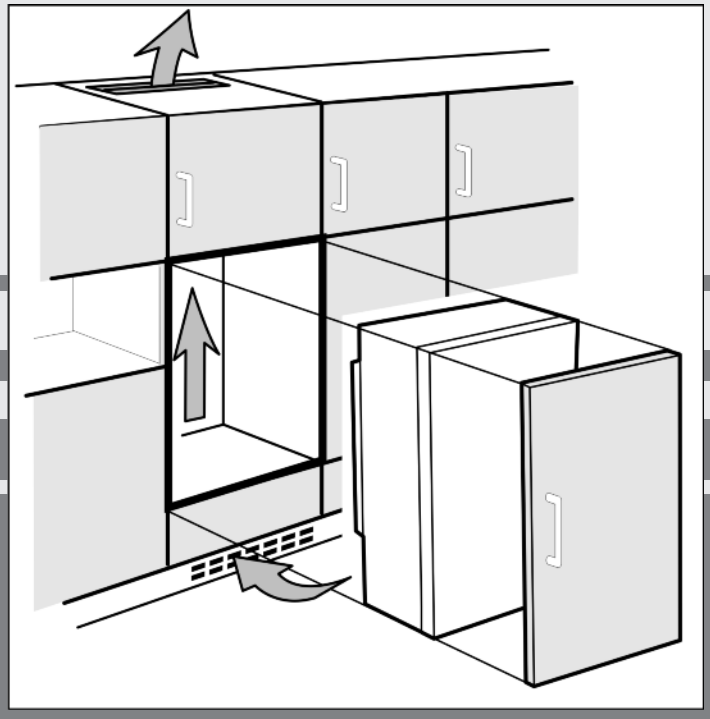
Installation instructions

Refrigerators and freezers for integrated use, door-on-door

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9/08 **7082584 - 02**

IK/ IKB/ IKP/ IG/ IGN ... 1/ 3/ 6

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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

⚠	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.

It is important that the procedures and directions given in these instructions are complied with in order that the appliance is correctly installed and works properly. Read and grasp all the information in these instructions before the appliance is installed.

2 Installing the appliance

In the event that the appliance is damaged, contact the supplier immediately before connecting to the mains.

The floor of the installation site must be level and smooth.

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 without assistance.

According to the EN 378 standard, the room in which your appliance is installed must have a volume of1 m^3 per 8 g of R 600a refrigerant. If the room in which the appliance is installed is too small, a flammable gas-air mixture may form in the event of a leakage in the refrigeration circuit. The quantity of refrigerant used in your appliance is indicated on the type plate on the inside of the appliance.

Fit the appliance in stable kitchen units only.
The following ventilation gaps must be observed:

- ❑ The depth of the ventilation channel at the rear of the unit must be at least 38 mm.
- ❑ The minimum cross sections of the ventilation spaces in the plinth and top of the furniture unit are 200 cm^2.
- ❑ The principle applies: the larger the ventilation gap, the more energy-saving the appliance is in operation.

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

▶ Detach the connecting cable from the rear of the appliance, removing the cable holder because otherwise there will be vibratory noise!

After installation:
▶ Remove the protective film from the decorative trims.*
▶ Remove the protective film from the decorative trims and drawer fronts.*
▶ Remove all transit supports.
▶ Dispose of packaging material. See section on packaging disposal.

If the appliance is installed in a very damp environment, condensate may form on the outside of the appliance.
▶ Always see to good ventilation at the installation site.

3 Changing over door hinges

Ensure that the following tools are to hand:

- ❑ Crosstip screwdriver
- ❑ Flat-blade screwdriver
- ❑ • Cordless screwdriver Torx 15
  - Cordless screwdriver Torx 20
  - Cordless screwdriver Torx 25

Slide the appliance 2/3 of the way into the recess.

Pull out the power plug.

Open door.

