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, highlighting the metallic surfaces and the intensity of the fire. The Thor Kitchen logo is positioned in the upper left corner, and the main title is centered in the upper half. A yellow horizontal line is located below the title, and another yellow bar runs across the bottom of the page.

THOR
K I T C H E N[®]

INSTALLATION INSTRUCTIONS

**TUH PROFESSIONAL UNDER
CABINET HOOD**

TUH MODELS

TUH3048 | TUH3648

TUH3048B | TUH3648B

TUH3048W | TUH3648W

INSTALLATION INSTRUCTIONS MANUAL

TUH PROFESSIONAL UNDER CABINET HOOD

TUH MODELS

TUH3048 TUH3648
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THOR
K I T C H E N[®]

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IMPORTANT SAFETY NOTICE

1.1 Read and Save These Instructions

⚠ WARNING

To reduce the risk of fire or electric shock, do not use this fan with any solid-state control device.

CAUTION

For general ventilating use only. Do not use to exhaust hazardous or explosive materials and vapors.

⚠ WARNING

To reduce the risk of fire, electric shock, or injury to persons, observe the following.

- a. Use this unit only in the manner intended by the manufacturer. If you have questions, contact the manufacturer.
- b. Before servicing or cleaning the unit, turn off the power at the service panel and lock the service disconnect to prevent accidental power activation. If locking the disconnect is not possible, securely attach a prominent warning device, such as a tag, to the service panel.

⚠ WARNING

To reduce the risk of a range top grease fire:

- a. Never leave surface units unattended at high settings. Boilovers cause smoking and greasy spillovers that may ignite. Heat oils slowly on low or medium settings.
- b. Always turn the hood ON when cooking at high heat or when flambeing food (i.e. Crepes Suzette, Cherries Jubilee, Peppercorn Beef Flambe).
- c. Clean ventilating fans frequently. Grease should not be allowed to accumulate on fan or filter.
- d. Use proper pan sizes. Always use cookware appropriate for the size of the surface element.

⚠ WARNING

To reduce the risk of injury to persons in the event of a range top grease fire, observe the following*.

- a. SMOTHER FLAMES with a close-fitting lid, cookie sheet, or metal tray, then turn off the burner. BE CAREFUL TO PREVENT BURNS. If the flames do not go out immediately, EVACUATE AND CALL THE FIRE DEPARTMENT.
- b. NEVER PICK UP A FLAMING PAN - You may be burned.
- c. DO NOT USE WATER, including wet dishcloths or towels - a violent steam explosion will result.
- c. Use an extinguisher ONLY if:
 1. You know you have a Class ABC extinguisher, and you already know how to operate it.
 2. The fire is small and contained in the area where it started.
 3. The fire department is being called.
 4. You can fight the fire with your back to an exit.

* Based on "Kitchen Fire Safety Tips" published by NFPA.

IMPORTANT SAFETY NOTICE

⚠ WARNING

To reduce the risk of fire, electric shock, or injury to persons, observe the following:

- a. Installation work and electrical wiring must be done by qualified person (s) in accordance with all applicable codes and standards, including fire - rated construction.
- b. Sufficient air is needed for proper combustion and exhausting of gases through the flue (chimney) of fuel burning equipment to prevent back drafting. Follow the heating equipment manufacturer's guideline and safety standards such as those published by the National Fire Protection Association (NFPA), and the American Society for Heating, Refrigeration and Air Conditioning Engineers (ASHRAE), and the local code authorities.
- c. When cutting or drilling into wall or ceiling, do not damage electrical wiring and other hidden utilities.
- d. Ducted fans must always be vented to the outdoors.
- e. NEVER place a switch where it can be reached from a tub or shower.
- f. Make sure the power is off before installing, wiring or maintaining.

To Reduce The Risk Of Fire, Electric Shock Or Injury To Persons, Do Not Use Replacement Parts That Have Not Been Recommended By The Manufacturer (e.g. Parts Made At Home Using A 3D Printer).

⚠ WARNING

To reduce the risk of fire, use only metal ductwork.

