Prior to Installation

Ownership

To ensure that your unit works properly from the first day, it must be installed properly. We highly recommend a trained refrigeration mechanic and electrician install your TRUE equipment. The cost of a professional installation is money well spent.

Before you start to install your TRUE unit, carefully inspect it for freight damage. If damage is discovered, immediately file a claim with the delivery freight carrier.

TRUE is not responsible for damage incurred during shipment.

Cabinet Specification

This appliance is rated for the storage and/or display of prepackaged or bottled food product.

Cabinet Location

- Appliance tested for IEC to ISO Climate Class 5 [104°F (40°C) temperature, 40% relative humidity].
- For proper operation, ambient temperatures shall not be less than 60°F (15.5°C) and no greater than 104°F (40°C).
- Appliance is not suitable for outdoor use.
- Appliance is not suitable for an area where a pressure washer or hose may be used.
- Ensure the location will provide adequate clearances and sufficient airflow for the cabinet.
- Ensure the power supply for the cabinet matches the cabinet specification sheet or cabinet data plate and is within the rated voltage (+/-5%). Also, that the amp rating of the circuit is correct and that it is properly grounded.
- The cabinet should always be plugged into its own individual dedicated electrical circuit. The use of adapter plugs and extension cords is prohibited.

Notice to Customer

Loss or spoilage of products in your refrigerator/freezer is **not covered by warranty**. In addition to following recommended installation procedures, you must run the refrigerator/freezer for 24 hours prior to usage to verify its proper operation.

CLEARANCES			
	TOP	SIDES	BACK
TRCB	1" Open (25.4mm)	1" (25.4 mm)	1" (25.4 mm)
WARNING – Warranty is void if ventilation is insufficient.			

Cooking Equipment Weight Limits

Chef Base cabinet tops are designed to support countertop cooking equipment. See cooking equipment weight limits in the table below.

- Install countertop cooking equipment with their manufacturer-supplied legs.
- Minimum 4" (101.6 mm) clearance between TRCB's top and the bottoms of cooking equipment heating elements. Failure to provide clearance voids manufacturer warranty.
- For optimum performance, TRUE recommends installing a heat shield (not supplied by TRUE).

Cooking Equipment Weight Limits	
MODEL	MAXIMUM WEIGHT
TRCB-36/48/52/52-60	717 lb (326 kg)
TRCB-72/79/79-86/82/82-84/82-86	1084 lb (492 kg)
TRCB-96	1434 lb (651 kg)
TRCB-110	2000 lb (908 kg)

Wire Gauge Chart

115 Volts	Distance In Feet To Center of Load											
AMPS	20'	30'	40'	50'	60'	70'	80'	90'	100'	120'	140'	160'
2	14	14	14	14	14	14	14	14	14	14	14	14
3	14	14	14	14	14	14	14	14	14	14	14	12
4	14	14	14	14	14	14	14	14	14	12	12	12
5	14	14	14	14	14	14	14	12	12	12	10	10
6	14	14	14	14	14	14	12	12	12	10	10	10
7	14	14	14	14	14	12	12	12	10	10	10	8
8	14	14	14	14	12	12	12	10	10	10	8	8
9	14	14	14	12	12	12	10	10	10	8	8	8
10	14	14	14	12	12	10	10	10	10	8	8	8
12	14	14	12	12	10	10	10	8	8	8	8	6
14	14	14	12	10	10	10	8	8	8	6	6	6
16	14	12	12	10	10	8	8	8	8	6	6	6
18	14	12	10	10	8	8	8	8	8	8	8	5
20	14	12	10	10	8	8	8	6	6	6	5	5
25	12	10	10	8	8	6	6	6	6	5	4	4
30	12	10	8	8	6	6	6	6	5	4	4	3
35	10	10	8	6	6	6	5	5	4	4	3	2
40	10	8	8	6	6	5	5	4	4	3	2	2
45	10	8	6	6	6	5	4	4	3	3	2	1
50	10	8	6	6	5	4	4	3	3	2	1	1

