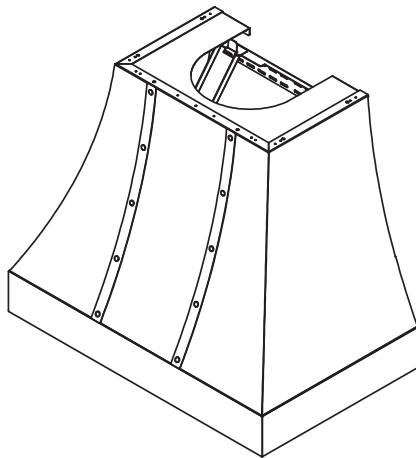
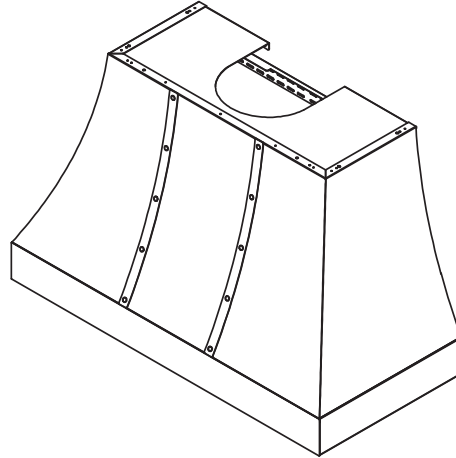
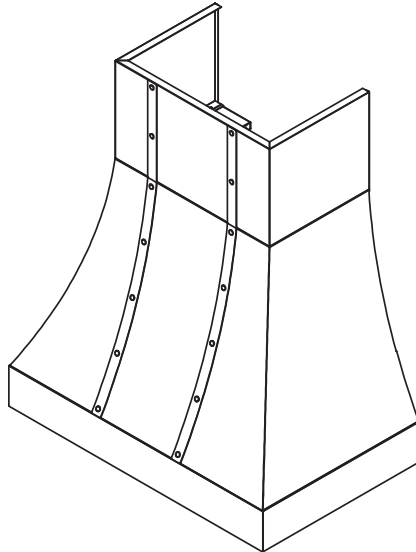
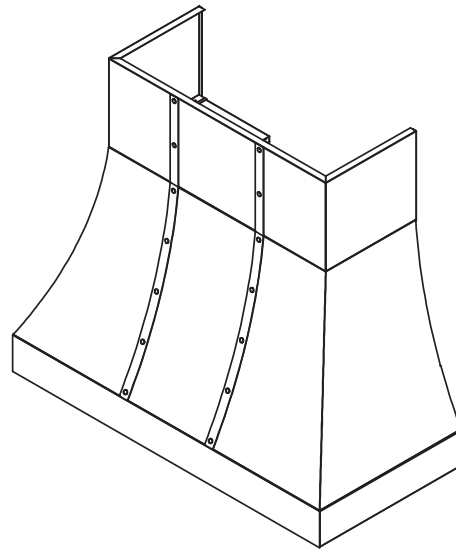


# Alto Custom Hood Installation Instructions

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**CHAL36ASX****CHAL48ASX****CHAL36ASX + DC23612AS**  
(with optional duct cover)**CHAL48ASX + DC24812AS**  
(with optional duct cover)

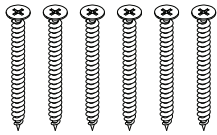
# Product Specifications

## List of Materials

### Hood Installation Screws



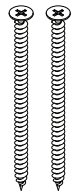
(10) M4 x 8



(6) #10 x 2"



(6) 3/16 x 1/2



(2) #10 x 3"



(8) 5 x 14 x 1

### Hood Banding Hardware

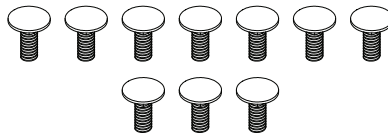


(10) Ø11\*10.3 bushings



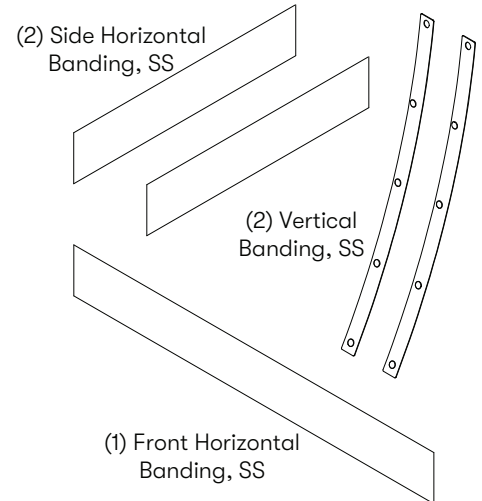
(10) M6

### Hood Rivet Bolts, SS



(10) M6

### Hood Banding Components



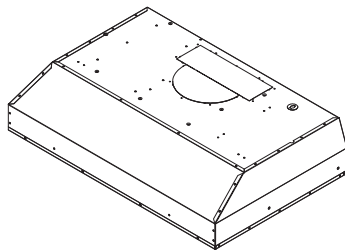
(2) Side Horizontal  
Banding, SS

(2) Vertical  
Banding, SS

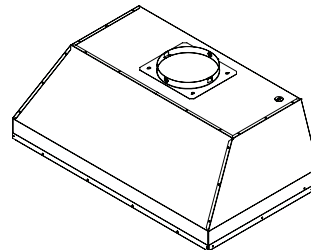
(1) Front Horizontal  
Banding, SS

## Hood Insert Compatibility

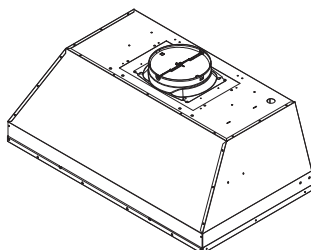
Below are the hood inserts compatible with the Alto custom hood. The inserts are sold separately.