CAUTION

To reduce risk of fire and to properly exhaust air outside - Do not vent exhaust air into spaces within walls, ceilings, attics, crawl spaces or garages.

⚠ WARNING

GROUNDING INSTRUCTIONS

This appliance must be grounded. In the event of an electrical short circuit, grounding reduces the risk of electric shock by providing an escape wire for the electric current. This appliance is equipped with a cord having a grounding wire with a grounding plug. The plug must be plugged into an outlet that is properly installed and grounded.

WARNING - Improper grounding can result in a risk of electric shock.

Consult a qualified electrician if the grounding instructions are not completely understood, or if doubt exists as to whether the appliance is properly grounded.

Do not use an extension cord. If the power supply cord is too short, have a qualified electrician install an outlet near the appliance.

OPERATION

Always leave safety grilles and filters in place. Without these components, operating blowers could catch onto hair, fingers and loose clothing. The manufacturer declines all responsibility in the event of failure to observe the instructions given here for installation, maintenance and suitable use of the product. The manufacturer further declines all responsibility for injury due to negligence and the warranty of the unit automatically expires due to improper maintenance.

CALIFORNIA PROPOSITION 65 WARNING

⚠ 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.

IMPORTANT SAFETY NOTICE

1.2 Electrical Requirements

Important: Observe all governing codes and ordinances.

It is the customer's responsibility.

- To contact a qualified electrical installer.
- To assure that the electrical installation is adequate and in conformance with National Electrical Code, ANSI/NFPA 70 latest edition* or CSA standards C22.1-94, Canadian Electrical Code, Part 1 and C22.2 No.0-M91 - latest edition** and all local codes and ordinances.

* National Fire Protection Association Batterymarch Park, Quincy, Massachusetts 02269

** CSA International 8501 East Pleasant Valley Road, Cleveland, Ohio 44131-5575

If codes permit and a separate ground wire is used, it is recommended that a qualified electrician determine that the ground path is adequate.

Do not ground to a gas pipe.

Check with a qualified electrician if you are not sure the range hood is properly grounded.

Do not have a fuse in the neutral or ground circuit.

This appliance requires a 120V / 60Hz electrical supply and connected to an individual properly grounded branch circuit protected by a 15 ampere circuit breaker or time delay fuse. Wiring must be 2 wire with ground. Please also refer to Electrical Diagram on product.

A cable locking connector (not supplied) might also be required by local codes.

Check with local requirements, purchase and install appropriate connector if necessary.

PRODUCT FEATURES / SPECIFICATION CHART

2.1 Product Features

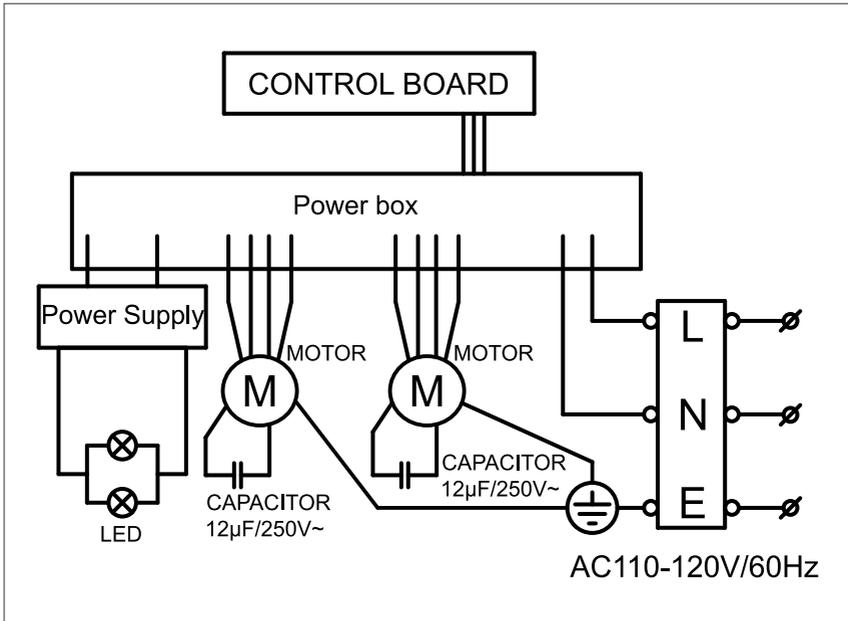
1. Durable Stainless Steel Finish
2. Efficient 480 CFM Ventilation
3. Dual Installation Options (Ducted or Ductless)
4. Easy Push Button Controls
5. Bright, Energy-Saving LED Lights
6. Dishwasher-safe baffle filters
7. Three-Speed Fan Settings