3.1 To detach the soft stop mechanism*

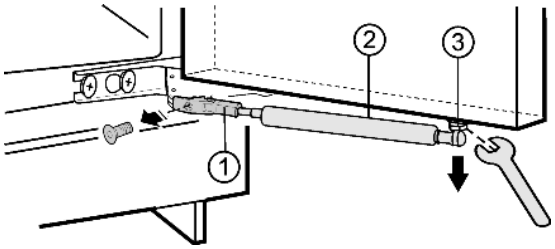


Fig. 1

CAUTION
Risk of injury if soft stop contracts!
- Detach with care.

for appliances 870 mm or 1022 mm high:
- remove lower door rack.
- Unscrew holder *Fig. 1 (1)*.
- Unscrew ball journal *Fig. 1 (3)* together with the soft stop mechanism *Fig. 1 (2)* from the door and set it aside.

3.2 Demount door

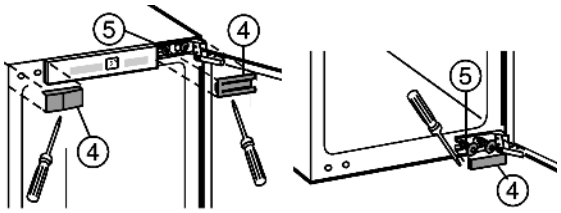


Fig. 2

- Lift off covers *Fig. 2 (4)*.
- Only slacken fastening screws *Fig. 2 (5)*.
- To remove door: push it outwards, detach it and set it aside.

3.3 Change freezer compartment door*

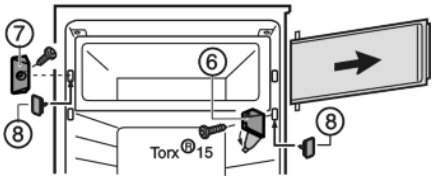


Fig. 3

- Fold away cover of turn hinge *Fig. 3 (6)*.
- Unscrew turn hinge *Fig. 3 (6)* together with compartment door.
- Unscrew closing element *Fig. 3 (7)*.
- Close the vacated holes with the accompanying stoppers *Fig. 3 (8)*.

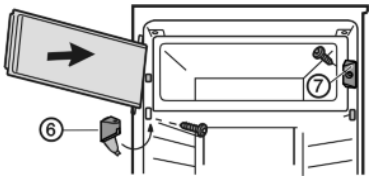


Fig. 4

- Fit closing element *Fig. 4 (7)*.
- Fit compartment door at the top.
- Fit turn hinge *Fig. 4 (6)* and fold the cover.

3.4 Transfer bearing parts

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

- Transfer top and bottom fastening screws *Fig. 2 (5)* to the opposite side.

Screws are self-tapping. Use cordless screwdriver:
- Unscrew *Fig. 5 (9)* hinges from the door and transfer them.
- Close vacated fastening holes with stoppers *Fig. 5 (10)*.

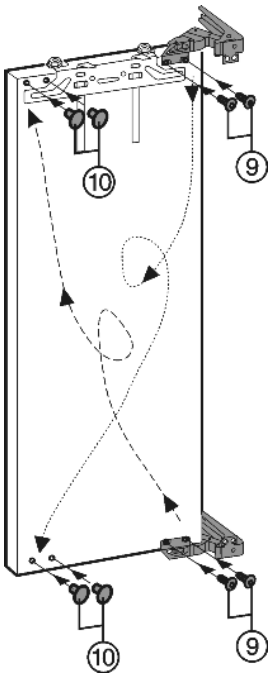


Fig. 5

3.5 Re-fit door

- Attach appliance door to the prefitted fastening screws *Fig. 2 (5)*.
- Tighten fastening screws *Fig. 2 (5)*.
- Re-fit covers *Fig. 2 (4)*.

