

INSTALLATION GUIDE

Integrated Refrigeration



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Features and specifications in this guide and on the website are subject to change at any time without notice. Check our website, subzero.com, for the most up-to-date specifications.

Important Note

To ensure the safe and efficient installation of Sub-Zero equipment, please take note of the following types of highlighted information throughout this guide:

IMPORTANT NOTE highlights information that is especially relevant to a problem-free installation.

CAUTION signals a situation where minor injury or product damage may occur if instructions are not followed.

WARNING states a hazard that may cause serious injury or death if precautions are not followed.



Sub-Zero Integrated Refrigeration

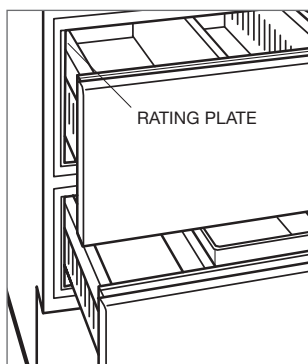
The importance of the installation of the Sub-Zero integrated unit cannot be overemphasized. Installation should be done by a qualified installer.

Before you begin the installation process, it is recommended that you read this entire installation guide. There are key details that you should take special care to observe during the installation. By reading these instructions carefully, you will make the installation process easier, problem-free and, most importantly, safe.

Any questions or problems regarding the installation should be directed to your Sub-Zero dealer or Sub-Zero customer service at 800-222-7820. You may also check the contact & support section of our website, subzero.com.

Important product information, including the model and serial number of your unit are listed on the product rating plate. The rating plate is located inside the cabinet, to the left of the upper drawer. Refer to the illustration below.

IMPORTANT NOTE: Throughout this guide, dimensions in parentheses are millimeters unless otherwise specified.



Location of rating plate.

Before You Start

Make sure that the finished rough opening where the integrated unit is to be installed is properly prepared. Refer to the specifications for your specific model on the following pages. Make sure that the opening dimensions, door and drawer clearances, electrical service and plumbing are correct for the model you are about to install.

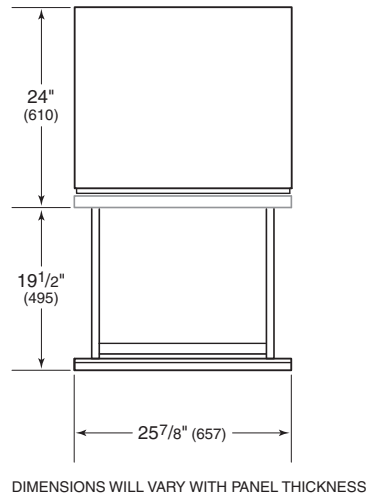
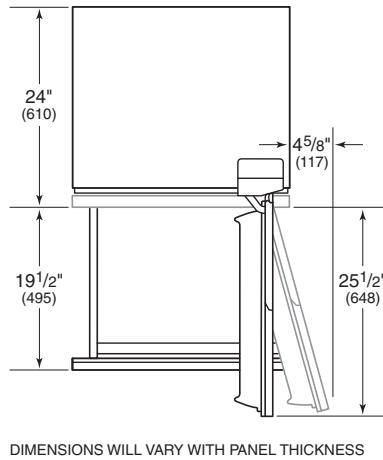
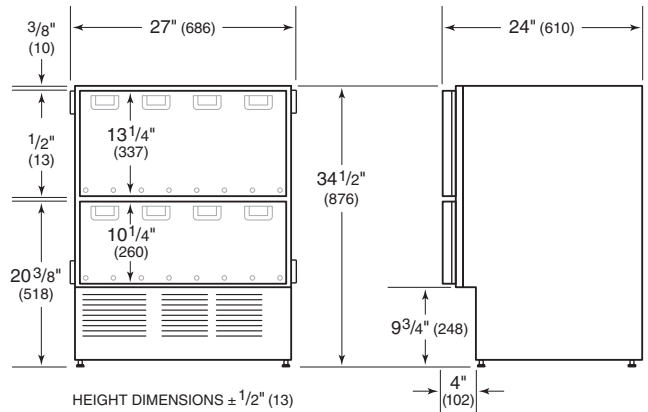
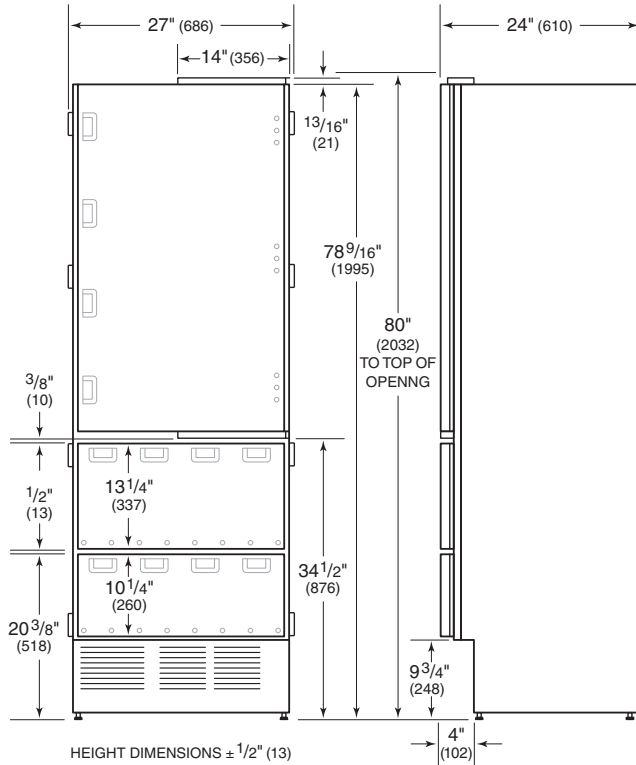
IMPORTANT NOTE: The inside edges of the rough opening, as well as the sides and a portion of the backside of the decorative panels will need to be finished, as they will be exposed when the doors are open.

