10.., IGN 10.., IG 16.., IGN 16.., IGN 27..	20
IK 35.., IKB 35.., IKBP 35.., IGN 35.., SIGN 35..	23

7 Ventilation of the kitchen unit

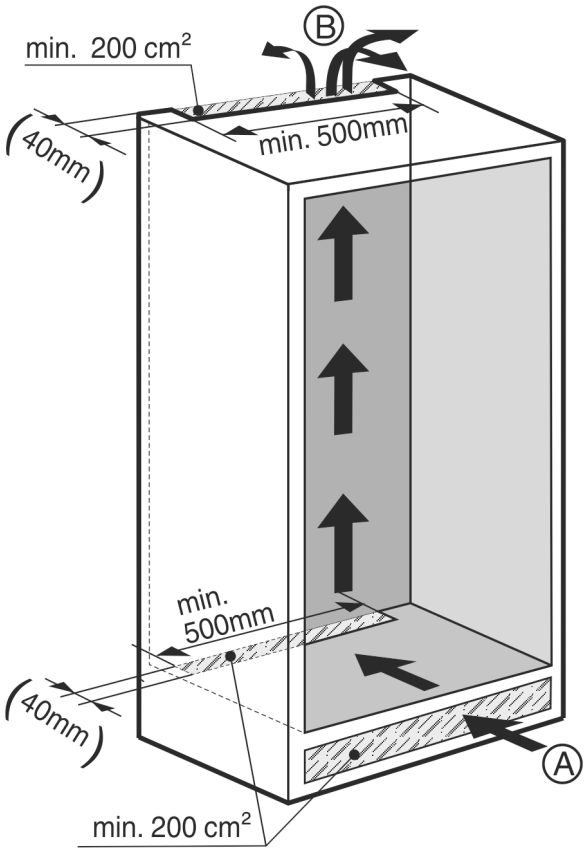


Fig. 3

- There must be an effective ventilation shaft of at least 200 cm² per appliance at the air inlet *Fig. 3 (A)* and outlet *Fig. 3 (B)* vent.
- The principle applies that the larger the ventilation shaft, the more energy-saving the operation of the appliance.
- The depth of the ventilation shaft at the back of the cabinet must be min. 40 mm.

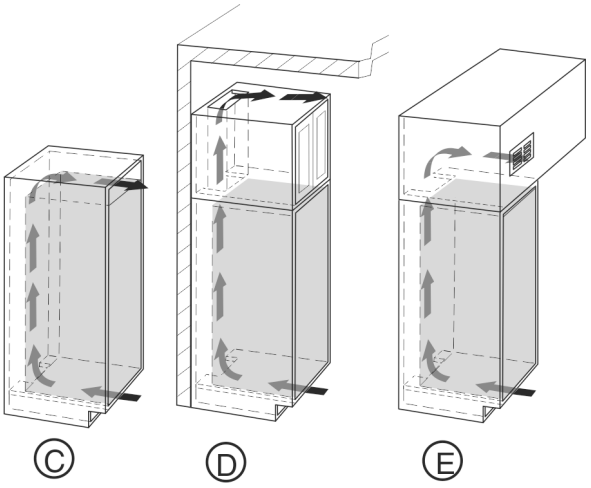


Fig. 4

- The upper ventilation shaft can either be positioned directly above the appliance with an optional ventilation grille *Fig. 4 (C)*, close to the ceiling above the unit *Fig. 4 (D)* or as an air outlet opening in a false ceiling *Fig. 4 (E)*.

*** Depending on model and options**

GB

8 Changing over door hinges

NOTICE
Risk of condensation damage for Side-by-Side appliances!
Certain appliances can be set up as Side-by-Side combinations (two appliances next to each other).
If your appliance is **a Side-by-Side (SBS) appliance**:
▶ Set up the SBS combination in accordance with the enclosed document.
If the **positioning of the devices is stipulated**:
▶ Do not change the door hinges over.

CAUTION
Risk of injury if soft stop contracts!
▶ Carefully remove the soft stop mechanism.

CAUTION
Risk of injury if hinges fold!
▶ Leave hinges open.

WARNING
Risk of injury due to the door dropping out!
If the fastening parts are not screwed into place firmly enough, the door may drop out. This may lead to severe injuries. What is more, the door may not close and therefore the appliance may fail to cool properly.
▶ Screw the hinges and the ball journal of the soft stop mechanism firmly into place, with 4 Nm.
▶ Screw the holder of the soft stop mechanism firmly into place, with at least 3 Nm.
▶ Check all of the screws and retighten if necessary.

Note
The door hinges can only be changed over if there is sufficient space towards the top to pull out the hinge mounting bracket and to mount it again on the other side. This is generally not the case after installation in the recess.
▶ Change the hinges over before the appliance is installed in the recess.

	There is a risk of injury during this stage! Please observe the safety instructions!
*	The instructions apply to several models. Only carry out this step if it is relevant for your appliance.
	Choose between the alternatives given.
	Loosen the screws only, do not undo them all the way.
	Check the screws and tighten if necessary.

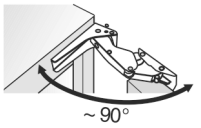
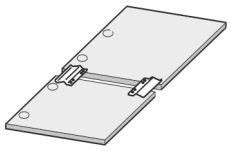
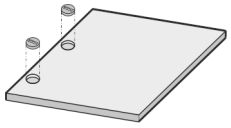
▶ While changing over the door hinges, observe the safety instructions above and also the information in the symbols key.

Change the hinges over as shown at the end of the book.

9 Installing the appliance in the recess

WARNING
Fire hazard from short-circuiting!
▶ When pushing the appliance into the recess, take care not to crush, jam or damage the mains power cable.
▶ Do not operate the appliance with a defective mains power cable.

NOTICE
Risk of damaging the hinges!
If when being pushed the appliance is held by the door, the hinges could be damaged.
▶ When pushing or otherwise moving the appliance, always hold it by the main body.

For installation into the recess, the following accessories are available from Customer Services:	
Set for limiting the door opening angle to 90°	
Set for mounting divided unit fronts	
Set with cover for concealed hinges	

	There is a risk of injury during this stage! Please observe the safety instructions!
*	The instructions apply to several models. Only carry out this step if the appliance is equipped with the corresponding feature.
	Choose between the alternatives given.
	Loosen the screws only, do not undo them all the way.
	Check the screws and tighten if necessary.

▶ Please take note of the information in the symbols key during installation.

Install the appliance into the recess as shown at the end of the book.

10 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.

11 Connecting the appliance

NOTICE
Risk of damage to the electronic control system!
▶ Do not use stand-alone inverters (conversion of d.c. to a.c./ three-phase) or energy saving plugs.

WARNING
Fire and overheating hazard!
▶ Do not use extension cables or multiple socket outlets.

The type of current (alternating current) and voltage at the installation site have to conform with the data on the type plate (see Appliance at a glance).

The socket must be properly earthed and fused. The tripping current for the fuse must be between 10 A and 16 A.

The socket must be easily accessible so that the appliance can be quickly disconnected from the supply in an emergency. It must be outside the area of the rear of the appliance.

▶ Check the electrical connection.
▶ Plug in the power plug.

