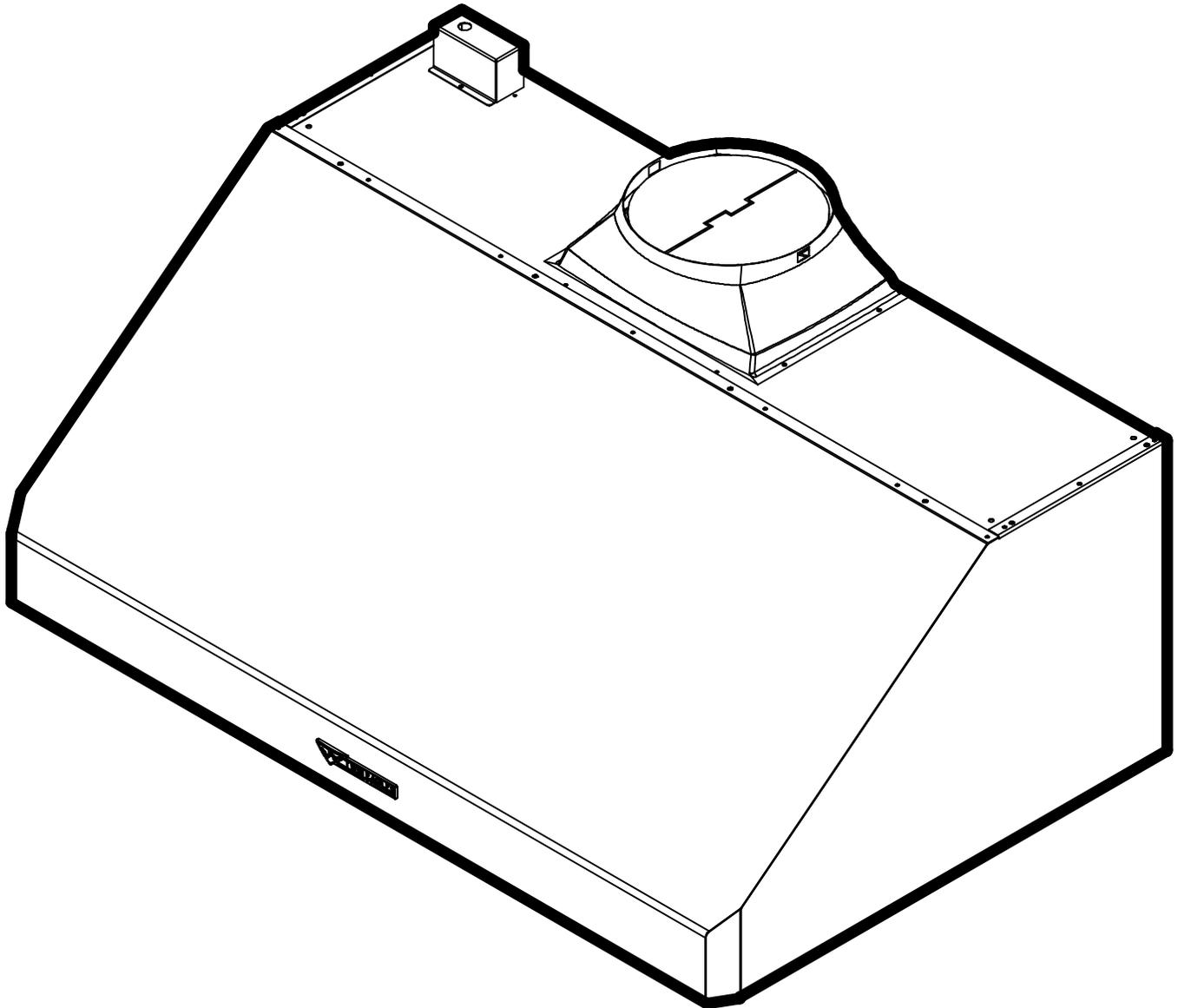




# TWIN EAGLES

INNOVATION AND INSPIRATION ON FIRE™

## TWIN EAGLES VENT HOOD



## INSTALLATION INSTRUCTIONS

FOR RESIDENTIAL USE ONLY.

MODELS: TEVH36-C  
TEVH48-C  
TEVH60-C

## A SPECIAL MESSAGE TO OUR CUSTOMERS...

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Congratulations on the purchase of your Twin Eagles Vent Hood! Our products are engineered for precision and designed for style. Each Twin Eagles Vent Hood is manufactured in the USA at our own state of the art facility in California.

This manual will give you easy to follow instructions for installing, operating and maintaining your Vent Hood. We recommend reading this manual before your first use to ensure safety, proper care and operation.

At Twin Eagles, we want you to enjoy grilling and spending time together as much as we do – making memories that linger long after the grill cools down.

Thank you and welcome!

*Dante Cantal*

OWNER AND FOUNDER

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## CUSTOMER CARE

Please record the product information below and refer to it when contacting Twin Eagles.

This information is found on the data nameplate, located on the left hand inside face of the vent hood.

Remove the left most baffle to visually access the data name plate.

### SERVICE INFORMATION

Model Number

Serial Number

Date of Purchase

Place of Purchase



Intertek



**PLEASE READ ENTIRE INSTRUCTIONS BEFORE PROCEEDING.  
INSTALLATIONS MUST COMPLY WITH ALL LOCAL CODES.**

**IMPORTANT:** Save these instructions for the Local Electrical Inspector's use.

**INSTALLER:** Please save these Installation Instructions with this unit for owner.

**OWNER: PLEASE READ AND SAVE THESE INSTRUCTIONS FOR FUTURE REFERENCE.**

### **⚠️ WARNING: CALIFORNIA PROPOSITION 65**

This product can expose you to chemicals including carbon monoxide which is known to the State of California to cause cancer and reproductive harm. To minimize exposure to the by-products of the burning fuel or from combustion, always operate this unit according to the use and care manual and provide good ventilation. California law requires businesses to warn customers of potential exposure to such substances. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

### **⚠️ AVERTISSEMENT: PROPOSITION 65 DE L'ETAT DE LA CALIFORNIE**

Cet appareil peut vous exposer aux produits chimiques et au gaz monoxyde de carbone reconnue dans l'Etat de la Californie pour causer le cancer et des problemes de fertilité. Pour minimiser l'exposition de ces-sous produits combustibles ou de la combustion, utiliser toujours cet appareil en conformitee au manuel d'utilisation et d'entretien en s'assurant également d'une bonne ventilation. La loi de la Californie exige aux fabricants d'informer leurs clients aux risques d'exposition potentielle a de telles substances. Pour plus d'information, visiter le site [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

## IMPORTANT SAFETY INSTRUCTIONS:

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Read this manual carefully and completely before using your Vent Hood to ensure proper operation, proper installation, proper servicing and to reduce the risk of fire, burn hazard and/ or other injury.

### **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 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 size. 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.
- D. 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.

### **TO REDUCE THE RISK OF FIRE, ELECTRICAL SHOCK, OR INJURY TO PERSONS, OBSERVE THE FOLLOWING:**

- A. The installation of this appliance must conform with local codes.
- B. Sufficient air is needed for proper ventilation of flue gases. Use metal ducting only; no smaller than 10" diameter. Ventilation must be to the outdoors.
- C. When cutting or drilling into wall of ceiling, do not damage electrical wiring and other hidden utilities.
- D. Before servicing or cleaning unit, unplug from GFCI outlet.

### **WARNING**

**TO REDUCE THE RISK OF FIRE, USE ONLY METAL DUCTWORK.**

## GETTING STARTED:

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1. Remove all packaging materials, labels and protective plastic film. DO NOT LEAVE UNIT IN THE SUN WITH PROTECTIVE PLASTIC FILM ON FOR AN EXTENDED PERIOD OF TIME AS IT WILL BECOME DIFFICULT TO REMOVE.
2. Check to ensure all Vent Hood accessories listed below are included.
3. Assemble parts as per assembly instructions.
4. Fill out Warranty Registration Card and mail it to the indicated address, or register online. See page 17.

Vent Hood Accessories	TEVH36-C	TEVH48-C	TEVH60-C
BAFFLE FILTER	3	4	5

**Read this instruction completely before starting installation.** Planning the complete installation before starting work is highly recommended. This includes all aspects of the installation including hood location, ducting, electrical requirements, and adequacy of mounting surfaces.