3.6 Re-fit soft stop mechanism*

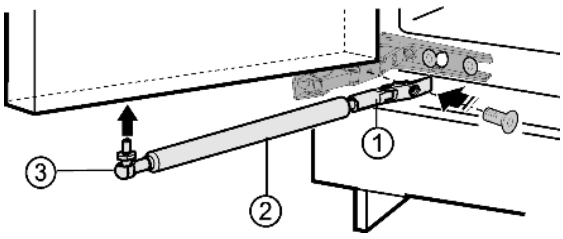


Fig. 6

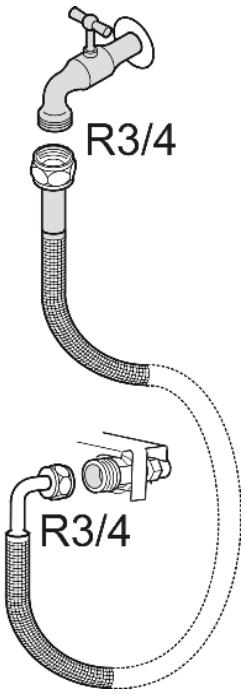
- Screw on holder *Fig. 6 (1)*.
- Screw ball journal *Fig. 6 (3)* together with the soft stop mechanism *Fig. 6 (2)* into the new fastening hole.

4 Water connection*

WARNING
Danger of electric shock!
- Disconnect the appliance by unplugging it before you connect it to the water line.
- Shut off the water supply before you connect the water feed lines of the IceMaker.
- The connection to the drinking water system may be carried out only by a qualified gas fitter and plumber.

WARNING
Risk of poisoning!
- The water quality has to conform with the drinking water ordinance of the respective country in which the appliance is used.
- The IceMaker serves exclusively for making ice cubes in household quantities and has to be operated with water suitable for the purpose.

– The water pressure has to be between 1.5 bar and 6 bar.
– The water supply to the appliance must be via a cold water pipe which withstands the operating pressure and complies with the hygiene regulations.
  Use the accompanying stainless steel hose for the purpose (1.5 m long). A 3 m hose is available from customer service and has to be fitted by an expert.
  In the hose connecting piece is a sieve with seal.
– Between the hose and the domestic water connection there has to be a stop valve to interrupt the water supply in case of need.
– All the fixtures and fittings used for water supply have to comply with the applicable regulations of the respective country.
– Do not damage or kink the water inlet pipe when installing the appliance.



▶ Connect the straight part of the accompanying stainless steel hose to the stop valve.

The solenoid valve is at the bottom back of the appliance. The connection dimension of the solenoid valve is 3/4".

▶ Connect the angled part of the stainless steel hose to the solenoid valve.
▶ Open the stop valve of the water supply and check that the entire water system is leakproof.
  Before initial use:
▶ Have the water pipe bled of air by the proper expert.



5 Installation

All the fasteners accompany the appliance.

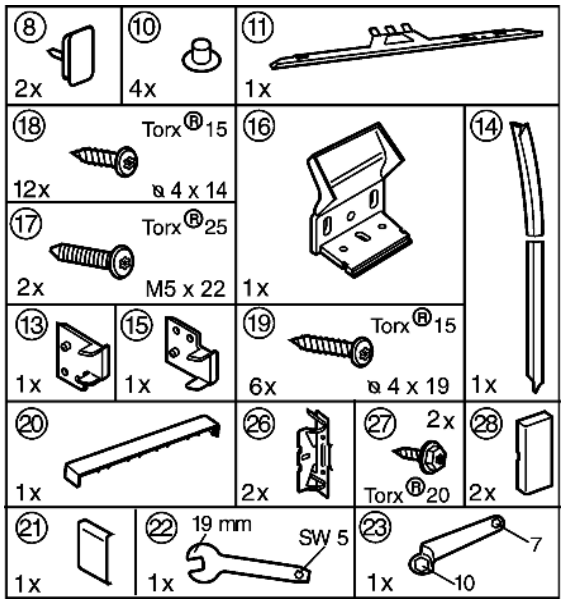


Fig. 7

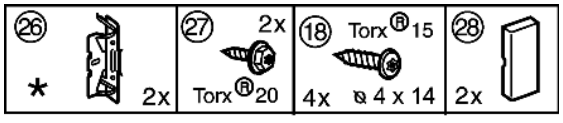


*Fig. 8**

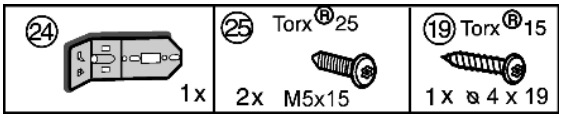


Fig. 9

Ensure that the following tools are to hand:

❑ Cordless screwdriver Torx® 15, 20, 25
❑ Spanner 13
❑ Crosstip screwdriver

The shelf and side walls of the unit must be at right-angles to one another. Align the unit with a spirit level and an angle. If necessary, level out by building up from underneath.

