PACIFIC

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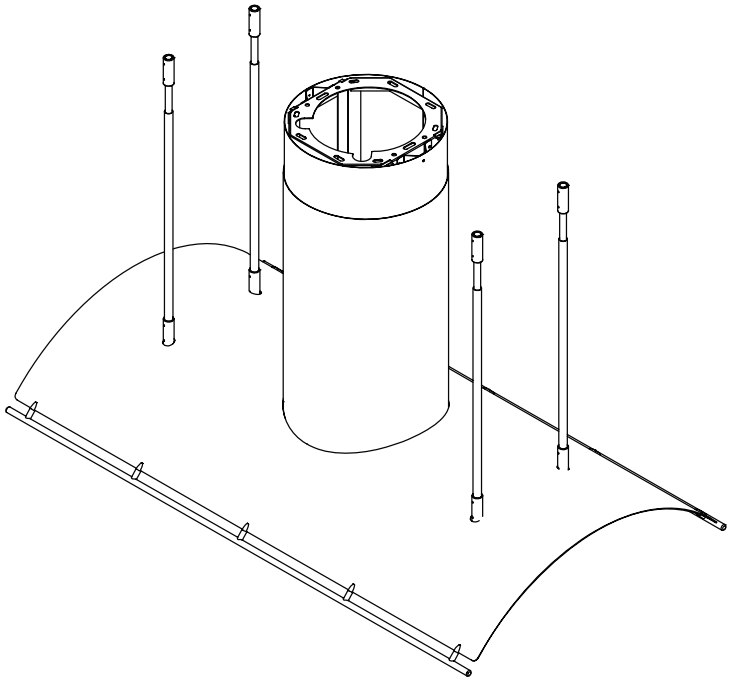
Use, Care, and Installation Guide

Trapeze

CTP-E48BSX
CTP-E54BSX
CTP-E60BSX



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Important Safety Notice

WARNING

TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT USE THIS FAN WITH ANY SOLID-STATE CONTROL DEVICE.

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 unit, switch power off at service panel and lock panel to prevent power from being switched on accidentally. When the service disconnecting means cannot be locked, securely fasten a prominent warning device, such as a tag, to the service panel.

CAUTION

For general ventilating use only. Do not use to exhaust hazardous or explosive materials and vapors. Take care when using cleaning agents or detergents. Suitable for use in household cooking area.

WARNING

TO REDUCE THE RISK OF 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 flaming food
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.
e. Keep fan, filters and grease laden surfaces clean.
f. Use high setting on hood only when necessary.
g. Don't leave hood unattended when cooking.
h. Always use cookware and utensils appropriate for the type of and amount of food being prepared.

WARNING

TO REDUCE THE RISK OF INJURY TO PERSONS IN THE EVENT OF A RANGE TOP 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

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 power 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 vent to the outdoors.
e. If this unit is to be installed over a tub or shower, it must be marked as appropriate for the application and be connected to a GFI (Ground Fault Interrupter protected branch circuit).
g. NEVER place a switch where it can be reached from a tub or shower.
h. Make sure the power is off before installing, wiring or maintenancing.

WARNING

TO REDUCE THE RISK OF FIRE, USE ONLY METAL DUCTWORK.
NOT FOR USE IN OUTDOOR COOKING ENVIRONMENTS.

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.

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.

***NOTE: Please check www.zephyronline.com for revisions before doing any custom work.**

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.

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.

*National Fire Protection Association Batterymarch Park, Quincy, Massachusetts 02269
** CSA International 8501 East Pleasant Valley Road, Cleveland, Ohio 44131-5575

This appliance requires a 120V 60Hz electrical supply and connected to an individual properly grounded branch circuit protected by a 15 or 20 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.

Prop. 65 Warning for California Residents

WARNING:

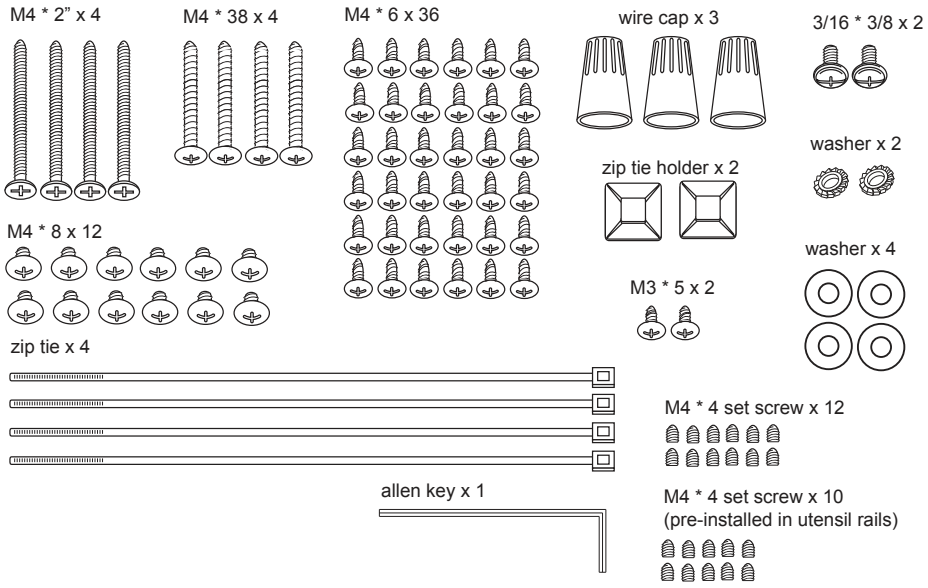
Cancer and Reproductive Harm - www.P65Warnings.ca.gov

List of Materials

MODEL: CTP-E48BSX, CTP-E54BSX, CTP-E60BSX

1 - Hood
2 - Baffle Filters
4 - 6W Zephyr Bloom™ HD LED Light Bulbs
2 - Telescopic Duct Covers
4 - Telescopic Support Rod Sets
4 - Telescopic Support Rod Couplers
1 - Duct Cover Ceiling Bracket
2 - Utensil Rails
4 - Angle Brackets (short)
4 - Angle Brackets (long)
1 - 8” Round Starting Collar
1 - AC Power Wiring Box
1 - Remote Blower Wire Harness & Wiring Box
1 - Motor Housing w/ Internal Motor Housing Flange
1 - Remote Blower Motor Housing Flange
1 - Hardware Packet