### CAUTION:

- To reduce the risk of fire and electric shock, install this vent hood only with Integral Blower TEVI-120I.
- The hood is of sufficient weight that two installers are recommended to prevent injury or damage to the hood in handling.
- Hood is recommended for use over domestic gas or electric appliances. **Not recommended for use over solid fuel fired appliances.**

## OPERATING INSTRUCTIONS:

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The vent hood is operated by a 3-speed rotary control switch located in the front left of the hood. Medium to low speed will handle most exhaust requirements. Use the high-speed position for heavy cooktop use conditions. Turn the vent hood on just before cooking to prevent the escape of discharges from the cooking surface.

The light rotary switch is located to the right of the ventilation control.

## CLEANING AND MAINTENANCE:

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**CAUTION: Shut off power to unit at service entrance if you are cleaning the blower.**

Use a damp cloth to wipe the outer surface of the blower. Do not use a dripping wet cloth to wipe blower. Never put your hand into the blower housing.

To clean the hood surface use only mild soap or detergent solutions. Wipe to dry surfaces using a soft cloth. If a stainless surface is being cleaned, **always wipe in the direction of the brush surface.** Cleaning aids such as "Stainless Steel Magic" are available. Never use abrasive cleaners, pads or cloth.

## ELECTRICAL REQUIREMENTS:

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The appliance should only be taken apart by a qualified technician, or electrical shock may occur. It is rated at 120V, 5.4 Amps, 60Hz.

### REMINDER:

Keep any electrical supply cord away from any heated features.

Unit comes with three-pronged power cord pre-installed. Vent hood must be plugged into a GFCI protected branch circuit. Suitable for use in damp locations when installed in a GFCI protected branch circuit.

### NOTE:

**Ventilator requires a dedicated 15 AMP Power Supply.**



### 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 electrical 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.

HALOGEN LAMP WATTAGE: 40 WATTS PER LAMP

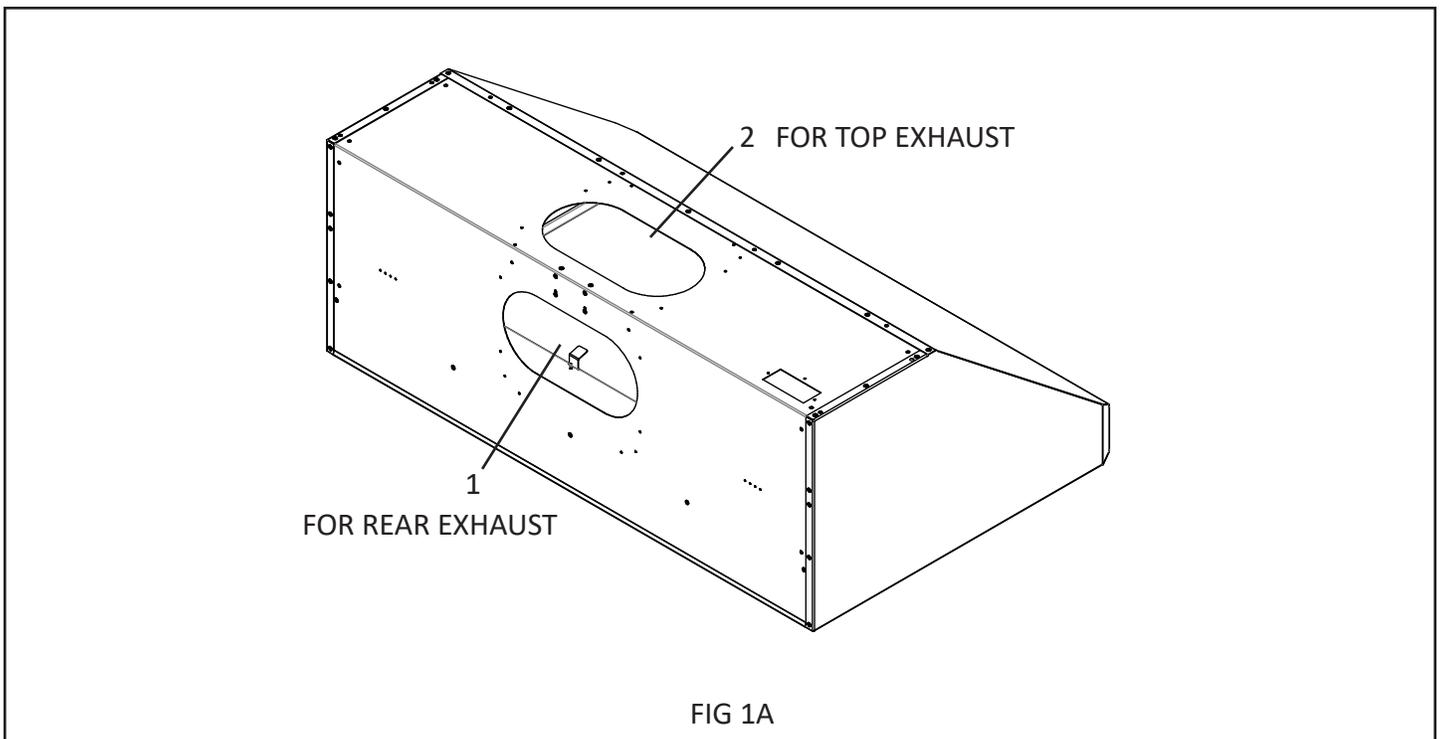
## VENT HOOD KNOCK-OUTS AND MOUNTING LOCATIONS:

NOTE: The hood is of sufficient weight that two installers are recommended to prevent injury or damage to the hood in handling.

Before starting the installation, you must identify if the installation will be a rear exhaust or top exhaust installation.

**! UNIT MUST BE VENTED TO THE OUTSIDE OF THE BUILDING. !**

Begin the installation by removing the appropriate knock-out that will provide the top or rear exhaust point. See FIG 1A for knock-out locations.



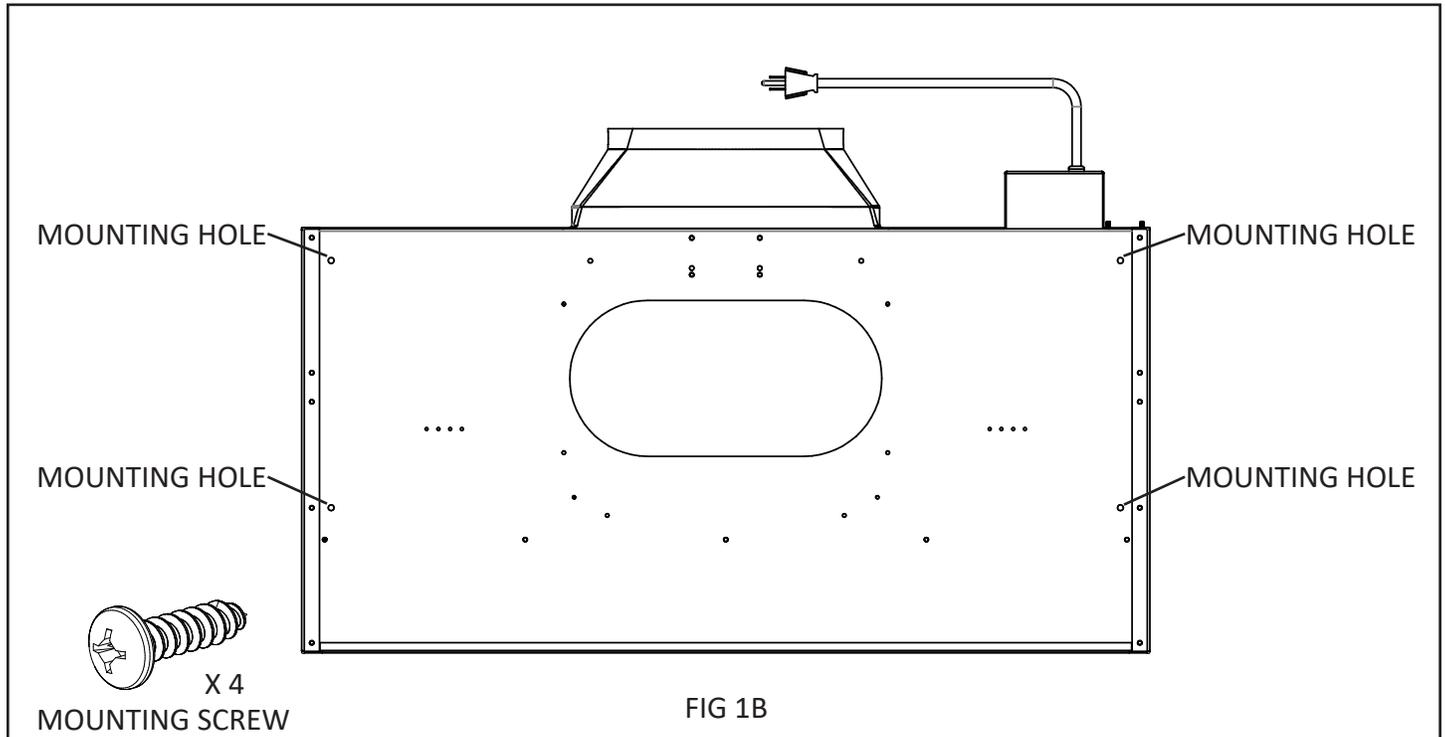
### CAUTION:

**! When knock outs are removed the edges will be sharp!!! Sharp edges should be filed or covered with metal tape. !**

## VENT HOOD KNOCK-OUTS AND MOUNTING LOCATIONS -cont:

Installation of the Vent Hood should also take into account the unit that the Vent Hood is to be installed above. For best ventilation of smoke and heat, make sure the vent hood is centered above the appliance and a minimum of 36 inches above the cooking surface. Refer back to the appliance manual to be sure distances and clearances to combustible construction are maintained.

Mounting locations are shown in FIG 1B:



Mounting surface must be a minimum of 3/4" thick. Mount Vent Hood to desired construction using #10 wood screws. A minimum of four #10 wood screws are needed to mount the Vent Hood. Longer screws may be required if wall board or other nonstructural surfaces are used between the hood and the main mounting surface. Anchors may be required if mounting screws do not engage the wood structure.

Use of furring strips to level the cabinet mounting surface may be required. Refer to FIG 2 for ducting clearances and furring strip locations.

# TOP EXHAUST

FIG 2  
BOTTOM VIEW OF CABINET

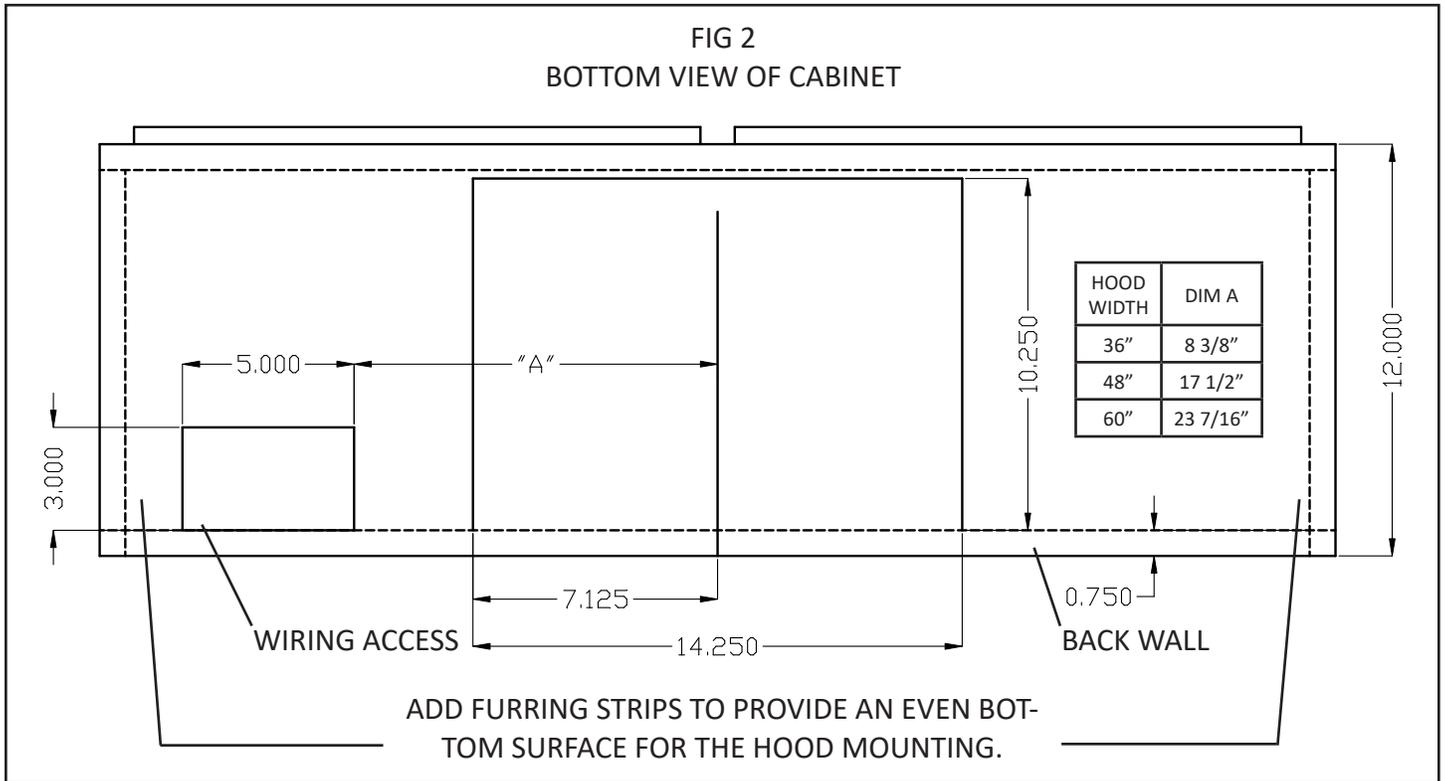


FIG 3  
REMOVE KNOCK OUT # 2

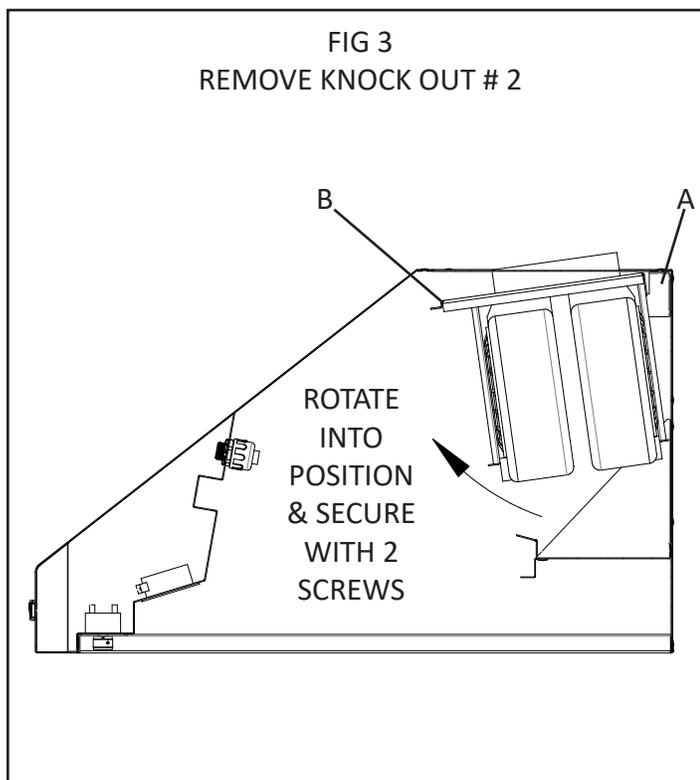
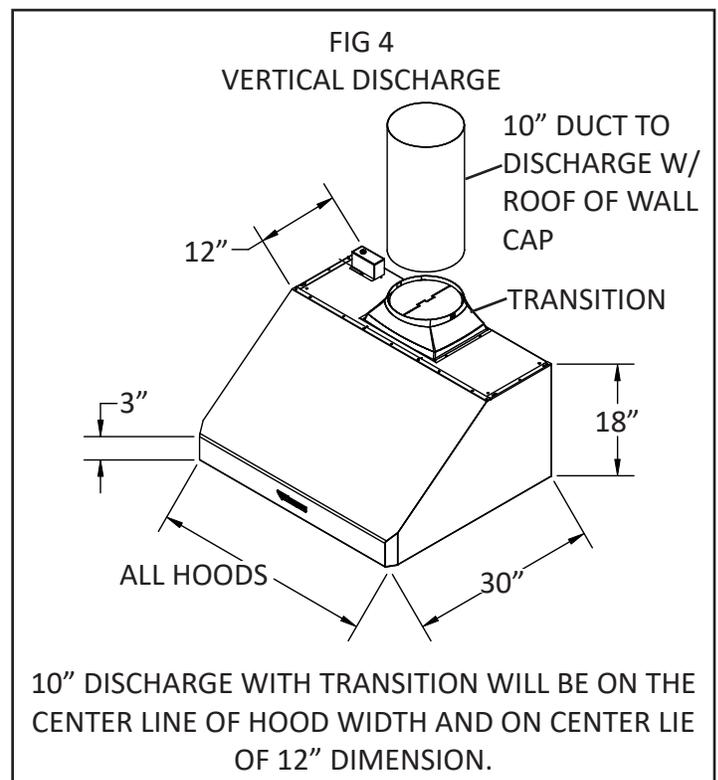