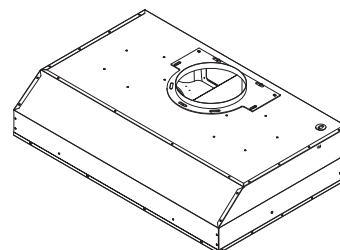
AK9134xS - CHAL36ASX



AK9234xS - CHAL36ASX  
AK9246xS - CHAL48ASX

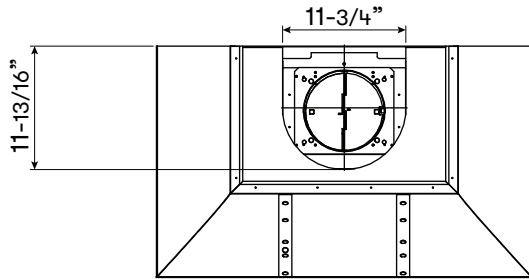


AK9434xS - CHAL36ASX  
AK9446xS - CHAL48ASX

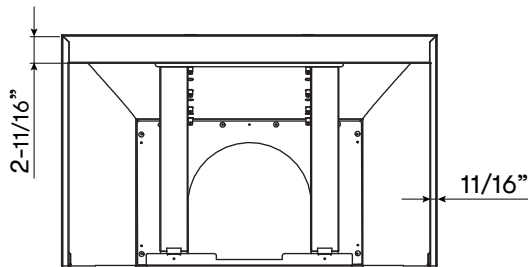


AK9534xS - CHAL36ASX  
AK9546xS - CHAL48ASX

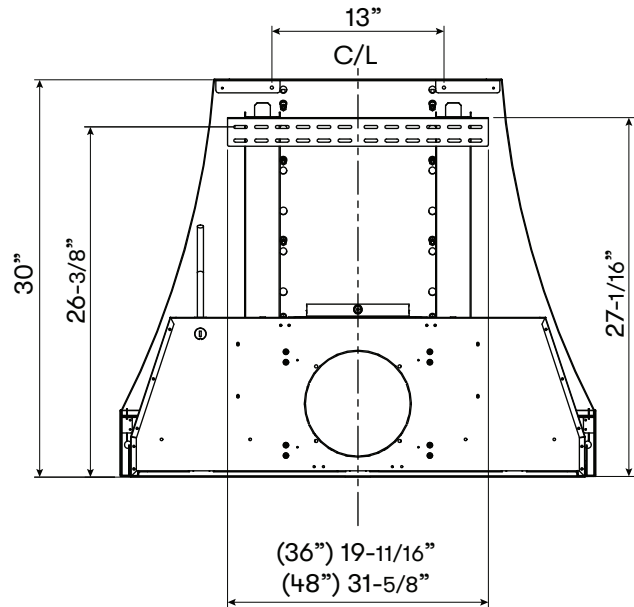
## Dimensions



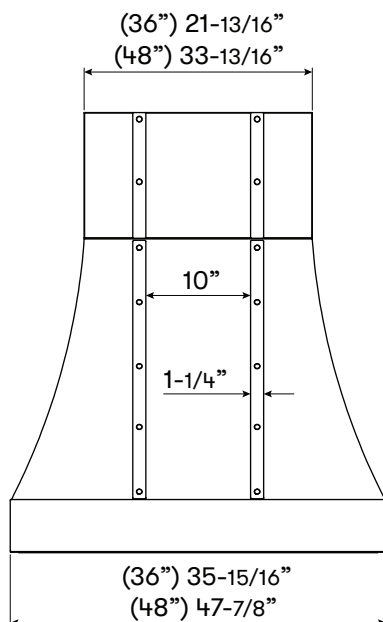
TOP



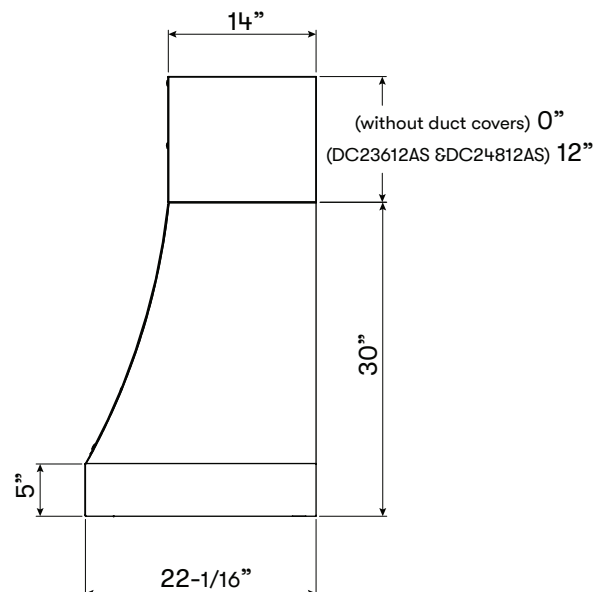
BOTTOM



BACK



FRONT

