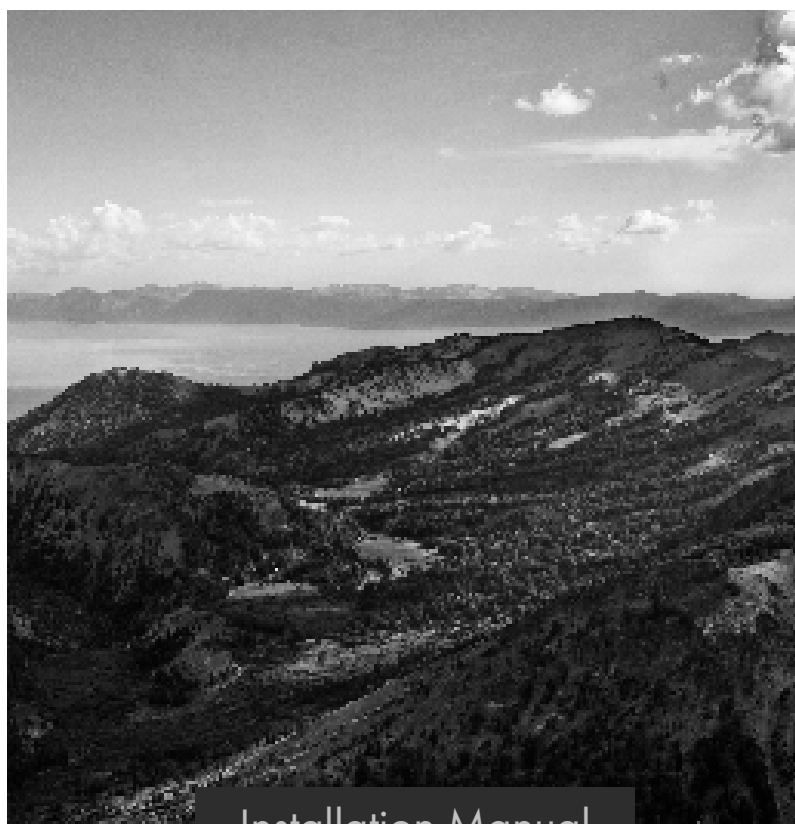


ZLINE

ATTAINABLE **LUXURY**®



Installation Manual

INSERT RANGE HOODS

www.zlinekitchen.com



ZLINE Kitchen and Bath provides Attainable Luxury, where the kitchen and bath of your dreams is never out of reach. Through our unique designs and unparalleled quality, we're dedicated to providing you an elevated experience in the heart of your home. With an endless selection of features and finishes, our inspiration is your reality.

ZLINE
ATTAINABLE LUXURY®



ZLINE is fueled by a passion for innovation; A relentless pursuit of bringing the highest end luxury designs and professional features into everyone's homes. Because we continually strive to improve our products, we may change specifications and designs without prior notice.

Scan the QR code to view the most up-to-date version of the User Manual and Installation Manual.


 **WARNING:** This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer. For more information, go to www.P65Warnings.ca.gov.

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IMPORTANT SAFETY INSTRUCTIONS



This is the safety alert symbol. This symbol alerts you to potential hazards that can hurt you and others. All safety messages will follow the safety alert symbol.

READ ALL INSTRUCTIONS BEFORE INSTALLING AND OPERATING THIS APPLIANCE.

- The installation instructions in this manual are intended for qualified installers, service technicians, or persons with similar qualified background. Installation and electrical wiring must be done by qualified professionals and in accordance with all applicable codes and standards, including first-rated construction. DO NOT attempt to install this appliance by yourself. Injury could result from installing the unit due to lack of appropriate electrical and technical background. Due to the size and weight of this range hood, two people installation is recommended.
- Range hood may have very sharp edges; please wear protective gloves if it is necessary to remove any parts for installing, cleaning or servicing.
- Activating any switch ON before completing installation may cause ignition or an explosion.

TO REDUCE THE RISK OF FIRE, ELECTRIC SHOCK, OR INJURY TO PERSONS:

- For general ventilating use only. DO NOT use to exhaust hazardous or explosive materials and vapors. Adequate air flow required for combustion and safe operation of fuel burning equipment may be affected by this unit's operation. 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 of Heating, Refrigeration and Air Conditioning Engineers (ASHRAE), and the local code authorities. Sufficient air is needed for proper combustion and exhausting of gases through the duct to prevent back drafting.
- Before servicing or cleaning unit, switch power OFF at service panel and lock

IMPORTANT SAFETY INSTRUCTIONS

service panel to prevent power from being switched ON accidentally.

- Ducted range hoods **MUST ALWAYS** be vented to the outdoors or in some instances converted to recirculate the air. All our range hoods come with a transition piece with a built-in damper. Some existing installations may already have an external damper. Please consult an HVAC or installation professional for advice to comply with local regulations.
- When cutting or drilling into a wall or ceiling, be careful not to damage electrical wiring or other hidden utilities.
- Your safety and the safety of others is very important. We have provided many important safety messages in this manual and on your appliance. Always read and obey all safety messages. All safety messages will tell you what the potential hazard is, tell you how to reduce the chance of injury, and tell you what can happen if the instructions are not followed.
- All electrical wiring must be properly installed, insulated, and grounded.
- Old duct work should be cleaned or replaced, if necessary, to avoid the possibility of a grease fire. Check all joints on duct work to insure proper connection, all joints should be properly taped.
- Use this unit only in the manner intended by the manufacturer. If you have any questions, contact the vendor.
- When the range hood ventilates the air out of the room, the air vented must be replaced, this is called make-up air. If a makeup air system is needed, but not used, a hood may not function as expected due to negative air pressure. We do not currently provide a make-up air unit. Always consult any applicable building codes in your area in regards to minimum and maximum air flow rates. Certain states may require additional items, such as make-up air kits, for larger CFM range hoods (typically over 300 CFM).
- Keep all fans, baffle, spaces, filter, grease tunnel, oil container and grease-laden surfaces clean. Grease should not be allowed to accumulate on fan, baffle, spaces, filter, grease tunnel or oil container. Clean grease-laden surfaces frequently.
- To reduce the risk of fire and to disperse air properly, make sure to vent air outside. **DO NOT** vent exhaust into spaces between walls, crawl spaces,