Hardware Packet Contents



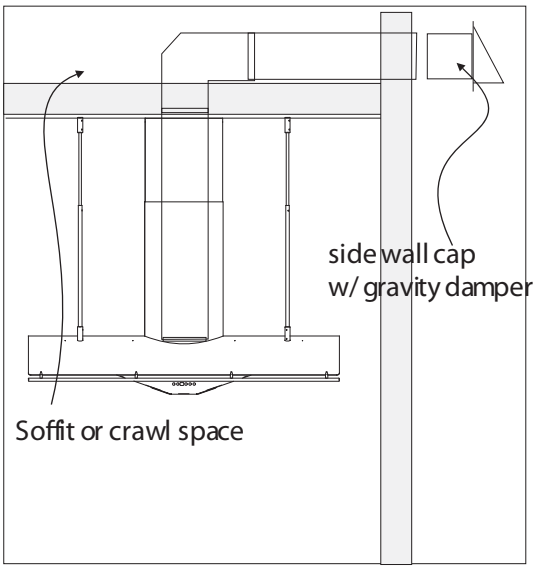
WARNING FIRE HAZARD

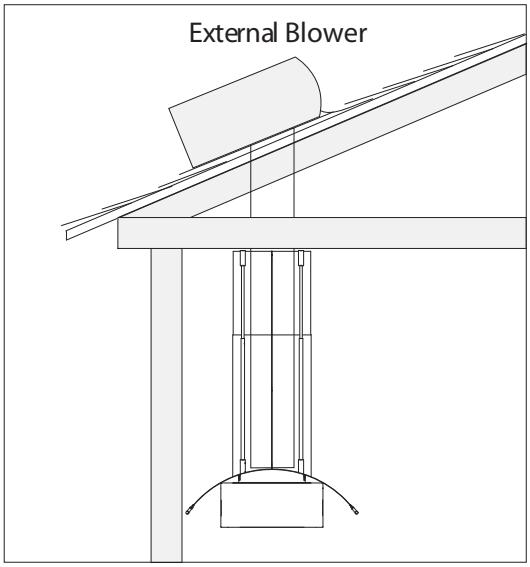
NEVER exhaust air or terminate duct work into spaces between walls, crawl spaces, ceiling, attics or garages. All exhaust must be ducted to the outside.

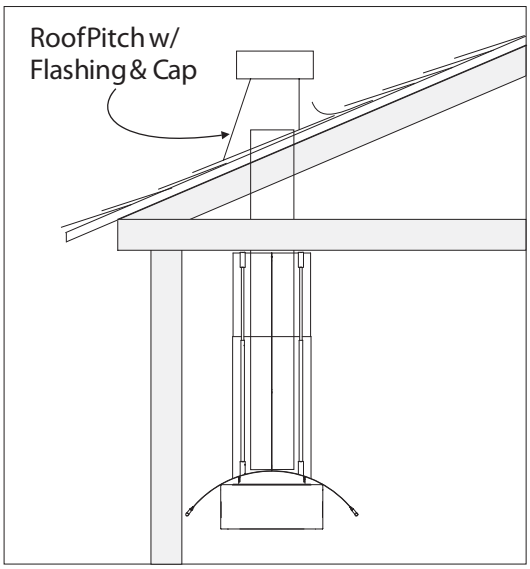
Use metal ductwork only.

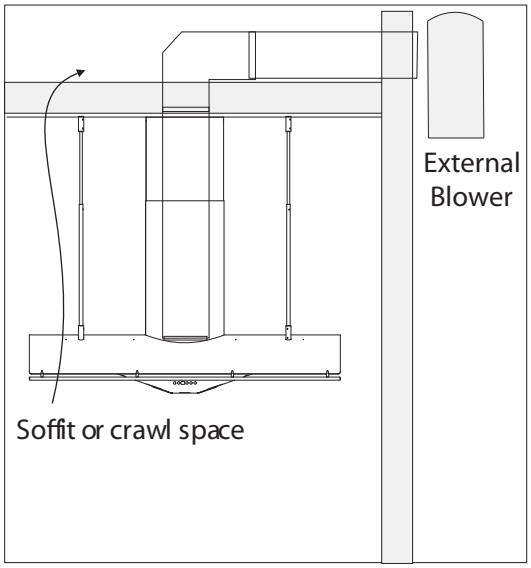
Fasten all connections with sheet metal screws and tape all joints with certified Silver Tape or Duct Tape.