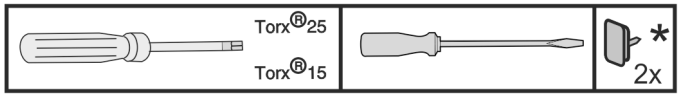


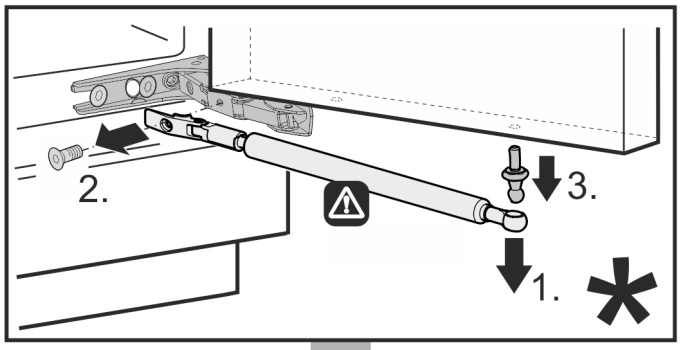
* Depending on model and options

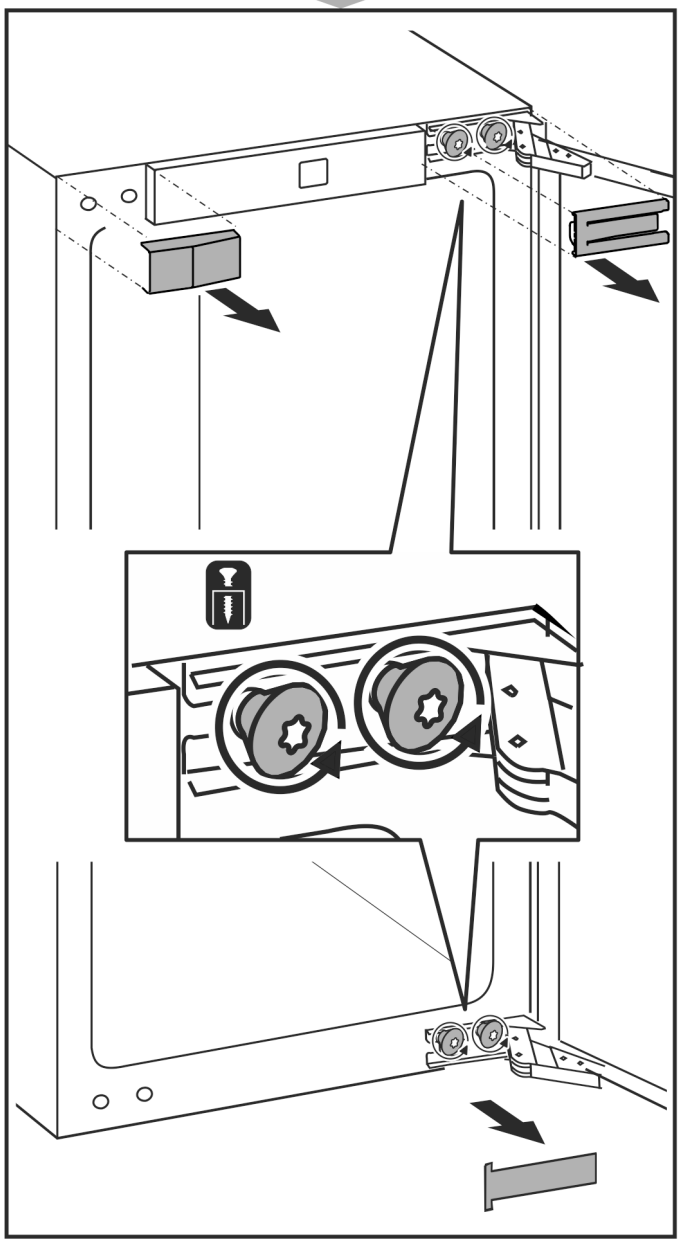
GB

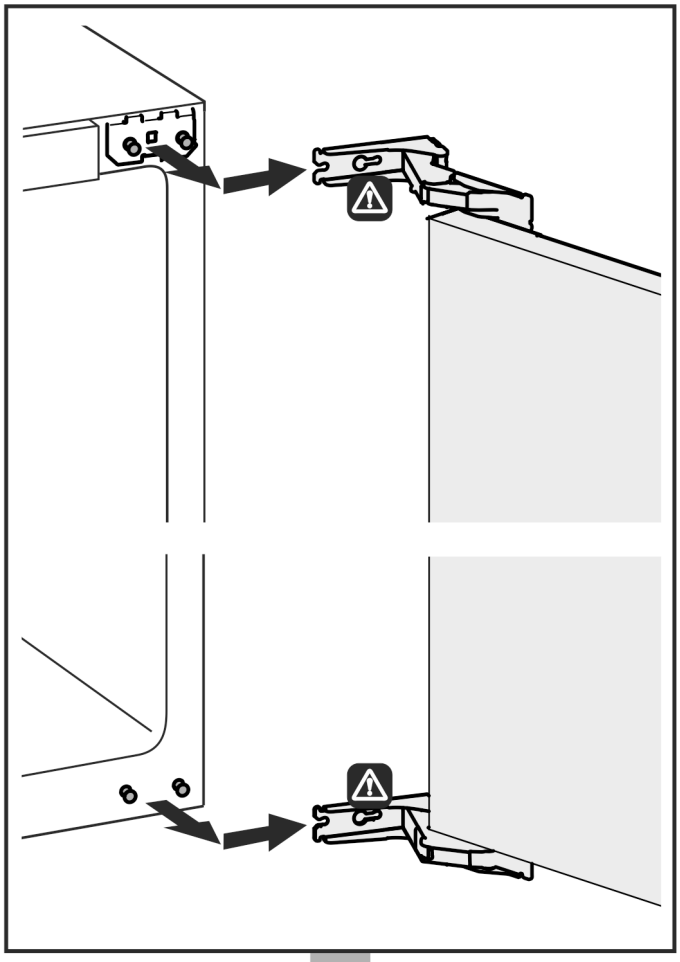
Türanschlagwechsel
Changing over the door hinges
Cambio del tope de puerta
Inversion du sens d'ouverture de la porte
Перевешивание дверей