IMPORTANT SAFETY INSTRUCTIONS

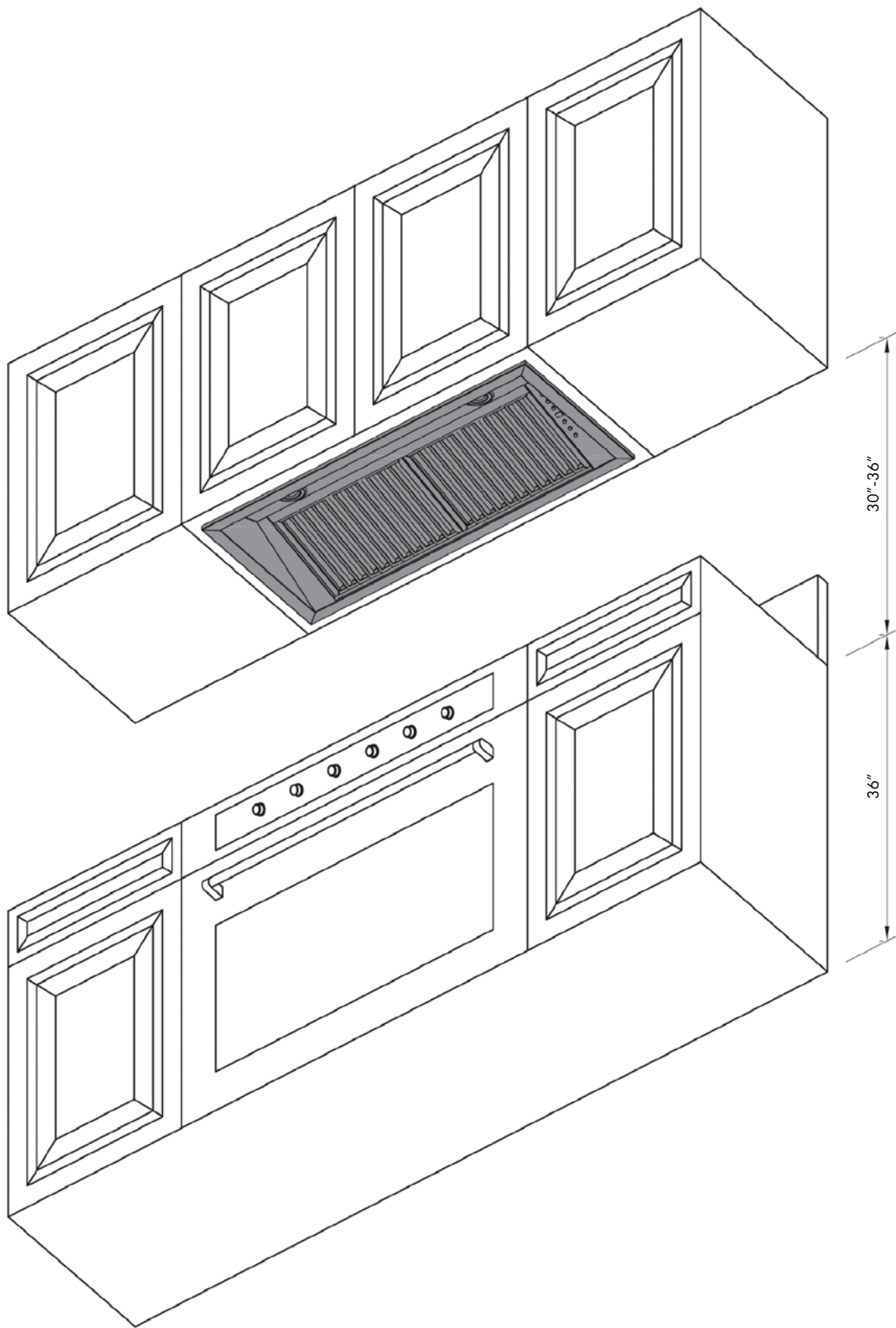
ceilings, attics or garages.

- All ZLINE range hoods are ETL listed, ensuring all parts were tested for safety and meet industry standards and regulations. **NOTE:** This ensures all included metal ducting pieces were tested for safety and are flame retardant.
- Always turn the range hood ON when cooking at high heat or when cooking flaming foods. Use high settings on the cooking range only when necessary. Never leave cooking surfaces unattended at high settings. Boil overs cause smoking and greasy spillovers that may ignite. Heat oils slowly on low or medium settings.
- Clean ventilating fan frequently.
- Always use appropriate cookware and utensils. Always use cookware appropriate for the size of the cooking burner.

TO REDUCE THE RISK OF INJURY TO PERSONS IN THE EVENT OF A STOVE TOP GREASE FIRE:

- Smother flames with a close fitting lid, cookie sheet or metal tray, then turn OFF the burner. Never pick up a flaming pan—you may be burned.
- Keep flammable or combustible material away from flames. If the flames do not go out immediately, evacuate and call the fire department. DO NOT use water, including wet dishcloths or towels—a violent steam explosion will result.

INSERT INSTALLATION



INSERT INSTALLATION

When installing a range hood insert, it is recommended to install the unit at a minimum of 30" from the cooktop. For outdoor range hood inserts it is recommended to install the unit at a minimum of 36" and a maximum of 42" from the grill top.

Use solid ducting made of galvanized steel wherever possible. Try and minimize the use of elbows. It is recommended to establish 15-20" of vertical airflow from the top of the hood before executing a 90° turn or elbow. More elbows and longer runs create higher static pressure. No more than 40 feet of ductwork and two to three elbows should be used. Note the overall ducting length will be reduced by 5 feet for every 90° elbow. The hood comes with a grounded three prong plug that can be plugged into a 15 amp circuit.

1. Unpack contents of the hood. Attach transition piece and ducting to the top of the range hood insert. *Figure 1*
2. Using L brackets and screws provided, attach L brackets to each side of the insert.
3. Lift the range hood insert into cabinet or custom hood structure. *Figure 2*
4. Follow instructions for wall hood mount to mount the range hood.