Some Ducting Options



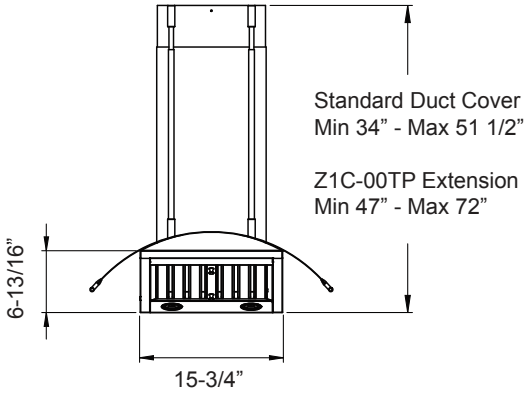




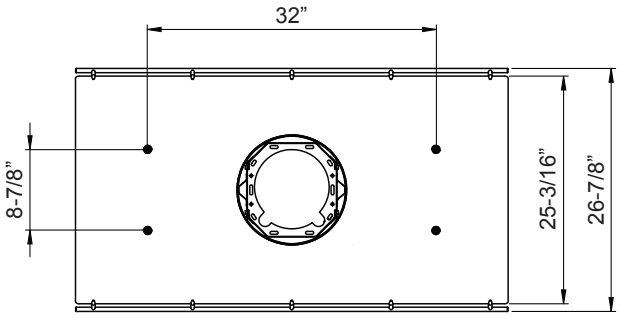


Installation – Hood Specifications

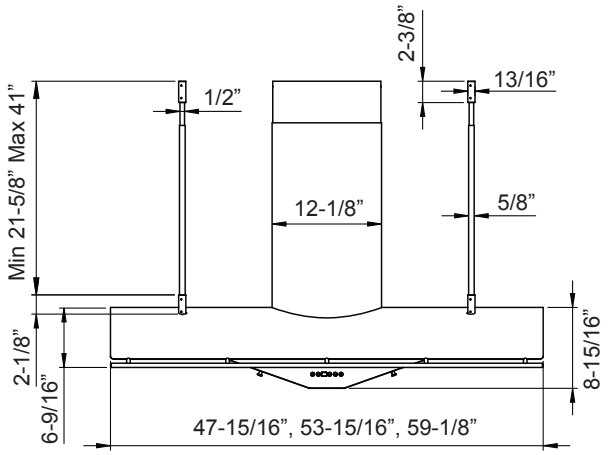
Side View



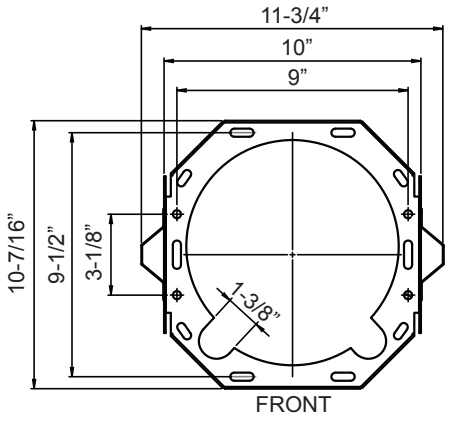
Top View



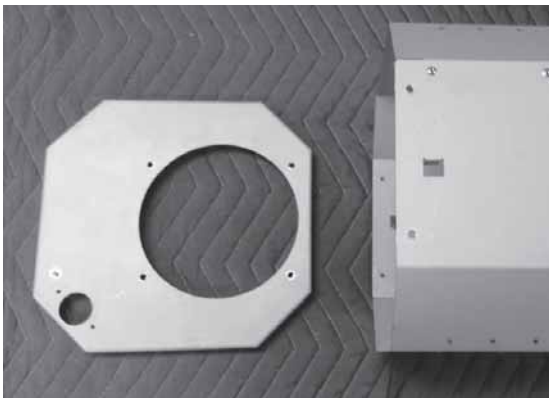
Front View



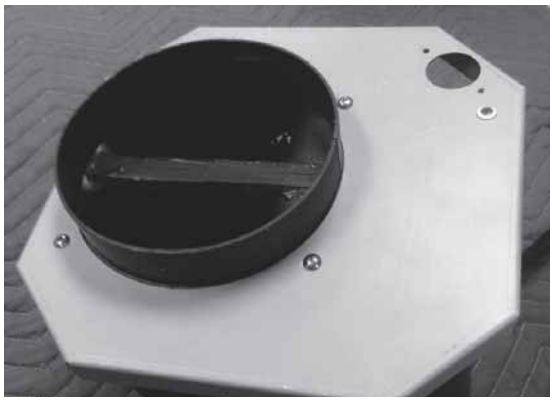
Ceiling Bracket



INTERNAL BLOWER PREPARATION

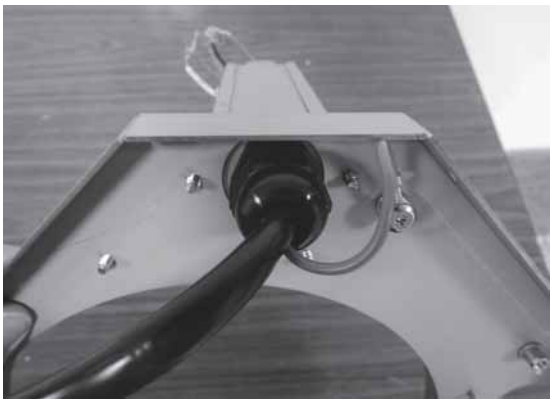


1. Remove internal blower flange from motor housing by (6) screws.



2. Secure internal blower to internal blower flange by (4) M4*16 screws from internal blower hardware.

3. Secure AC power wiring box to internal blower flange by (2) M4*8 screws.



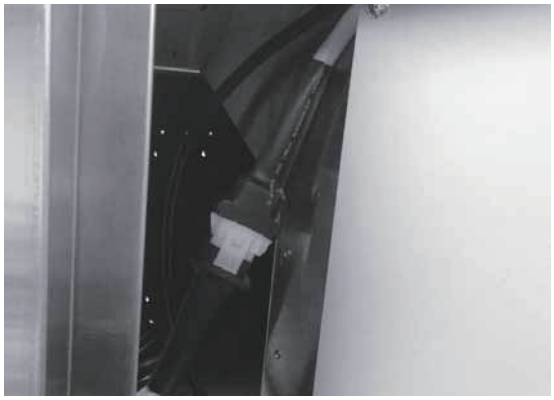
4. Secure ground wire to underside of internal blower flange by (1) 3/16*3/8 screw and (1) washer.

5. Connect 9 pin molex connector from capacitor cable to 9 pin molex connector from internal blower.

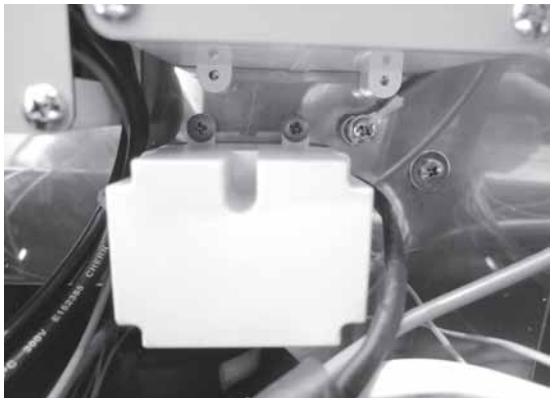
6. Re-install internal blower flange to motor housing by (6) screws previously removed from step 1.

INTERNAL BLOWER PREPARATION CONT.

7. Secure motor housing to hood body by (12) M4*6 screws.

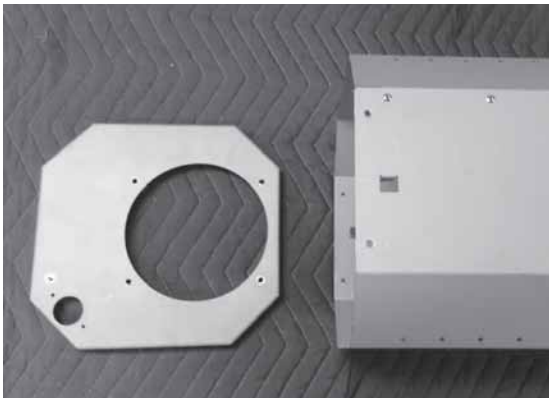


8. Connect 6 pin molex connector from capacitor cable to 6 pin molex connector from control box. Connect 2 pin plug from AC power cable to 2 pin plug from control box. Secure cables to hood interior with zip ties and zip tie holders.