FIG 4  
VERTICAL DISCHARGE



# REAR EXHAUST

FIG 5  
BOTTOM VIEW OF CABINET

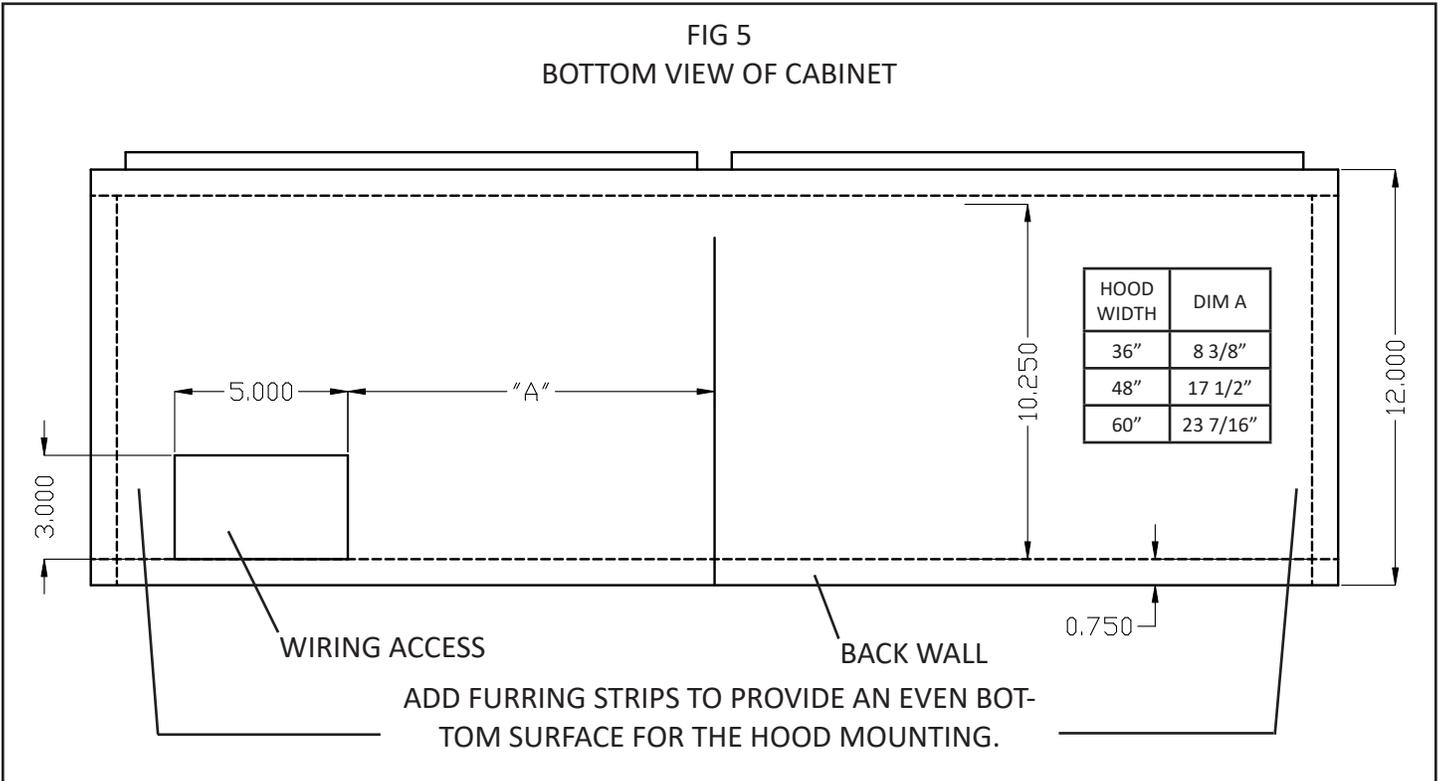


FIG 6

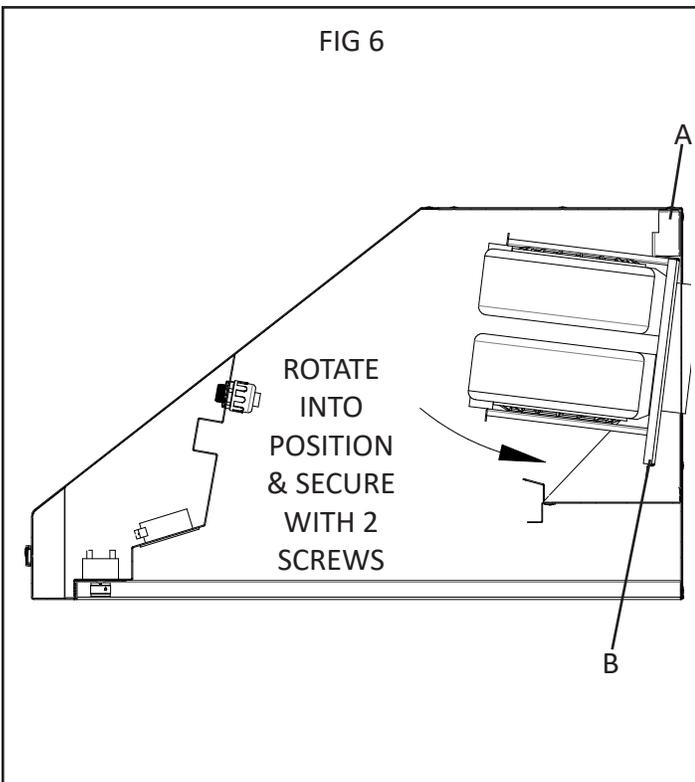


FIG 7

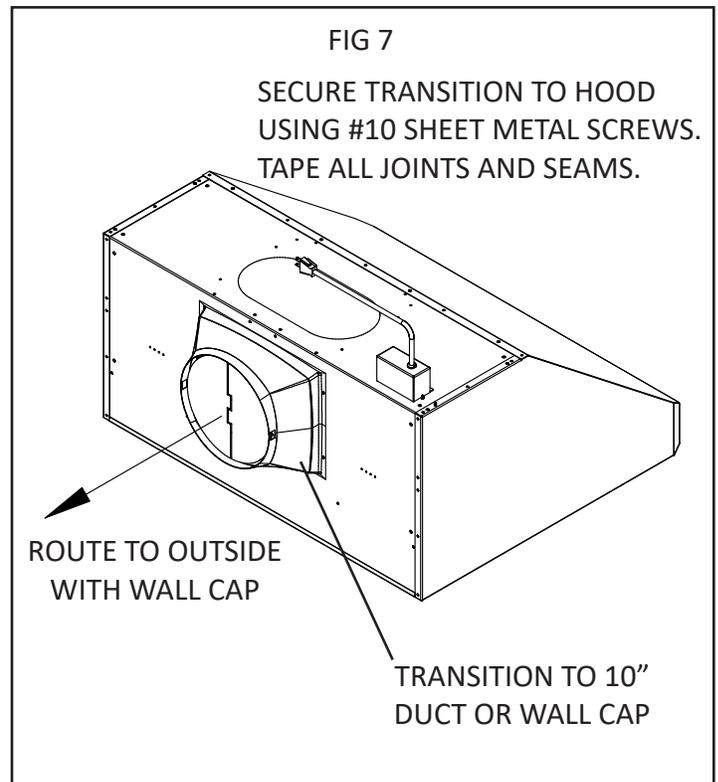
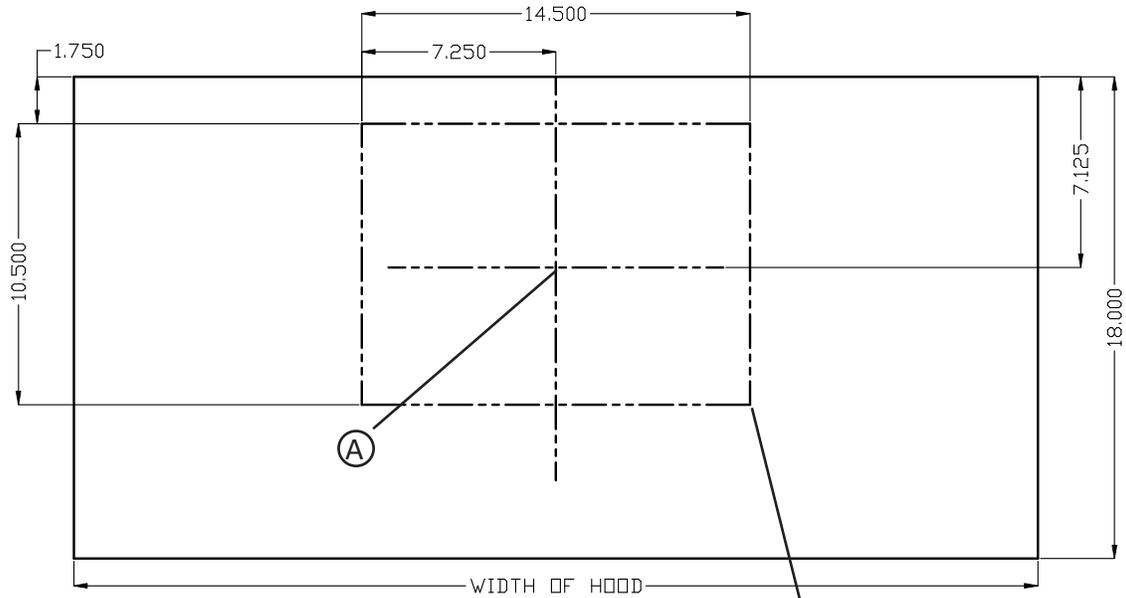


FIG 8  
REAR EXHAUST



Ⓐ = CENTER OF ROUND DUCT USING  
TWIN EAGLES TRANSITION

CUT HOLE IN DRYWALL TO ACCEPT  
TRANSITION