NOTE: Due to some installation differences with custom hoods the L brackets may not work. Before installing insert please determine if the insert will work for your installation needs. You may pre-drill holes into the insert unit to accommodate for custom hood installations.

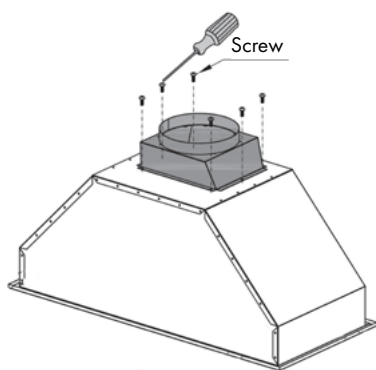


Figure 1

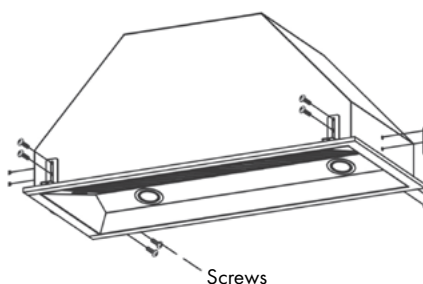


Figure 2

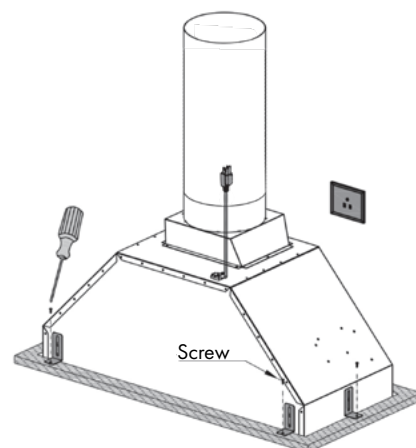
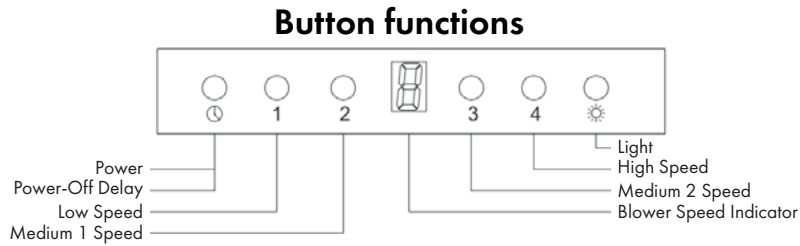


Figure 3

OPERATION



Power: Turn ON/OFF the range hood and activate power-off delay timer.

Light: Turn ON/OFF (Some models will have bright, dim, and OFF settings.)

Blower Speed Indicator: Shows current blower (motor) speed (1-4).

1 - Low Speed: Light frying/boiling.

2 - Medium Speed: Frying/wok cooking/heavy boiling.

3 - High-Grilling: Intensive frying and wok cooking.

Adjusting the blower (motor) speed:

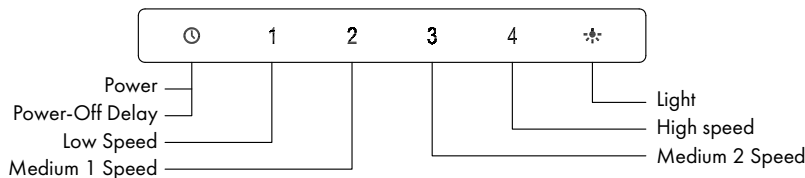
- Press the power button once to turn on the system.
- Press the speed buttons for the desired speed. May be increased and decreased.
- The blower speed indicator shows the blower speed level.

Adjusting the timer function:

- Turn the hood on at any speed and press the power-off delay button to enter timer mode, a 3 flashes in the display, power-off delay digital timer will begin countdown.
- When the blower speed indicator reaches zero, the blower will shut down.

Adjusting the light:

- Turn ON/OFF (Some models will have bright, dim, and OFF settings.)



Power: Turn ON/OFF the range hood and activate power-off delay timer.

Light: Turn ON/OFF (Some models will have bright, dim, and OFF settings.)

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1 - Low Speed: Light frying/boiling.

2 - Medium Speed: Frying/wok cooking/heavy boiling.

3 - High-Grilling: Intensive frying and wok cooking.

Adjusting the blower (motor) speed:

- Press the power button once to turn on the system.
- Press the speed buttons for the desired speed. May be increased and decreased .
- The selected blower speed will light up when chosen.

Adjusting the timer function:

- Turn the hood on at any speed and press the power-off delay button to enter timer mode, The "power" flashes in the display, power-off delay will begin countdown. After five minutes , the blower will shut down.
- When the blower speed indicator reaches zero, the blower will shut down.

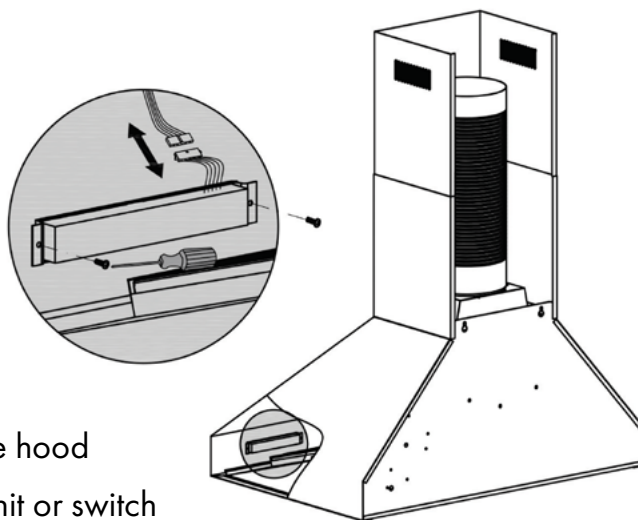
Adjusting the light:

- Turn ON/OFF (Some models will have bright, dim, and OFF settings.)

