

The background of the entire page is a close-up photograph of a black gas cooktop. Several burners are visible, with bright blue flames rising from them. The lighting is dramatic, with the flames providing a primary light source, creating a high-contrast scene. The cooktop's grates and burner caps are visible in the foreground and background.

THOR
K I T C H E N[®]

INSTALLATION INSTRUCTIONS

**30 INCH A SERIES
PROFESSIONAL ELECTRIC
DOUBLE/SINGLE WALL OVEN
AEW30ED | AEW30ES**

INSTALLATION INSTRUCTIONS MANUAL

30 INCH A SERIES PROFESSIONAL ELECTRIC DOUBLE/SINGLE WALL OVEN

AEW30ED/AEW30ES

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IMPORTANT INSTRUCTION

1.1 Safety Messages

Your safety and the safety of others are very important.

- We have provided many important safety messages in this manual and on your appliance. Always read and follow all safety messages.

 This is the safety alert symbol. This symbol alerts you to potential hazards that can kill or injure you and others. All safety messages will follow the safety alert symbol and either the word WARNING or CAUTION.

These words mean:

WARNING

You may be killed or seriously injured if you do not follow instructions.

CAUTION

You may be injured or cause damage to the product if you do not follow instructions.

All safety messages will tell you what the potential hazard is, tell you how to reduce the chance of injury, and tell you what may happen if the instructions are not followed.

WARNING

-
- To reduce the risk of explosion, fire, death, electric shock, injury or scalding to persons when using this product, follow basic precautions, including the following:
-

Installation

- Never allow anyone to climb, sit, stand or hang on the oven door. Injury might result from contact with hot food or the oven itself.
- Do not line the oven walls, racks, bottom, or any other part of the oven with aluminum foil or any other material. Doing so will disrupt heat distribution, produce poor baking results and cause permanent damage to the oven interior. (Aluminum foil will melt on the interior surface of the oven.)
- Do not use aluminum foil or any other material to line the oven bottom. Improper installation of oven liners may result in a risk of electric shock or fire.
- Make sure your appliance is properly installed and grounded by a qualified installer, according to the installation instructions. Any adjustment and service should be performed only by qualified installers or service technicians.
- Be certain that all packing materials are removed from the appliance before operating. Keep plastic, clothes, paper, and other flammable materials away from parts of the appliance that may become hot.

IMPORTANT INSTRUCTION

- The electrical power must be shut off while the electrical connections are being made.
- Improper connection of aluminum house wiring to copper leads can result in an electrical hazard or fire. Use only connectors designed for joining copper to aluminum and follow the manufacturer's recommended procedure closely.
- Important – Save for the local electrical inspector's use.

1.2 Signal words explanation

The following signal words are used in this manual

 DANGER	This signal word indicates a hazardous situation which, if not avoided, will result in death or serious injury.
 WARNING	This signal word indicates a hazardous situation which, if not avoided, could result in death or serious injury.
 CAUTION	This signal word indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.
 CAUTION	This signal word indicates a hazardous situation which, if not avoided, could result in property damage.
 NOTICE	This signal word is a preferred signal word to address tips and practices not related to personal injury.

1.3 Intended use

- This appliance is intended for cooking and preparing food.
- This appliance is intended for household use only.
- This appliance is intended to be used in dry indoor areas only.
- Only use the appliance as mentioned in this manual. Any other use is considered improper and may result in damage to property or injury to persons.
- Potential injury from improper use.
- The manufacturer or vendor cannot be held liable for damages or injury incurred through improper or incorrect use.

1.4 IMPORTANT INSTRUCTION

For all models

This installation instruction is part of this appliance, and contains important information on setup and use. Read this manual carefully, especially the IMPORTANT INSTRUCTION chapter, before using the appliance. Failure to do so may result in personal injury and/or damage to the appliance.