9. Secure capacitor box to internal hood body by (2) M4*8 screws and secure ground wire by (1) 3/16*3/8 screws.

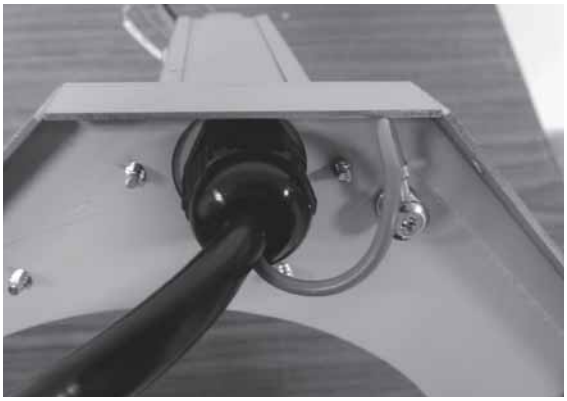
REMOTE BLOWER PREPARATION



1. Remove internal blower flange from motor housing by (6) screws.

2. Secure AC power box and remove blower wiring box to remote blower flange by (2) M4*8 screws each.

REMOTE BLOWER PREPARATION CONT.

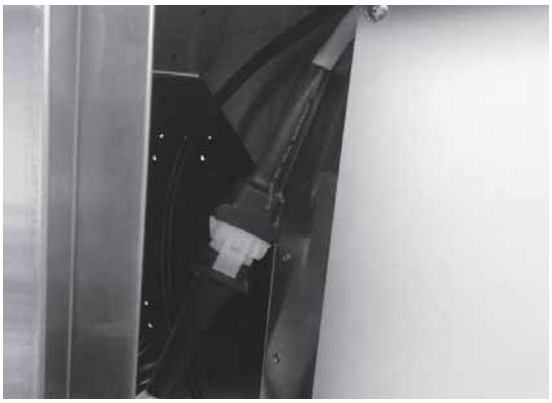


3. Secure AC power ground wire and remote blower ground wire to underside of remote blower flange by (1) 3/16*3/8 screw and (1) washer each.

4. Secure remote blower 8” round collar to remote blower flange by (8) M4*8 screws.

5. Secure remote blower flange to motor housing using (6) screws previously removed from step 1.

6. Secure motor housing to hood body by (12) M4*6 screws.



7. Connect 6 pin molex connector from remote blower wiring box to 6 pin molex connector from control box. Connect 2 pin plug from AC power cable to 2 pin plug from control box. Secure cables to hood interior with zip ties and zip tie holders.

NOTE: For instructions on mounting the remote blower please refer to the CBE-1000 or PBN-1000A remote blower manual included in the remote blower packaging or on our website at www.zephyronline.com

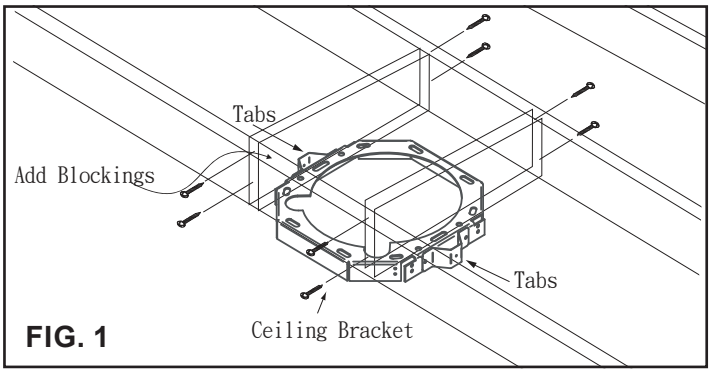


FIG. 1

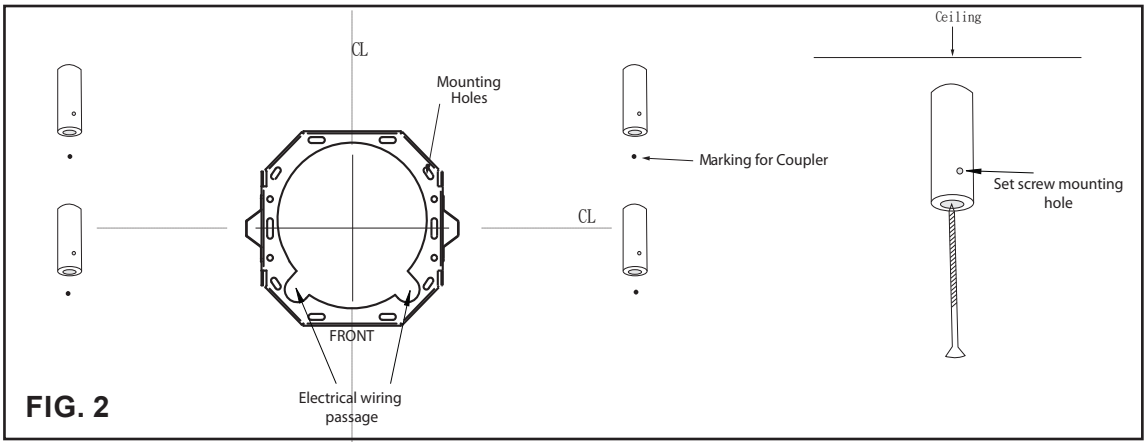


FIG. 2

1. Determine the location for mounting the hood. Mark centerlines front to back and left to right of hood placement. Place supplied paper template on ceiling and center marked center lines with template center lines. Mark mounting holes for ceiling bracket and telescopic rod couplers.
2. Cut out hole in ceiling for the duct work and electrical wiring passage.
3. Add and secure wook blockings (minimum 2x4 studs) between ceiling joists for celing bracket and telescopic rod couplers if needed. FIG. 1.
4. Center, mark and fasten ceiling bracket onto ceiling using (4) M4*38 screws and (4) washers. Make sure the word “FRONT” displayed on the ceiling bracket is facing the front of the hood where the controls will be located. FIG. 2.
5. Attach telescopic rod couplers to marked locations on ceiling using (1) M4*2” wood screw for each coupler. Make sure the set screw mounting hole is toward the bottom of the coupler during mounting. FIG. 2.
6. Prepair and position electrical wiring and duct work through ceiling bracket.

ELECTRICAL WARNING

All Electrical work must by performed by qualified electrician or person with similar technical know how and background.

For personal safety, remove house fuse or open circuit breaker before beginning installation. Do not use extension cord or adapter plug with this appliance.