TOOLS AND MATERIALS REQUIRED

- Appliance dolly able to support 500 lbs (227 kg) and adequate manpower to handle the weight of the unit.
- Phillips and slotted screwdrivers.
- Allen, standard and crescent wrenches.
- Various sized pliers.
- $\frac{5}{16}$ " hex bolt nut driver.
- Cordless drill and assorted drill bits.
- Level—2' (.6 m) and 4' (1.2 m) recommended.
- 4' (1.2 m) of $\frac{1}{4}$ " copper tubing and saddle valve for the water line (4200880)—do not use self-piercing valves.
- Copper tubing cutter.
- Masonite, plywood, $\frac{1}{8}$ " pressed fiberboard, cardboard or other suitable material to protect finished flooring.
- Appropriate materials to cover and protect the home and its furnishings during installation.

Overall Dimensions

27" (686) MODELS

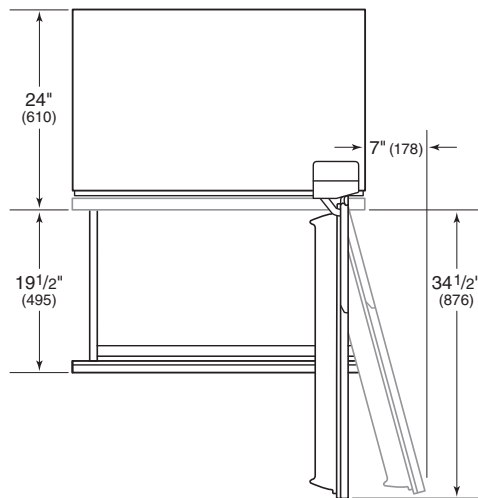
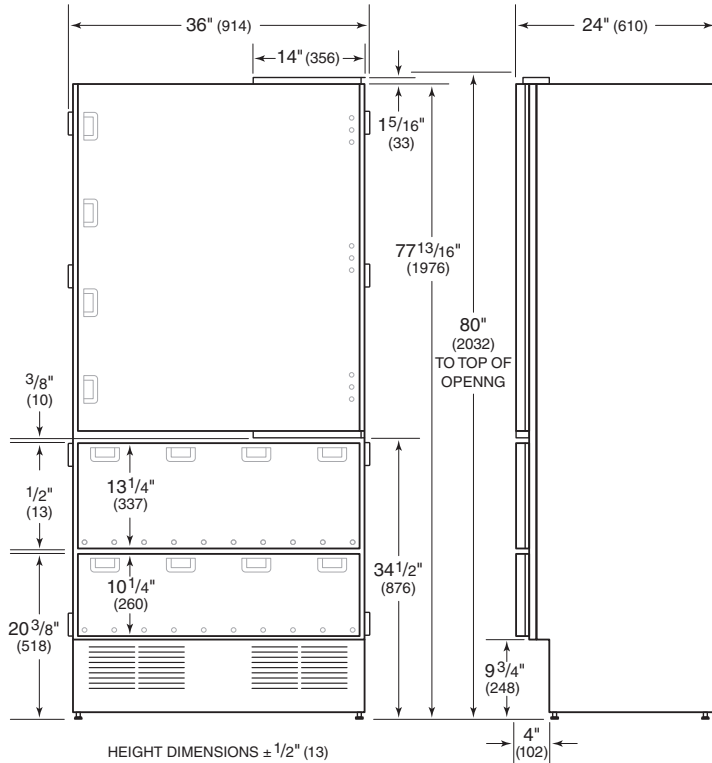


MODELS 700TR, 700TF(I) AND 700TC(I)
TALL UNITS

MODELS 700BR, 700BF(I) AND 700BC(I)
DRAWER UNITS

Overall Dimensions

36" (914) MODELS



DIMENSIONS WILL VARY WITH PANEL THICKNESS

Interior Capacity and Weight

Interior Capacity	R cu ft (L)	F cu ft (L)
27" (686) TALL UNITS		
700TR	15.5 (439)	
700TF(I)		15.3 (433)
700TC(I)	10.2 (289)	5.1 (144)
27" (686) DRAWER UNITS		
700BR	5.3 (150)	
700BF(I)		5.1 (144)
700BC(I)	2.9 (82)	2.1 (59)
36" (914) TALL UNITS		
736TR	20.9 (592)	
736TFI		21.5 (609)
736TCI	13.3 (377)	7.1 (201)