IMPORTANT INSTRUCTION

- Keep this manual for future use and reference. Make sure to include this manual when passing the appliance on to third parties. If you require a digital copy of this manual, please contact customer service.
- It is recommended to electrically ground the appliance during installation in accordance with local codes. If local codes are not available, follow NFPA 70 or CSA C22.1 standards in Canada.
- In the event of a power failure, do not attempt to use the appliance. If the power fails, always turn the oven off. If the oven is not turned off and the power returns, the oven may begin to operate again. Food left unattended could catch fire or spoil.
- Seal any openings in the wall behind the appliance and in the floor under the appliance.
- Proper Installation - Be sure your appliance is properly installed and grounded by a qualified technician.
- Never Use Your Appliance for Warming or Heating the Room.
- Do Not Leave Children Alone - Children should not be left alone or unattended in area where appliance is in use. They should never be allowed to sit or stand on any part of the appliance.
- Wear Proper Apparel - Loose-fitting or hanging garments should never be worn while using the appliance.
- User Servicing - Do not repair or replace any part of the appliance unless specifically recommended in the manual. All other servicing should be referred to a qualified technician.
- Storage in or on Appliance - Flammable materials should not be stored in an oven or near surface units.
- Do Not Use Water on Grease Fires - Smother fire or flame or use dry chemical or foam-type extinguisher.
- Use Only Dry Potholders - Moist or damp potholders on hot surfaces may result in burns from steam. Do not let potholder touch hot heating elements. Do not use a towel or other bulk cloth.

WARNING

This appliance contains chemicals known to the State of California to cause cancer and/or reproductive harm, and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

BEFORE INSTALLATION

TOOLS AND PARTS

Gather the required tools before starting installation. Read and follow the instructions provided with any tools listed here.

IMPORTANT: This appliance must be properly installed and electrically grounded by a qualified technician.

TOOLS NEEDED

Measuring Tape, Straightedge, Pencil or Marker, Phillips-head Screwdriver, Level, Wire Cutters and Wire Stripper, Hand or Sabre Saw, 1" Hole Saw, Cordless Drill and 1/8" Drill Bit, Safety Gloves and Goggles, Volt Meter (0-250 VAC)

PARTS NEEDED

UL Listed Conduit Connector

UL Listed Wire Connectors

3 or 4 prong UL or CSA International Certified power cord (rated at 240 Volt, 50 Amps)

PARTS PROVIDED

#8-14 × 1" Screws (4)



For AEW30ED



For AEW30ES

#8-14 × 1" Screws (2)