Follow national electrical codes or prevailing local codes and ordinances.

Electrical Supply: This appliance requires a 120V 60Hz electrical supply, and connected to an individual, properly grounded branch circuit, protected by a 15 or 20 ampere circuit breaker or time delay fuse. Wiring must be 2 wire w/ ground. Please also refer Electrical Diagram labeled on product.

Cable Lock: A cable locking connector (not supplied) might also be required by local codes. Check with local requirements and codes, purchase and install appropriate connector if necessary.

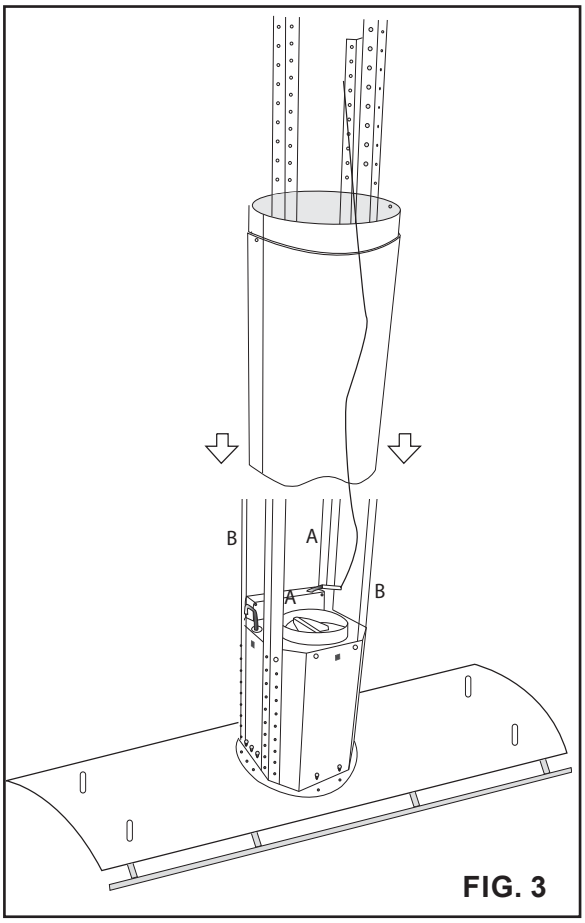


FIG. 3

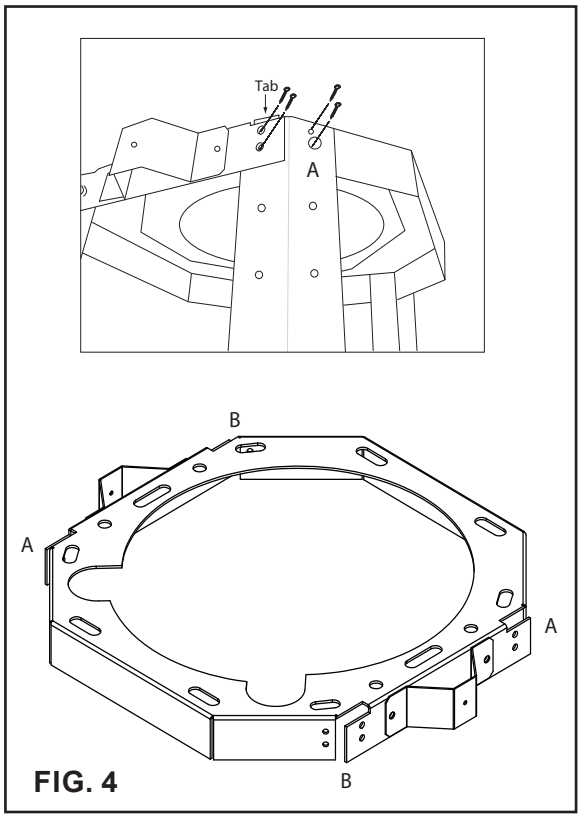
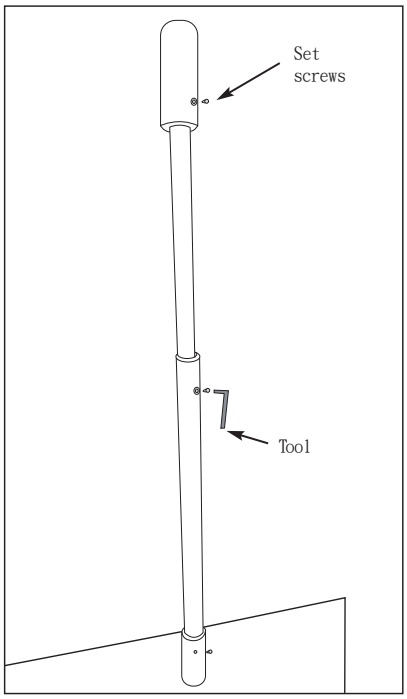


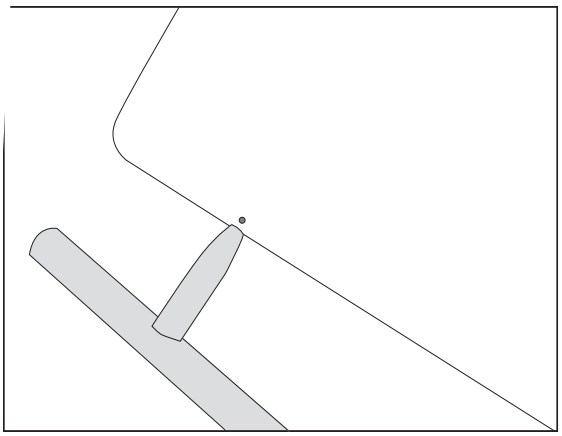
FIG. 4

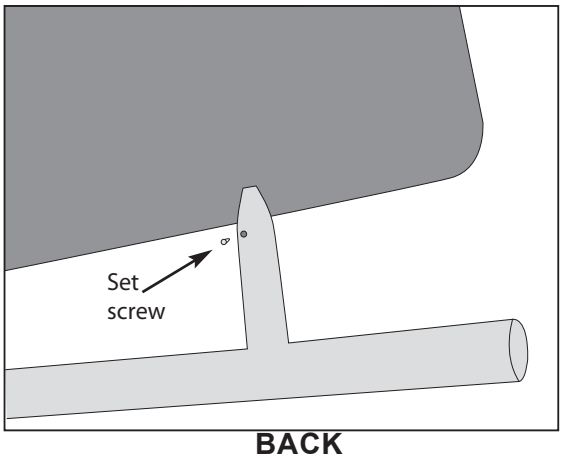
7. Determine desired height of hood, measure and select either 27 3/8” or 35 3/8” angle brackets. Position and attach angle brackets type A and B to the motor housing as shown using (8) M4*6 screws, (2) for each angle bracket. FIG. 3.
8. Slide duct covers over motor housing. Make sure bottom duct cover with cut-out is facing the front and back of hood. FIG. 3.
9. Lift assembled unit and attach all (4) angle brackets to ceiling bracket. Make sure the tabs on each angle bracket fit between the slots on the ceiling bracket. One half of the angle bracket will be outside the ceiling bracket and the other half outside the ceiling bracket. Attach angle brackets to ceiling brakcet using (16) M4*6 screws, (4) for each angle bracket. FIG. 4.
10. Connect duct work and electrical wiring.
11. Slide up upper duct cover and attach to ceiling bracket using (2) M3*5 screws.