PRODUCT FEATURES / SPECIFICATION CHART

2.2 Specification Chart

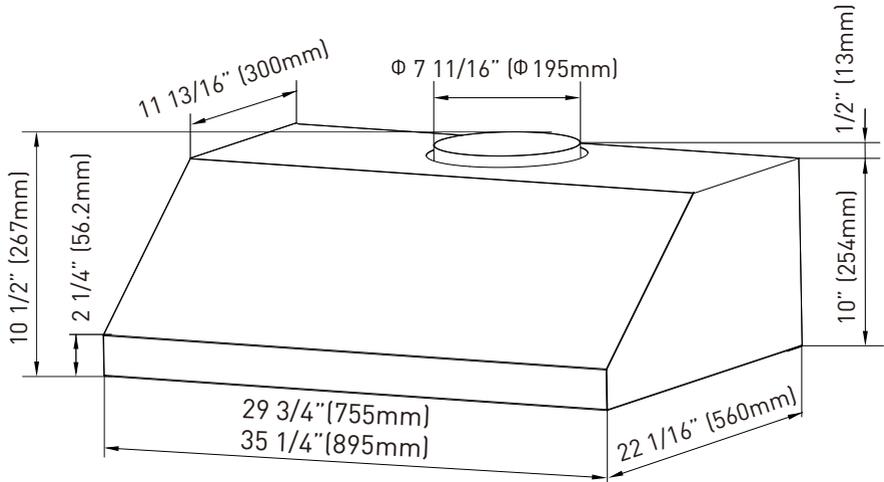
Models	TUH3048 / TUH3648 / TUH3048B TUH3648B / TUH3048W / TUH3648W
Net Weight (lbs)	48.3 (30 inch) / 51.8 (36 inch)
Measurement (inches)	TUH3048 / TUH3048B / TUH3048W : [W]29-3/4" (755mm) × [D]22-1/16" (560mm) × [H]10-1/2" (267mm) TUH3648 / TUH3648B / TUH3648W : [W]35-1/4" (895mm) × [D]22-1/16" (560mm) × [H]10-1/2" (267mm)
Maximum Voltage	120V-60Hz
Duct Size	Round 8 inches
Light	1.5W LED×2
Certification	