2.1 Important note to the installer

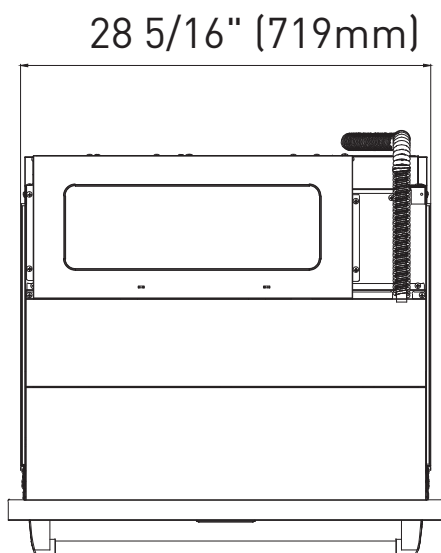
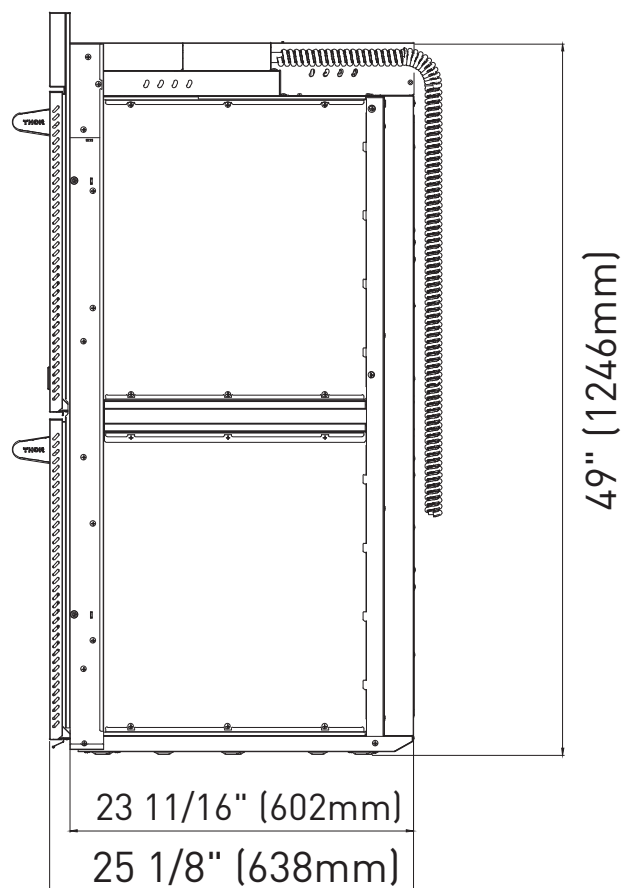
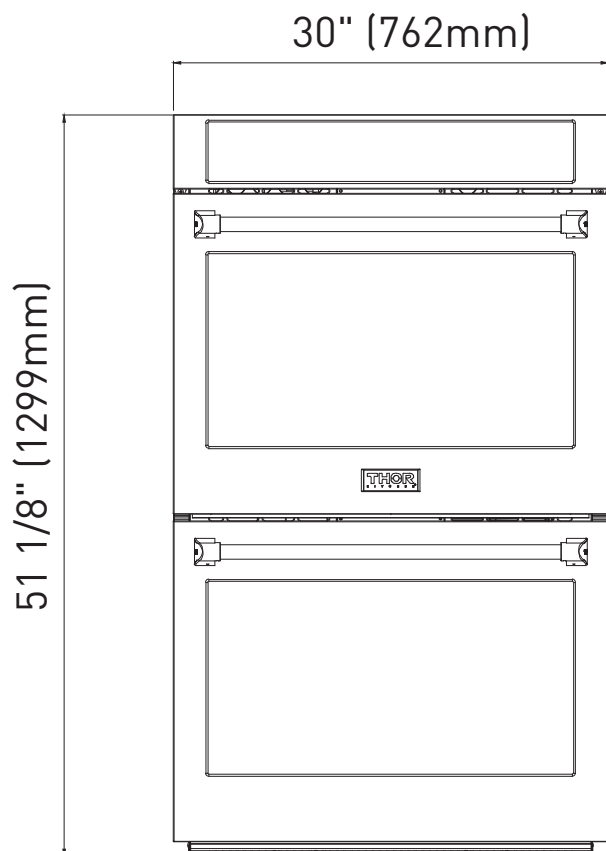
- Read all installation instructions included in this manual before installing the appliance.
- Remove all packing materials from the appliance before connecting it to the electric supply.
- Adhere to all governing codes and ordinances during installation.
- Leave these instructions with the consumer for future reference.
- Important - Save for local electrical inspector's use.

2.2 Clearances and dimensions

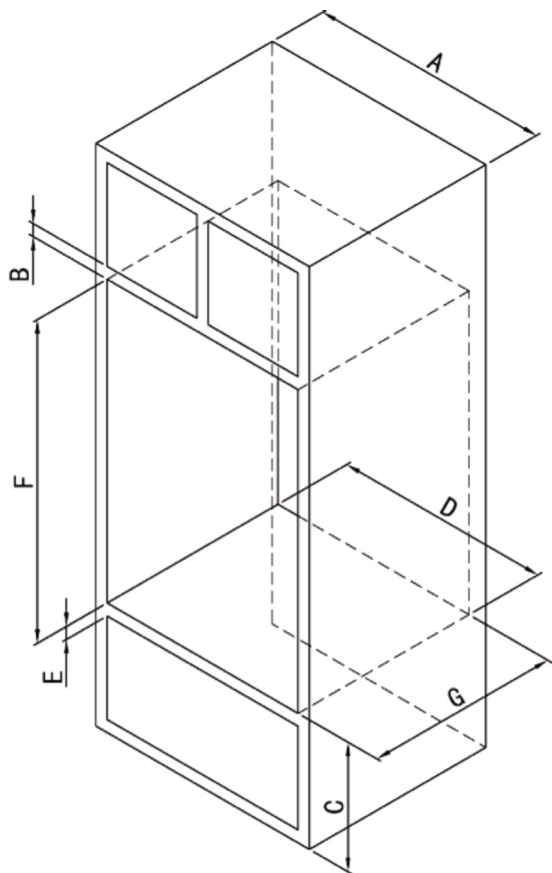
- Provide proper clearance between the appliance and adjacent combustible surfaces. These dimensions must be met for safe use of the appliance.
- The location of the electrical outlet may be adjusted to meet specific requirements.