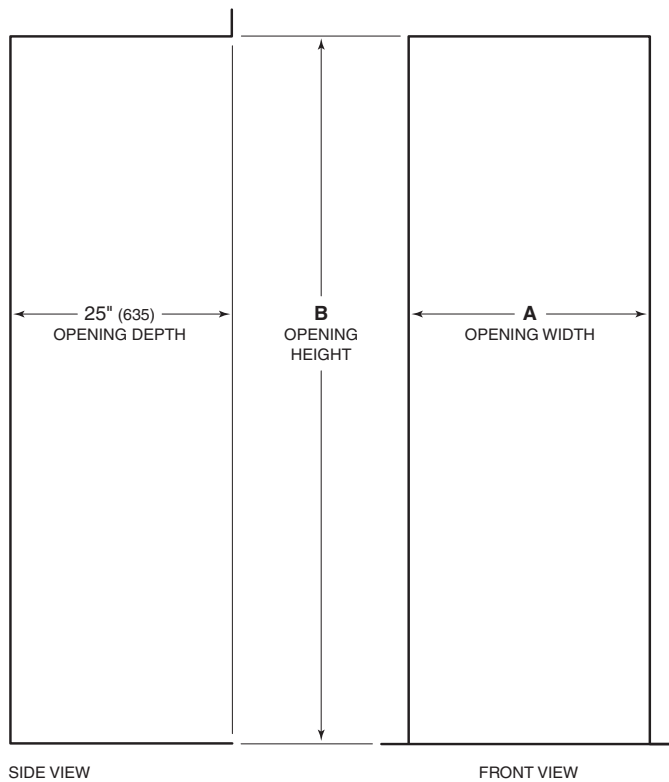
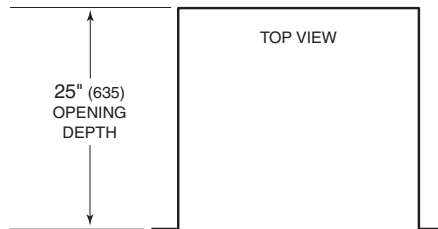
Shipping Weight	lbs (kg)
700TR, 700TF(I) and 700TC(I)	360 (163)
700BR, 700BF(I) and 700BC(I)	190 (86)
736TR, 736TFI and 736TCI	480 (218)

MODELS 736TR, 736TFI AND 736TCI

TALL UNITS

Opening Dimensions

INTEGRATED MODELS



Opening Width	A
700TR, 700TF(I) and 700TC(I)	27" (686)
700BR, 700BF(I) and 700BC(I)	27" (686)
736TR, 736TFI and 736TCI	36" (914)

IMPORTANT NOTE: The depth of each integrated model is 24" (610) from the front of the unit to its back. Your design may necessitate moving the unit back or cabinets forward to achieve a flush fit. This will require a minimum rough opening depth of 25" (635).

Electrical Requirements

The electrical supply should be located within the shaded area shown in the illustrations. Follow the National Electrical Code and local codes and ordinances when installing the receptacle. A separate circuit, servicing only this appliance is required.

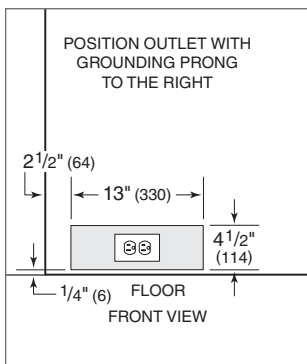
IMPORTANT NOTE: It is critical that the electrical outlet be located within the shaded area shown so it does not interfere with installation of the anti-tip bracket. It must be flush with the back wall and positioned with the grounding prong to the right of the thinner blades.

IMPORTANT NOTE: A ground fault circuit interrupter (GFCI) is not recommended and may cause interruption of operation.

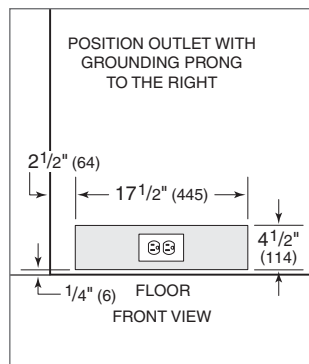
⚠ CAUTION
 The outlet must be checked by a qualified electrician to be sure that it is wired with the correct polarity. Verify that the outlet is properly grounded.

⚠ WARNING
 Do not use an extension cord or two-prong adapter. Do not remove the power supply cord ground prong.

Electrical Requirements	
Power Supply	115 V AC, 60 Hz
Circuit Breaker	15 amp
Receptacle	3-prong grounding-type



27" (686) models.



36" (914) models.

Plumbing Requirements

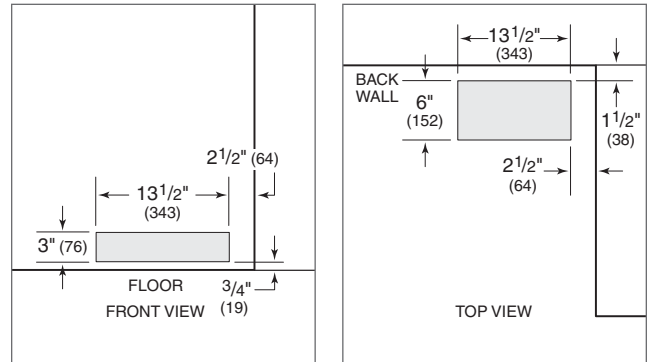
For integrated models with an automatic ice maker, the water supply line should be located through the floor or back wall, within the shaded area shown in the illustrations. Routing the line in these locations will avoid any interference with the anti-tip bracket.