230 Volts	Distance In Feet To Center of Load											
AMPS	20'	30'	40'	50'	60'	70'	80'	90'	100'	120'	140'	160'
5	14	14	14	14	14	14	14	14	14	14	14	14
6	14	14	14	14	14	14	14	14	14	14	14	12
7	14	14	14	14	14	14	14	14	14	14	12	12
8	14	14	14	14	14	14	14	14	14	12	12	12
9	14	14	14	14	14	14	14	14	12	12	12	10
10	14	14	14	14	14	14	14	12	12	12	10	10
12	14	14	14	14	14	14	12	12	12	10	10	10
14	14	14	14	14	14	12	12	12	10	10	10	8
16	14	14	14	14	12	12	12	10	10	10	8	8
18	14	14	14	12	12	12	10	10	10	8	8	8
20	14	14	14	12	10	10	10	10	10	8	8	8
25	14	14	12	12	10	10	10	10	8	8	6	6
30	14	12	12	10	10	10	8	8	8	6	6	6
35	14	12	10	10	10	8	8	8	8	6	6	5
40	14	12	10	10	8	8	8	6	6	6	5	5
50	12	10	10	8	6	6	6	6	6	5	4	4
60	12	10	8	6	6	6	6	6	5	4	4	3
70	10	10	8	6	6	6	5	5	4	4	2	2
80	10	8	8	6	6	5	5	4	4	3	2	2
90	10	8	6	6	5	5	4	4	3	3	1	1
100	10	8	6	6	5	4	4	3	3	2	1	1

Installation

Uncrating

Required Tools

Required tools include (but may not be limited to) the following:

- 9/16 Socket Wrench
- Phillips screwdriver
- Level

Procedure

1. Remove the outer packaging (cardboard and bubble wrap or Styrofoam corner and clear plastic). See fig. 1.
2. Inspect the unit for concealed damage.
3. Remove the wooden skid. Set the skid aside.

   NOTE: Move the unit as close as possible to the final location before removing the wooden skid.

   a. Position packing material behind the appliance to protect the appliance.

   b. Carefully lay the unit on its back

   c. With an adjustable wrench, remove all shipping bolts securing the wood skid to the bottom of the appliance. See fig. 2.
4. If leveling legs or castors **will not be used**, carefully lift the appliance upright and position the unit in its final installation location.

   If leveling legs or castors will be used, proceed to leveling leg or castor installation instructions.

   NOTE: DO NOT lift the unit by the countertops, doors, drawers, or grills.

   NOTE: Be sure to leave the unit upright twice the time it was laying down (up to 4 hours) before restoring power. If this time exceeds 4 hours, let the unit stand upright for 24 hours before powering the unit.

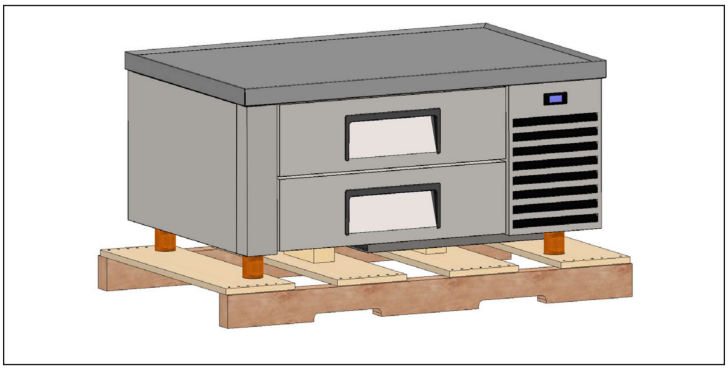


Fig. 1. Remove the exterior packaging.

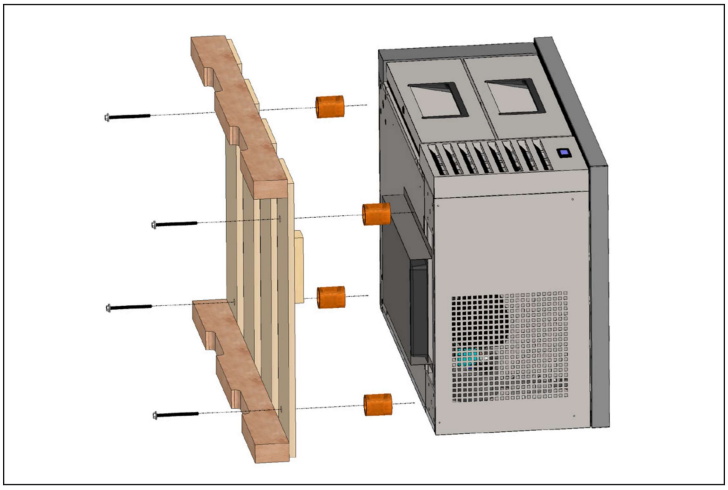


Fig. 2. Remove the shipping bolts.