2.3 Circuit Diagram

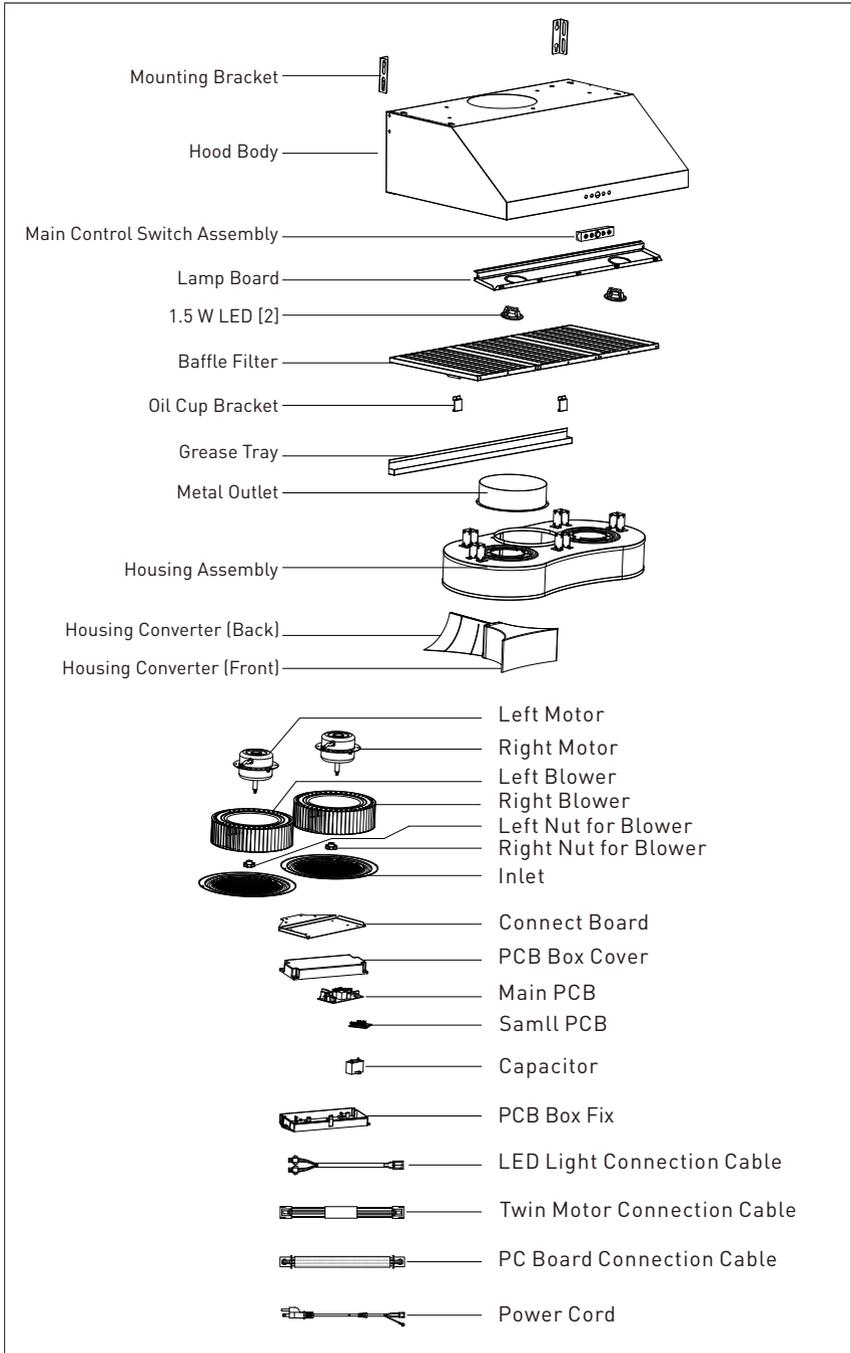


PRODUCT FEATURES / SPECIFICATION CHART

2.4 Hood Specifications



EXPLODED DIAGRAM



LIST OF MATERIALS

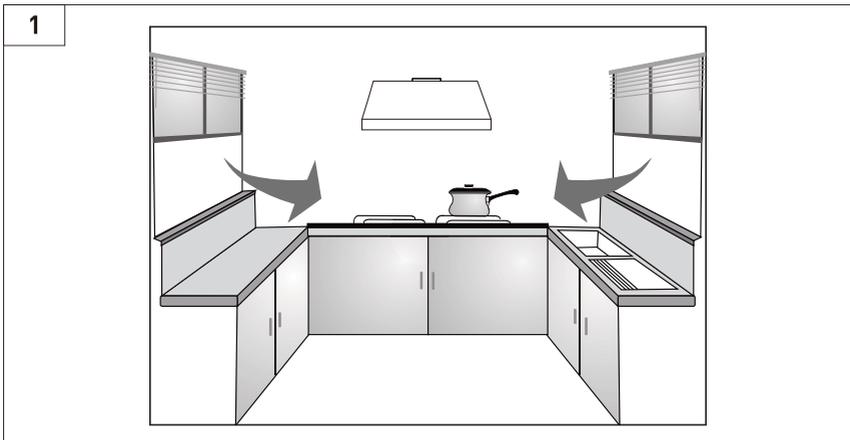
3.1 Parts Supplied

Standard configuration			Hardware package content		
Hood		1	St4×30		14
Installation Guide		1	φ 5 × φ 8		14
Hardware Package		1	M5×10		8
Damper		1	Washer		8
Mounting Bracket		2			
Adaptor (7.7 inches change to 6 inches)		1			