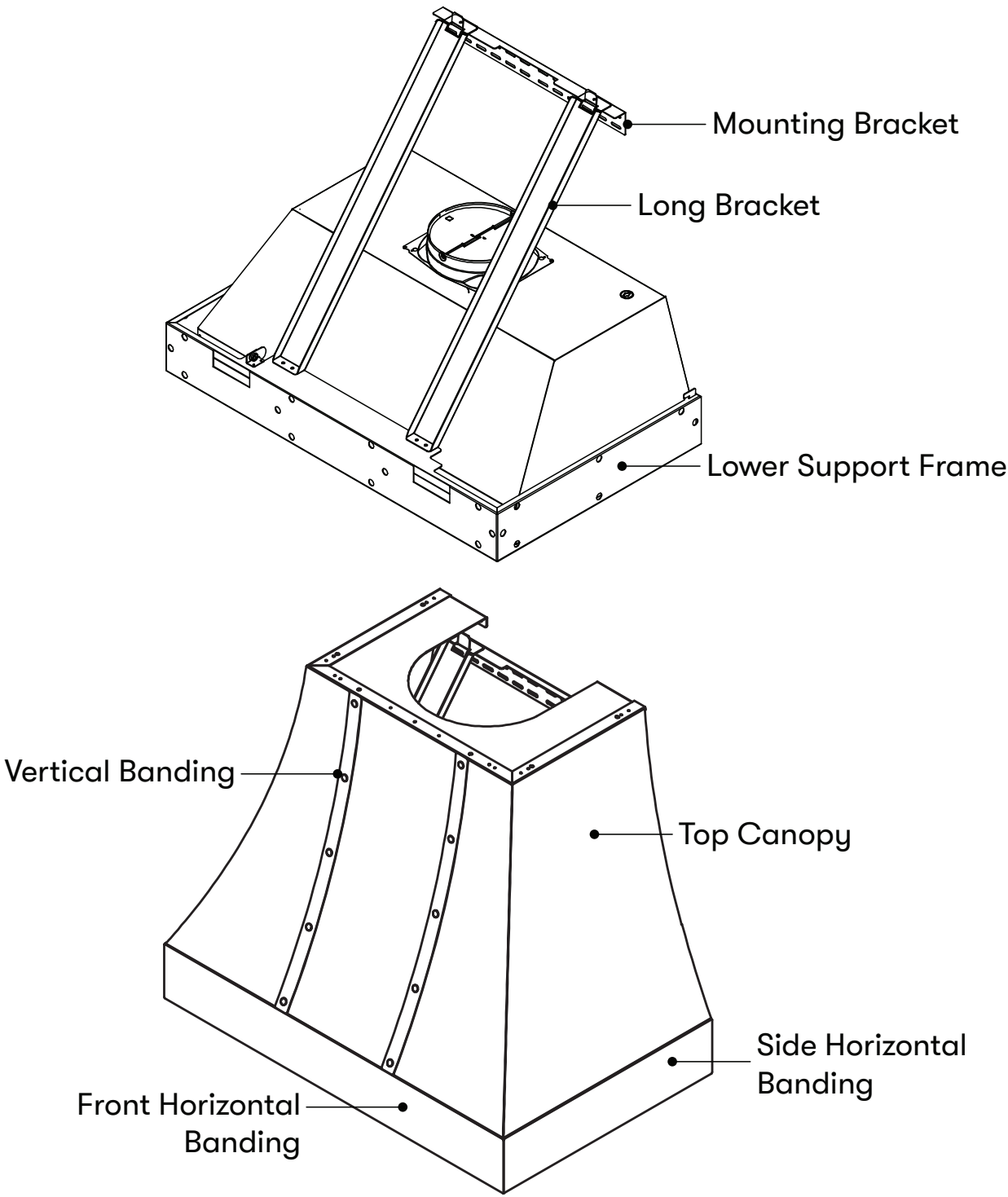


SIDE

**NOTE:** The duct cover accessories are sold separately.

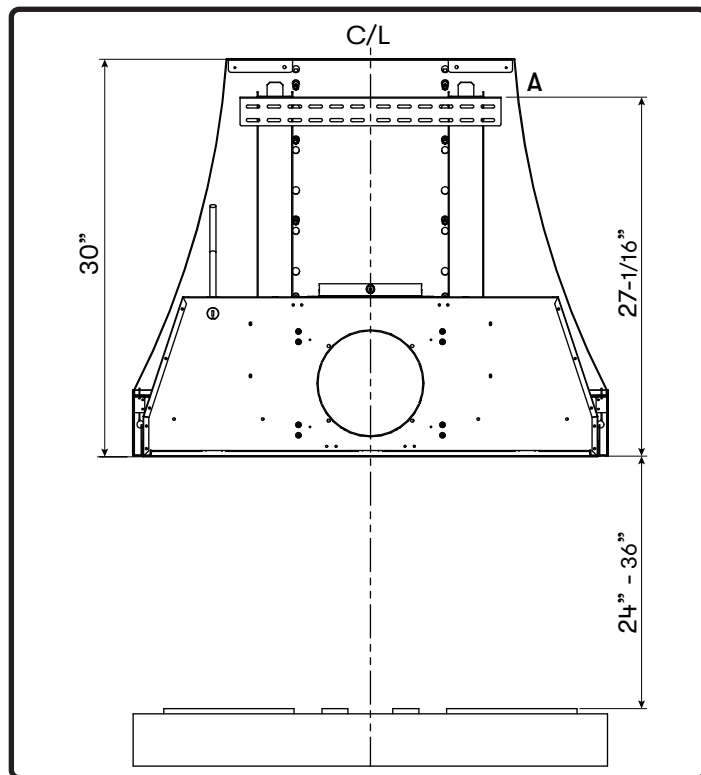
# Product Specifications

## Part Identification



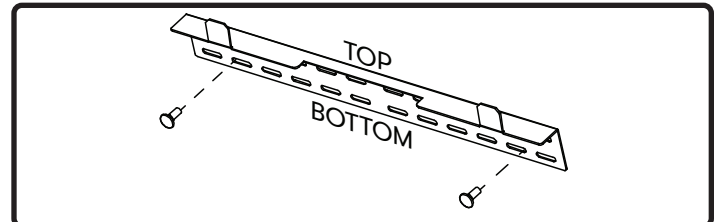
## Installing the Alto Custom Hood

Refer to the installation manual of your specific hood insert and read all warnings prior to installing your product. To install the Alto Custom Metal Hood, CHAL-A, please follow the instructions below.