## MOUNTING THE TRANSITION:

FIG 9  
TOP EXHAUST

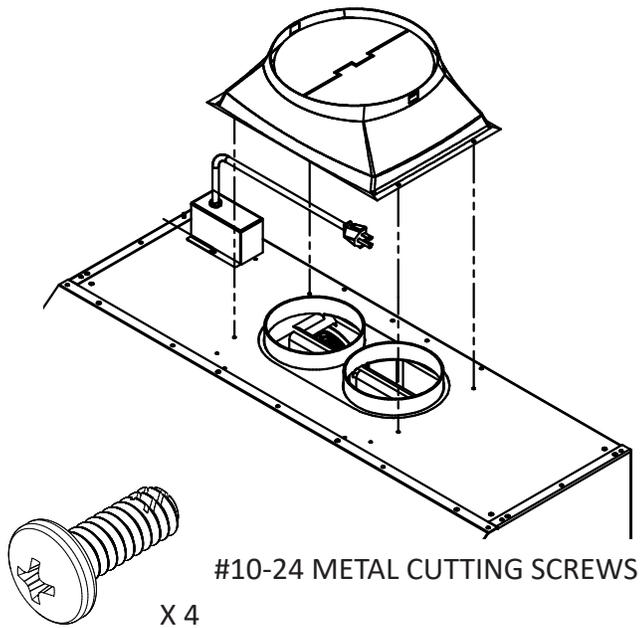
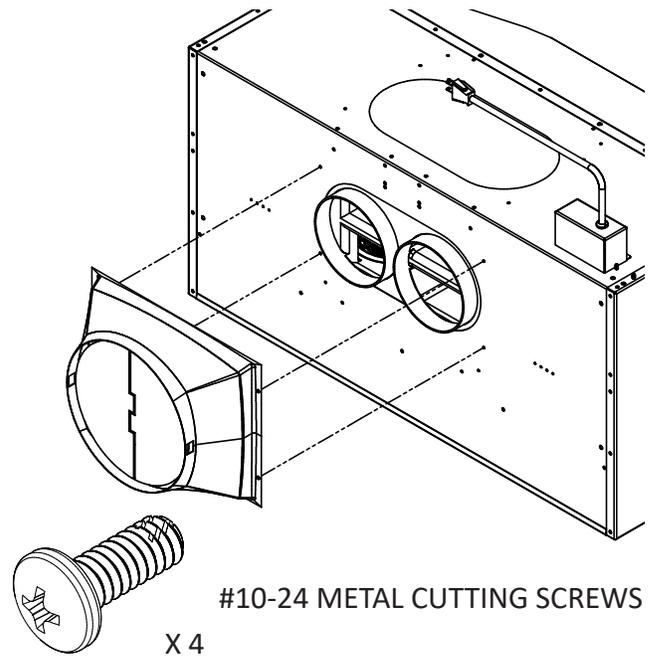


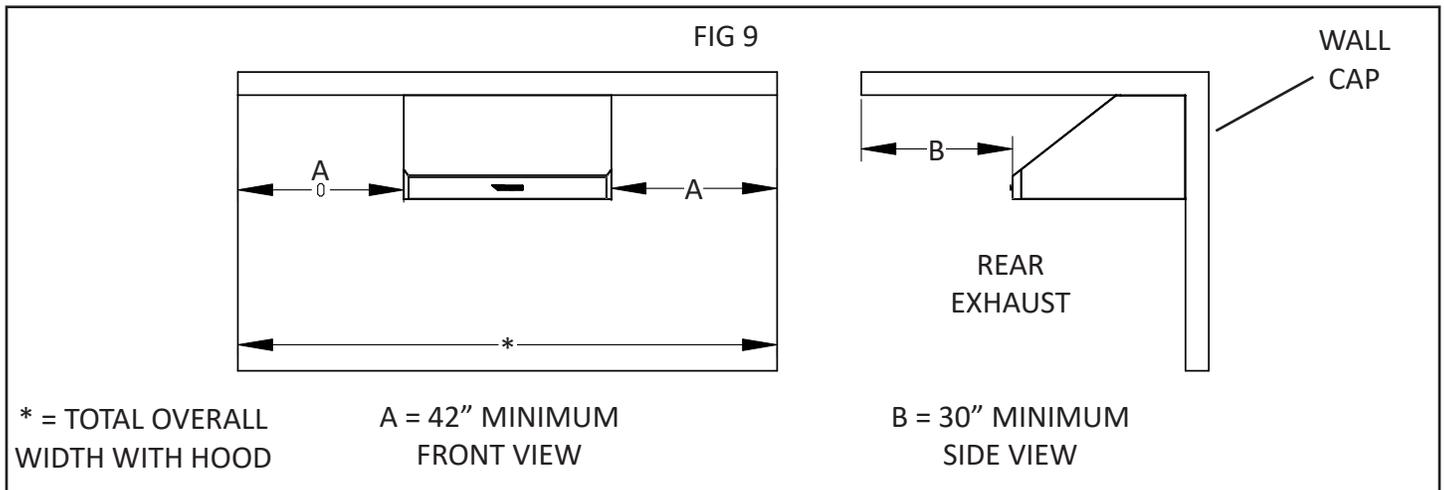
FIG 10  
REAR EXHAUST



## OUTSIDE PATIO or LANAI INSTALLATION

Construction methods and installation shall comply with all local building codes. Internal ducting shall be sealed using outdoor rated metal tape.