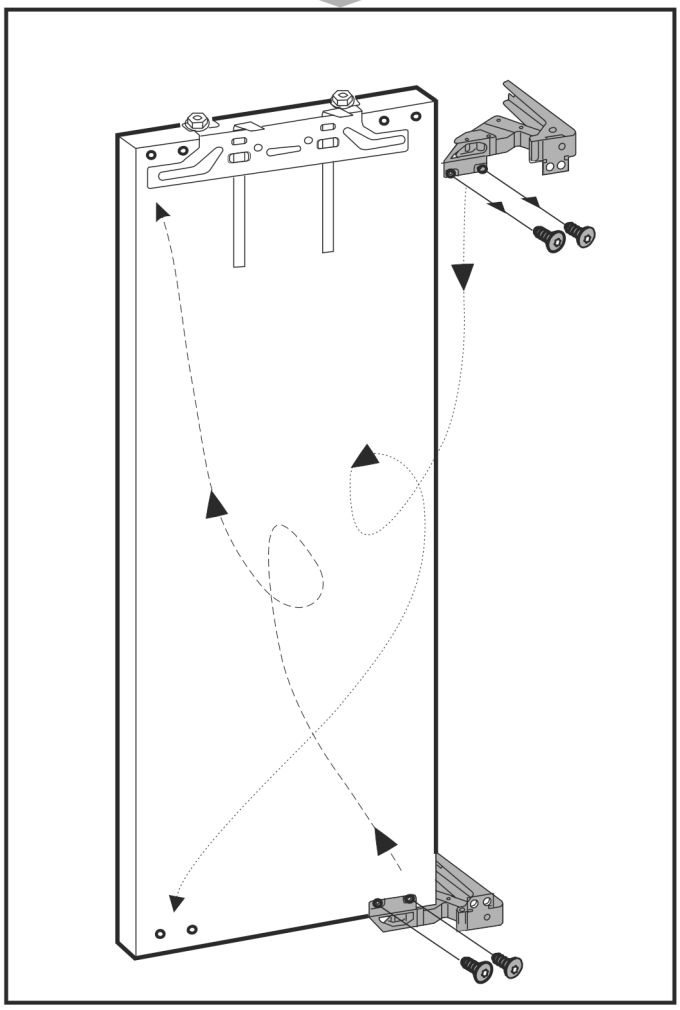




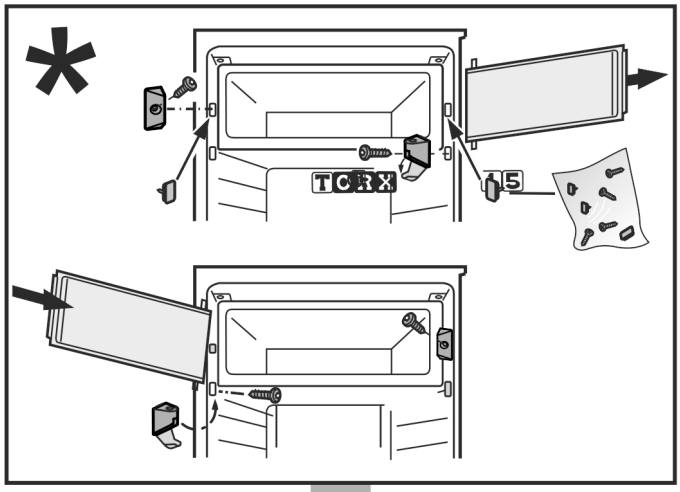


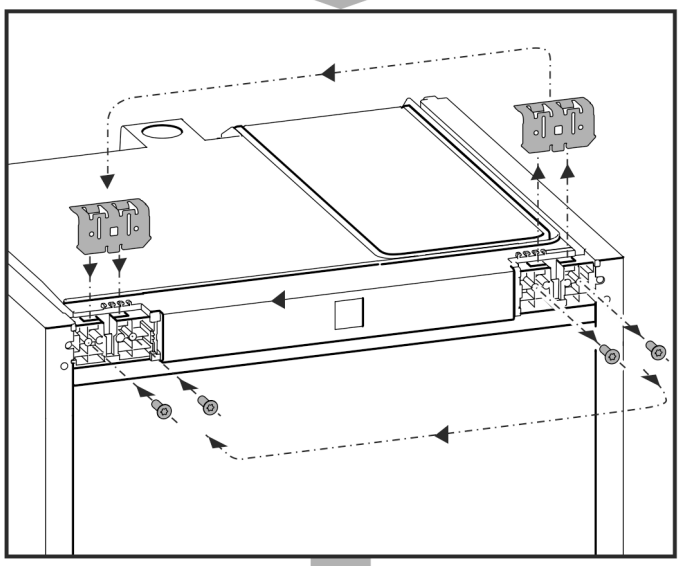


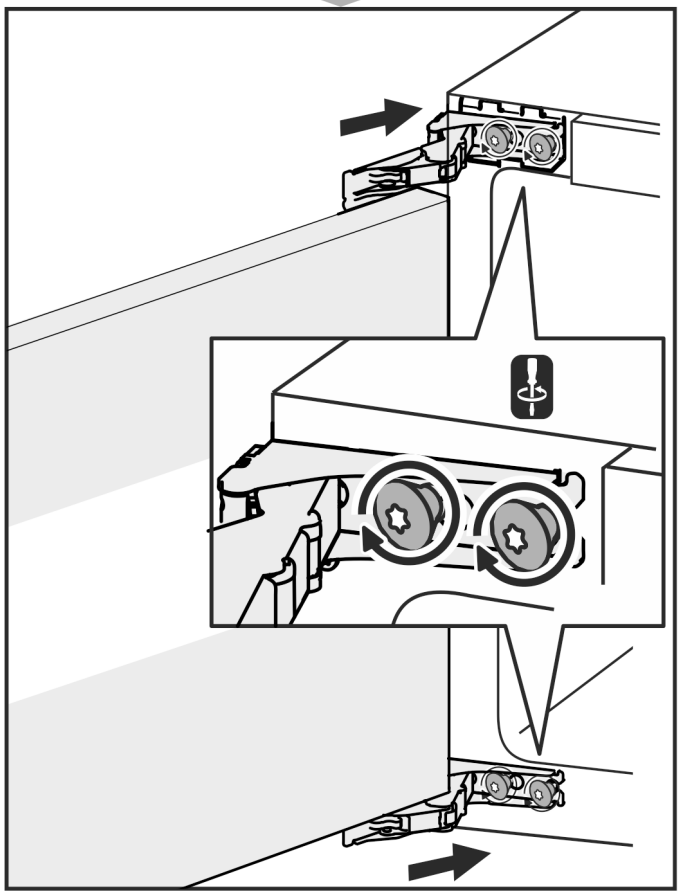


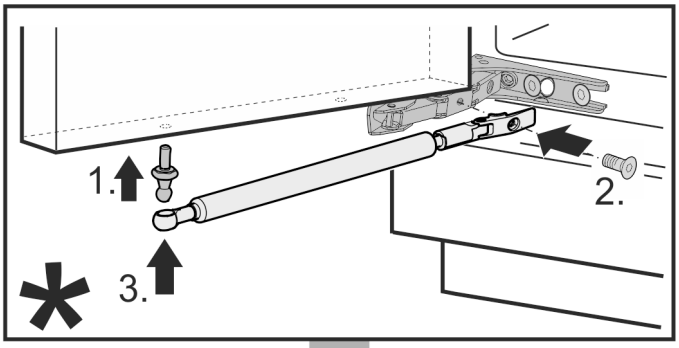


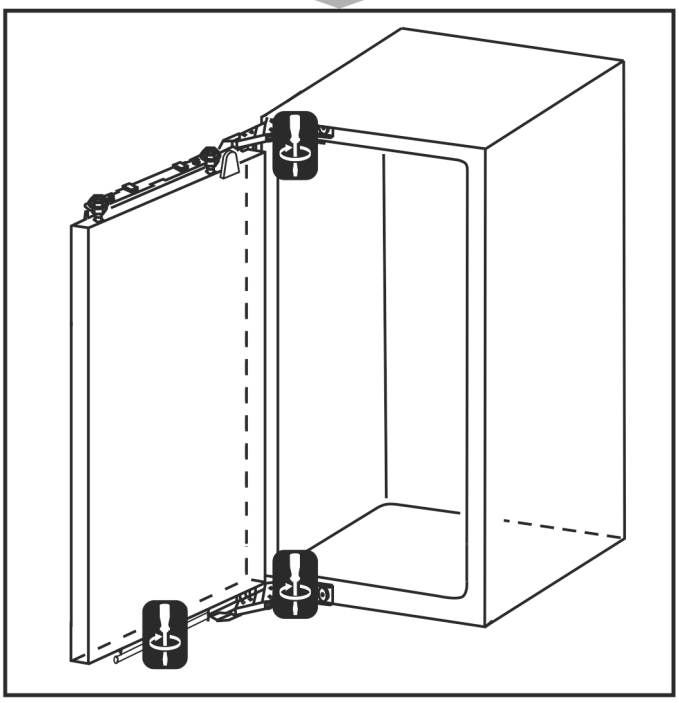
* **Depending on model and options**