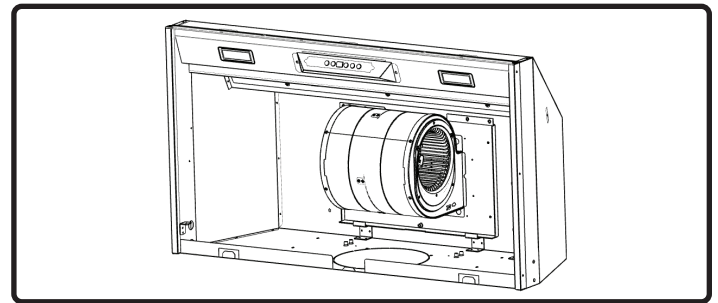


1. Determine the hood mounting height above the cooking surface, 24" - 36". Add 27-1/16" to this number and mark Line A, which is where the top of the mounting bracket should be installed.

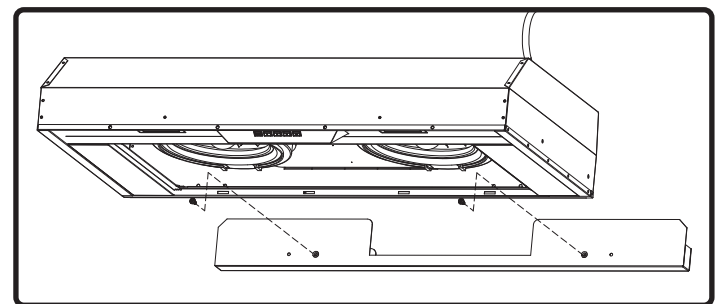
**NOTE:** If the optional 12" duct cover is used, factor its height when mounting and adjust accordingly.



2. Center, level, and install the mounting bracket for the custom hood onto the wall by using (2) #10 x 3" screws with (2) 5 x 14 x 1 washers. Make sure to secure the screws into wall studs. Ensure the hooks on the mounting bracket are pointed upward.



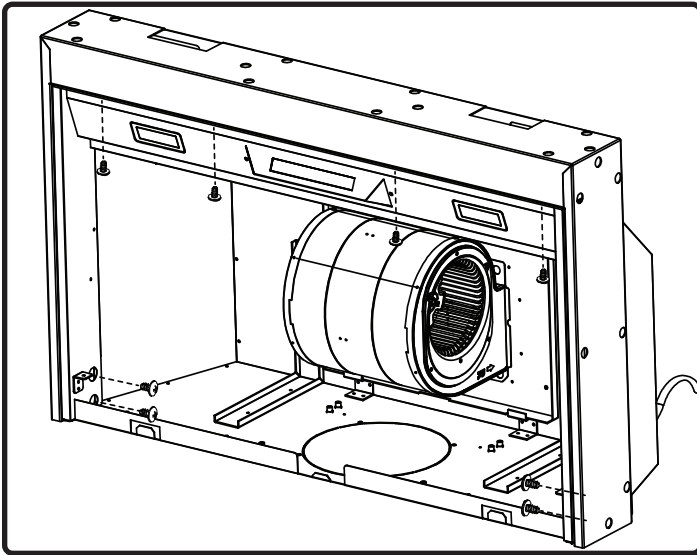
3. Prepare your Zephyr hood insert (sold separately) by following the instructions included with the insert. The filters and any panels, such as side or bottom panels, will need to be removed prior to installing the insert into your Alto custom hood.



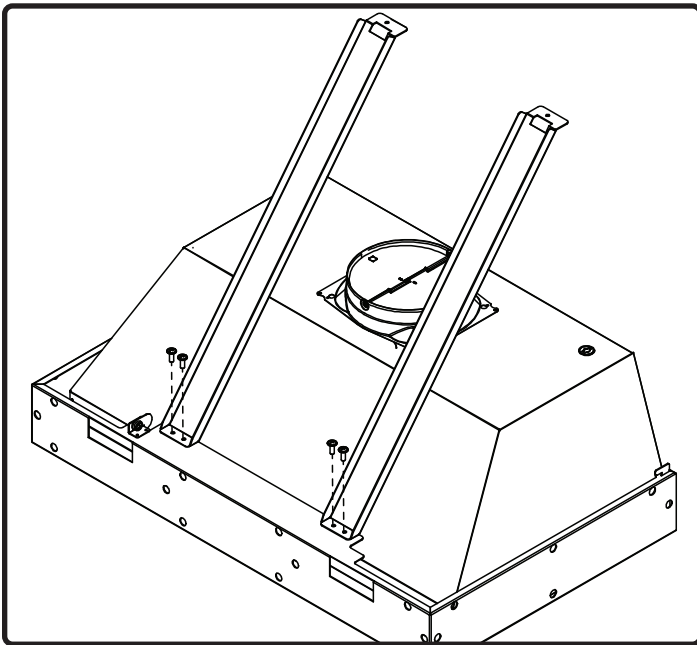
4. This step applies to insert models AK91 & AK95 only. For models AK92 & AK94, skip to the next step. Secure the filler panel to the back of the insert using (2) 3/16 x 1/2 screws.