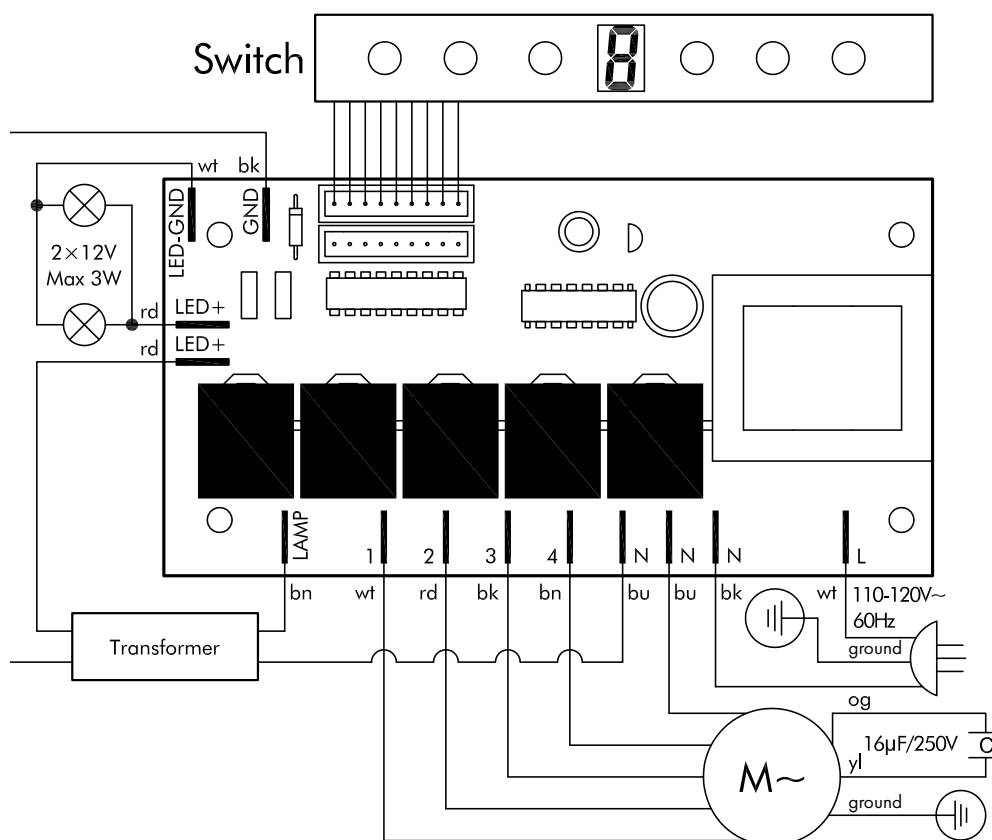
REPLACING PARTS

HOW TO CHANGE OUT THE BUTTON PANEL

1. Remove baffle/aluminum filters.
2. Locate back of button panel.
3. Remove screws from each side of the button panel.
4. Disconnect button panel from cord connecting to circuit board.



NOTE: Never work on or clean the range hood while power is ON. Always unplug the unit or switch the electrical breaker to the off position.



Installation Tutorial Video

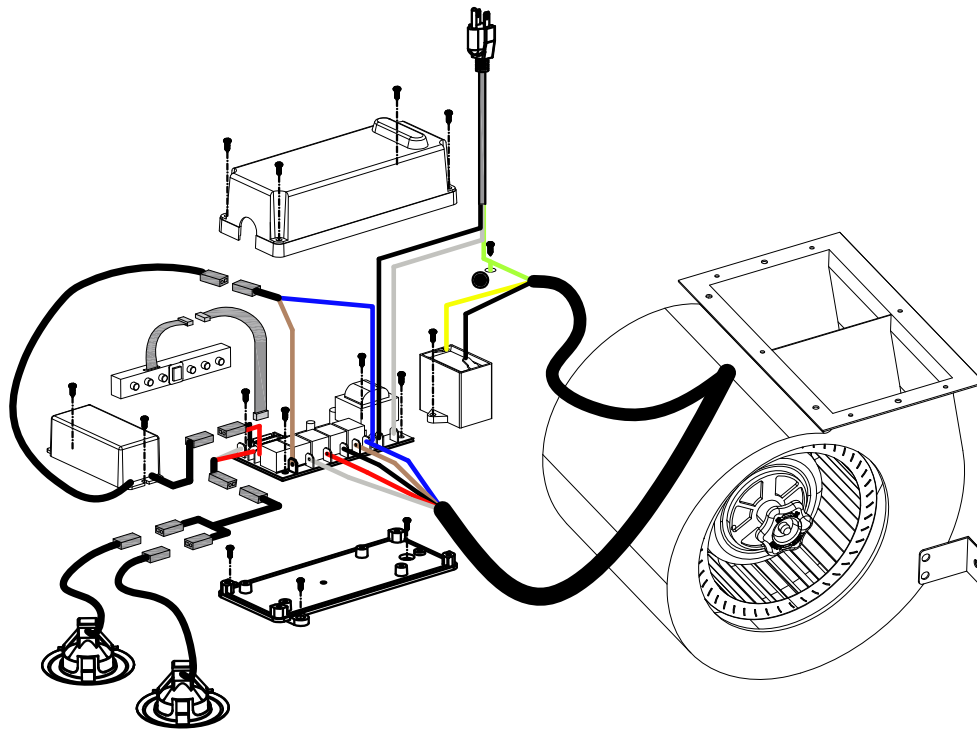
The above circuit board diagram is for reference only, the one installed may vary slightly.

REPLACING PARTS

HOW TO REPLACE THE CIRCUIT BOARD

1. Turn the power off at the breaker and unplug the Range Hood.
2. Remove all screws from the top of the circuit board cover.
3. Take a picture of the wiring layout (this will help you put the circuit board back together properly).
4. Remove the wiring connected to the circuit board. A needle nose plier may be used to assist with the wire terminal removal.
5. Remove the screws from the circuit board.
6. Replace the wiring and screws to reassemble the new circuit board per the diagram below.

NOTE: Never work on or clean the range hood while power is ON. Always unplug the unit or switch the electrical breaker to the off position.