INSTALLATION GUIDELINES

4.1 Location

- Air turbulence from window/door may reduce the effectiveness of hood. It is suggested to close window/door before using hood. (FIG.1)
- The smoke has to rise up to 10 inches from cook top in order to reach hood's suction efficiency range.



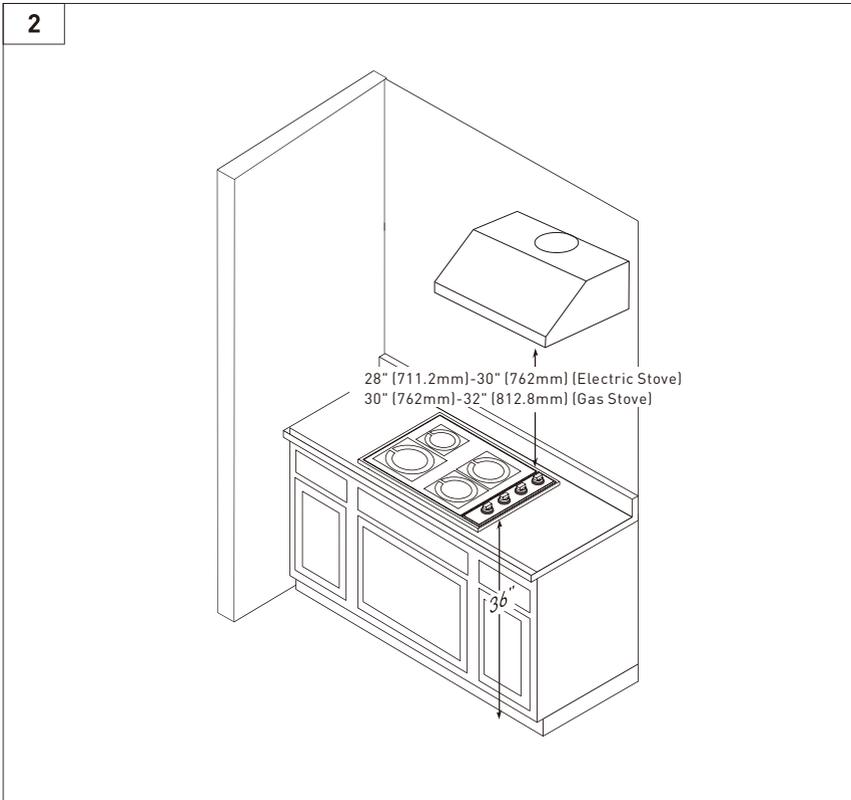
4.2 Exhaust duct

- 6" diameter exhaust duct is recommended to use in order to maximize suction efficiency reduce gap.
- Before installing the range hood, securely attach the **duct collar** to the vent opening on the top of the range hood using heat - resistant metal tape.
- Once the duct collar is in place, connect the exhaust duct to the collar and seal all joints with heat-resistant metal tape to ensure a tight, secure fit.
- 6" diameter exhaust duct and duct collar should be able to easily sourced from local hardware stores.

INSTALLATION GUIDELINES

4.3 Position

- The installation height is measured vertically from the center of the hood's baffle filter to the surface of the cooktop.
- The min installation height is 28 inches and the max is 30 inches for electric hob, and the min installation height is 30 inches and the max is 32 inches for gas hob.(FIG.2)
- Avoid left-right or front-dropped inclination.