The water supply line should be connected to the house supply with an easily accessible shut-off valve between the supply and the unit. Do not use self-piercing valves. A saddle valve kit (4200880) is available from your Sub-Zero dealer.

An in-line filter is required when water conditions have a high sediment content.

A reverse osmosis system can be used provided there is constant water pressure of 20 psi (1.4 bar) to 100 psi (6.9 bar) supplied to the unit at all times. In some cases, a reverse osmosis water filter system may not be able to maintain the minimum pressure consistently.

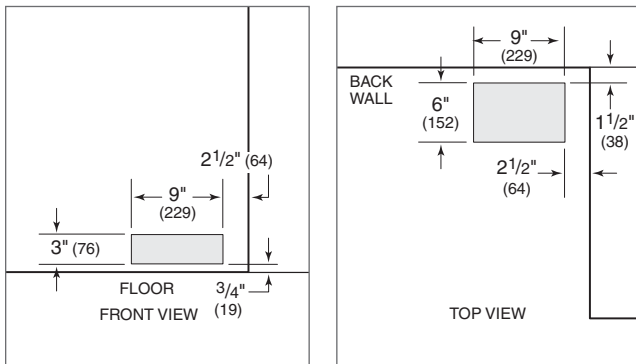
IMPORTANT NOTE: Do not route the water supply line in front of the compressor tray. The tray must be slid forward for service.



36" (914) models.

Plumbing Requirements

Water Supply Line	1/4" OD copper line
Water Pressure	20–100 psi (1.4–6.9 bar)
Excess Water Line for Connection	27" (686)



27" (686) models.

Anti-Tip Bracket Installation

⚠ WARNING

To prevent the unit from tipping forward and provide a stable installation, the unit must be secured in place with the anti-tip brackets shipped with the unit.

An anti-tip bracket and hardware is provided with the integrated unit. Placement of the anti-tip bracket is critical to a stable installation. The anti-tip bracket must be installed on a solid base.

If you are installing the unit in a space deeper than 24" (610), be sure to locate the anti-tip bracket so that it engages the unit properly. It is important that the anti-tip bracket is placed 24" (610) from the front of the unit (without panels) to the back of the anti-tip bracket.

IMPORTANT NOTE: In some installations the subflooring or finished floor may require angling the wood screws used to fasten the anti-tip bracket to the back wall. Refer to the illustrations.

⚠ WARNING

Make sure there are no electrical wires or plumbing in the area which the screws could penetrate.

WOOD FLOOR APPLICATIONS

Use the six #12 x 2 1/2" wood screws and the six 1/4" flat washers provided. Drill pilot holes 3/16" (5) diameter maximum, and be sure that the screws penetrate through the flooring material and into the wall plate a minimum of 3/4" (19). Be sure that the screws hold tight. Refer to the illustration below.

CONCRETE FLOOR APPLICATIONS

Use the two 3/8" x 3 3/4" concrete wedge anchors, two #12 x 2 1/2" wood screws and two 1/4" flat washers provided. Be sure that the anchors and screws hold tight. Refer to the illustration below.

Anti-Tip Bracket Placement

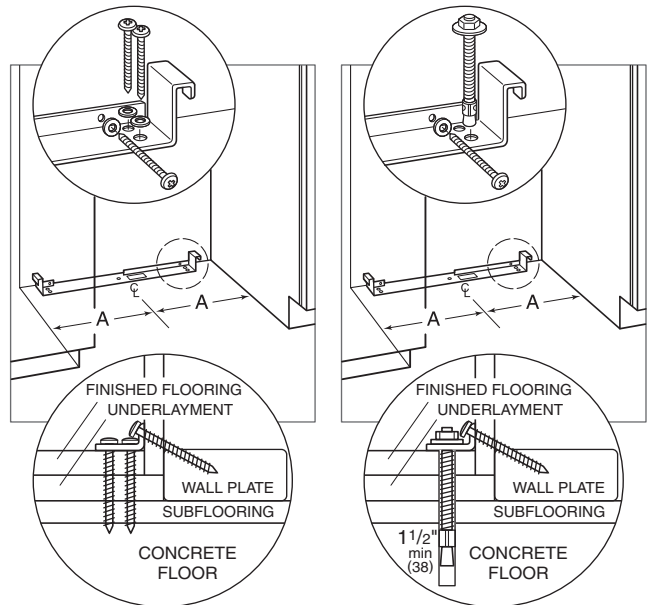
A

27" (686) Models

13 1/2" (343)

36" (914) Models

18" (457)



Wood floors.

Concrete floors.

Anti-Tip Bracket Installation

INSTALL CONCRETE WEDGE ANCHORS:

- 1) Drill a $\frac{3}{8}$ " (10) diameter hole any depth exceeding the minimum embedment. Clean the hole or continue drilling additional depth to accommodate drill fines. Use a carbide drill bit manufactured within ANSI B94.12-77.
- 2) Assemble the washer and nut flush with the end of anchor to protect threads. Drive the anchor through the material to be fastened until the washer is flush with the surface material.
- 3) Expand the anchor by tightening the nut 3–5 turns past hand-tight position or to 25 foot-pounds of torque.

▲ CAUTION

Always wear safety glasses and use other necessary protective devices or apparel when installing or working with anchors.

Anchors are not recommended for use in lightweight masonry material such as block or brick, or for use in new concrete which has not had sufficient time to cure. The use of core drills is not recommended to drill holes for the anchors.