The appliance can also be installed in an ordinary kitchen cabinet. In this case detach the fittings of the unit door and recess. They are no longer needed as the unit door is fitted to the appliance door.

Check installation dimensions:

A	B
712 mm	714 mm - 730 mm
872 mm	874 mm - 890 mm
1022 mm	1024 mm - 1040 mm
1218 mm	1220 mm - 1236 mm
1395 mm	1397 mm - 1413 mm
1770 mm	1772 mm - 1788 mm

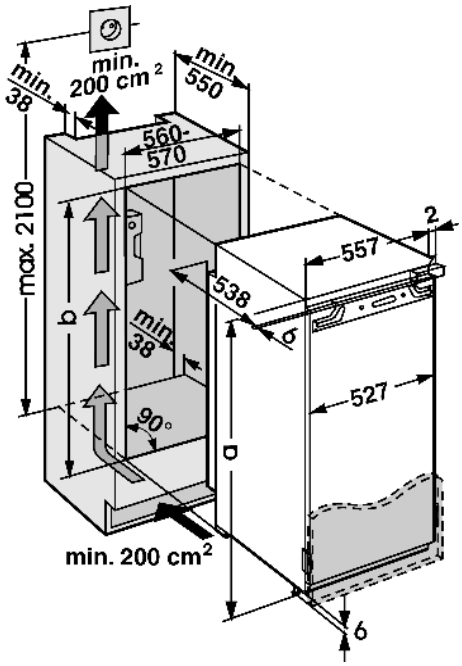


Fig. 10

Note

▶ Before assembling the door of the unit, make sure that the admissable weight of the unit door is not exceeded.
▶ Otherwise damage to the hinges and resultant malfunction cannot be ruled out.

Model	Max. weight of unit door
IKP 2050, IKP 1854, IK1814, IK2010	13 kg
IKP 2850, IKP 2654, IKB 2614, IKB 2654, IKB 2810, IKB 2850, IK 2850	15 kg
IKP 1750, IKP 1554, IKP 2450, IKP 2254, IK 1710, IK 1514	16 kg
IK 1700, IK 1504, IK 2410, IK 2214	17 kg

Model	Max. weight of unit door
IKB 3414, IKB 3454, IK 3414, IKB 3610, IKB 3650, IK 3610	18 kg
IKB 2214, IKB 2254, IKB 2410, IKB 2450	19 kg
IG 956, IG1156, IG 1956, SIG 1956, IGN 2556, IGN 2566, SIGN2566	20 kg