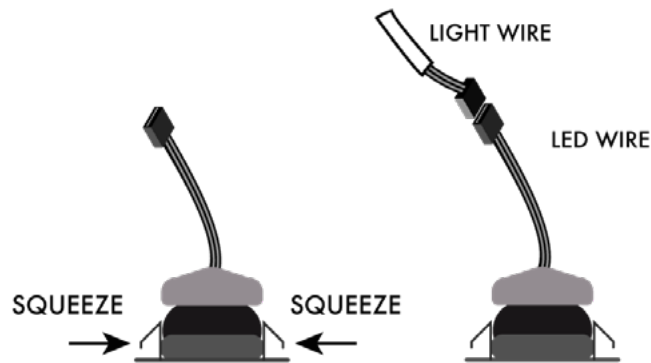


Installation Tutorial Video

REPLACING PARTS

REPLACING THE LIGHT BULBS IN YOUR RANGE HOOD

1. Remove baffles.
2. Squeeze the old LED light casting out until it falls out of the socket.
3. Disconnect the plug wires from the light wire.
4. Reconnect the LED plug into the light wire.
5. Press light assembly into the socket.



NOTE: Never work on or clean the range hood while power is ON. Always unplug the unit or switch the electrical breaker to the off position.



Installation Tutorial Video

REPLACING PARTS

PROFESSIONAL SERIES BAFFLE FILTER CHANGE

Covering Models 695, 698, and 721 Inserts

Professional series hoods are equipped with 2 removable dishwasher safe baffle channels (one for series 695 and 698 inserts) that the baffle filters rest in. To install the channels, place inside the hood, right under the front and back edges of the hood. The channel is kept in place by installation pieces on the sides and back of the baffle channel. *Figure 1*

NOTE: Never work on or clean the range hood while power is ON. Always unplug the unit or switch the electrical breaker to the off position.

NOTE: The baffle channels may already be in place. See *Figure 1* for positioning.

To install filters, first install the removable baffle channel. Next, take the filter and put one end into the permanent baffle channel. Push back into place and pull down, sliding the bottom of the filter in. Position filters so that they rest on both lips of the baffle channels. The edges of the baffle filters should have open slats on the outside edges. *Figure 2*

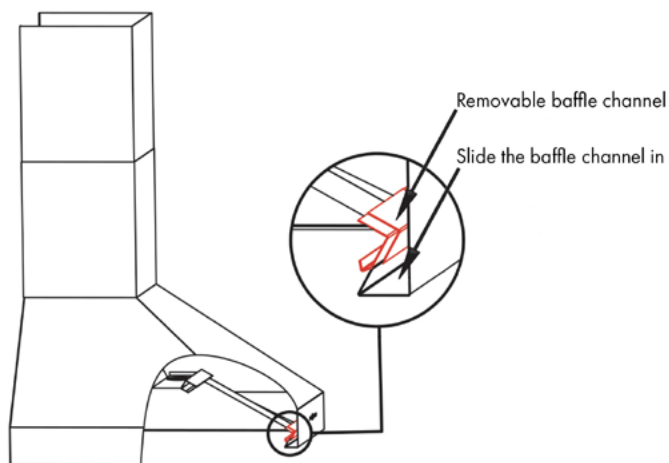


Figure 1

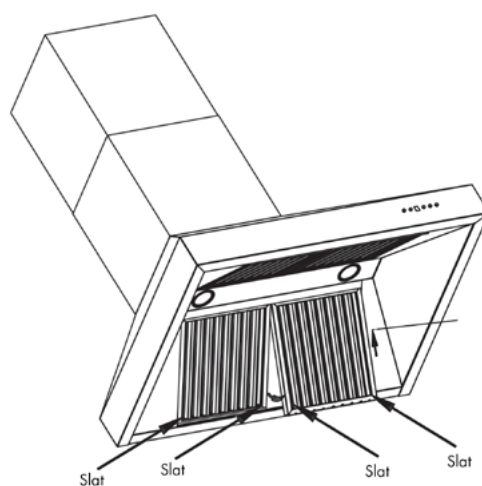


Figure 2

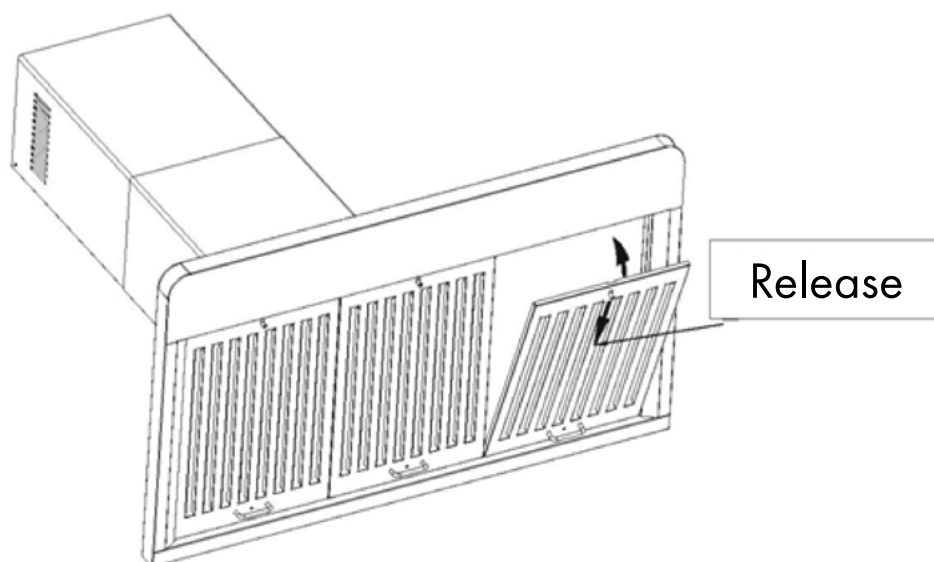


WARNING: Edges on the baffle filters and baffle channels may be sharp- please use caution when installing and removing. Do not attempt to disassemble baffle filters, as the process may result in injury.

REPLACING PARTS

BAFFLE FILTER

If your range hood has baffle filters with a knob, to remove the filter from the hood, pull back towards the wall and then tilt the knob side of the baffle filter downward.