The Twin Eagles hood with stainless steel canopy is approved for installation in an outside patio or lanai area if the area is covered with a protective roof over the hood (**wall style hoods are to be also mounted to a solid protective rear wall**) and installed with a GFCI protected branch circuit. Roof or Wall Caps are to be sealed to prevent moisture migration to structure interior; use an outdoor rated sealant suitable for adhesion to the installation materials. See **FIG 6** for rear exhaust installation and **FIG 3** for top exhaust installation.



See FIG 10 for structure with elevated roof / ceiling

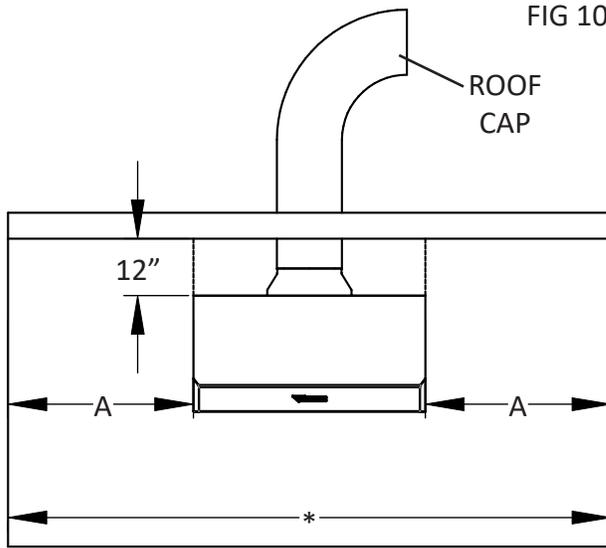
Suitable for use in damp locations when installed in a GFCI protected branch circuit.

The roof shall cover the top of the hood and extend a minimum of 42" from each side of the hood and 30" minimum from the outer edges of the hood front.

Since, outdoor areas are subject to strong cross drafts it is recommended that the hood extend at least 3 inches and preferably 6 inches, over either side of the cooking area to maximize the cooking discharge capture area. Cross drafts will affect the efficiency of the ventilation system and cooking discharge can escape capture by the hood/ventilation system. Be sure to plan for adequate ventilator (blower) capacity to minimize cross drafts influencing the removal of cooking discharges.

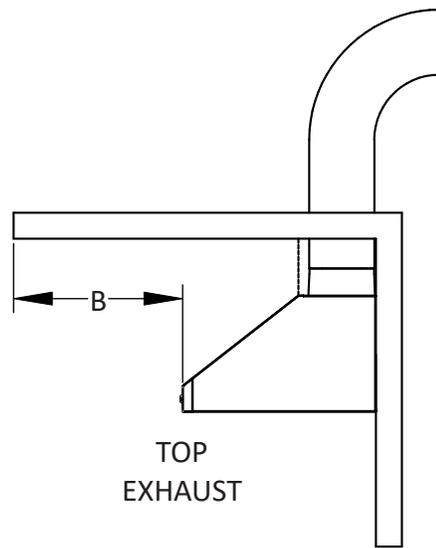
The installation instructions that accompanies the hood shall be followed to ensure all safety instructions and guidelines are adhered to.

FIG 10



\* = TOTAL OVERALL  
WIDTH WITH HOOD

A = 42" MINIMUM  
FRONT VIEW



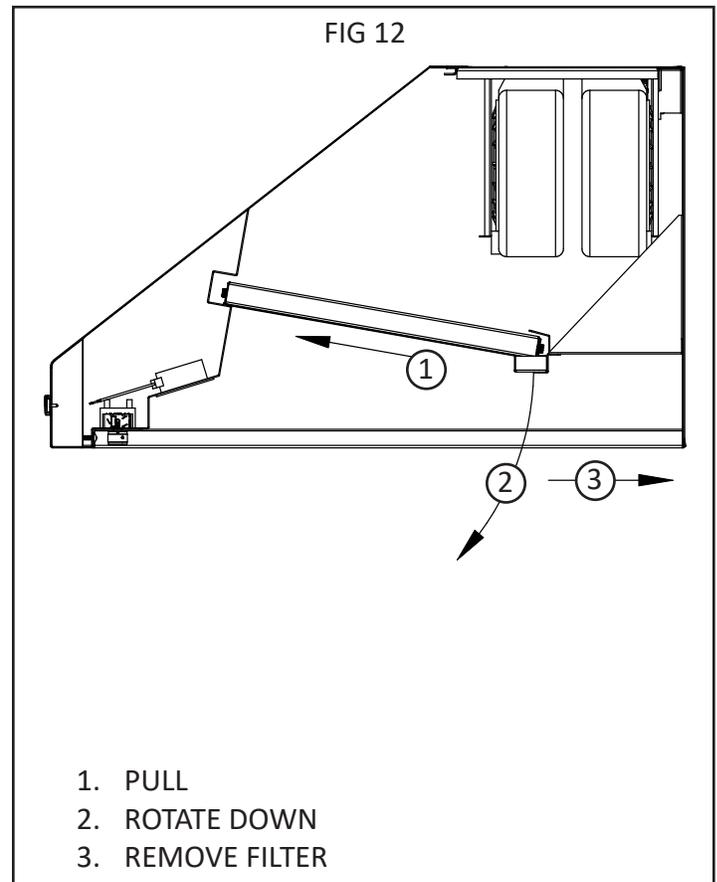
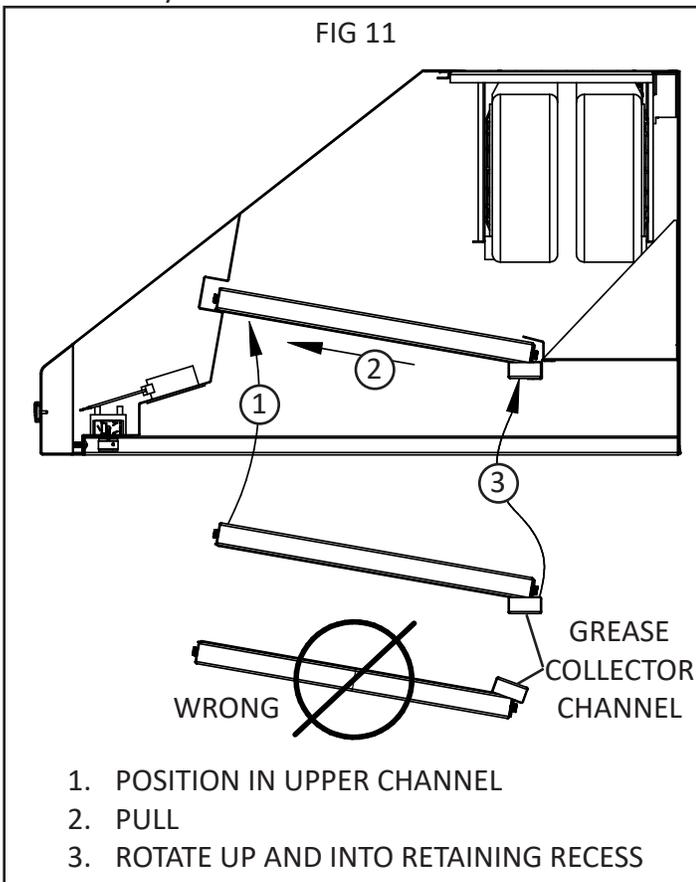
B = 30" MINIMUM  
SIDE VIEW