INSTALLATION

Double Wall Oven Clearances(AEW30ED)



Double Wall Oven Clearances(AEW30ED)



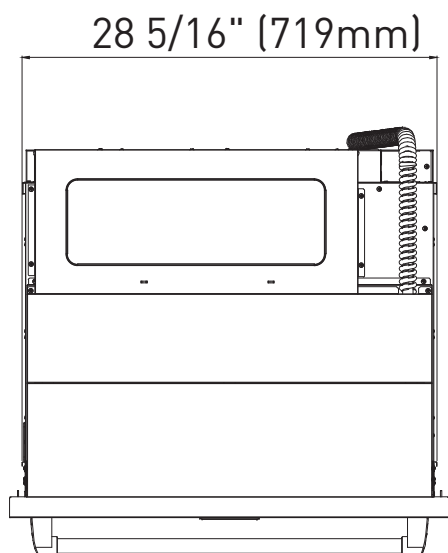
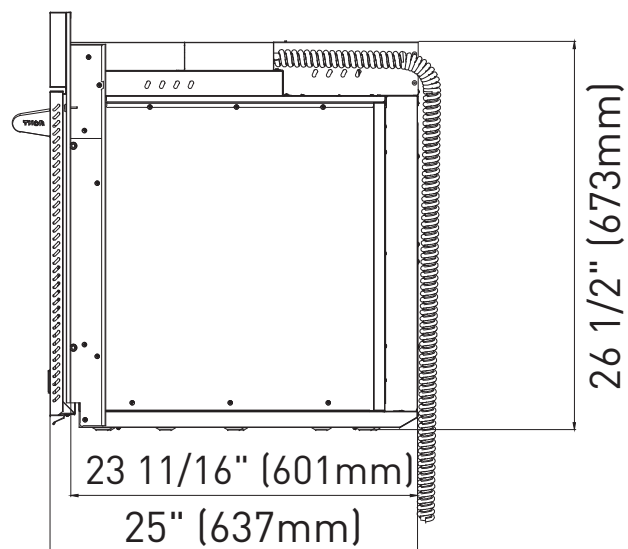
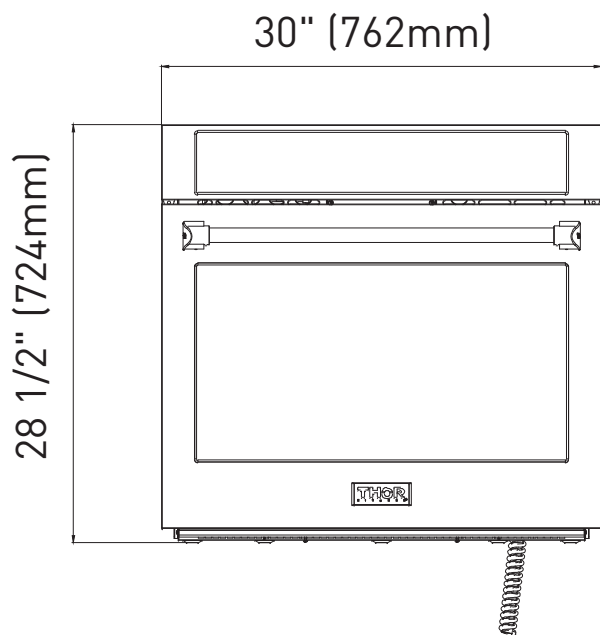
Double Wall Oven Cut-out Dimension:

- A:30"(762mm)
- B:1"(25mm)
- C:15 3/4"(401mm)
- D:28 1/2"(724mm)
- E:1 1/2"(38mm)
- F:50 1/4"(1276mm)
- G:24"(610mm)

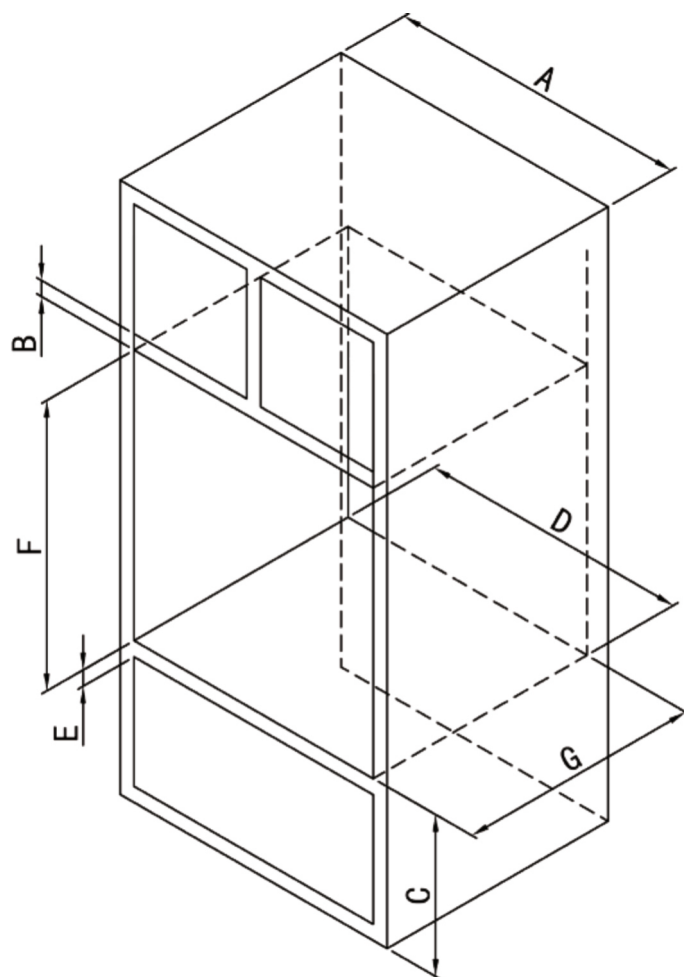
Platform must support min 390 lbs.

INSTALLATION

Single Wall Oven Clearances(AEW30ES)



Single Wall Oven Clearances(AEW30ES)



Single Wall Oven Cut-out Dimension:

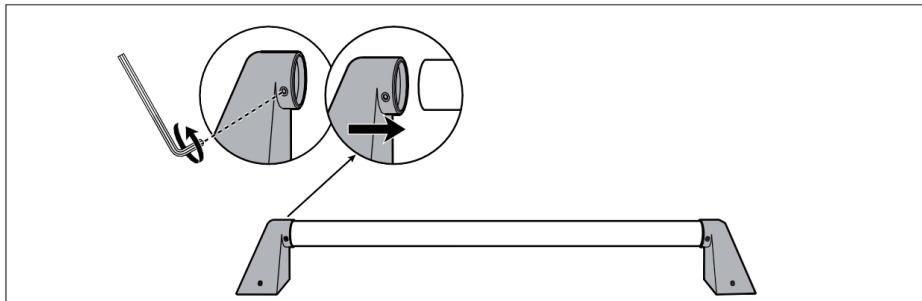
- A:30"(762mm)
- B:1"(25mm)
- C:15 3/4"(401mm)
- D:28 1/2"(724mm)
- E:1 1/2"(38mm)
- F:27 5/8"(702mm)
- G:24"(610mm)

Platform must support min 205 lbs.