Telescopic Rod Installation

1. Install telescopic rod (thicker end down) into coupler on top of hood and secure by (1) M4*4 set screw for each rod.
2. Extend inner telescopic rod to ceiling coupler and attach by (1) M4*4 set screw for each rod.
3. Secure telescopic rods together at top of outer rod by (1) M4*4 set screw for each rod set.

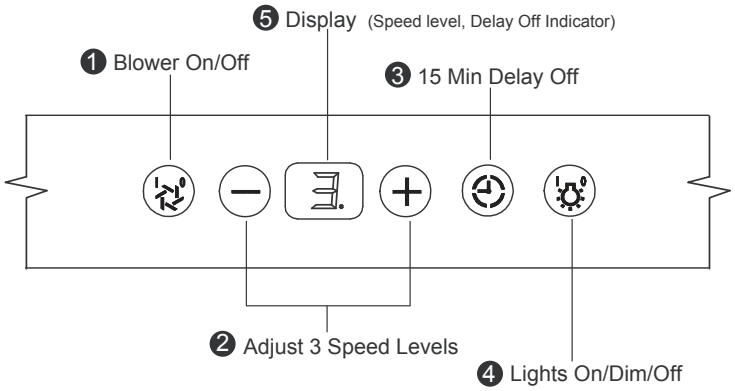






Utensil Rail Installation

1. Attach utensil rail to long side of hood canopy. A small hole has been pre-drilled into the canopy to provide a starting point to attach the first utensil rail post. After the first post is lined up with the hole, gently slide the rest of the rail onto the canopy. Use caution and be careful not to scratch the stainless steel of the canopy when performing this step.
2. Secure utensil rail to hood canopy by (1) M4*4 set screw pre-installed into each post. Repeat step for other side of canopy.



1 Blower On/Off

By pressing, the blower is switched On and Off. When switched on, the blower and lights turn on at the same setting they were switched off at. When switched off the entire hood powers off, including the LED and Mood lights.

2 Speed Selection

The 3 speed levels are selected by pressing ⊖ to decrease and ⊕ to increase speed level. The display indicates speed level selected. Pressing ⊕ when the hood is off will also turn it on.

3 Delay Off

This is used for programmed shut down of blower and lights 15 minutes after the function is activated. Press once, a dot displays in the lower right hand side of display indicating the function is on. The hood will change to speed 1 and shut down after 5 minutes.

4 Lights On/Dim/Off

Switch lights On by pressing once, again to dim and again to switch Off.

5 Display

Displays blower speed level, delay off status and filter clean/replace notification.

Baffle Filter Clean Reminder
After every 30 hours of use the display will start flashing an F reminding you to clean the baffle filters from residue and possible clogs.

The standard baffle filters are required to be cleaned frequently and as recommended in order to maintain blower efficiency. If improperly maintained, residue from cooking will sift through filters and cause damage to hood blowers and other sensitive components; and possibly clog duct work and create a fire hazard.

Baffle Filter Clean Reminder

Whether your hood is installed as an exhaust or purifying unit, a set if baffle filters are fitted by the factory, These baffle filters are intended to filter out residue from cooking. They need not be replaced on a regular basis but are required to be kept clean. The filter clean reminder function in the microprocessor will automatically indicate by a flashing F when the baffle filters need to be cleaned after every 30 hours of use. Filters can be cleaned by hand with non-abrasive soap or in a dishwasher. Heavily soiled filters should also be soaked in grease cutting detergent prior to cleaning.

Baffle Filter Clean Indicator

When F flashes on display, the baffle filters installed are required to be cleaned. This will occur after every 30 hours of use.

Clean Filters

display < F > flashes

Re-setting Function

Reset the filter clean reminder timer when filters are cleaned and re-installed (with hood off). Press and hold ⊖ for approximately 5 seconds, the display will appear; hold for approximately 5 seconds until F on display disappears ▭. The filter clean reminder function is now reset and a new 30 hours elapse cycle is initiated.

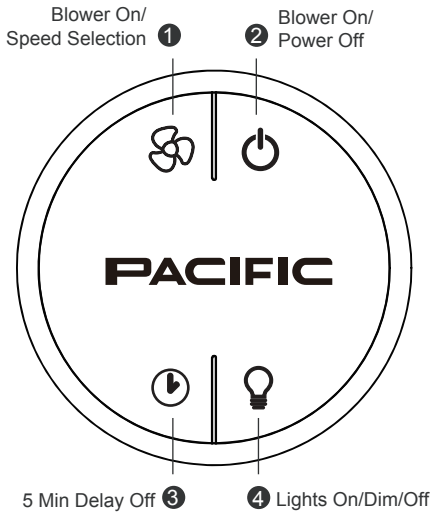
To Reset

hold 5 sec. display from < F > to < >

SYNCHRONIZATION: To create a unique link between your hood and remote control please follow these steps:

1. With hood off, press and hold the “lights” button on the hood until the letter “F” shows on the display screen.
2. Press the “lights” button on the remote, the lights on the hood will turn on and synchronization is complete.

RF REMOTE FUNCTIONS:



❶ Blower On / Speed Selection

Press to power on blower and cycle through all six blower speeds.

❷ Blower On / Power Off

By pressing , the blowers will power on at the last speed setting. Press again and the entire hood will power off, including lights.

❸ Delay Off

By pressing , the blower and lights will enter Delay Off mode. A dot will appear in the lower right corner of the hood display indicating the function is on. The blower will change to speed 1 and shut down after 5 minutes.