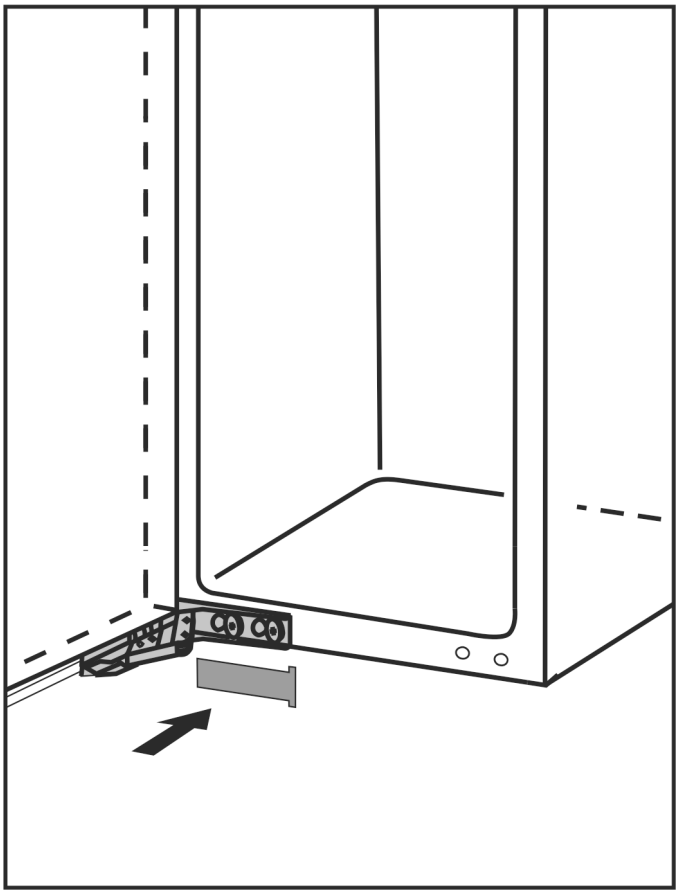










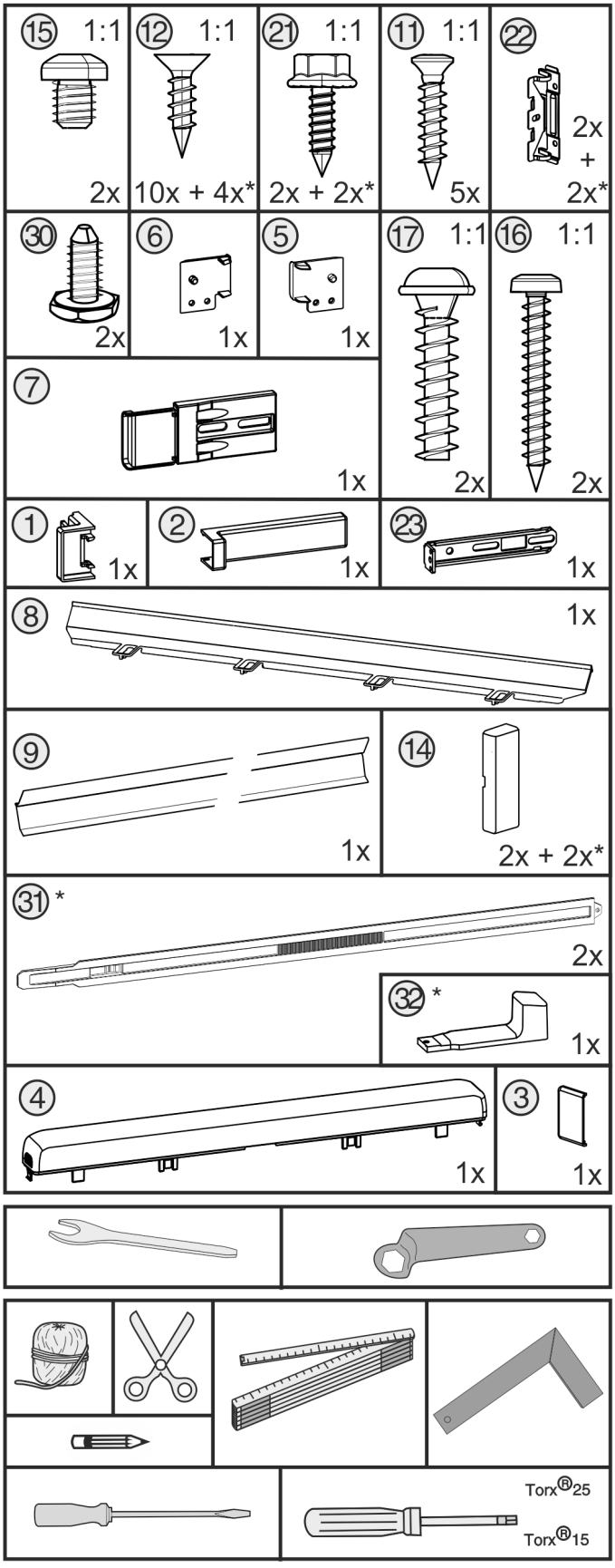


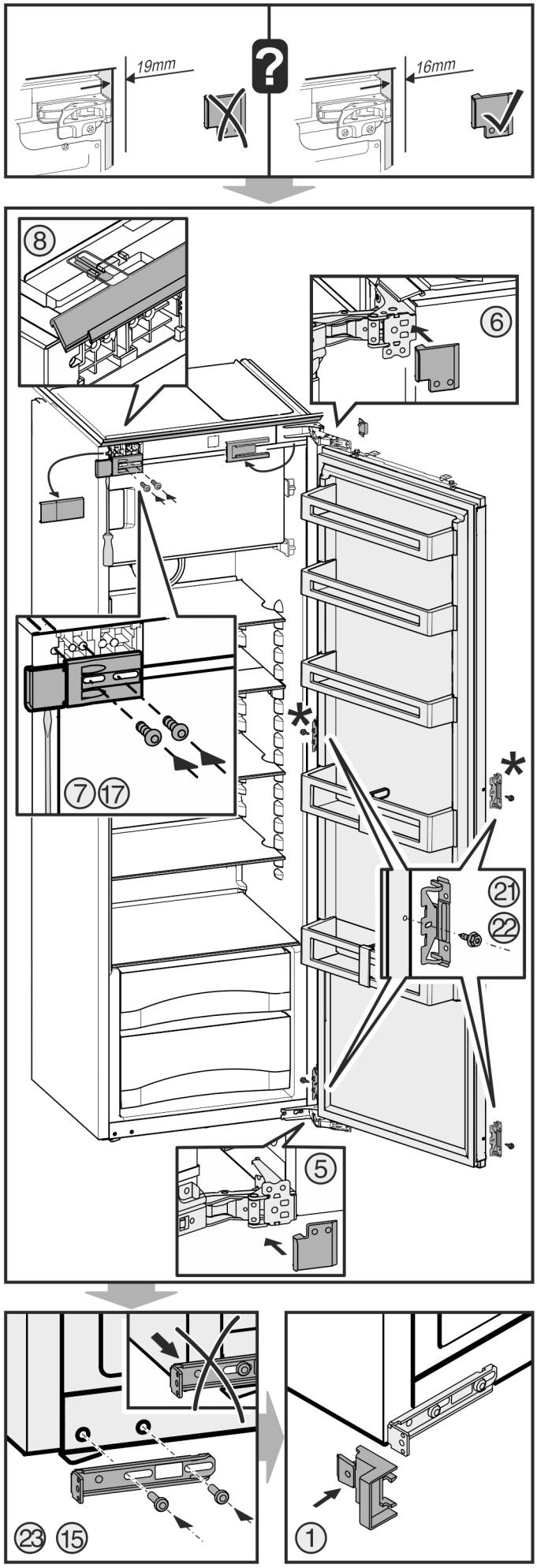
* Depending on model and options

GB

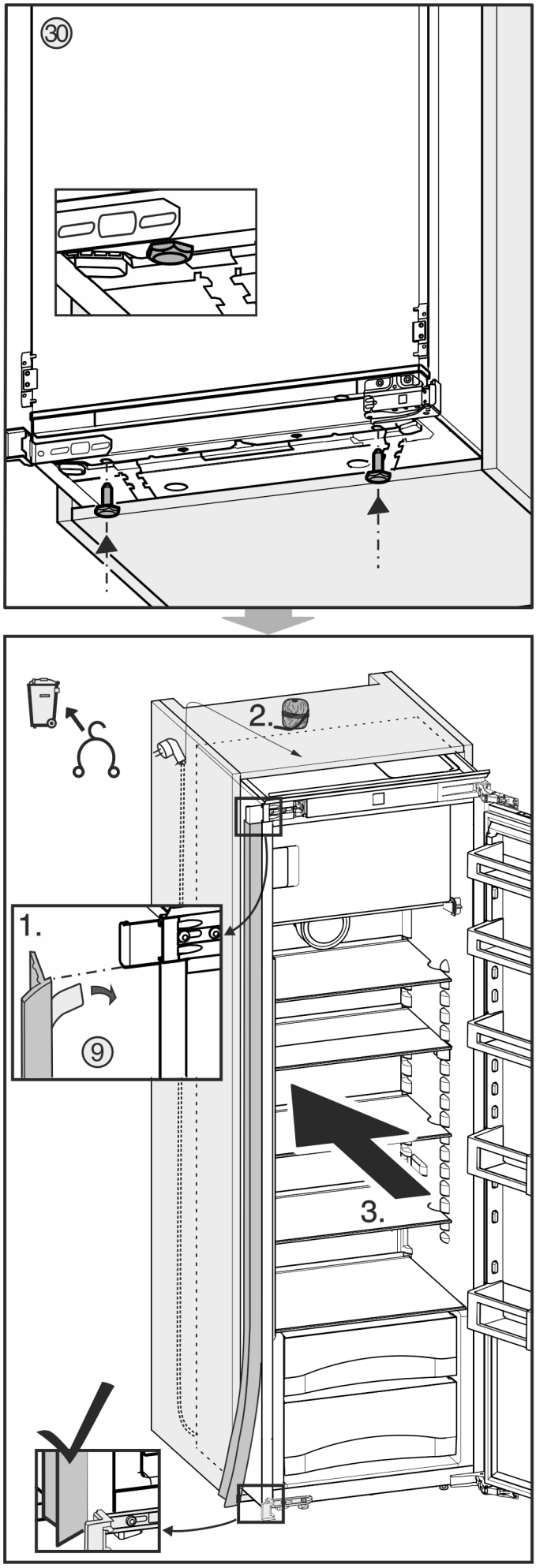
Einbau in die Nische
Installation
Montaje
Montage
Установка