INSTALLATION

2.3 Install the handle

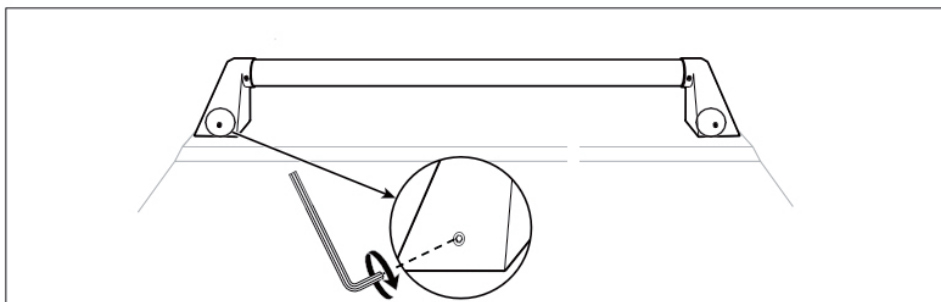
1. Attach door side brackets to both ends of the door handle.



2. Place the assembled door handle onto the door pins on the oven door.



3. Tighten the pre-installed screws on the door side brackets with the hex key . Do not overtighten the screws.



2.4 Attach/detach the oven door

- The oven door may be too big or heavy. It is recommended to have 2 people work together for attaching/detaching the oven door.
- Do not carry or hold the removed oven door by the door handle. It cannot support the weight of the oven door .

Detach

1. Fully open the oven door.
2. Unlock the hinge lock on both sides by rotating them fully towards the oven door.
3. Firmly grasp both sides on the oven door.
4. Close the oven door until it is approximately at a 20° angle. When the oven door is at the correct angle position, the hinges arms release from the appliance.
5. Take out the oven door by lifting it upwards and outwards.

Attach

1. Firmly grasp both sides on the oven door .
2. With the door at the same 20° angle as the detach position, slide the hinge arms into the bottom edge of the hinge slots on the appliance .
3. The notch in the hinge arms must be fully inserted into the bottom edge of the slots.
4. Open the door fully. If the door does not open fully, the hinge arms are not inserted correctly in the bottom edge of the hinge slots.
5. Re-engage the hinge locks, rotating them back toward the slots in the oven.
6. Close the oven door.