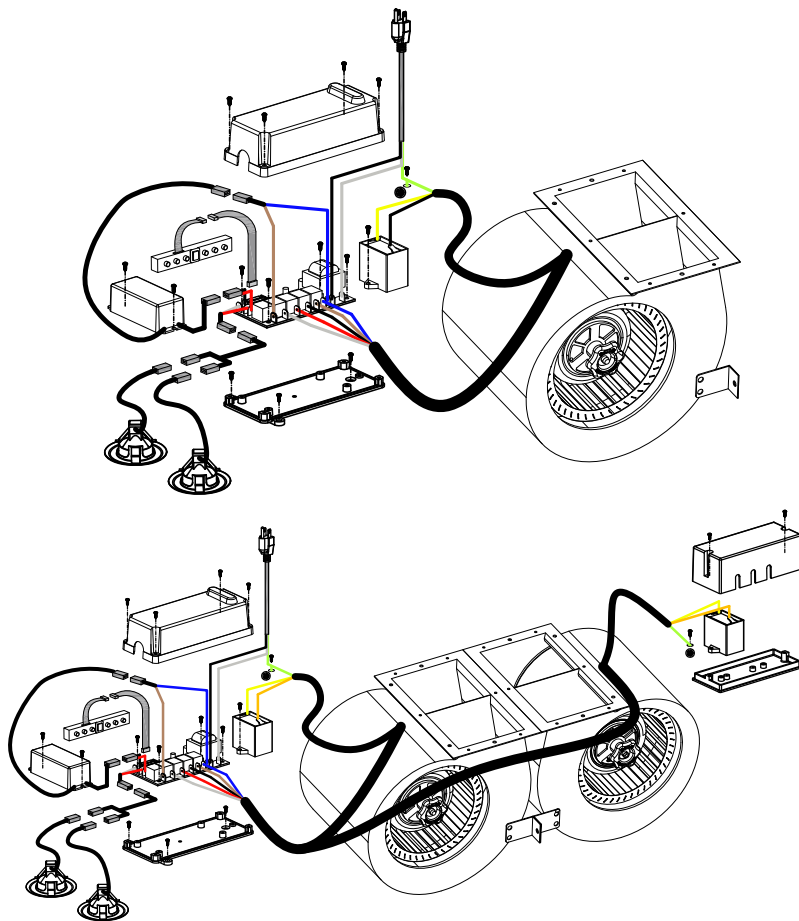
REPLACING PARTS

REPLACING THE CAPACITOR:

1. Remove screws from the circuit board cover.
2. Remove screws from capacitor.
3. Remove both wired connections from the capacitor.
4. Connect new capacitor with wire connectors.
5. Replace screws in cover.
6. Repeat operation if dual motor.

NOTE: Some units have more than one motor. If you have a unit with dual motors, there will be two capacitors.

NOTE: Never work on or clean the range hood while power is ON. Always unplug the unit or switch the electrical breaker to the off position.



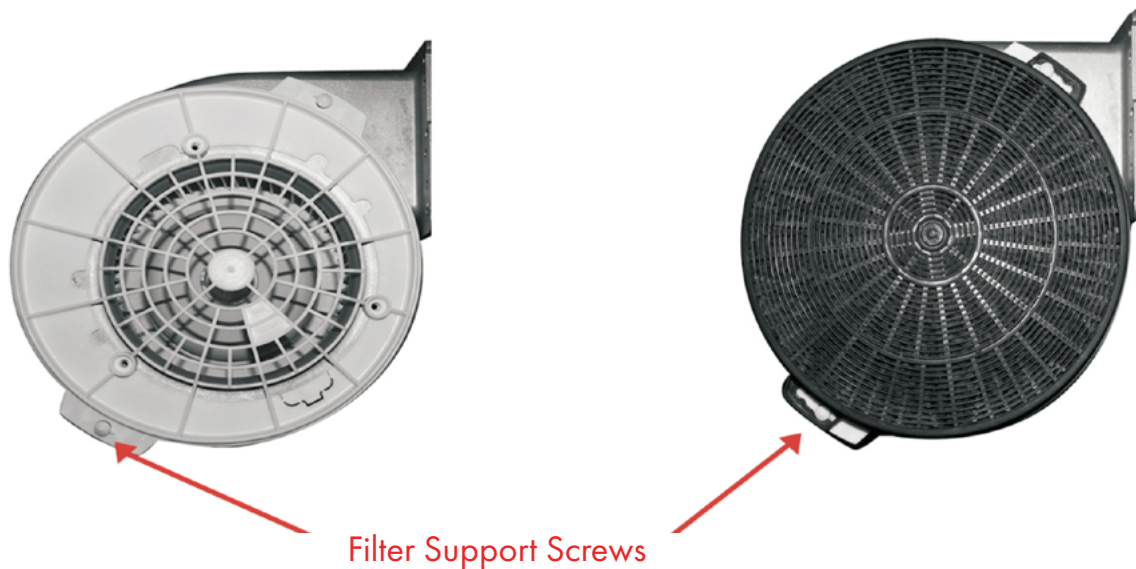
Installation Tutorial Video

REPLACING PARTS

REPLACE OR CHANGE CHARCOAL FILTERS:

It is recommended to direct vent the hood whenever possible.

If your situation does not allow for a direct vent install, carbon filters are available to recirculate the air through your hood.



1. Remove the stainless steel or aluminum filters from the bottom of the hood.
2. Locate the existing raised support screws on each side of the internal motor(s).
3. For each motor side, position the filter over its support screw and rotate to lock into place.



NOTE: Replacement is recommended after 130 hours of cooking or 6 months of operation. Replace more often if your cooking habits generate more grease.

Scan QR code to visit ZLINEparts.com, ZLINE's official parts distribution partner.

NOTE: Never work on or clean the range hood while power is ON. Always unplug the unit or switch the electrical breaker to the off position.