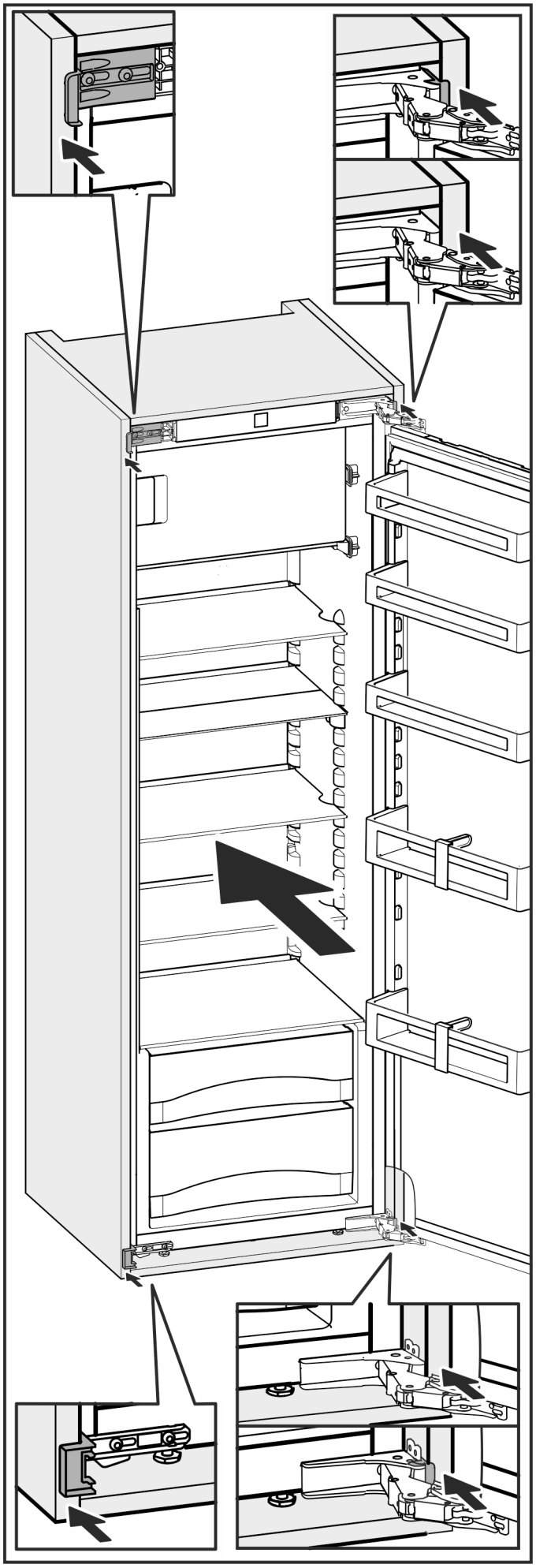






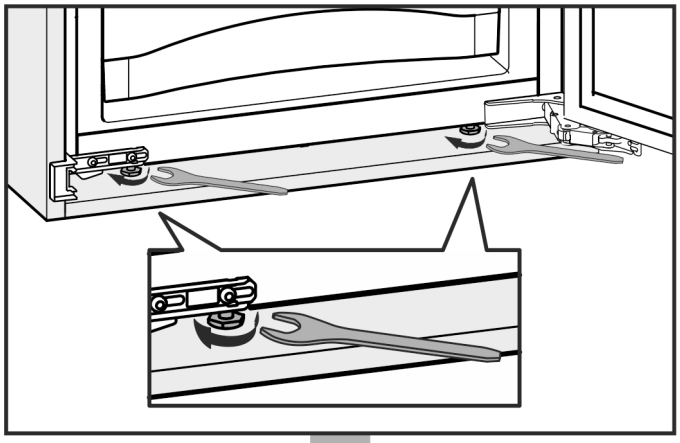
* Depending on model and options

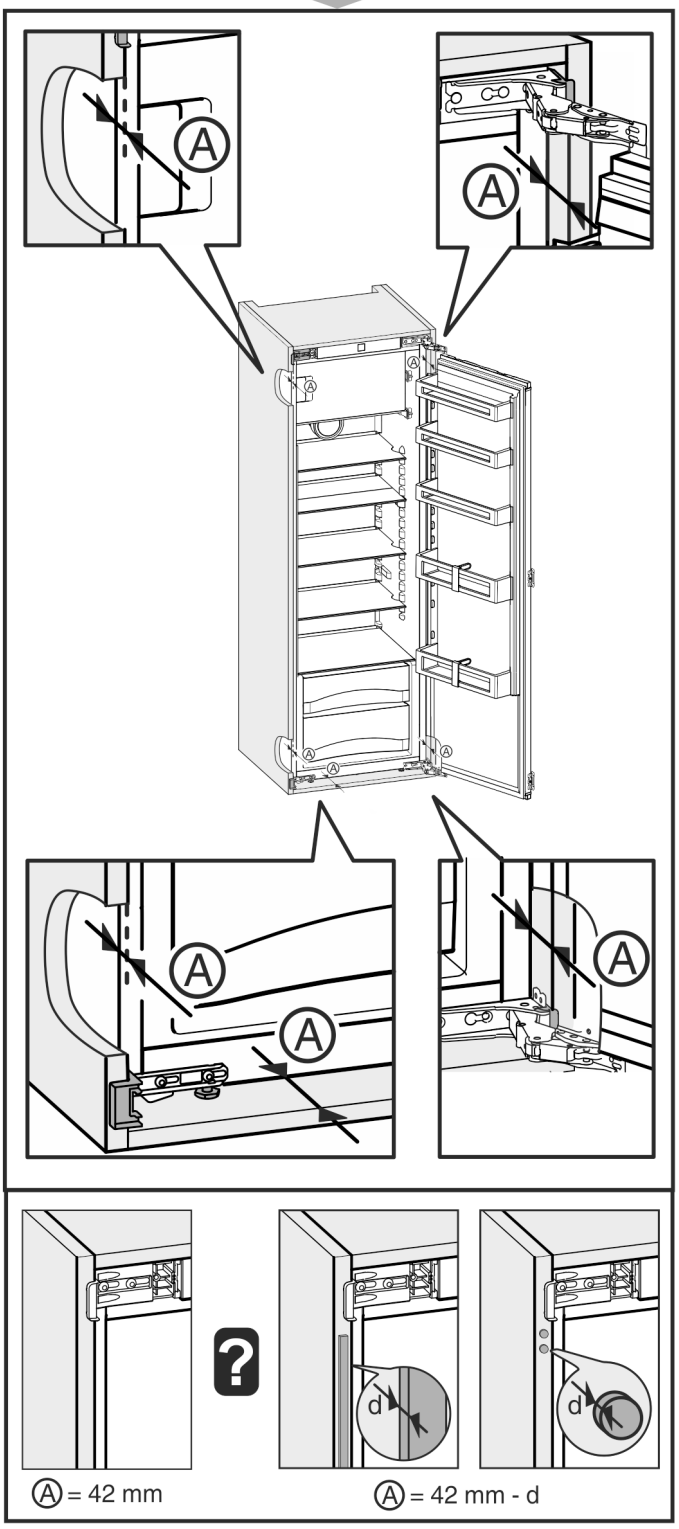


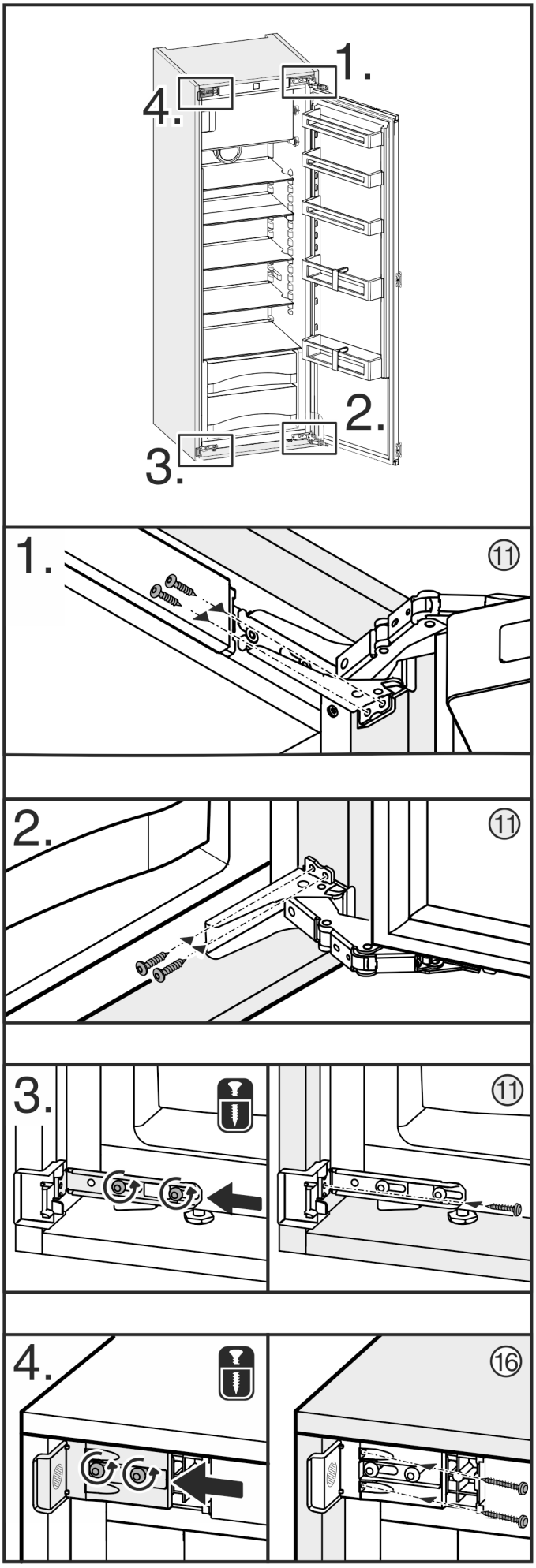


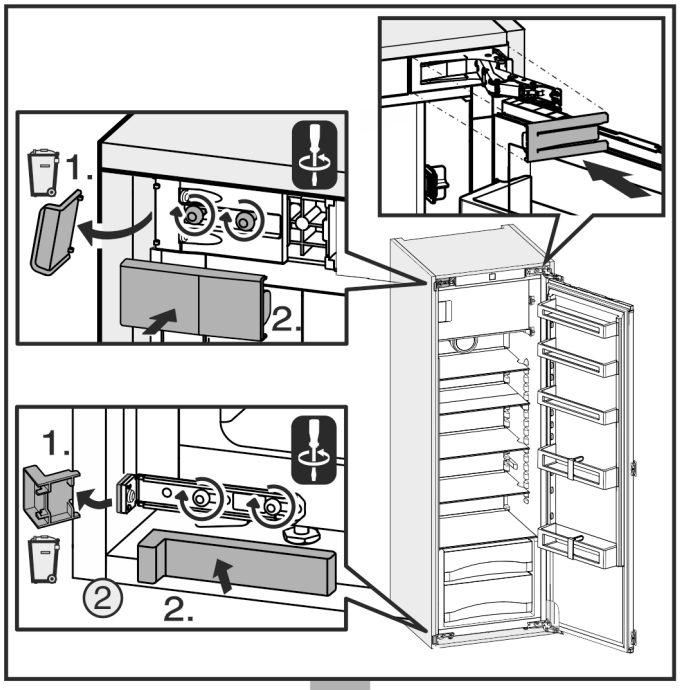
* Depending on model and options