## BAFFLE FILTER

# INSTALLATION, USE AND CARE

**INSTALLER:** Please leave these installation instructions with unit for the owner.

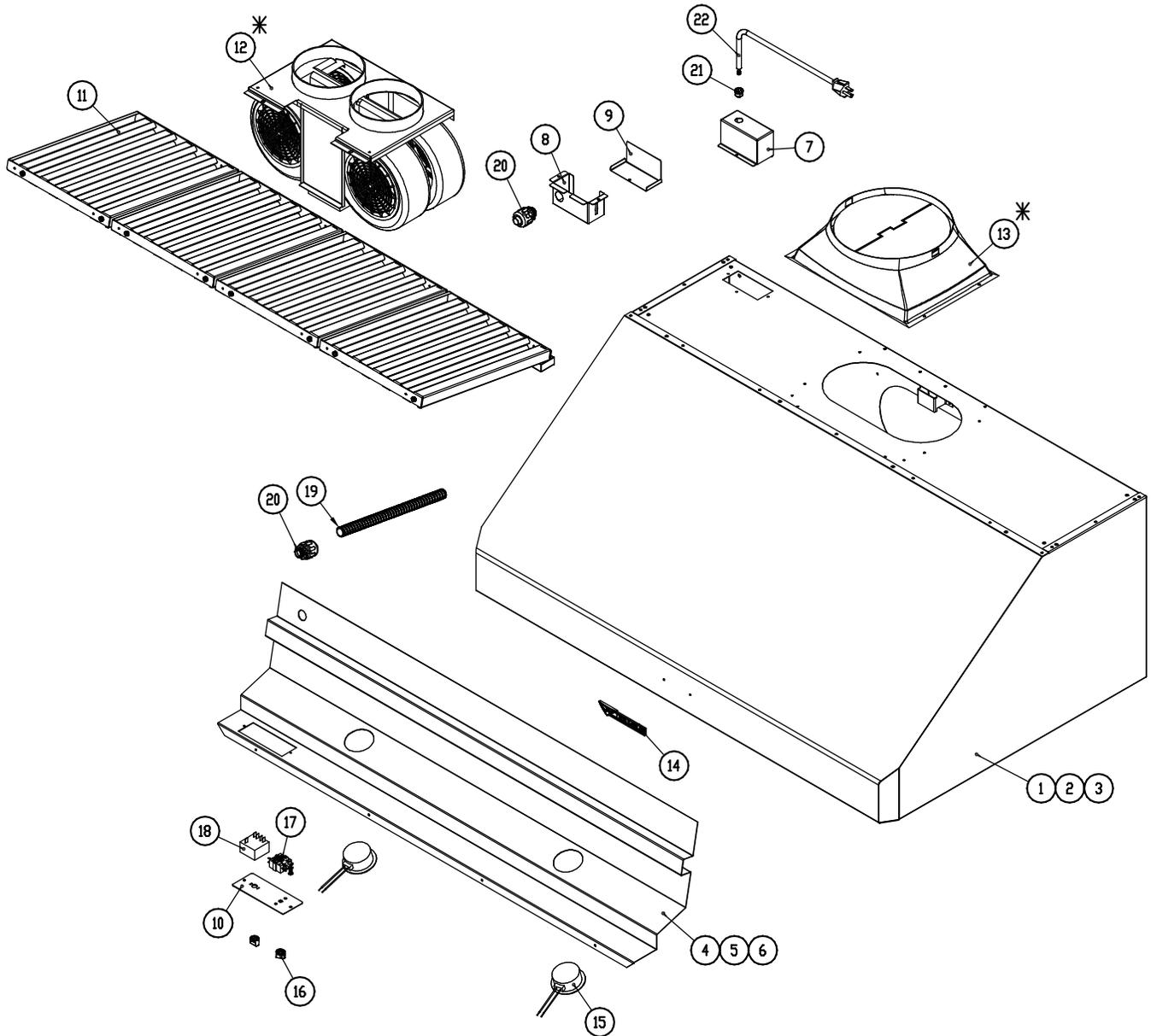
1. Remove all packaging and the protective plastic covering from filters.
2. Grasp the filter by the center baffle, see FIG 11, with the spring end facing you and the grease collector channel is facing down and toward the rear of the hood. Position the spring end of the filter into the upper channel of the front escutcheon, compress the spring by pulling the filter toward you and rotate the rear of the filter up and into the rear retaining recess formed by the rear escutcheon and retaining clip. Release the filter, being sure it is positioned properly in the channels. You should be able to push and pull down on the filter without having it come out of position. You can bend the spring lightly outward if the filter is not pressing securely against the rear escutcheon.
3. The filter has an integral grease collector and is dishwasher safe. To clean your filter simply grasp the filter by its center baffle, pull toward the front of the hood and rotate the rear of the filter down and away from the hood, see FIG 12.
4. For best dishwasher results, position the filters in the dishwasher rack with the baffles positioned horizontally.



**BACKDRAFT DAMPER:** It is recommended that a backdraft damper in all installations. In cold weather installations it is necessary to use a backdraft damper to minimize backflow of cold air into the room. A non-metallic thermal break should also be used to minimize conduction of outside temperatures through the ductwork. The thermal break should be located as close as possible to where the ducting enter the heater portion of the room.