# Installation Instructions

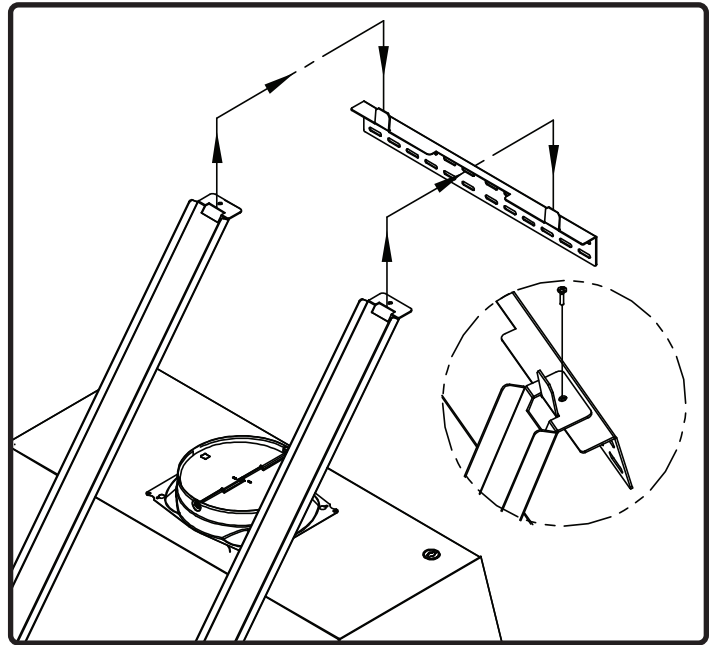
## Installing the Alto Custom Hood



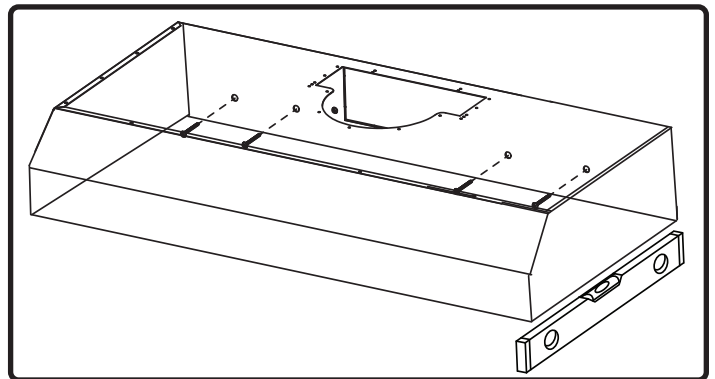
5. Lay the hood insert back on a stable surface before placing the lower support frame on top of the insert and securing it with (8) M4 x 8 screws; (4) screws in the front and (2) screws per side.



6. Place the hood insert right side up and secure two long brackets by (4) 3/16 x 1/2 screws; (2) screws per bracket.



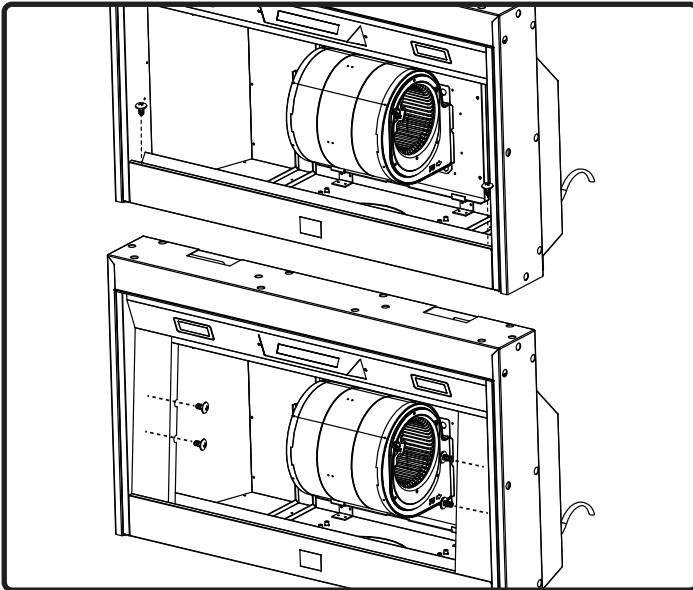
7. Lift the hood insert and latch the open slots from the long bracket onto the hooks on the mounting bracket. Secure the brackets with (2) M4 x 8 screws.



8. Use a spirit level to ensure the bottom portion of the lower support frame is level. Ensure back to front and left to right are level. Further secure the hood insert by installing (4) #10 x 2" screws with (4) 5 x 14 x 1 washers through the insert and into the wall.

**NOTE:** The hood must be level prior to installing the top canopy. Failure to level the hood may result in misalignment of the top canopy and front and side horizontal banding.

## Installing the Alto Custom Hood



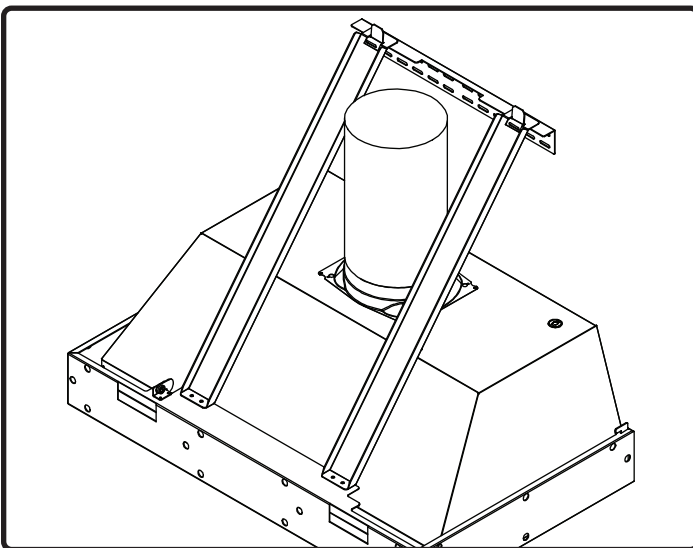
9. Reinstall all panels to the hood insert by following the instructions from the insert manual in reverse.