INSTALLATION

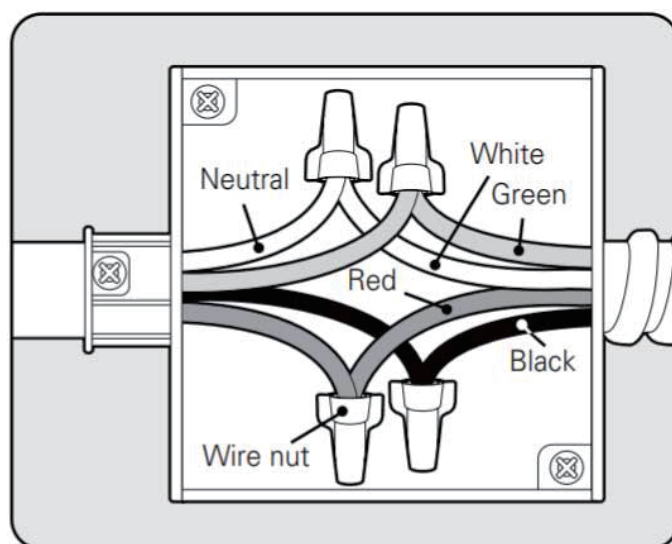
2.5 Electrical connection

- This appliance must be supplied with the proper voltage and frequency, and connected to an individual properly grounded branch circuit, protected by a circuit breaker or fuse having amperage as specified on the rating label. The rating label is located on the right of the oven door.
- This appliance is manufactured ready to be installed with a single phase 4-wire power supply cord rated at 240 Volt, 50 Amps, rated at 194 °F (90 °C).
- This appliance can only be plugged into a standard 14-50R wall receptacle, Be sure the wall receptacle is within reach of oven's final location.
- It is recommended to electrically ground the appliance during installation in accordance with local codes or, in the absence of local codes, with NFPA 70 or CSA C22.1.
- If the electrical service provided does not meet the above specifications, have a licensed electrician install an approved outlet.
- It is recommended to have the electrical wiring and hookup of the appliance connected by a qualified electrician. After installation, have the electrician explain where and how to locate and disconnect the appliance from power.
- Effective January 1,1996, the National Electrical Code requires that new constructions (not pre-existing) utilize a 4-conductor connection with an electric appliance. When installing an electric appliance in new construction, follow the 4-wire connection section of this chapter.
- The outlet for the appliance should be located within the oven of the appliance's power cord. Do not use an extension cord with this appliance.

4-Wire Connection from Home Power Supply

To connect to a Four wire circuit follow below steps.

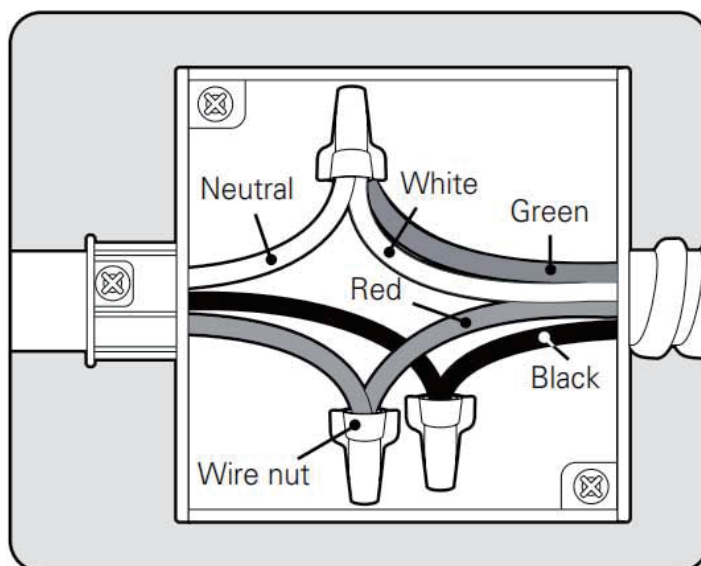
1. Separate the oven (Green) Ground wire and (white) Neutral wire.
2. Connect the oven ground (Green or bare copper wire) wire to the home branch circuit Ground (Green or bare copper wire, using a UL approved wire nut appropriate for wire gauge.
3. Connect the oven (White) wire to the branch circuit White (Neutral) wire using an approved UL wire nut.
4. Connect the oven Black wire to the branch circuit Black (L1) using a UL approved wire nut.
5. Connect the oven Red wire to the branch circuit Red (L2) wire using a UL approved Wire nut.
6. Install junction box cover.



3-Wire Connection from Home Power Supply

To connect to a Three wire circuit follow below steps.

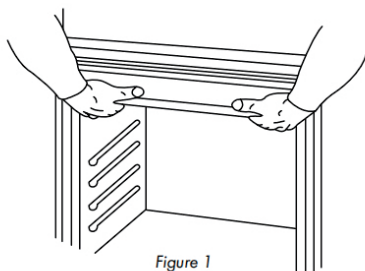
1. Connect the oven ground (Green or bare copper wire) wire and Neutral (white) wire to the home branch circuit neutral (white) wire, using a UL approved wire nut appropriate for wire gauge.
2. Connect the oven Red wire to the branch circuit Red (L2) wire using an approved UL wire nut appropriate for wire gauge.
3. Connect the oven Black wire to the branch circuit Black (L1) using a UL approved wire nut appropriate for the wire gauge.
4. install junction box cover.