Unpacking and Moving

Uncrate the unit and inspect for any damages. Remove the wood base and discard the shipping bolts that hold the wood base to the bottom of the unit. Remove and discard all packing materials.

Retract the front leveling legs all the way up to allow the unit to be moved into position more easily. You will extend the leveling legs when the unit is in its final position to reduce the possibility of the unit tipping forward.

Use an appliance dolly to move the integrated unit near the installation opening. Position the dolly at the side of the unit to prevent damage to finished surfaces.

Position the Unit

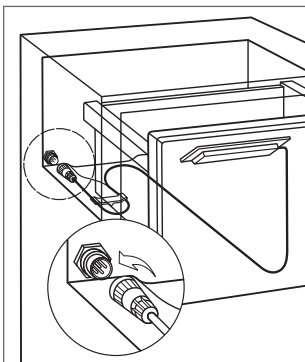
⚠ CAUTION

Before moving the integrated unit into position, protect any finished flooring, secure the door closed and remove the drawers.

IMPORTANT NOTE: For drawer units, the top drawer has a control cable that needs to be disconnected before removing this drawer. Refer to the illustration below for placement and how to disconnect this fitting.

The drawers should be placed aside until you are ready for installation of the panels. Remove the decorative top and side molding pieces and the kickplate/grille.

If two integrated units are installed closer than 2" (51) to one another, it is necessary to use the Sub-Zero dual installation heater kit (7007529). Refer to dual installations on page 18 for additional information. The heater plate from this kit must be attached to the left side exterior of the right-hand unit before the units are slid into position.



Control cable—drawer unit.

IMPORTANT NOTE: If for any reason the integrated unit has been laid on its back or side, you must allow the unit to stand upright for a minimum of 24 hours before connecting power.

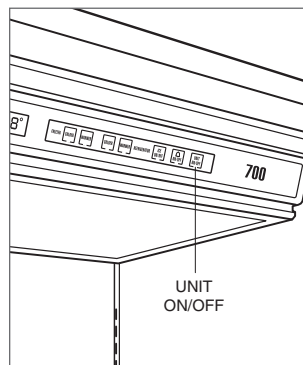
Plug the power cord into the electrical outlet. With power applied to the unit, check for lighting and cooling. Press the UNIT ON/OFF key pad on the control panel. Refer to the illustrations below. Once you are satisfied that the unit is operating properly, shut off power to the electrical outlet at the circuit breaker and proceed.

Pre-level the unit before moving into position. This is to allow the unit to engage the anti-tip bracket properly.

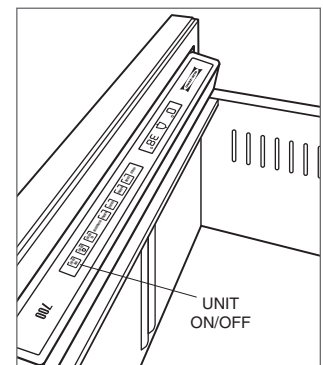
Slide the unit into position, making sure the anti-tip bracket is engaged properly. Extend the front leveling legs down approximately $\frac{3}{16}$ " (5) to make additional adjustments easier.

When the integrated unit is installed, the anti-tip bracket will be positioned just below the engaging bracket on the unit. It is not necessary to raise the unit up so that it locks into the anti-tip bracket, but the unit must be in alignment with the anti-tip bracket.

The floor under the integrated unit must be at the same level as the surrounding finished floor to allow the compressor tray to be slid forward for service.



On/off key pad—tall unit.



On/off key pad—drawer unit.

Level the Unit

Level the integrated unit by turning the front leveling legs clockwise to raise the unit, or counterclockwise to lower it. To assist you in adjusting the front leveling legs up or down, use a standard screwdriver blade and place it in the front leveling leg as shown in the illustration below.

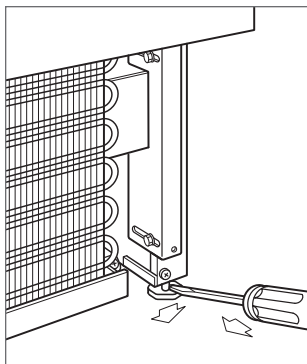
The rear leveling legs are adjusted from the front of the base by turning the Phillips head screw as shown in the illustration below.

IMPORTANT NOTE: The rear leveling legs will only move 1/16" (2) for every 18 revolutions on the Phillips head screw. Do not over torque. Use the lowest torque setting on any power screwdriver. Do not turn the rear leveling legs by hand. Damage will occur if you turn these legs.

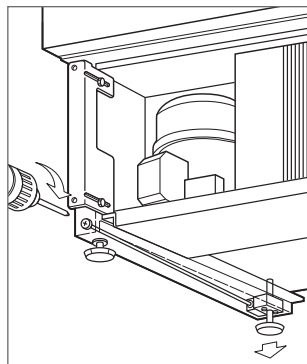
Once the unit is leveled, secure the unit in place by using the side mounting clips and #8 x 1/2" screws provided.

⚠ WARNING

To reduce the possibility of the unit tipping forward, the front leveling legs must be in contact with the floor.



Front leveling legs.



Rear leveling legs.