❹ Lights On / Dim / Off

Switch lights On by pressing once, again to dim and again to switch Off.

RF REMOTE FEATURES:

The RF remote control is equipped with a magnet on the back for easy storage. The remote may be placed on any magnetic surface such as a refrigerator or the Zephyr remote holder, FIG. 1. The remote holder can be inserted into a standard electrical outlet for easy storage. Note: The remote holder does not charge the RF remote.

Maximum remote control communication distance is 15 feet from the hood.

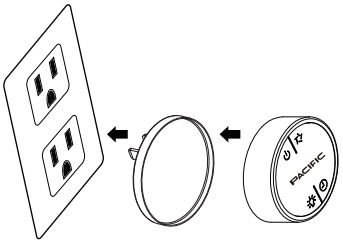


FIG. 1

RF REMOTE MAINTENANCE:

Clean the remote control using non abrasive detergents

Follow instructions below for replacing battery.
Using a small flat head screwdriver, raise the cover of the battery door (**A**) in order to access the battery compartment. FIG. 2.

Remove the battery and replace with battery type **A23 12V**.
Negative end of battery should face the spring inside the remote.

Re-install battery door and recycle old battery.

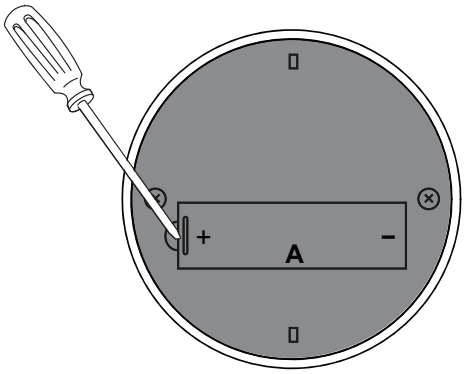


FIG. 2

THE RF REMOVE CONTROL IS AN OPTIONAL ACCESSORY NOT INCLUDED WITH THE HOOD AND MUST BE PURCHASED SEPARATELY

SURFACE MAINTENANCE:

Clean periodically with hot soapy water and clean cotton cloth. Do not use corrosive or abrasive detergent, or steel wool/scoring pads which will scratch and damage surface.

For heavier soil use liquid degreaser.

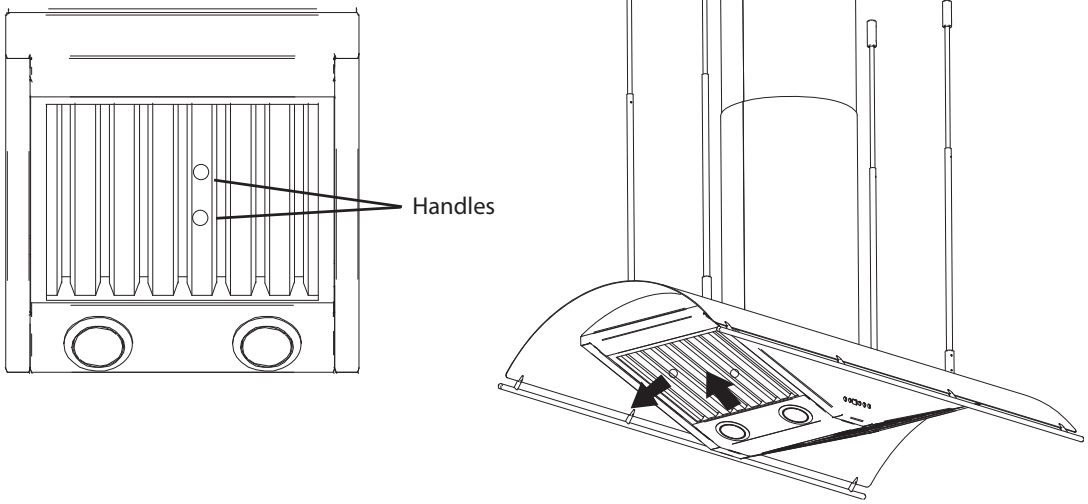
After cleaning, you may use non-abrasive stainless steel polish/ cleaners, to polish and buff out the stainless luster and grain. Always scrub lightly using a micro fiber or clean cotton cloth and with the stainless steel grain.

Stainless Steel Baffle Filters

The stainless steel baffle filters fitted by the factory are intended to trap residue and grease from cooking. Although the filters never need replacement, they are required to be cleaned every 30 - 60 days or more often depending on cooking habits.

Filters may be placed in dishwasher at low heat or soaked in hot soapy water. Dry filters and re-install before using hood.

Remove filters by sliding away from center of hood and pulling down.