5.1 Installing the appliance

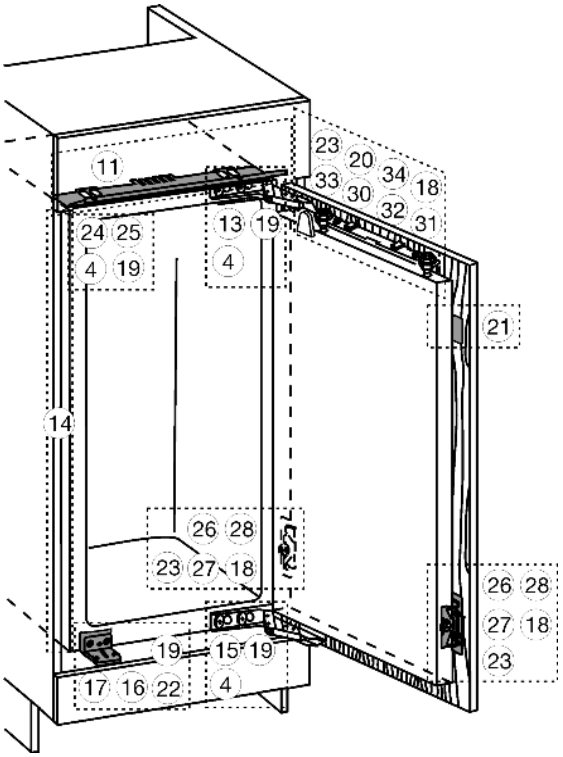


Fig. 11

- Detach the connecting cable from the rear of the appliance, removing the cable holder because otherwise there will be vibratory noise!
- Lay the connecting cable with the help of a string in such a way that the appliance can be easily connected after fitting.

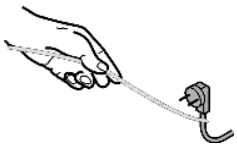


Fig. 12

For appliances with permanently plumbed in IceMaker:

- connect the IceMaker according to the section on water connection.*
- Removecovers *Fig. 11 (4)*.
- Fit the equaliser trim *Fig. 13 (11)* centrally onto the appliance: slide into holding fixture and engage in keyholes.

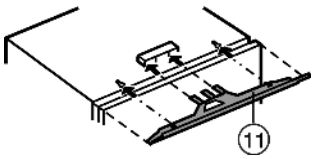


Fig. 13

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

For 16 mm thick unit walls = 568 mm wide recess:

- Clip spacer *Fig. 14 (13)* and spacer *Fig. 11 (15)* onto the hinges.

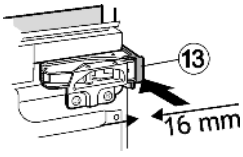


Fig. 14

- Screw plastic bracket *Fig. 15 (16)* onto the handle side of the appliance with M5 screws *Fig. 15 (17)*.

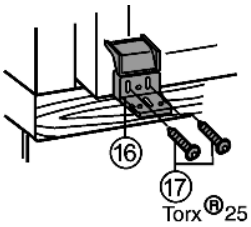


Fig. 15

- Loosely screw *Fig. 16 (25)* the mounting bracket *Fig. 16 (24)* to the appliance through the oblong holes.

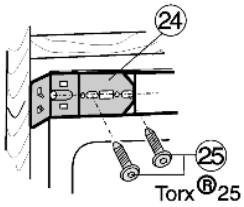


Fig. 16

- Remove the protective film from the cover trim *Fig. 17 (14)*. Apply the strip to the bottom edge of the mounting bracket *Fig. 16 (24)* on the side wall of the appliance on the handle side and flush with the front and glue on.
- If necessary, shorten the cover trim *Fig. 17 (14)* at the bottom.*

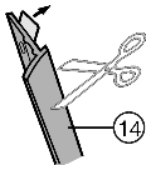


Fig. 17

To slide in and align the appliance:

- Slide in the appliance.

For 16 mm thick unit walls = 568 mm wide recess:

- Let the spacers abut the side wall of the unit.

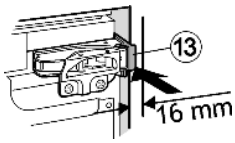


Fig. 18

For 19 mm thick unit walls = 562 mm wide recess:

- Align the front edges of the hinges so as to be flush with the side wall of the unit.

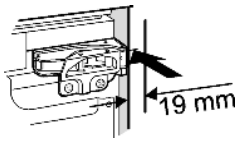


Fig. 19

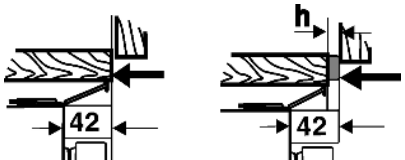


Fig. 20

In case of units with (16 mm and 19 mm) door stop components (knobs, sealing lips etc.):

- To allow for the extra distance (depth of door stop components): allow the hinges to protrude by the extra distance.