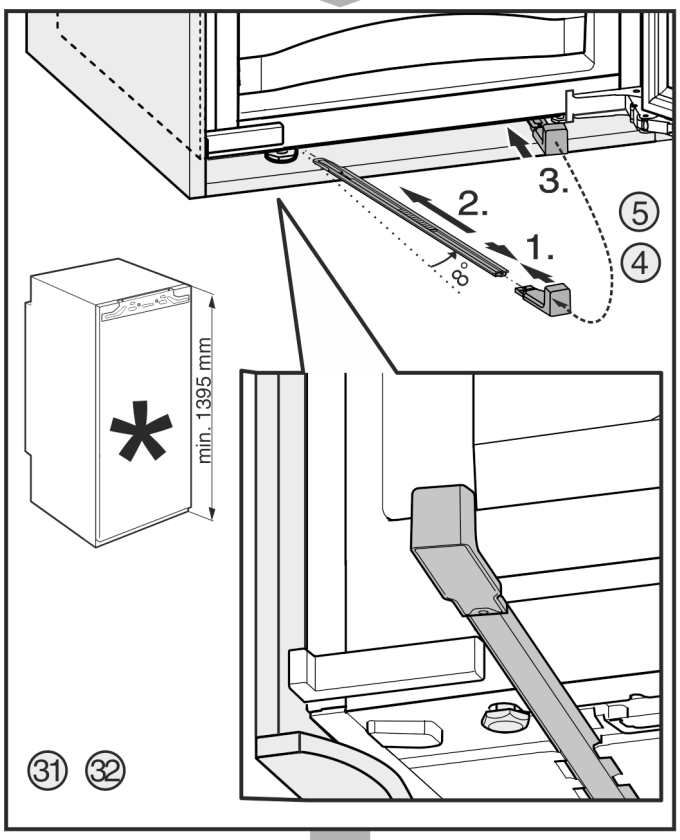
GB

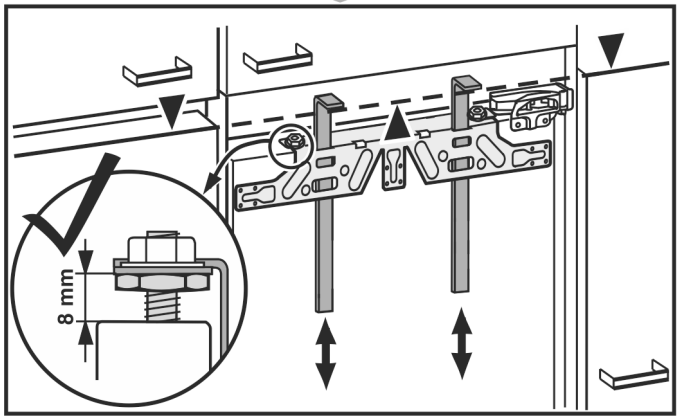


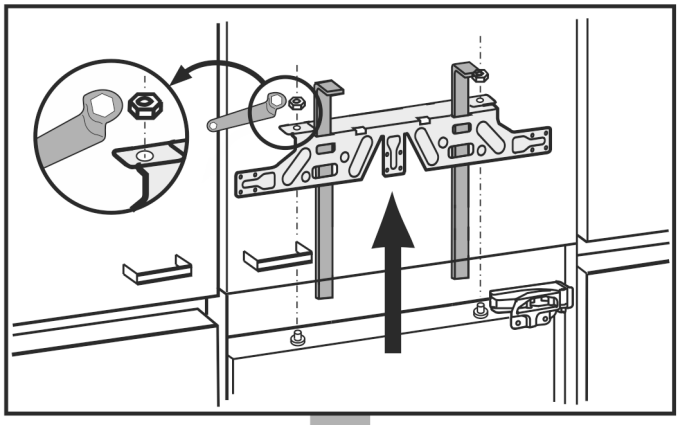


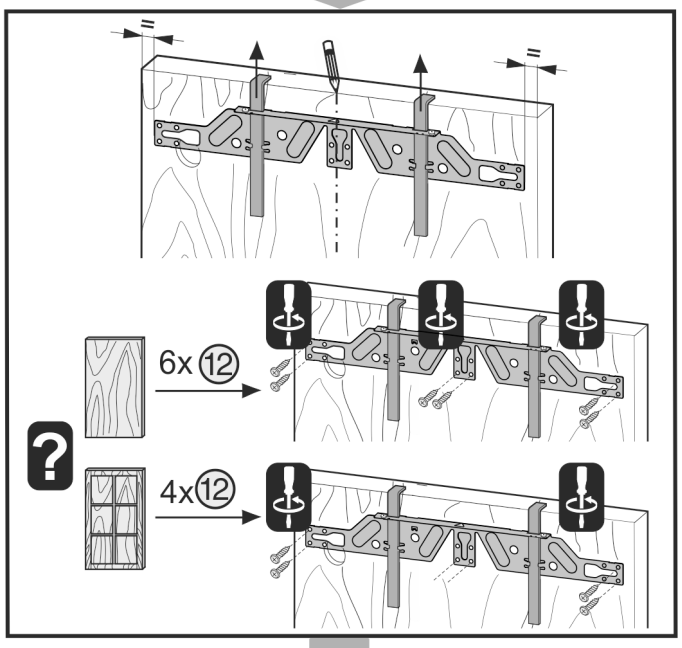


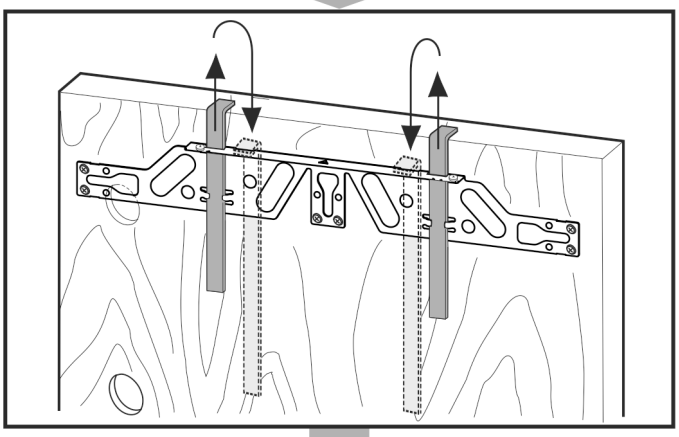


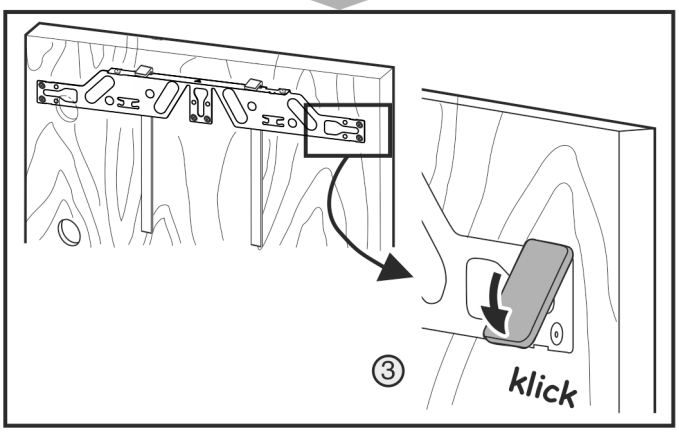