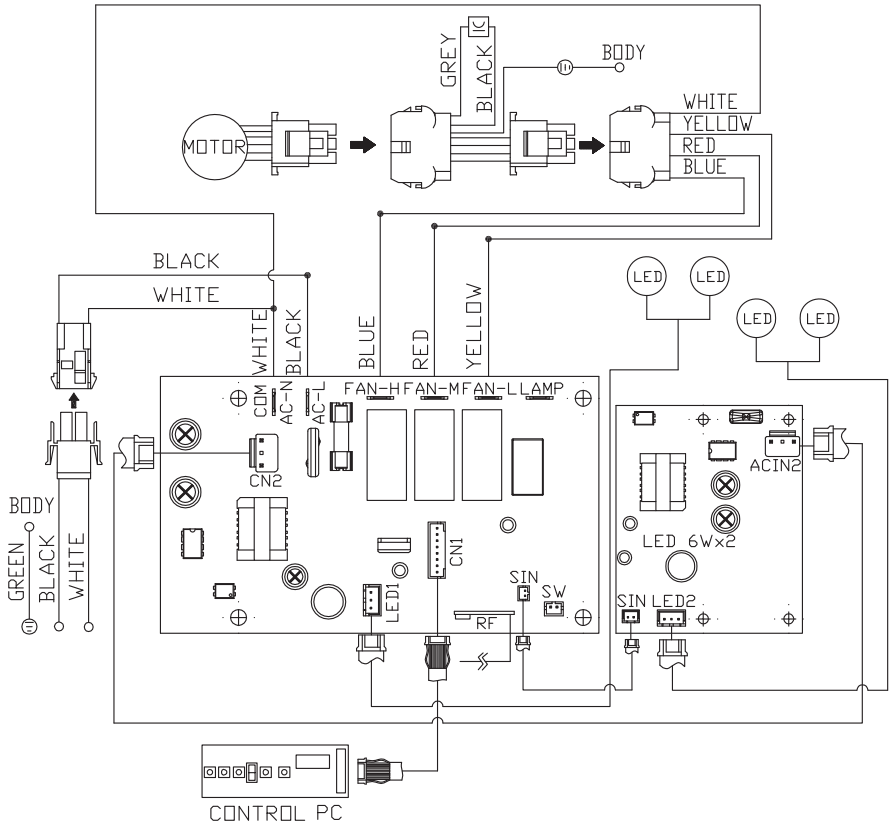
TROUBLESHOOTING PROCEDURES FOR TRAPEZE

Issue	Cause	What to do
After installation, the unit doesn't work.	1. The power source is not turned ON.	1. Make sure the circuit breaker and the unit's power is ON.
	2. The power line and the cable locking connector is not connecting properly.	2. Check the power connection with the unit is connected properly.
	3. The switch board and control board wirings are disconnected.	3. Make sure the wirings between the switch board and control board are connected properly.
	4. The switch board or control board is defective.	4. Change the switch board or control board.
Light works, but blower is not turning.	1. Wire harness from external or internal blower might be disconnected.	1. Make sure the wires are connected to the control board box
	2. Blower molex plug pin is not making contact.	2. Disconnect the blower molex plug, check pins inside plug to see if pin is pushed inside the plug too far. Reseat pin if needed.
	3. The blower is defective, possibly seized.	3. Change the blower.
	4. The thermally protected system detects if the blower is too hot to operate and shuts the blower down.	4. The blower will function properly after the thermally protected system cool down.
	5. Damaged capacitor.	5. Change the capacitor.
The unit is vibrating.	1. The blower is not secure in place.	1. Tighten the blower in place.
	2. Damaged blower wheel/makes noise.	2. Change the blower.
	3. The hood is not secured in place.	3. Check the installation of the hood.
The unit is whistling.	1. A filter is not in the correct position.	1. Adjust the filters until the whistling stops.
	2. The duct pipe connections are not sealed or connected properly.	2. Check the duct pipe connections to be sure all connections are sealed properly.
The blower is working, but the lights are not.	1. The light socket plug is disconnected.	1. Connect the light socket plug.
	2. Defective LED bulb.	2. Change the LED bulb.
The hood is not venting out properly.	1. The hood might be hanging to high from the cook top.	1. Adjust the distance between the cook top and the bottom of the hood within 26" and 36" range.
	2. The wind from the opened windows or opened doors in the surrounding area are affecting the ventilation of the hood.	2. Close all the windows and doors to eliminate the outside wind flow.
	3. Blocking in the duct opening or ductwork.	3. Remove all the blocking from the duct work or duct opening.
	4. There are too many turns within the ducting.	4. Limit number of turns and/or increase duct size.
	5. Using the wrong size of ducting.	5. Change the ducting to at least 6" or higher for the internal blower and 8" or higher for the external blower.
Filter is vibrating.	1. Baffle filter is loose.	1. Remove filter and reinstall it or change the baffle filter
After hood has been installed for a period of time, it stopped working.	1. Control board needs to be reset.	1. Turn circuit breaker which controls the hood off for at least 15 minutes. Turn it back on and this should fix the problem.
	2. Defective control board.	2. Replace control board.

Wiring Diagrams

CTP-E48/54/60BSX	VOLTS	HZ	MAX AMPS
	120	60	CBI290A 0.8 CBI600A 2.7

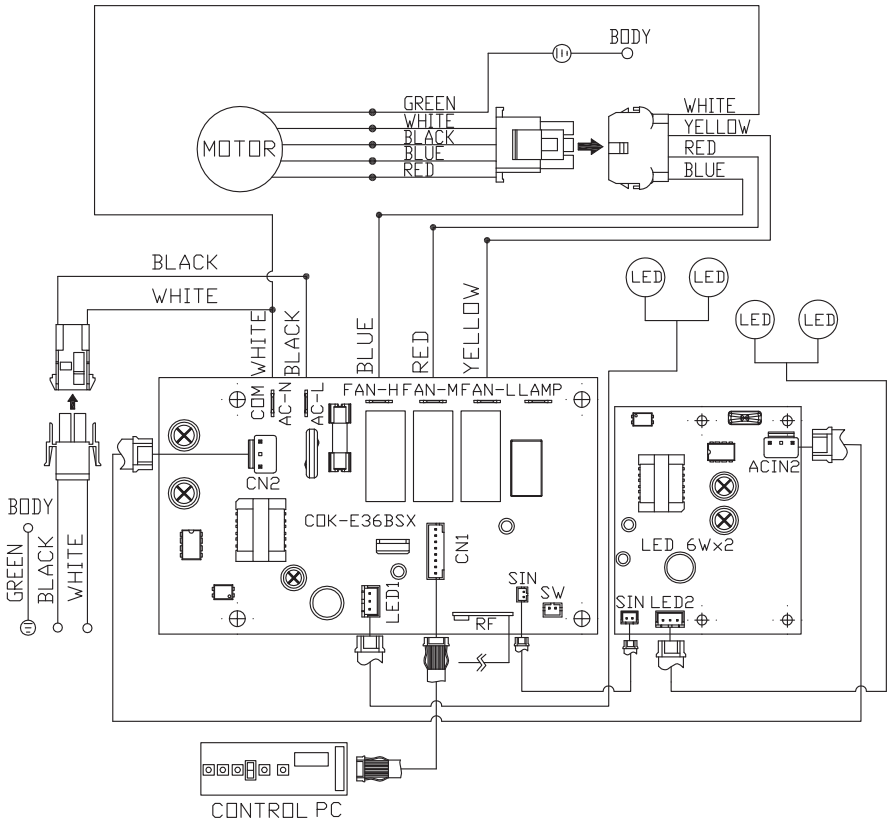
INTERNAL BLOWER CIRCUIT DIAGRAM



REMARKS:CONDENSER 3uF 250VAC FIT AC120V 60Hz (CBI-290A)
CONDENSER 25uF 250VAC FIT AC120V 60Hz (CBI-600A)

CTP-E48/54/60BSX	VOLTS	HZ	MAX AMPS
	120	60	CBE1000 6.0 PBN1000A 4.8

REMOTE BLOWER CIRCUIT DIAGRAM



REMARKS:CONDENSER 15uF 370VAC FIT AC120V 60Hz (CBE-1000)
CONDENSER*2 25uF 250VAC FIT AC120V 60Hz (PBN-1000A)