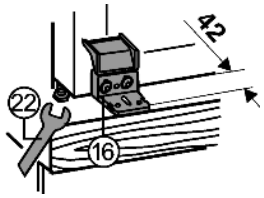


Fig. 21

For units without door stop components:

- Align the plastic bracket in depth so as to be flush with the front side of the side walls of the unit.

For units with door stop components:

- To allow for the extra distance : align the plastic bracket parallel to the front edge of the hinges.

For units with set back base:

- Align plastic bracket *Fig. 21 (16)* in depth so as to be flush with the front edges of the side walls of the unit, even if the bracket projects over the base of the unit as a result.
- Level the appliance by means of the adjustable feet using the accompanying spanner *Fig. 21 (22)*.

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▷ The appliance is now correctly positioned in depth. The distance between the front edge of the side wall of the unit and the body of the appliance is 42 mm all the way round (Allow for door stop components, such as knobs and sealing lips.)

Note
Incorrect installation will lead to malfunction!
If the distance is not kept, the door may not close. This may lead to icing, to condensate forming and to malfunction.

▶ Be sure to keep to a spacing of 42 mm all the way round. (Allow for door stop components, such as knobs and sealing lips.)

Fasten the appliance in the recess with screws:

▶ by screwing long Spax screws *Fig. 22 (19)* through the top and bottom hinge plates.

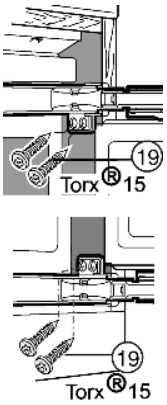


Fig. 22

▶ Screw *Fig. 23 (19)* the mounting bracket *Fig. 23 (24)* onto the wall of the unit.
▶ Push the bracket against the wall of the unit and tighten the screws *Fig. 23 (25)*.
▶ Fold down the bracket.

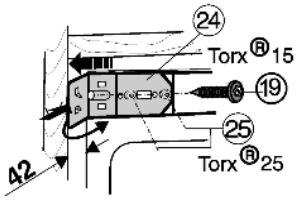


Fig. 23

▶ Pre-assemble by passing a long screw *Fig. 24 (19)* through the centre of the oblong hole in the plastic bracket *Fig. 24 (16)*.
▶ Fold down the cover of the plastic bracket *Fig. 24 (16)*.

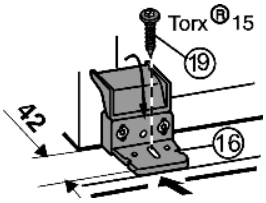


Fig. 24

▶ Close the appliance door.

5.2 Fitting the unit doors

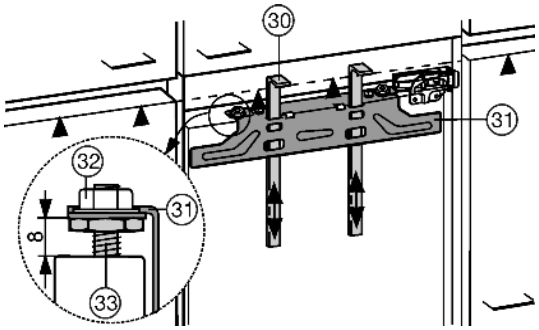


Fig. 25

▶ Check 8 mm presetting. (Distance between appliance door and lower edge of crosspiece)
▶ Push upassembly aids *Fig. 25 (30)* to unit door height. Lower edge ▲of the assembly aid = top edge of the unit door to be fitted.

▶ Unscrew fastening crosspiece *Fig. 26 (31)* by undoing the locknuts *Fig. 25 (32)*.
▶ Attach the fastening crosspiece *Fig. 26 (31)* using the assembly aids *Fig. 26 (30)* to the inside of the unit door.