INSTALLATION INSTRUCTIONS

⚠ CAUTION

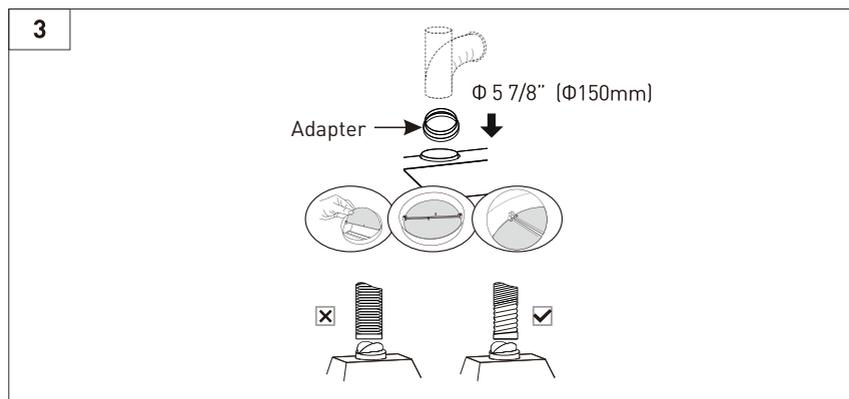
At least two installers are required due to the weight and size of the hood.

1. Remove all packing materials and protective film prior to installation. Use caution during installation to prevent scratches or damage to the stainless steel.

2. Insert the adaptor and one-way-valve as the pic and fix the duct. (Ducted mode.)

Attention: The bump of the one-way-valve must be upward.

The pipe near the air outlet need to be fully extended.



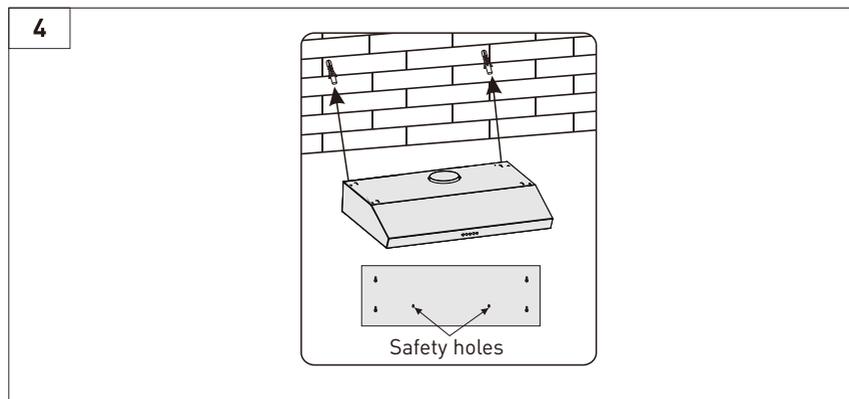
Three Methods for Installation

Method A (Wall mount):

1. According to the center distance of hole in the back of the range hood, measure the position and then drill 2 holes on the wall. Insert the plastic wall anchors into each holes and tighten 2pcs ST4×30 screws into the plastic wall anchors.

2. Place the range hood onto the tighten screws. Fix the range hood with 2pcs ST4X30 screws into the safety holes.

The two safety vents are positioned on the back casing.



INSTALLATION INSTRUCTIONS

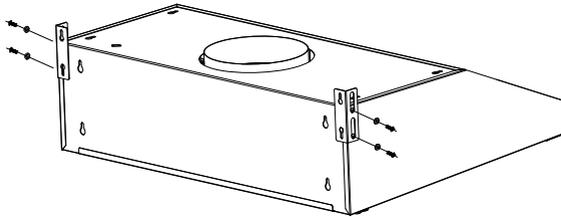
▲ WARNING

Make sure the surface you are securing the liner to is capable of holding the weight of TUH. Failure to do so may cause personal injury or damage to cooking surface or counter.

Method B (Wall mount):

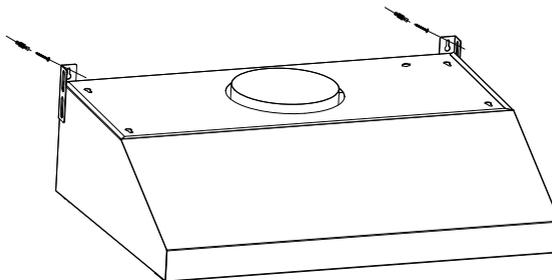
1. Attach a mounting bracket to each side of the range hood using the provided gaskets and two M5x10 screws.