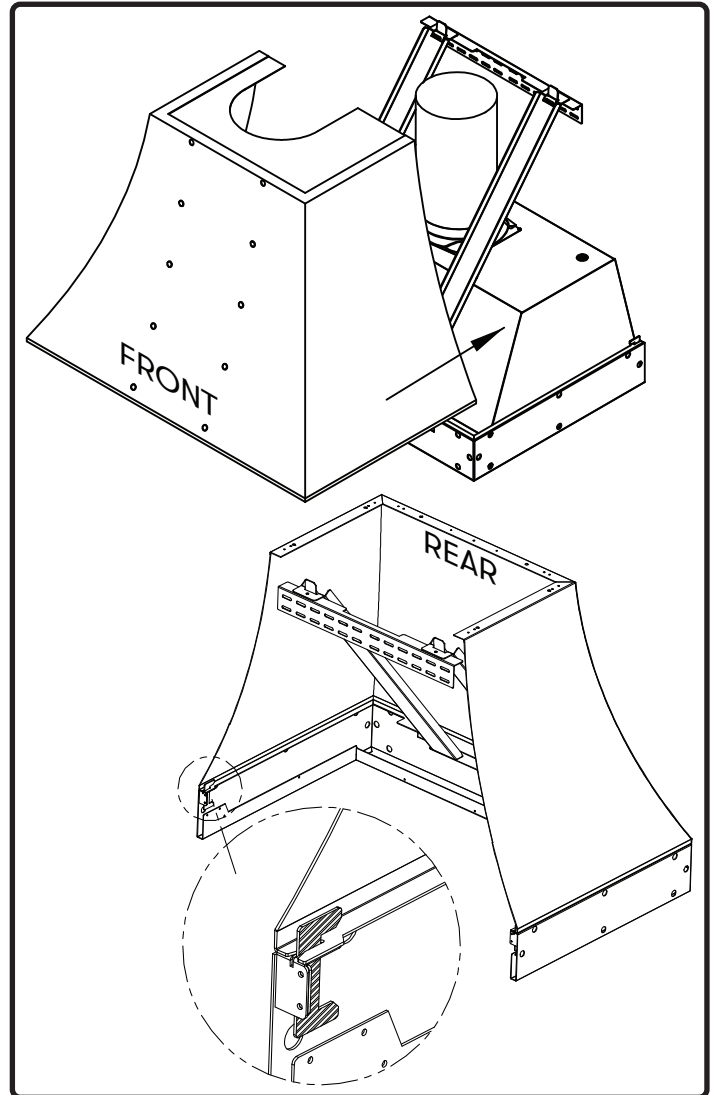
### WARNING



Electrical wiring must be done by qualified person(s) in accordance with all applicable codes and standards. Turn off electrical power at service entrance before wiring.



10. Connect the hood insert to power and ducting. Refer to the hood insert installation manual for detailed instructions.



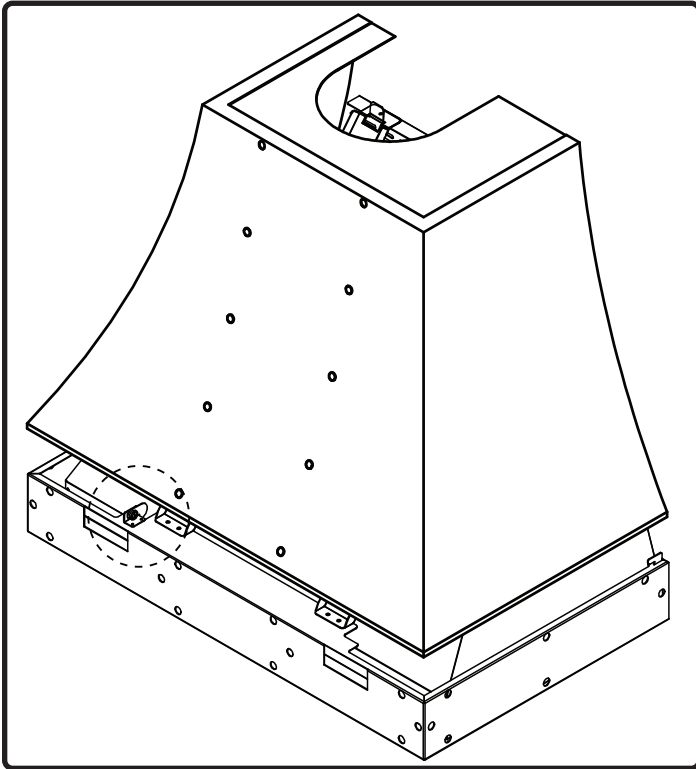
11. Install the top canopy. Each side on the bottom of the top canopy has a small notch that slides over a hook and attaches to the lower support frame.

**NOTE:** If installing an optional duct cover, first assemble the duct cover banding and then attach it to the top canopy. Complete this assembly before installing it to the bottom trim. See the duct cover assembly instructions for more information.