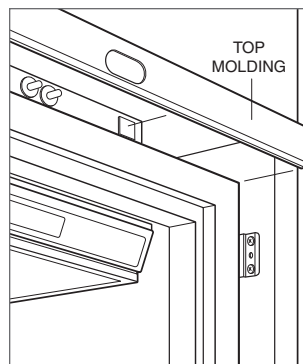
Molding Installation

The decorative white molding strips for the side and top of the unit can be snapped into place. The top molding strip used on integrated tall units, must be installed before the side molding can be attached. The top molding strip is held in place by double-sided velcro fasteners. Refer to the illustration below for positioning of the top molding.

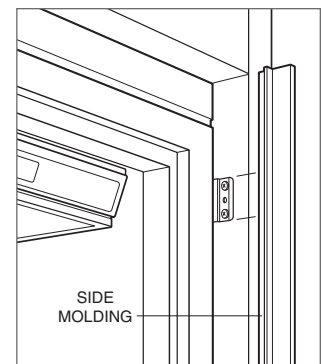
The illustration below shows side molding installation for tall units. Installation of the side molding for base units is the same. For installations where units are side by side, refer to dual installations on page 18.

The molding strips may be painted to match surrounding cabinetry, if desired. Follow these easy steps:

- Rough up the surface to be painted with fine grit sandpaper.
- Wipe with alcohol to ensure that the surface is clean and dry.
- Use an appliance or industrial grade, oil base, high gloss enamel paint.



Top molding.



Side molding.

Water Line Connection

QUICK CONNECT WATER VALVE

For units with an ice maker, the quick connect water valve and PEX tubing are located on the bottom right side of the unit.

To connect the ice maker water line, attach the union fitting to the copper house water supply line. Pull the coiled gray PEX tubing with red cap and captured nut toward the house water supply line. Remove and discard the red cap. Then attach the tubing to the union with the nut. Tighten all connections. Recoil the excess tubing under the unit. Refer to the illustration below.

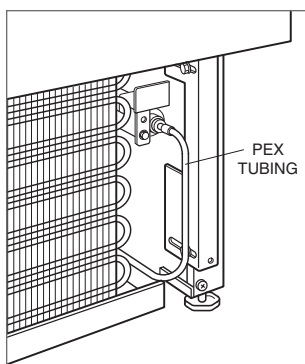
Turn on the water supply and check all fittings for leaks. Make certain the electrical harness is attached to the solenoid.

In areas with water of high mineral content, an in-line water filter is recommended. Make sure the filter is accessible for replacement when necessary.

The ice maker will not fill with water immediately. Allow 24 hours for proper ice production. The first container of ice should be discarded. As with any new connection, there may be impurities in the ice from the water supply line.

⚠ WARNING

Shut power off at the circuit breaker before making electrical connection to the solenoid.



Top anchoring.

Kickplate/Grille Installation

Once the integrated unit is secured, the kickplate/grille can be installed. The mounting bracket may be adjusted slightly forward or back so the kickplate/grille will fit flush with the surrounding area. Refer to the illustration below.

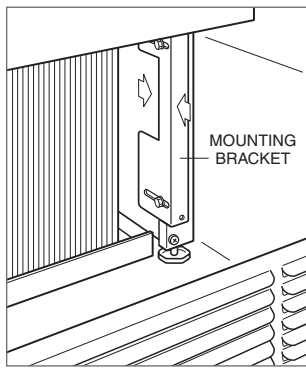
The kickplate/grille must be removable for servicing. The floor cannot interfere with removal.

IMPORTANT NOTE: The unit must be allowed to have ventilation through the fins of the kickplate/grille. You may cover the solid area, but do not block the fins. The lower drawer panel may hang in front of the fins, but the base-board molding must not cover them.

Turn power back on to the electrical outlet.

The kickplate/grille may be painted another color, if desired. Follow these easy steps:

- Rough up the surface to be painted with fine grit sandpaper.
- Wipe with alcohol to ensure that the surface is clean and dry.
- Use an appliance or industrial grade, oil base, high gloss enamel paint.



Kickplate/grille installation.

Panel Installation

The integrated design uses custom wood or other decorative panels and handles provided by the customer.

Stainless steel panels are available as sales accessories through your Sub-Zero dealer. To obtain local dealer information, visit the showroom locator section of our website, subzero.com.

Check panel dimensions before proceeding. Additional panel information can be found in the Sub-Zero design guide. Visit our website, subzero.com. If you have questions, contact your Sub-Zero dealer or cabinet supplier.

IMPORTANT NOTE: A portion of the backside of the decorative panels will need to be finished, as they will be exposed when the doors are open.

D-style handles are recommended. Handles should be located on the opposite side from the hinge, centered on the cabinet door, and on the top center area of the drawer panel. Screw heads may have to be countersunk to ensure that the hardware does not interfere with the panel fitting flush with the door or drawer.

It is recommended that the door panel of the tall unit be installed first and then the upper and lower drawer panels.

Integrated Panel Requirements

MAX WEIGHT PER PANEL

27" (686) Door Panel	40 lbs (18 kg)
27" (686) Drawer Panel	12 lbs (5 kg)
36" (914) Door Panel	53 lbs (24 kg)
36" (914) Drawer Panel	16 lbs (7 kg)

MIN PANEL THICKNESS

All Panels	5/8" (16)
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DOOR PANEL INSTALLATION

Remove the two pieces of mounting hardware attached to the front of the door and set aside. Place the door panel lying face down on a protected surface to ensure that the front is not scratched or damaged.