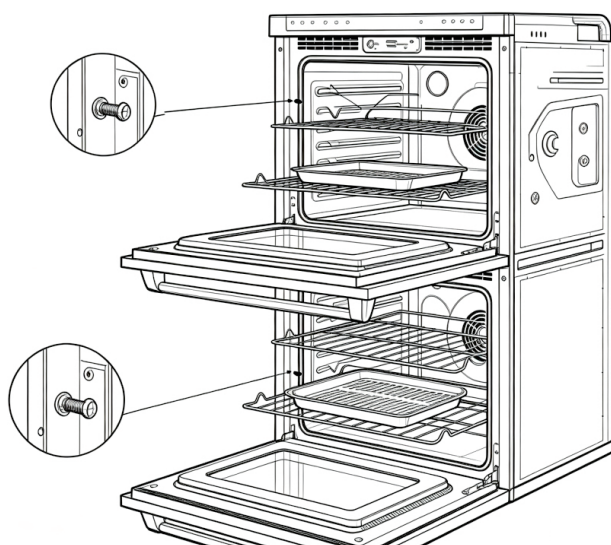
INSTALLATION

2.6 Install the oven

1. Using two or more people, grasp the ceiling of the oven cavity and lift the oven onto a table or platform even with the cutout opening.
2. By hand, feed the flexible electrical supply conduit from the oven to the junction box (Figure 1).



2. Secure the oven to the cabinet by installing screws on the side after pushing the oven into the cabinet opening, as shown in the [figure 2] below.



2.7 Conditioning prior to first time use

Conditioning burns off any manufacturing residues.

1. Place all the oven racks inside the oven cavity .
2. If a hood is installed, set it on high.
3. Remove all rack accessories. Make sure there is no packing material remaining in the oven. Clean the oven thoroughly before using it for the first time. Then set the oven to Bake, set temperature for 400°F and run for 1 hour. Then set unit to Broil and run for an additional 30 min on Broil. There will be a distinctive odor. This is normal. You may see a light smoke from the oven vent area and inside the oven as the manufacturing and protective coating oils are burned off. Ensure your kitchen is well ventilated during this conditioning period.
4. Let the oven cavity cool down.
5. Once cooled, wipe the oven cavity with a damp cloth and mild detergent, then dry thoroughly.

Problem	Possible Causes	What to Do
The appliance is not level.	The appliance has been installed improperly	Place the oven rack in the center of the oven. Place a level on the oven rack . Adjust the feet until the oven rack is level. Ensure the floor is level and strong and stable enough to adequately support the appliance.
	The floor is sagging or sloping.	Contact a carpenter to correct the situation.
	The kitchen cabinets are not properly aligned and make the appliance appear to be not level.	Ensure the cabinets are square and provide sufficient room for installation.
The appliance must be accessed for servicing and cannot be moved easily.	The kitchen cabinets are not square and too close to the appliance.	Contact a builder or installer to make the appliance accessible.
	Carpet is interfering with movement of the appliance.	Provide sufficient space so the appliance can be lifted over the carpet.

WARRANTY



Warranty&Service

This appliance has been manufactured by Thor International, 10830 Ada Ave, Montclair, CA 91763 United States.

For Customer Service, please call (877) 288 - 8099

For the most up to date warranty and service policy, please refer to our website

WWW.THORKITCHEN.COM/WARRANTY-REGISTRATION

For in-warranty service requests, please visit our website at

WWW.THORKITCHEN.COM/SERVICE

Please Note: You must provide proof of purchase or installation date for any in-warranty service requests

We Stand Behind the Quality of Our Appliances.



Reliability and customer satisfaction are our top priorities. We offer a solid two-year warranty on both parts and labor. Enjoy professional-grade performance with the confidence that we've got you covered.

Warranty Registration Made Easy.

01 Scan the QR Code or visit thorkitchen.com/register-your-product.

02 Input your purchase and product information and select register.

03 That's it. You're all set. Enjoy!

Questions: service@thorinternational.com



WARRANTY



PARTS



[ThorKitchen.com](https://thorkitchen.com) | [#IgniteYourCulinaryCreativity](https://twitter.com/igniteyourcreativity) [d](https://www.youtube.com/channel/UC...) [i](https://www.instagram.com/thorkitchen) [f](https://www.facebook.com/thorkitchen) [y](https://www.youtube.com/channel/UC...) [X](https://www.x.com/thorkitchen) [p](https://www.pinterest.com/thorkitchen) [in](https://www.linkedin.com/company/thorkitchen)