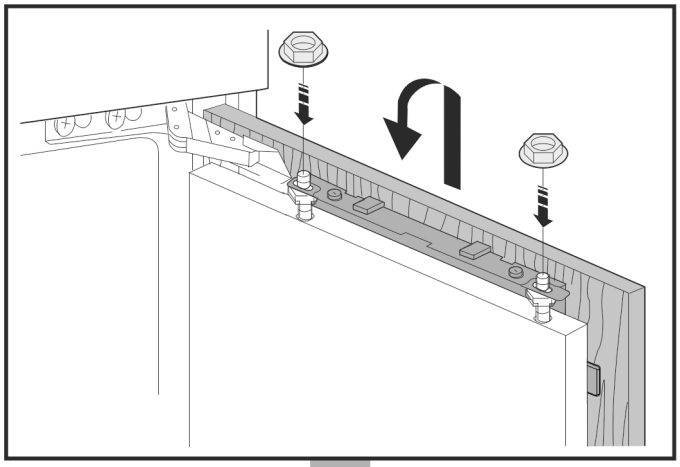


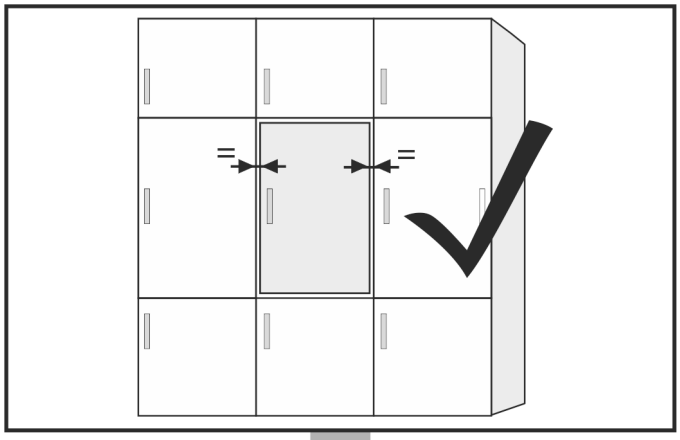


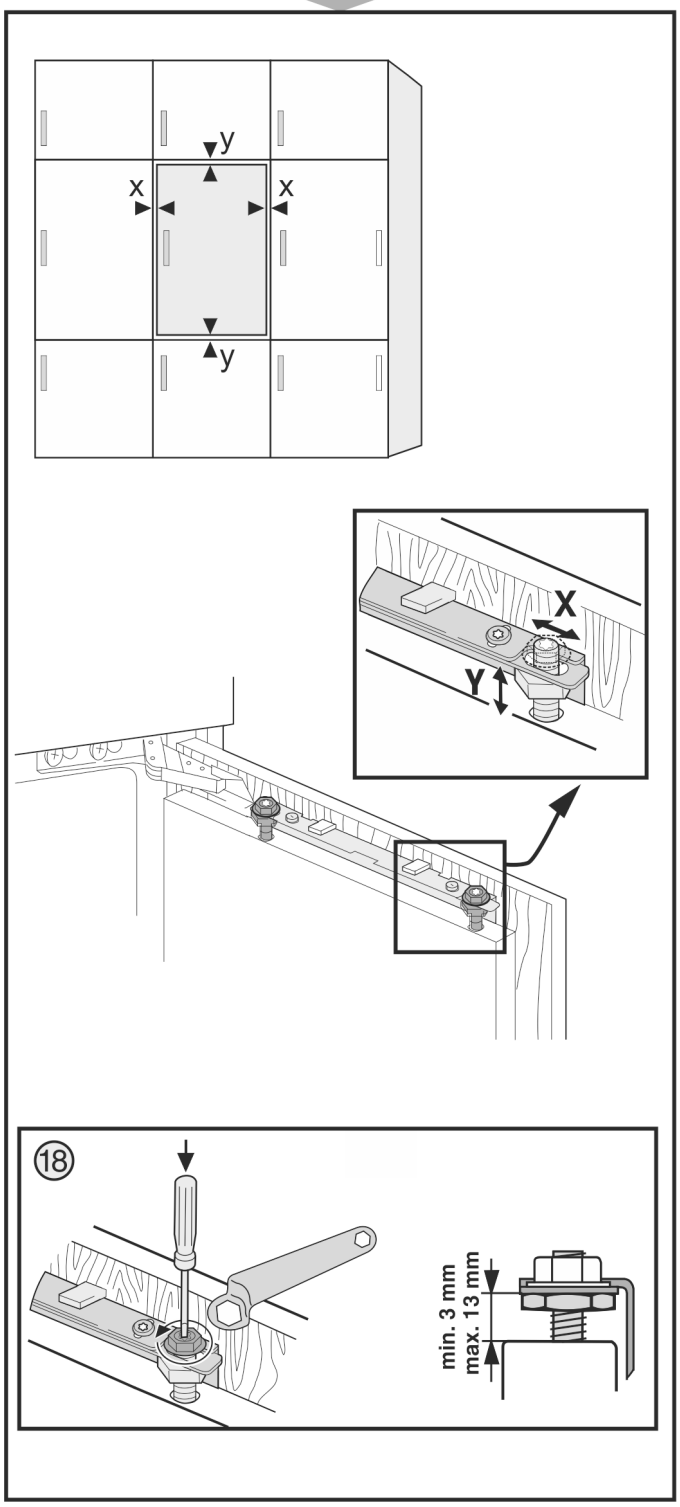


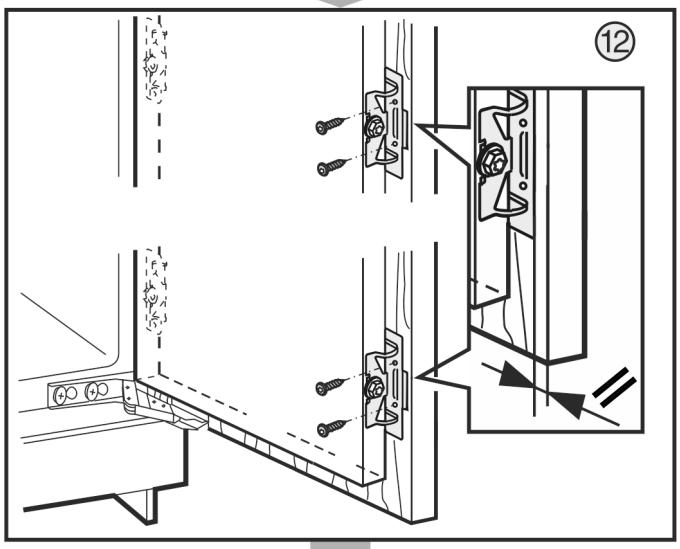
* Depending on model and options

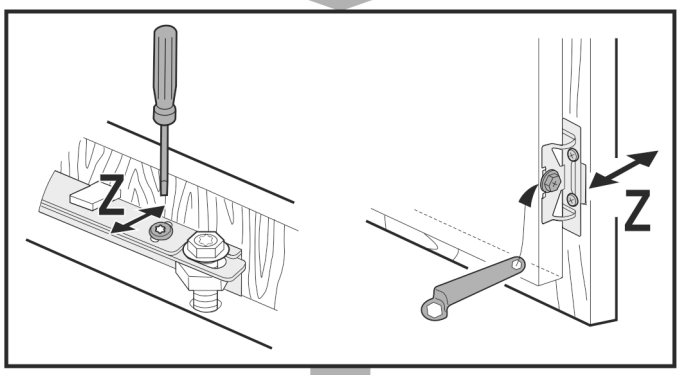
GB

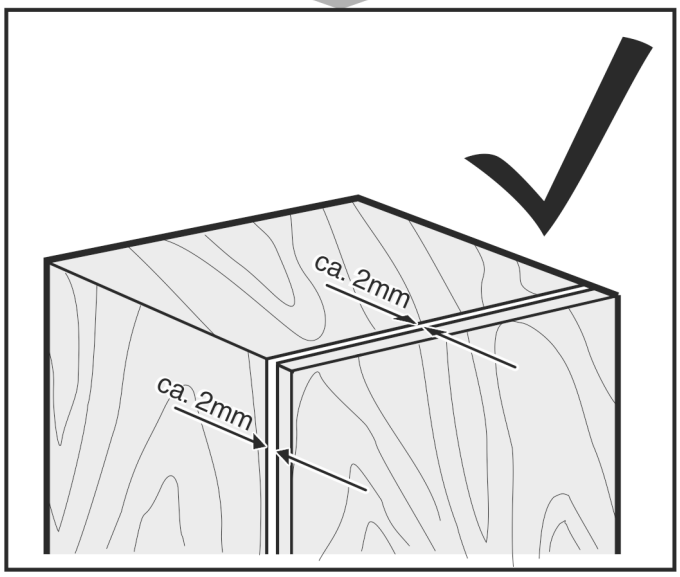