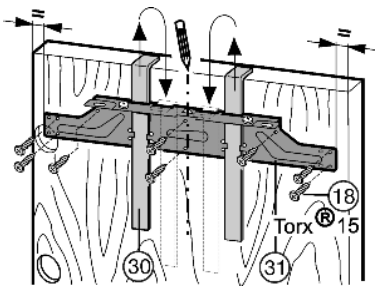


Fig. 26

▶ Centre the fastening crosspiece *Fig. 26 (31)*: mark a short centre line on the unit door and put the tip of the arrow on the crosspiece above it.
▷ Distances to the outer edge are equal at the left and right.
For chipboard doors:
▶ securefastening crosspiece *Fig. 26 (31)* with at least 6 screws.
For frame and panel doors:
▶ securefastening crosspiece *Fig. 26 (31)* with 4 screws at the edge.
▶ Raise the assembly aids *Fig. 26 (30)* for removal, turn them and insert them into the adjacent openings.

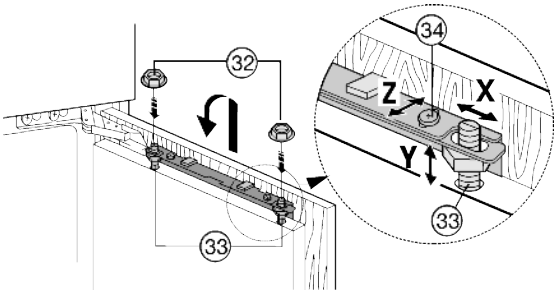


Fig. 27

▶ Attach the unit door to the adjusting bolts *Fig. 27 (33)* and loosely screw the locknuts *Fig. 27 (32)* onto them.
▶ Close the door.
▶ Check the gap between the door and the surrounding unit doors.
▶ To laterally align the unit door: move the unit door in the X direction.
▶ To align the unit door in height Y and in lateral inclination: adjust the adjusting bolt *Fig. 27 (33)* with a screwdriver.
▷ The unit door is flush and in alignment with the surrounding unit fronts.
▶ Tighten the locknuts *Fig. 27 (32)*.
▶ Screw mounting bracket *Fig. 28 (26)* with hexagon screw *Fig. 28 (27)* into the pilot holes in the appliance door.

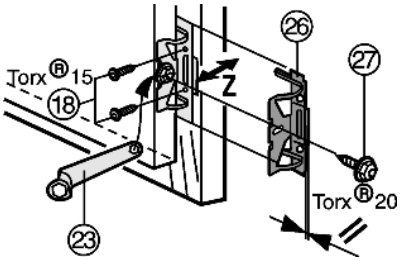


Fig. 28

Ensure that both metal edges are flush (symbol //):
▶ Drill pilot holes in the door of the unit (possibly make preliminary hole with a bradawl).
▶ Screw the appliance door to the unit door with screws *Fig. 28 (18)* passed through the mounting brackets *Fig. 28 (26)*.

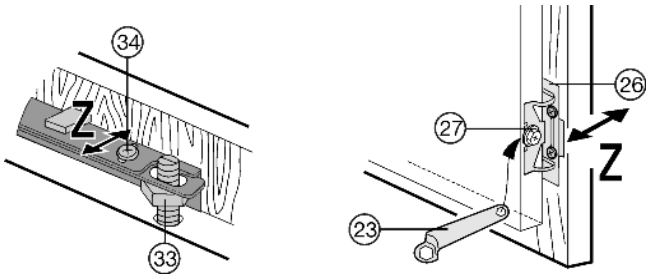
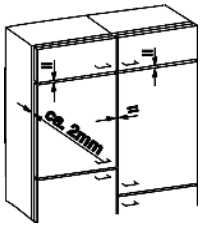


Fig. 29

- To align the unit door in depth Z: undo screws *Fig. 29 (34)* at the top, hexagon screws *Fig. 29 (27)* at the door, then move the door.
- Allow an air gap of approx. 2 mm between the unit door and the body of the unit.



Do not allow knobs and sealing lips to contact the door - important for function!