TEVH-C

# EXPLODED VIEW



\* - #12 AND #13 SOLD SEPARATELY

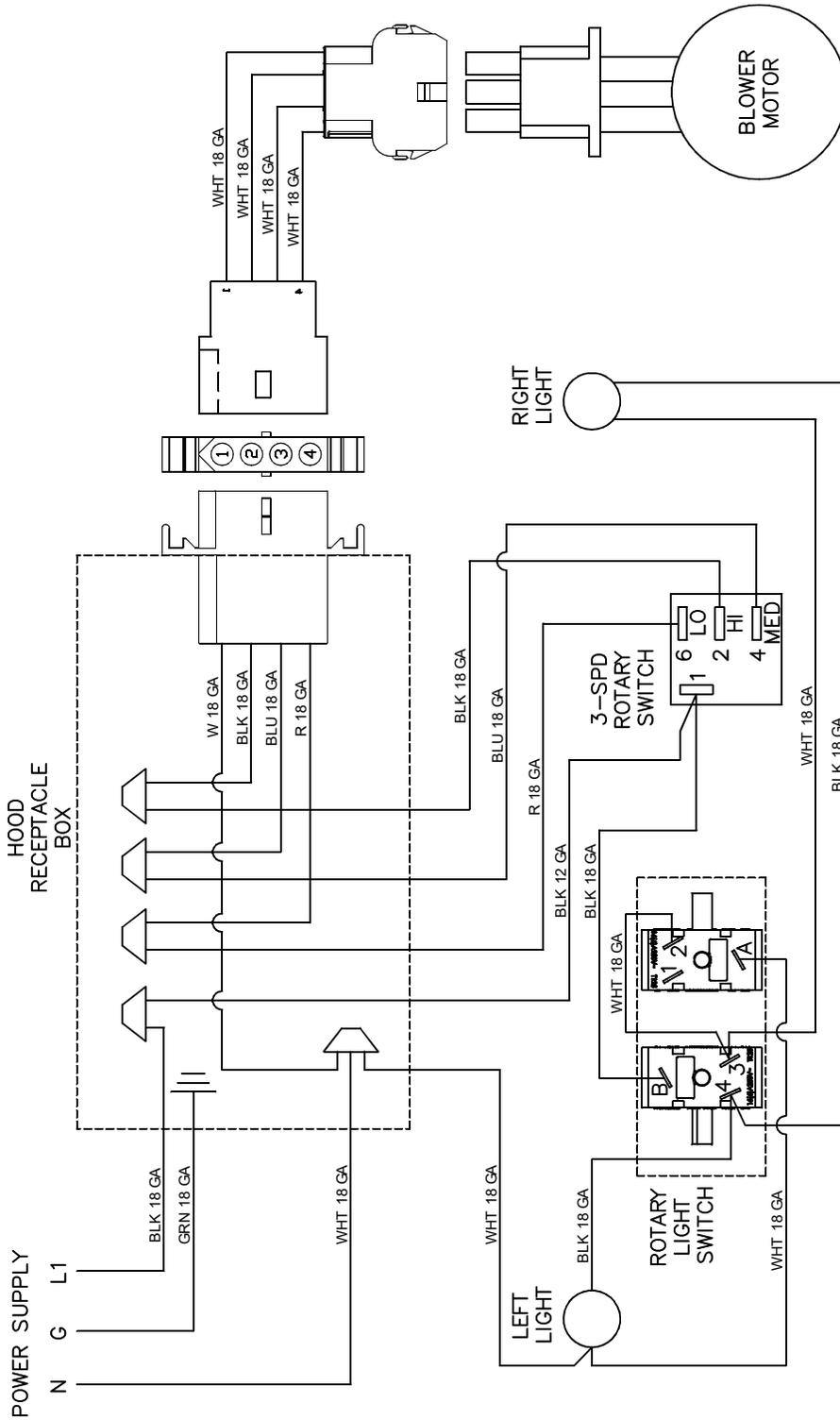
TEVH-C

## REPLACEMENT PARTS LIST

ITEM NO.	PART NUMBER	DESCRIPTION	TEVH36-C	TEVH48-C	TEVH60-C
1	S21160-36Y	36" VENT HOOD ASSEMBLY	1	-	-
2	S21160-48Y	48" VENT HOOD ASSEMBLY	-	1	-
3	S21160-60Y	60" VENT HOOD ASSEMBLY	-	-	1
4	S21166-36Y	36" CONTROL PANEL ASSEMBLY	1	-	-
5	S21166-48Y	48" CONTROL PANEL ASSEMBLY	-	1	-
6	S21166-60Y	60" CONTROL PANEL ASSEMBLY	-	-	1
7	S21167	RECEPTACLE BOX COVER	1	1	1
8	S21171	ELECTRICAL BOX BODY	1	1	1
9	S21172	ELECTRICAL BOX COVER	1	1	1
10	S21173	SWITCH PANEL	1	1	1
11	S21164Y	BAFFLE FILTER ASSEMBLY	3	4	5
12*	S16477	BLOWER MOTOR ASSEMBLY (SOLD SEPARATELY)	1	1	1
13*	S13166	VENT HOOD DAMPER (SOLD SEPARATELY)	1	1	1
14	S13203	TWIN EAGLES EMBLEM	1	1	1
15	S16494	HALOGEN LIGHT	2	2	2
16	S13501	HIGH TEMP CONTROL KNOB	2	2	2
17	S16493	3-POS ROTARY SWITCH	1	1	1
18	S16492	4-POS ROTARY SWITCH	1	1	1
19	S14536-24	HEAVY DUTY FLEXIBLE CONDUIT	1	1	1
20	S14537	HEAVY DUTY CONNECTOR	2	2	2
21	S16112	STRAIN RELIEF	1	1	1
22	S16111Y	ELECTRICAL CORD ASSEMBLY	1	1	1
PARTS NOT SHOWN					
23	S16482	WIRE HARNESS, VENT HOOD ADAPTER	1	1	1
24	S16496	WIRE HARNESS, LIGHT SWITCH TO BLOWER MOTOR	1	1	1
25	S16497	WIRE HARNESS, RECEPTACLE PLUG	1	1	1
26	S16498	WIRE HARNESS, BM ROTARY HI TO RECEPTACLE PLUG	1	1	1
27	S16499	WIRE HARNESS, BM ROTARY LOW TO RECEPTACLE PLUG	1	1	1
28	S16501	WIRE HARNESS, BM ROTARY MID TO RECEPTACLE PLUG	1	1	1
29	S16502-36	WIRE HARNESS, SWITCH TO LH AND RH LIGHT, 36	1	-	-
30	S16502-48	WIRE HARNESS, SWITCH TO LH AND RH LIGHT, 48	-	1	-
31	S16502-60	WIRE HARNESS, SWITCH TO LH AND RH LIGHT, 60	-	-	1
32	S16503-36	WIRE HARNESS, SWITCH WITH BRIDGE TO LH LIGHT, 36	1	-	-
33	S16503-48	WIRE HARNESS, SWITCH WITH BRIDGE TO LH LIGHT, 48	-	1	-
34	S16503-60	WIRE HARNESS, SWITCH WITH BRIDGE TO LH LIGHT, 60	-	-	1
35	S16504-36	WIRE HARNESS, SWITCH WITH BRIDGE TO RH LIGHT, 36	1	-	-
36	S16504-48	WIRE HARNESS, SWITCH WITH BRIDGE TO RH LIGHT, 48	-	1	-
37	S16504-60	WIRE HARNESS, SWITCH WITH BRIDGE TO RH LIGHT, 60	-	-	1

TEVH-C

# WIRING DIAGRAM





TWIN EAGLES

TEVH-C

## WARRANTY

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**LIMITED TWO YEAR WARRANTY:** Twin Eagles warrants the Vent Hood to be free from defects in materials and workmanship under normal residential use for a period of two years from the original date of purchase. The actual part will be repaired or replaced, free of charge, with the owner paying for all other costs including labor, shipping and handling.

**ONE-YEAR FULL WARRANTY:** Twin Eagles warrants the Vent Hood and all other components to be free from defects in materials and workmanship under normal residential use for a period of one year from the original date of purchase. Twin Eagles will repair or replace parts found to be defective at no cost to the original purchaser. Warranty service must be performed by a Twin Eagles authorized representative during normal business hours.

**NINETY (90) DAY RESIDENTIAL PLUS WARRANTY:** This warranty applies to applications where use of the product extends beyond normal residential use such as bed and breakfast inn and private clubs. The actual part will be repaired or replaced, free of charge, with the owner paying for all other costs including labor, shipping and handling. This warranty excludes all commercial locations such as restaurants and food service locations.

### WARRANTY LIMITATIONS & EXCLUSIONS

This warranty shall apply only to the products purchased and located in the continental United States and Canada. The warranty coverage begins on the original date of purchase and proof of date of purchase is required. To activate the warranty, we require that you send in the attached warranty registration card. This warranty applies only to the original owner and may not be transferred.

This warranty excludes discoloration, surface scratches, weather and atmospheric related staining, and minor surface rust and oxidation which are normal conditions and are to be expected with any outdoor product. This warranty does not apply to damages resulting from negligence, alteration, misuse, abuse, accident, natural disaster, loss of electrical power to the product for any reason, improper installation or improper operation, unauthorized adjustments or calibrations, dings, dents, scratches, or damages due to harsh cleaning chemicals. This warranty does not apply to commercial use, or to products with altered or removed serial numbers. Display models are generally sold "as is" and are subject to the following warranty exclusions: missing components, scratches, dents and other exterior or cosmetic damages, electrical, gas and ignition system. Twin Eagles shall not be liable for incidental, consequential, special or contingent damages resulting from its breach of this written warranty or any implied warranty.

**WARRANTY SERVICE & REPLACEMENT PARTS:** Call your authorized selling dealer or call Twin Eagles directly at (562) 263-3600. Be prepared to furnish the following information: Purchaser's name, model and serial number of the Vent Hood, date of purchase and the accurate description of the problem. Twin Eagles will not pay for service calls for correcting an installation problem. Owner shall be responsible for proper installation, providing normal care and maintenance, providing proof of purchase upon request and making the side burner accessible for service. In the event of any warranty replacement, all removal, replacement, installation and shipping costs are the responsibility of the owner.

Some states do not allow limitations on how long an implied warranty lasts, or the exclusions of or limitations on consequential damages. This warranty gives you specific legal rights and you may have other rights, which vary from state to state.

## SERVICE

# HOW TO OBTAIN

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For service, please contact your Twin Eagles dealer or call Twin Eagles direct at (562) 263-3600 or fax (562) 802-3391

Mailing address:

Twin Eagles, Inc.  
13259 East 166th Street  
Cerritos, CA 90703

Visit us at [www.twineaglesgrills.com](http://www.twineaglesgrills.com)

Please provide:

- Model number
- Serial Number (located on the inner left hand face of the vent hood. Remove left most Filter Baffle to access Data Plate)
- Date of Purchase
- A description of the problem



# TWIN EAGLES

INNOVATION AND INSPIRATION ON FIRE™

## WARRANTY REGISTRATION

Customer Name:	Model #:
Address:	Serial #:
City, State:	Date Purchased:
Zip:	Dealer's Name:
Phone #:	Dealer's Address:
E-mail:	

This warranty registration card must be returned within thirty days of purchase to properly activate your warranty. This information is for our internal use only.

Or you may register online at <https://twineaglesgrills.com/about-us/contact-us/>

CUT HERE

P/N: 24379B 05/21

Place  
Postage  
Here



TWIN EAGLES

INNOVATION AND INSPIRATION ON FIRE™

Customer Service  
ATTN: Warranty Department  
13259 East 166th Street  
Cerritos, CA 90703

Fax no. (562) 802-3391