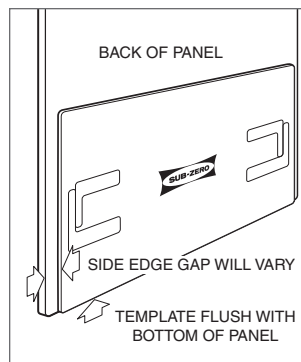
Position the plastic template (provided) flush with the bottom edge of the door panel. Be sure you are following the exact location for the right-hand (RH) or left-hand (LH) door position. Refer to the illustration below.

IMPORTANT NOTE: The template has two sides, one for the door and one for drawers. Make sure you use the proper side and holes. Remember that you are viewing the door panel from the back side in the illustration.

Once you have located the proper position for the bracket, mark the pilot holes, remove the template and drill pilot holes for mounting the bracket. Start with a few holes, position the bracket, drill the remaining holes and secure the mounting bracket with the #8 x 1/2" screws provided.

⚠ CAUTION

Exercise caution when drilling holes for mounting hardware. This is especially critical with inset panels.



Template position—door.

Panel Installation

DOOR PANEL INSTALLATION

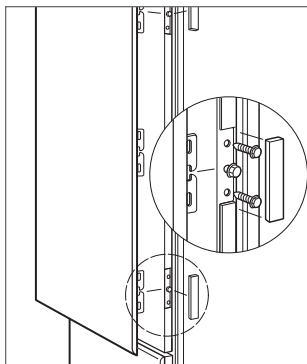
Before attaching the door panel to the door, place two screws in the center of each mounting position, just enough that the slotted holes on the hinge side door panel bracket will slide under the heads. These positioning screws will support the door panel during installation and adjustment. Refer to the illustration below.

Install the door panel by engaging the tabbed bracket to the handle side of the door first and then sliding the hinge side mounting bracket onto the positioning screws on the hinge side of the door. The panel can be adjusted $\frac{1}{4}$ " (6) up and down and side to side.

Once the door panel is in place and adjusted correctly, attach the six remaining #10 x $\frac{1}{2}$ " screws to the hinge side mounting bracket and install the magnetic decorative caps as shown in the illustration below.

⚠ CAUTION

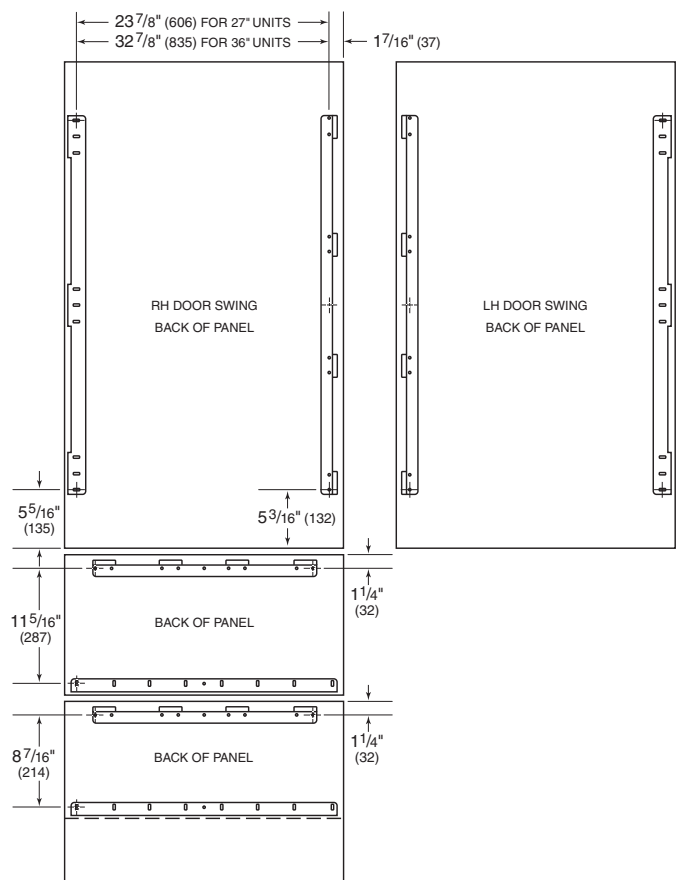
As the reveal between cabinets and the unit decreases, the potential exists for severe finger pinching if fingers are placed in the opening when the door is closing.



Door panel installation.

PANEL BRACKET POSITIONING

The illustration below shows mounting hardware location for door and drawer panels. Dimensions are based on a $\frac{1}{8}$ " (3) reveal. A reveal of up to $\frac{1}{4}$ " (6) is possible, but panel dimensions need to be adjusted accordingly.



Panel bracket positioning.

Panel Installation

DRAWER PANEL INSTALLATION

Remove the mounting hardware provided and set aside. As with the door panel, you should work on the back side of each drawer panel to protect the front surface.

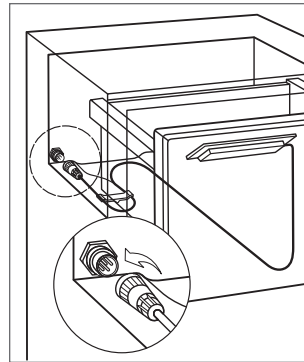
Position the top edge of the template (provided) flush with the top edge of each drawer. For the top drawer, there is only one location for the lower mounting bracket. The bottom drawer allows a second option by inverting the lower mounting bracket, depending on the height and thickness of the panel. Refer to the illustration below.