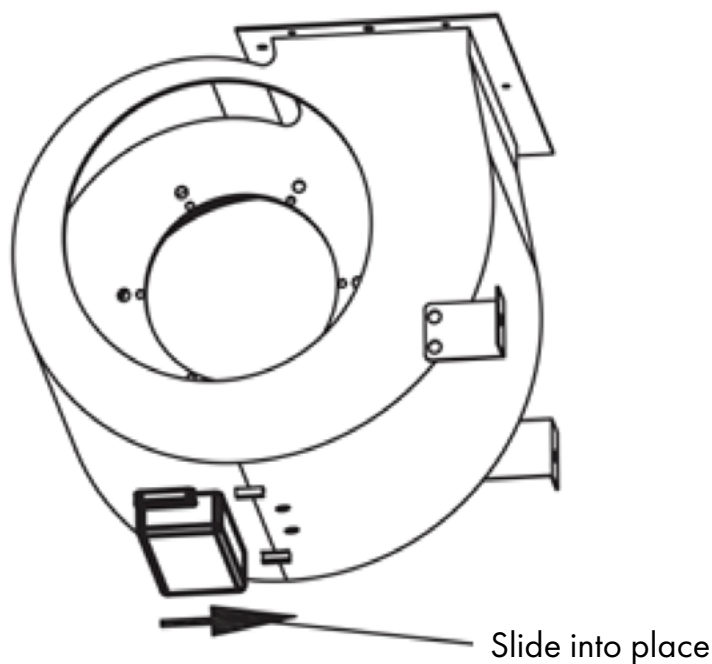
Installation Tutorial Video

REPLACING PARTS

HOW TO CLEAN, INSTALL, OR REPLACE THE GREASE CUP:

A removable grease cup is provided to catch any excess grease at the bottom of the motor. Remove it every 2 to 3 months, wash it, then re-install it.

NOTE: Never work on or clean the range hood while power is ON. Always unplug the unit or switch the electrical breaker to the off position.



Installation Tutorial Video

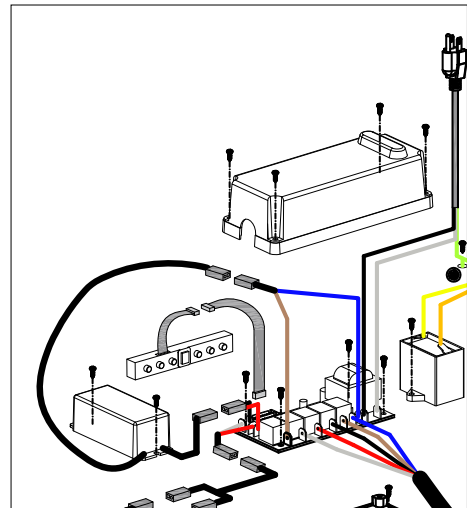
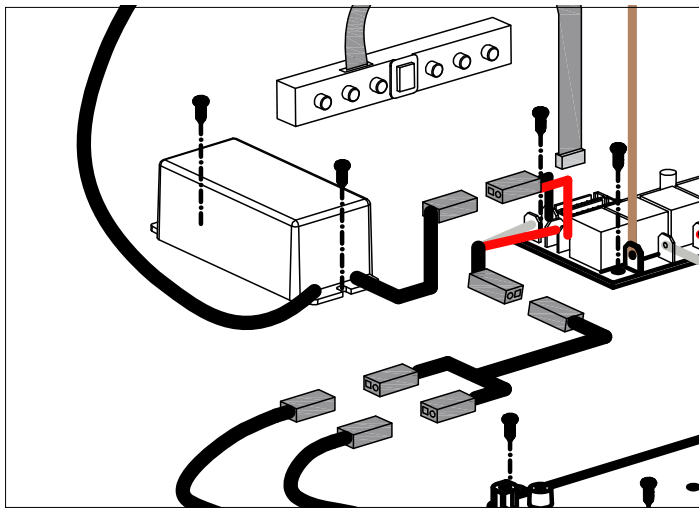
REPLACING PARTS

REPLACE OR CHANGE TRANSFORMER:

1. Remove the screws from the transformer.
2. Remove the two connections to the lights.
3. Remove the two wired connections from the circuit board (you must remove the circuit board cover).
4. Install the new connections from your new transformer (be certain the correct wires are connected).
5. Reinstall the cover for the circuit board with screws.
6. Replace all screws in the transformer.
7. Reconnect the lights to the transformer.

NOTE: On units made before 2017 with three or more lights, there will be dual transformers.