# Installation Instructions

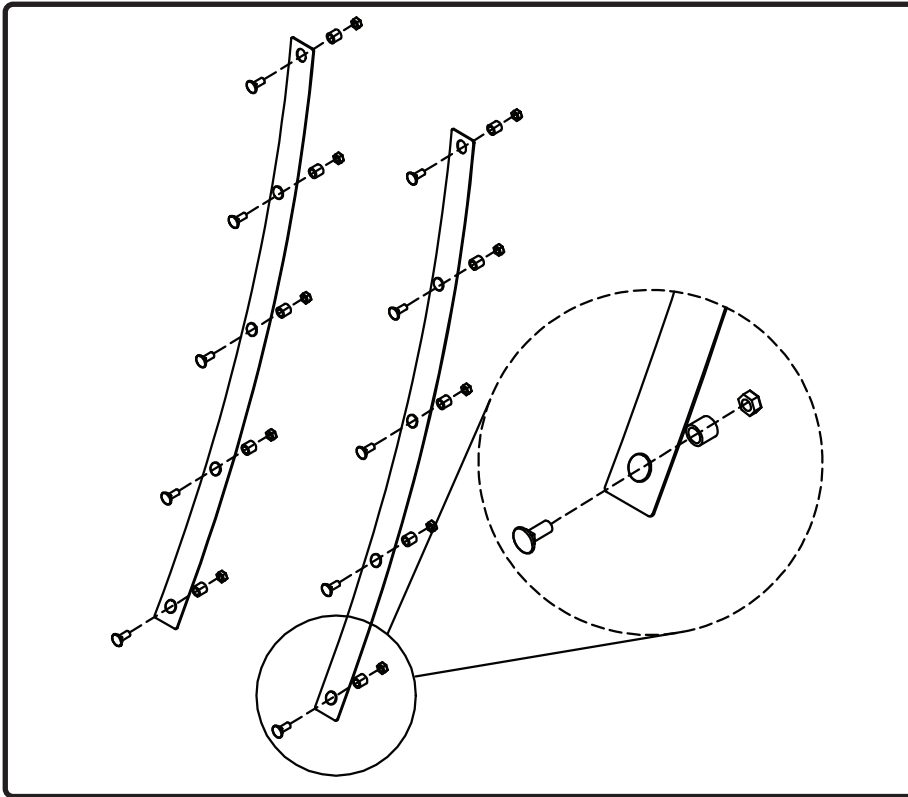
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## Installing the Alto Custom Hood



12. To prevent the top canopy from being pulled forward, ensure the two C-hooks on the front bottom of the top canopy is secured to the lower support frame. The C-hooks will rotate and latch onto the lower support frame.
13. If the top canopy needs to be removed, first remove the front horizontal banding (if applied) and unlatch the C-hooks, releasing the top canopy from the lower support frame.

## Installing the Banding

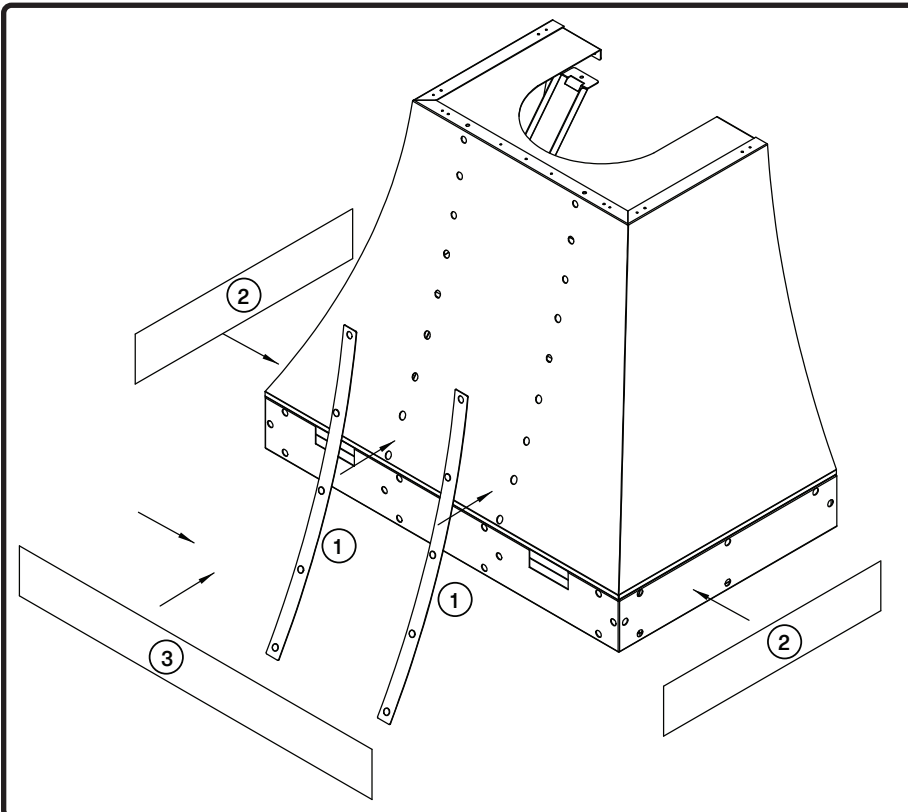


1. The banding is assembled by inserting an M6 hood rivet bolt through the banding rivet hole and secured on the other side with an 11\*10.3 bushing and M6 nut. Repeat this process for every hole on each banding.
2. Install the banding by inserting it into the top canopy. The magnets on the top canopy will secure the banding.

**NOTE:** If the rivets are not lining up with the holes on the Alto body while installing the bands, flip the bands around and retry.

3. Attach the side trims onto the hood insert trim followed by the front trim. The hood insert trim will be secured by the built-in magnets.

**NOTE:** The front and side trims have a polished and brushed side. Adhere the brushed side against the magnets.



# Maintenance

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## Cleaning the Alto Custom Metal Hood

Clean periodically with warm soapy water and a clean cotton cloth or micro fiber cloth. Always rub in the direction of the stainless steel grain. To remove heavier grease build up use a liquid degreaser detergent. While cleaning, carefully clean around the areas with the banding as some of the bands are held up magnetically, which may fall off if cleaning too vigorously.

After cleaning, use a non-abrasive stainless steel polish/cleaners to polish and buff out the stainless luster and grain. Always scrub lightly with a clean cotton cloth or micro fiber cloth and buff in the direction of the stainless steel grain.