Secure the template in place and mark the pilot holes. Remove the template and drill pilot holes for mounting the bracket. Place the mounting brackets in the proper location with the tabbed bracket on top and 'L' bracket on the bottom of the panel. Fasten brackets securely with the #8 x 1/2" screws provided. Refer to the illustration below.

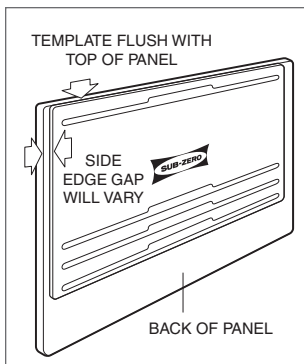
To help with the placement of the drawer panels, examine the lower 'L' bracket and panel to determine the slotted holes on the bracket that will be used. Then position screws into the lower portion of the drawer that correspond with these slots. Leave the screws out slightly so the slotted holes will slide under the heads.

With the two mounting brackets in place, install the drawer panel by engaging the top tabbed bracket first, then slide the lower 'L' bracket onto the positioning screws. Each drawer panel can be adjusted 1/4" (6) up and down and side to side. Fasten all screws to the lower 'L' bracket to secure the drawer panel.

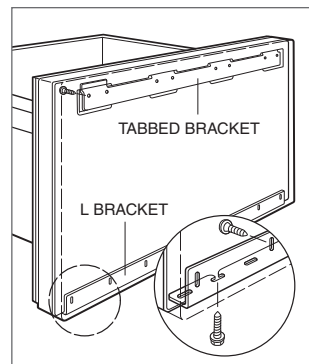
Drawers can be placed back in the unit. Reconnect the control cable for the top drawer (drawer units only). Refer to the illustration below.



Control cable—drawer unit.



Template position—drawer.



Drawer panel installation.

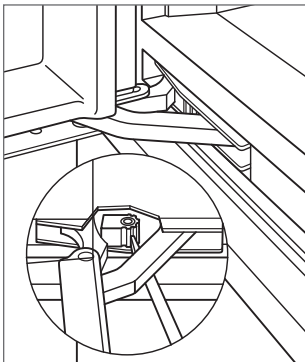
Dual Installations

When two integrated units are installed closer than 2" (51) to one another, it is necessary to use the Sub-Zero dual installation heater kit (7007529 or 7007530). The heater plate from this kit must be attached to the left side exterior of the right-hand unit before the units are slid into position.

Contact your Sub-Zero dealer for the proper components and installation instructions. To obtain local dealer information, visit the showroom locator section of our website, subzero.com. For questions relative to the installation, call Sub-Zero at 800-222-7820.

90° Door Stop

All integrated tall units have a 90° door stop built into the hinge system. Use the blade edge of a standard screwdriver and rotate the cam in the center portion of the hinge until you reach the stop. You must make this adjustment to both the bottom and top hinge. Refer to the illustration below.



90° door stop.

Installation Checklist

To ensure a safe and proper installation, the following checklist should be completed by the installer to ensure that no part of the installation has been overlooked.

INSTALLATION CHECKLIST

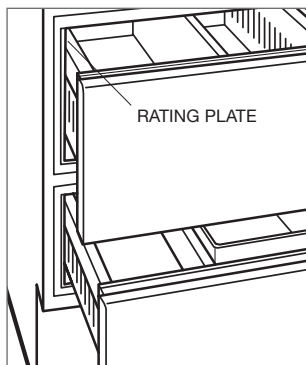
- Has the anti-tip bracket been installed properly and is it making contact with the unit?
- Is the unit level? Are all leveling legs making contact with the floor?
- Is the power cord plugged into a properly grounded 3-prong outlet, which has been installed in accordance with all applicable electrical codes?
- Is the water supply connected for units with an automatic ice maker? Have you checked for leaks?
- Has the kickplate/grille been installed properly?
- Are panels attached securely and properly aligned?
- Has the door been aligned for proper appearance and operation?
- Does the customer understand the unit's operation? Have you given the customer the warranty package?
- Have any installation or service problems been noted on the product registration card? Has the registration card been mailed in?
- Have stainless steel panels been inspected for any imperfections? This is to be done by the dealer or installer with the customer upon completion of the installation. Classic, platinum and carbon stainless steel panels are covered by a limited 60-day parts and labor warranty for cosmetic defects.

Service Information

If service is necessary, maintain the quality built into your Sub-Zero unit by calling a Sub-Zero authorized service center.

To obtain the name and number of a Sub-Zero authorized service center, check the contact & support section of our website, subzero.com or call Sub-Zero customer service at 800-222-7820.

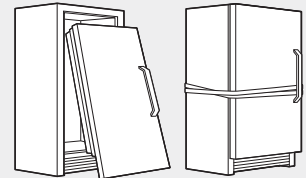
When calling for service, you will need the model and serial number of your unit. Both numbers are listed on the product rating plate, located inside the cabinet, to the left of the upper drawer. Refer to the illustration below.



Location of rating plate.

⚠ WARNING

If you are storing or disposing of your old refrigerator or freezer, please do it safely. Remove the doors or tightly secure the doors closed. Child entrapment accidents can be tragic.





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