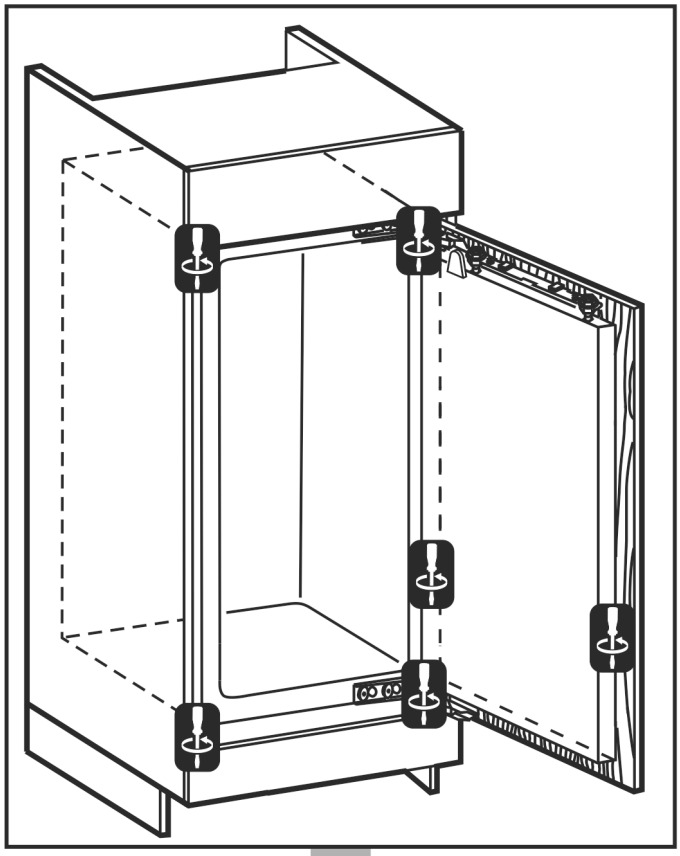


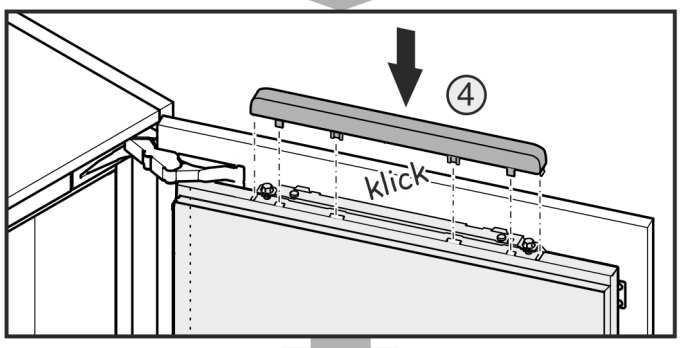


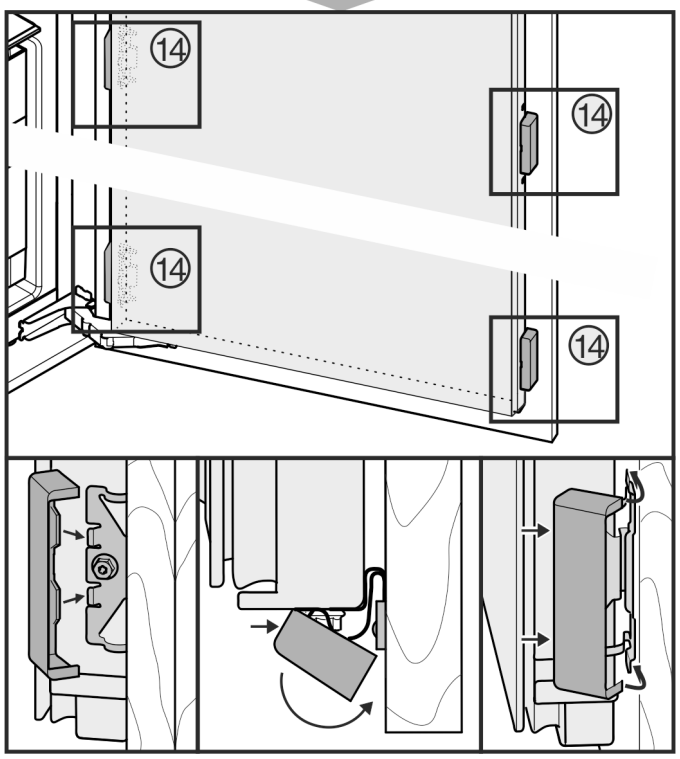


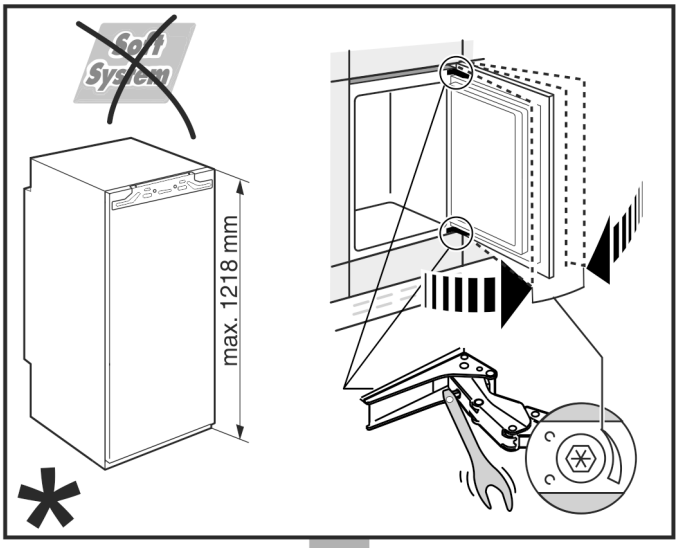


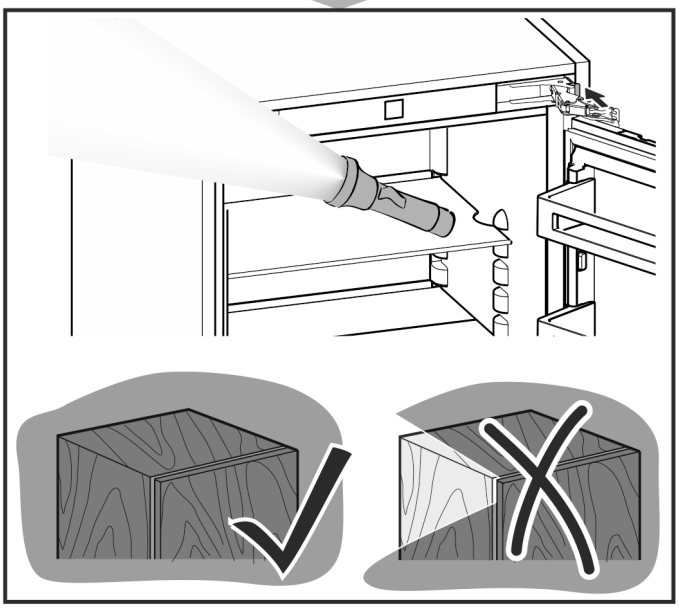
* Depending on model and options











* Depending on model and options