For large or sectioned unit doors:

- fit a 2nd pair of mounting brackets *Fig. 28 (26)*.*
- Use the holes pre-drilled in the handle area of the appliance door for this purpose.*

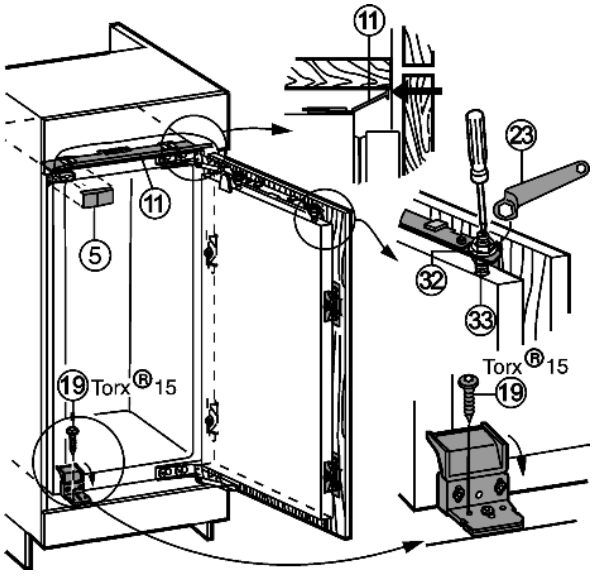


Fig. 30

- Check the fit of the door and readjust if necessary.
- Tighten all screws.
- Tighten the locknuts *Fig. 30 (32)* with the ring spanner *Fig. 30 (23)*, while holding the adjusting bolts *Fig. 30 (33)* with a screwdriver.
- Align theequaliser trim *Fig. 30 (11)* if necessary by moving it parallel to the base of the unit, so that it does not project.
- Fix the appliance in the round hole at the bottom with the second screw *Fig. 30 (19)* through the plastic bracket *Fig. 30 (16)*.
- Snap covers into place.

- Attachtop cover *Fig. 31 (20)* and snap into place.
- Attachside cover *Fig. 31 (21)*, push it to the limit and then press until it audibly snaps into place.
- Attachcovers *Fig. 31 (28)* sideways, then draw them forwards with a screwdriver so that they snap into place well.
- Attachcovers *Fig. 11 (4)* and snap into place.

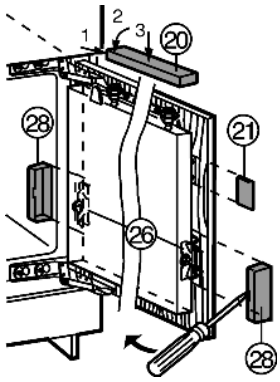
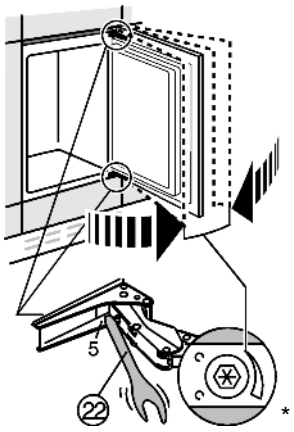


Fig. 31

For **appliances without soft stop mechanism** adjust door stop cushioning:*

The door stop cushioning can be adjusted if necessary using the accompanying Allen key 5:*

- for more spring force: turn clockwise.*
- for less spring force (as-delivered): turn anticlockwise.*



Check the following points to ensure the appliance is fitted properly. Failure to do so may lead to icing, condensate forming and malfunction:

- ▷ The door has to close properly
- ▷ The unit door must not butt against the unit body
- ▷ The seal must have a firm fit at the upper corner on the handle side. To check, darken the room, place a torch inside the appliance at the top and close the door. If light shines through, check the assembly.

6 Connecting the appliance

ATTENTION

Risk of damage to the electronic control system!

- Do not use a stand-alone inverter (DC/AC conversion) or energy-saving plug.

WARNING

Fire and overheating hazard!

- Do not use an extension cable or multiple socket outlet.

The type of current (alternating current) and voltage at the site of installation must conform with the data on the type plate (see section relating to the description of appliance and equipment).

Connect the appliance only with a properly installed socket outlet with earthing contact. The socket outlet must be fused with 10 A or higher.



- Check electrical connection.
- Clean the appliance. For details, see the section on cleaning.
- Plug in the power plug.