NOTE: Keys for cabinet with door locks are located in the warranty packet.

WARNING – Units may pose a tipping hazard while uncrating, during installation, or when moving the unit.

Installation (cont.)

Cabinet Location

1. Ensure that the drain hose or hoses are positioned in the pan.
2. Free the plug and cord from inside the lower rear of the cooler (DO NOT plug in).
3. Place the unit close enough to the electrical supply so that the extension cords are never used.

6" Leveling Leg & Castor Installation

Leveling legs are provided to assist with leveling the cabinet. Adjustable legs will provide 6" (152 mm) of clearance under the cabinet. Castors provide cabinet mobility.

NOTE: If the cabinet has a center leveling screw, castor, or leg, make sure it is adjusted properly so it makes full contact with the floor after the cabinet has been leveled.

Required Tools

Required tools include (but may not be limited to) the following:

- 9/16 Socket Wrench

6" Leveling Leg Installation

1. Access the unit's bottom.
2. Locate the mounting plate anchor points on the unit's bottom.
3. Install the mounting plate. See fig. 1.
4. Thread the leveling legs into the mounting plate. See fig. 1.
5. Verify the unit is level.
6. If the unit is not level, gently lift and support the low end of the unit. With an adjustable wrench, adjust the bottom stem of the leveling leg as needed to level the unit. See fig. 2.

   NOTE: DO NOT lift the unit by the countertops, doors, drawers, or grills.

   NOTE: Be sure to leave the unit upright twice the time it was laying down (up to 4 hours) before restoring power. If this time exceeds 4 hours, let the unit stand upright for 24 hours before powering the unit.

Castor Installation

1. Locate the castor anchor points on the underside of the cabinet.
2. With an adjustable wrench and the provided hardware, install the castors.

   NOTE: DO NOT overtighten the bolts.

3. Verify the level of the cabinet. If the cabinet is not level, with a 6" (152.4 mm) block, prop up the low end of the unit. Then, add castor shims.

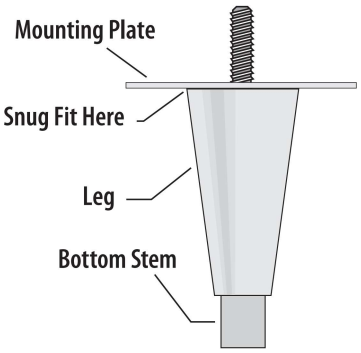
   NOTE: DO NOT push the block more than 5" (127 mm) under the unit.

   NOTE: Install shims in pairs and ensure the shims contact the castor mounting bolts.

   a. Loosen the castor bolts to create space between the mounting plate and the bottom of the cabinet. See fig. 4a.

   b. Position the castor shims and tighten the castor bolts. See figs. 4b and 4c.

   c. Lower the cabinet and verify it is level. Repeat the process until the cabinet is level.



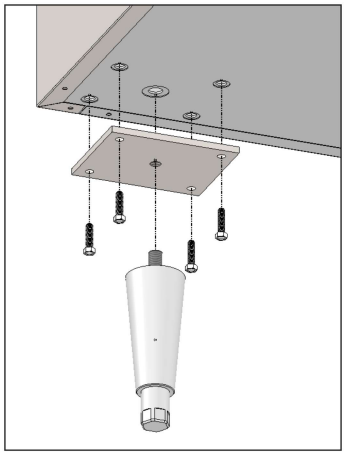


Fig. 1. Install the mounting plate and leveling leg.

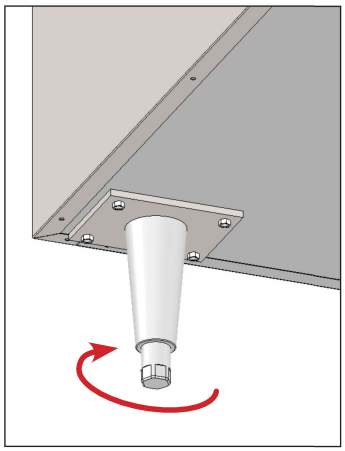


Fig. 2. Turn the bottom stem to level the cabinet.