5



2. Use a drill bit to drill two pilot holes in the cabinet. Insert wall anchors into the drilled holes. Secure the mounting brackets to the wall by fastening them with two St4x30 screws.

6



INSTALLATION INSTRUCTIONS

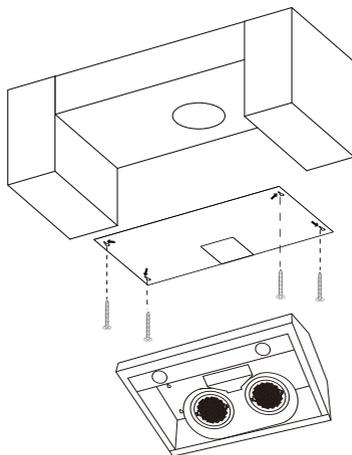
▲ WARNING

Make sure the surface you are securing the liner to is capable of holding the weight of TUH. Failure to do so may cause personal injury or damage to cooking surface or counter.

Method C (Under mount):

1. Stick the installation paper on the bottom of cabinet.
2. Drill 4 holes according to the paper showed. (If you need top vent, cut a square hole according to the paper showed.)
3. Remove the installation diagram after drilling the holes.
4. Insert the plastic wall anchors into each holes and tighten ST4×30 screws into the plastic wall anchors.

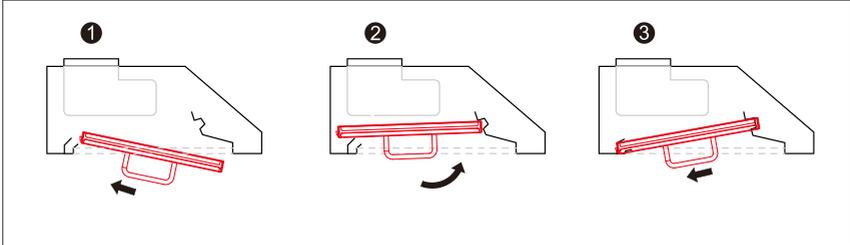
6



BAFFLE FILTER INSTALLATION, REMOVAL AND MAINTENANCE

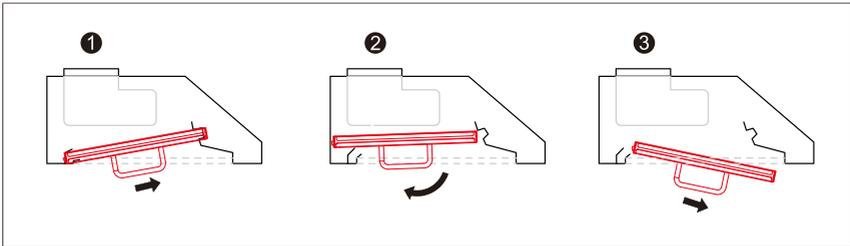
Installing the Baffle Filters

1. Insert the filter into the top groove of the liner, ensuring proper alignment, then pull it toward the front using the handles
2. Tilt the rear of the filter upward to angle it into position, then slide the back of the filter into the rear channel to lock it securely in place.



Removing the Baffle Filters

1. Pull the filter towards the front of the liner.
2. Pivot the rear of the filter downward
3. Slide the filter out of the channel at the front of the liner to remove it.



Cleaning the Baffle Filters

The filters are designed to capture grease and cooking residue. While they generally do not require replacement under normal use, they should be cleaned every 30 days, or more frequently depending on usage.

Filters can be cleaned either in the dishwasher on a low-heat setting or by soaking them in hot, soapy water.

Before reinstalling, ensure the filters are completely dry. Always handle with care, as the edges may be sharp.

Ensure the filters are thoroughly dried before reinstalling them into the hood.