- ▶ Do not use corrosive detergents, abrasive detergents or oven cleaners.
- ▶ Do not use any product containing chlorine bleach or any product containing chloride.
- ▶ Do not use steel wool or abrasive scrubbing pads which will scratch and damage surface.

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| Optional Accessories                                  | Part Number |
|-------------------------------------------------------|-------------|
| Alto Duct Cover, 36in, 12in tall, SS, with SS Banding | DC23612AS   |
| Alto Duct Cover, 48in, 12in tall, SS, with SS Banding | DC24812AS   |
| Alto Hood Banding Kit, 36in, Polished Gold            | BKAL36APG   |
| Alto Hood Banding Kit, 36in, Polished Copper          | BKAL36APC   |
| Alto Hood Banding Kit, 48in, Polished Gold            | BKAL48APG   |
| Alto Hood Banding Kit, 48in, Polished Copper          | BKAL48APC   |
| Alto Duct Cover Banding Kit, 12in, Polished Gold      | BKDC212APG  |
| Alto Duct Cover Banding Kit, 12in, Polished Copper    | BKDC212APC  |

To order parts, visit us online at <http://store.zephyronline.com>.

# Limited Warranty

**TO OBTAIN SERVICE UNDER WARRANTY OR FOR ANY SERVICE RELATED QUESTIONS**  
**United States Customers please call: 1-888-880-8368 or contact us at: [zephyronline.com/contact](http://zephyronline.com/contact)**  
**Canada Customers please call: 1-888-812-8311 or Email: [ven-tech@broan.com](mailto:ven-tech@broan.com)**

**Zephyr Ventilation, LLC (referred to herein as “we” or “us”) warrants to the original consumer purchaser (referred to herein as “you” or “your”) of Zephyr products (the “Products”) that such Products will be free from defects in materials or workmanship as follows:**

**Two Year Limited Warranty for Parts:** For two years from the date of your original purchase of the Products, we will provide, free of charge, Products or parts to replace those that failed due to manufacturing defects subject to the exclusions and limitations below. We may choose, in our sole discretion, to repair or replace parts before we elect to replace the Products.

**To Obtain Service Under Limited Warranty:** To qualify for warranty service, you must: (a) notify us at the address or telephone number stated below within 60 days of the discovery of the defect; (b) give the model number and serial number (if applicable); and (c) describe the nature of any defect in the Product or part. At the time of the request for warranty service, you must present evidence of your proof of purchase and proof of the original purchase date. If we determine that the warranty exclusions listed above apply or if you fail to provide the necessary documentation to obtain service, you will be responsible for all shipping and other costs related to the services. This warranty is not extended or restarted upon warranty repair or replacements.

**Warranty Exclusions:** This warranty covers only repair or replacement, at our option, of defective Products or parts and does not cover any other costs related to the Products including but not limited to: (a) normal maintenance and service required for the Products and consumable parts such as gaskets, filters, light bulbs, fuses; (b) any Products or parts which have been subject to freight damage, misuse, negligence, accident, faulty installation or installation contrary to recommended installation instructions, improper maintenance or repair (other than by us); (c) commercial or government use of the Products or use otherwise inconsistent with its intended purpose; (d) natural wear of the finish of the Products or wear caused by improper maintenance, use of corrosive and abrasive cleaning products, pads, and oven cleaner products; (e) chips, dents or cracks caused by abuse or misuse of the Products; (f) service trips to your home to teach you how to use the Products; (g) damage to the Products caused by accident, fire, floods, acts of God; or (h) Custom installations or

alterations that impact serviceability of the Products. (i) Damage to personal property or food spoilage from use of this product. If you are outside our service area, additional charges may apply for shipping costs for warranty repair at our designated service locations and for the travel cost to have a service technician come to your home to repair, remove or reinstall the Products. All Products must be installed by a qualified professional installer to be eligible for warranty repairs or service.

**Limitations of Warranty: OUR OBLIGATION TO REPAIR OR REPLACE, AT OUR OPTION, SHALL BE YOUR SOLE AND EXCLUSIVE REMEDY UNDER THIS WARRANTY. WE SHALL NOT BE LIABLE FOR INCIDENTAL, CONSEQUENTIAL OR SPECIAL DAMAGES ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THE PRODUCTS. THE EXPRESS WARRANTIES IN THE PRECEDING SECTION ARE EXCLUSIVE AND IN LIEU OF ALL OTHER EXPRESS WARRANTIES. WE HEREBY DISCLAIM AND EXCLUDE ALL OTHER EXPRESS WARRANTIES FOR THE PRODUCTS, AND DISCLAIM AND EXCLUDE ALL WARRANTIES IMPLIED BY LAW, INCLUDING THOSE OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.**

Some states or provinces do not allow limitations on the duration of an implied warranty or the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you. To the extent that applicable law prohibits the exclusion of implied warranties, the duration of any applicable implied warranty is limited to the same two-year and one-year periods described above if permitted by applicable law. Any oral or written description of the Products is for the sole purpose of identifying the Products and shall not be construed as an express warranty. Prior to using, implementing or permitting use of the Products, you shall determine the suitability of the Products for the intended use, and you shall assume all risk and liability whatsoever in connection with such determination. We reserve the right to use functionally equivalent refurbished or reconditioned parts or Products as warranty replacements or as part of warranty service. This warranty is not transferable from the original purchaser and only applies to the consumer residence where the Product was originally installed located in the United States and Canada. This warranty is not extended to resellers.

Please check our website for any additional Product information, [www.zephyronline.com](http://www.zephyronline.com).

**Zephyr Ventilation Service Department, 2277 Harbor Bay Parkway, Alameda, CA 94502 1-888-880-8368**