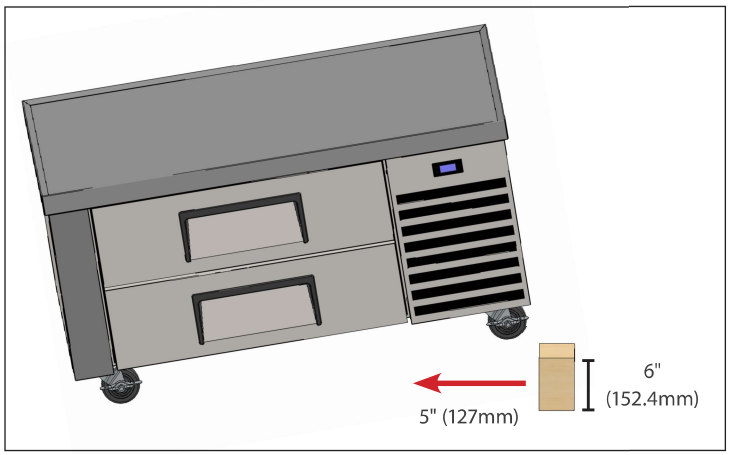


Fig. 3. DO NOT push the block more than 5" (127 mm) under the unit.

Installation (cont.)

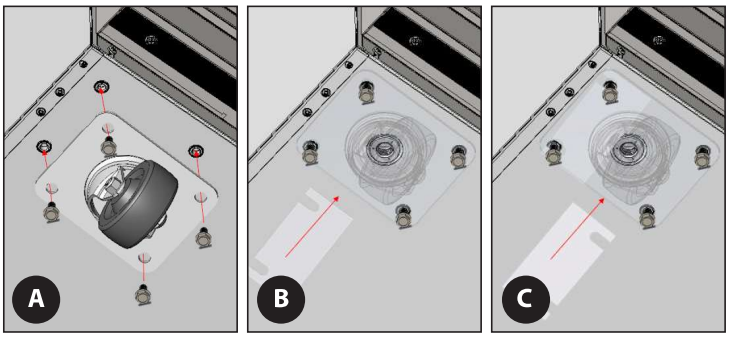
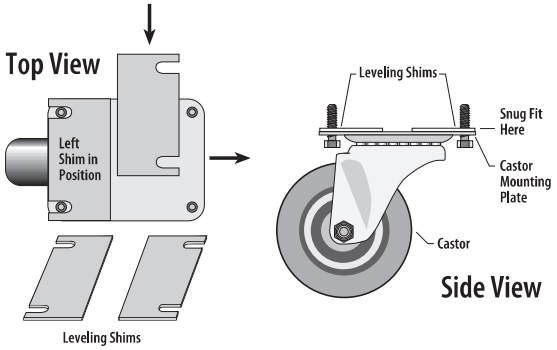


Fig. 4. Install castor shims in pairs.



Leveling

Proper leveling of your TRUE cooler is critical to operating success (for non-mobile models). Leveling impacts effective condensate removal and door operation.

Procedure

Level the unit front-to-back and side-to-side.

1. Position the level on the inside floor of the unit near the doors (the level should be parallel to cabinet front). Level the cabinet.
2. Position the level at the inside rear of cabinet (again, the level should be placed parallel to cabinet back). Level the cabinet.
3. Perform procedures similar to steps 1 and 2 by placing the level on inside floor (left and right side, parallel to the depth of the cooler). Level the cabinet.

NOTE: If the cabinet has a center leveling screw, castor, or leg, make sure it is adjusted properly so it makes full contact with the floor after the cabinet has been leveled.

Sealing the Cabinet to the Floor

Asphalt floors are susceptible to chemical attack. A layer of tape may be placed on the floor prior to applying the sealant to protect the floor.

Procedure

1. Position the cabinet, allowing 3" (73 mm) between the wall and the rear of the cabinet to ensure proper ventilation.
2. Level the cabinet. The cabinet should be level side-to-side and front-to-back. To check that the cabinet is level, place a carpenter's level on the interior cabinet floor in four places:
   - **a.** Position the level on the inside floor of the cabinet, near the doors (the level should be placed parallel to the cabinet front). Level the cabinet.
   - **b.** Position the level at the inside rear of the cabinet (the level should be placed parallel to the cabinet back). Level the cabinet.
   - **c.** Perform procedures similar to a and b by placing the level on the left and right inside floor (level should be parallel to the cabinet sides). Level the cabinet.
3. Draw an outline of the cooler base on the floor.
4. Raise and block the front side of the cabinet.
5. Apply a bead of NSF-approved sealant (see list below) to the floor, 1/2" (13 mm) inside the front part of the outline drawn in step 4. The bead of sealant must be heavy enough to seal the entire cabinet surface when the cabinet is lowered on top of the sealant.
6. Raise and block the rear of the cabinet.
7. Apply sealant to the floor on the other three sides, as outlined in step 5.
8. Examine the the cabinet to ensure that it is sealed to the floor around the entire perimeter.