Handle with Care: The edges of the filters may be sharp. Always handle them with care and consider wearing protective gloves to avoid cuts.

Cleaning Method:

Remove the filters according to the hood's instructions.

Soak them in hot, soapy water for 10–15 minutes.

Use a non-abrasive brush to gently scrub away grease and residue.

Rinse thoroughly and allow the filters to dry completely before reinstalling.

Dishwasher Safe (if applicable): If your filters are dishwasher safe, place them in the lower rack away from delicate items. Use a normal cycle with a degreasing detergent.

Do Not Use Harsh Chemicals: Avoid using bleach, ammonia, or other harsh chemicals that may damage the metal or compromise the filter's performance.

Inspect Regularly: Check for excessive grease build-up or any signs of damage. Replace the filters if they are deformed or no longer function effectively.

REPLACING LIGHT STRIP

LED Light:

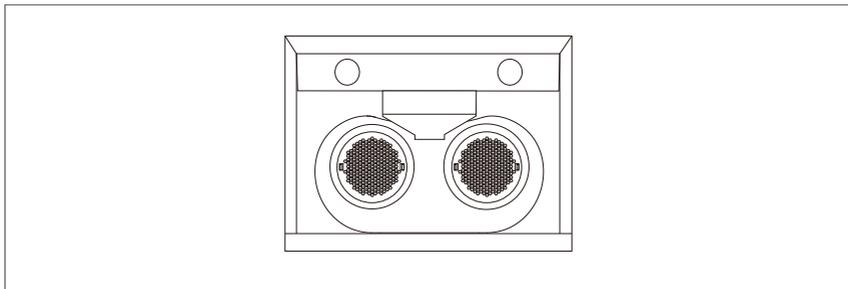
For LED light replacement or service, please contact Thor Kitchen customer service or parts department at (877) 288 - 8099.

⚠ WARNING

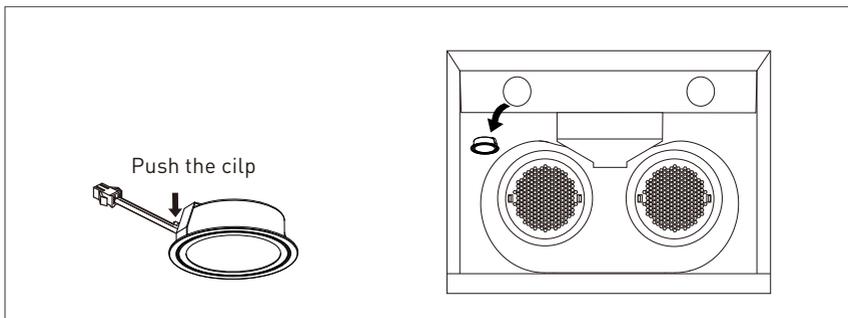
Improper installation, service, or maintenance may cause injury or damage. Refer to this manual for detailed instructions. All other service should be performed by an authorized service provider.

Failure to follow these instructions can result in serious injury, fire, or electrical shock.

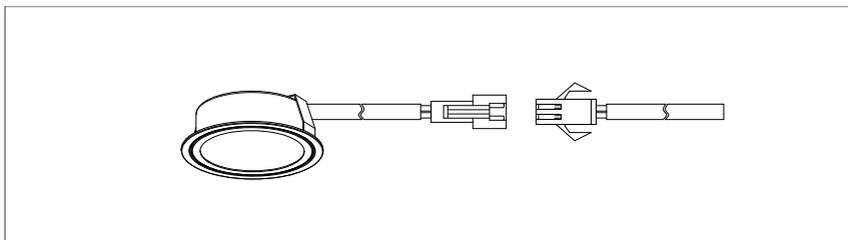
1. Turn off the power, leave it 10 minutes before replacement.
2. Remove the baffle filters.



3. Press the clips on both sides of the LED light and pull it out.



4. Disconnect the LED light connector.





Warranty&Service

This appliance has been manufactured by Thor International, 4651 E Airport Drive, California 91761

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!



WARRANTY



PARTS

Questions: service@thorinternational.com