NSF-Approved Sealants

- 3M #ECU800 Caulk
- 3M #ECU2185 Caulk
- 3M #ECU1055 Bead
- 3M #ECU1202 Bead
- Armstrong Cork – Rubber Caulk
- Products Research Co. #5000 Rubber Caulk
- G.E. Silicone Sealer
- Dow Corning Silicone Sealer

Installation (cont.)

Electrical Installation & Safety

Use of Adapter Plugs

NEVER USE AN ADAPTER PLUG! An adapter plug alters the original OEM plug configuration when connecting it to a power source.

TRUE will not warranty any refrigerator/freezer that has been connected to an adapter plug.

Use of Extension Cords

NEVER USE AN EXTENSION CORD! An extension cord is determined to be any component that adds length to the original OEM power cord when connecting it to a power source.

TRUE will not warranty any refrigerator/freezer that has been connected to an extension cord.

NEMA Plug Configurations

60 HZ USE ONLY!

TRUE uses these types of NEMA plugs shown. If you **DO NOT** have the proper outlet, have a licensed electrician verify and install the correct power source.

International (IEC) Plugs Only

International cabinets may be supplied with a power cord that will require installation. Install this cord before connecting the unit to a power source.

NOTE: International plug configurations will vary by country and voltage

Installation

Fully seat the power cord into the cabinet receptacle until it locks in position. See fig. 1.

Removal

Depress the red button. See fig. 2.

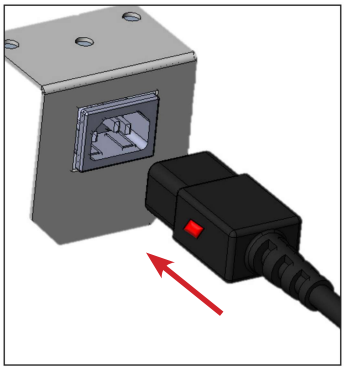


Fig. 1. Fully insert the power cord into the receptacle.

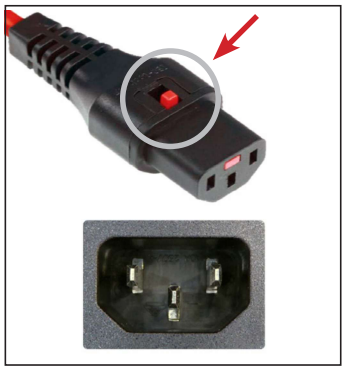


Fig. 2. Push the red button to remove the plug.

How to Connect Electricity

- The power cord from this appliance is equipped with a grounding plug which minimizes the possibility of electric shock hazard.
- The wall outlet and circuit should be checked by a licensed electrician to make sure the outlet is properly grounded.
- If the outlet is a standard 2-prong outlet, it is your personal responsibility and obligation to have it replaced with the properly grounded wall outlet.
- **DO NOT**, under any circumstances, cut or remove the ground prong from the power cord. For personal safety, this appliance must be properly grounded.
- Before your new unit is connected to a power supply, check the incoming voltage with a voltmeter. If the recorded voltage is less than the rated voltage for operation (+/-5%) and amp rating, correct immediately. Refer to cabinet data plate for this voltage requirement.
- The refrigerator/freezer should always be plugged into a dedicated electrical circuit. This provides the best performance and prevents building wiring circuits from being overloaded, which could cause a fire hazard from overheated wires.
- Never unplug your refrigerator/freezer by pulling on the power cord. Always grip plug firmly and pull straight out from the outlet.
- When moving the refrigerator/freezer, for any reason, be careful not to roll over or damage the power cord.
- Repair or replace immediately all power cords that have become frayed or otherwise damaged. **DO NOT** use a power cord that shows cracks or abrasion damage along its length or at either end.
- If the supply power cord is damaged, it should be replaced with original equipment manufacturer (OEM) components. To avoid hazard this should be done by a licensed service provider.

Cabinet Wiring Diagram

The cabinet's wiring diagram is in the exterior servicing compartment space of the cabinet.

A copy of the wiring diagram may also be obtained at **www. truemfg.com/support/serial-number-lookup**