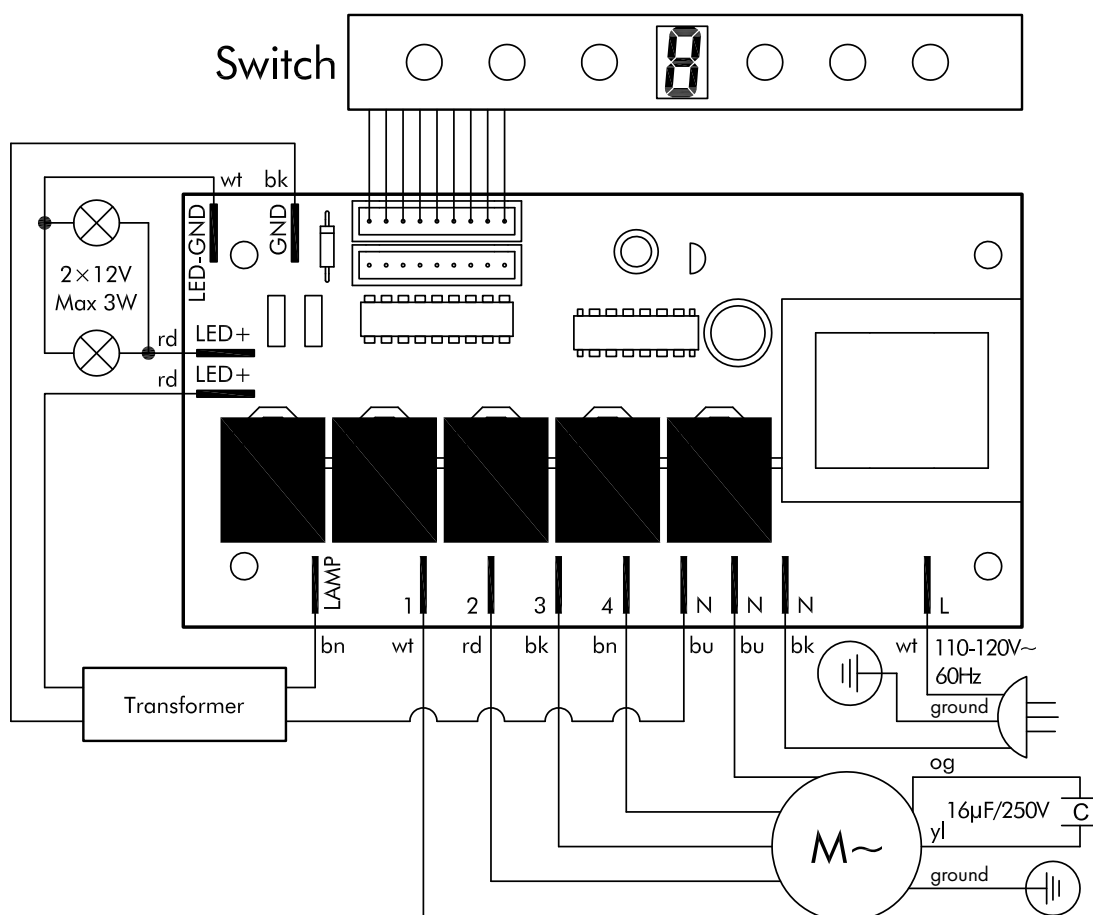
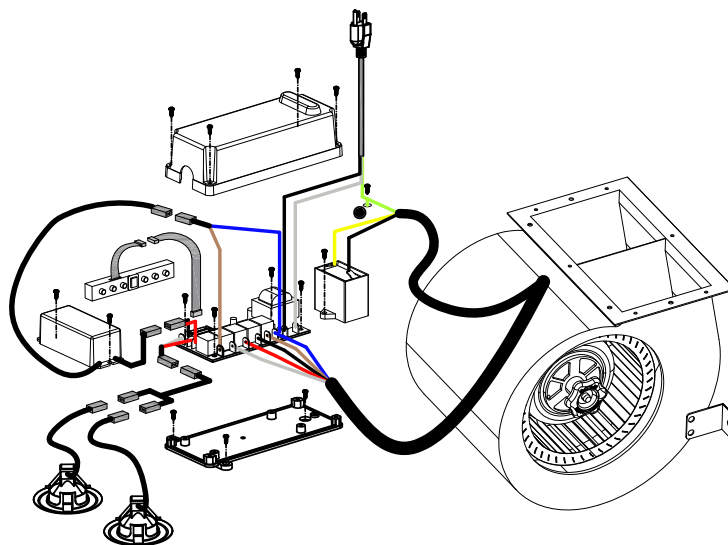
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Installation Tutorial Video

REPLACING PARTS

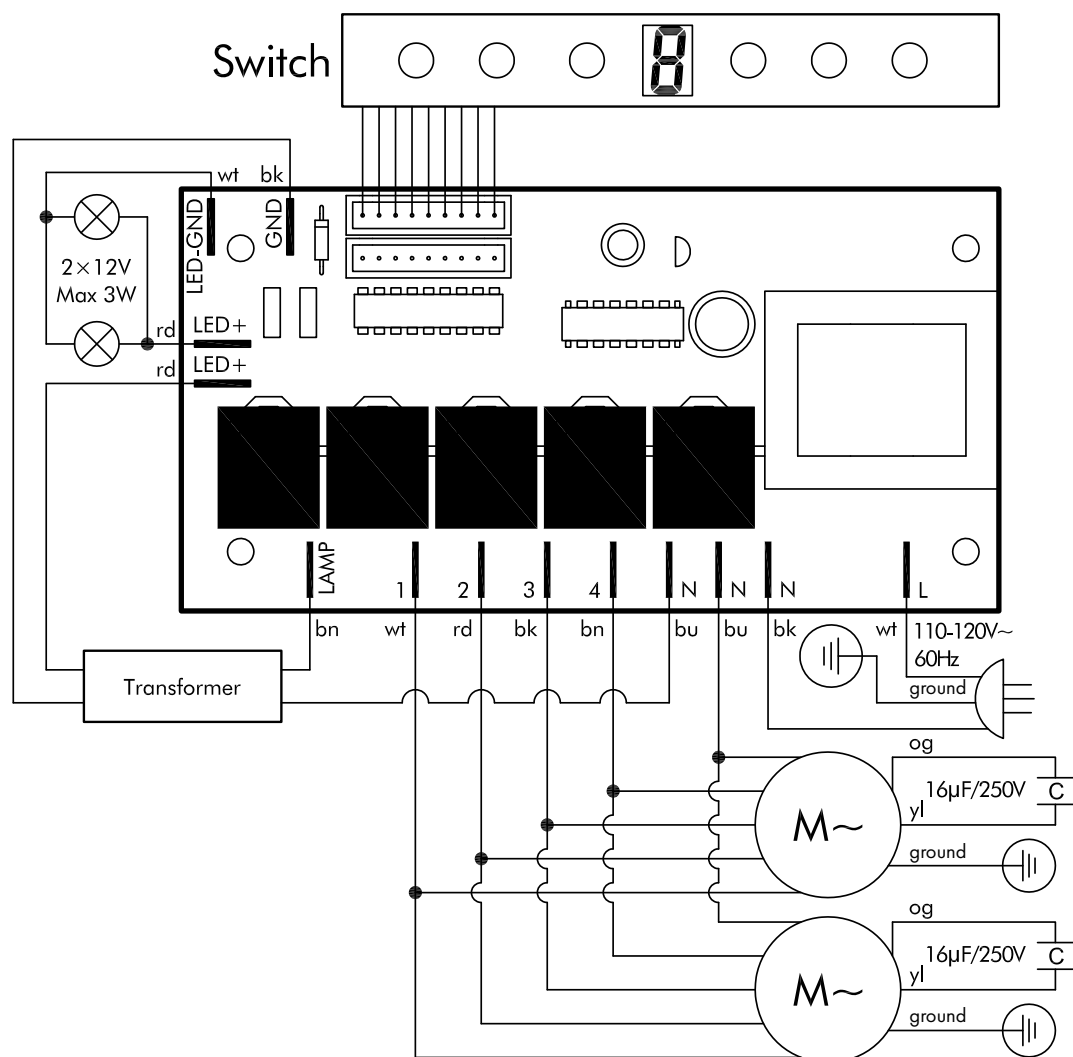
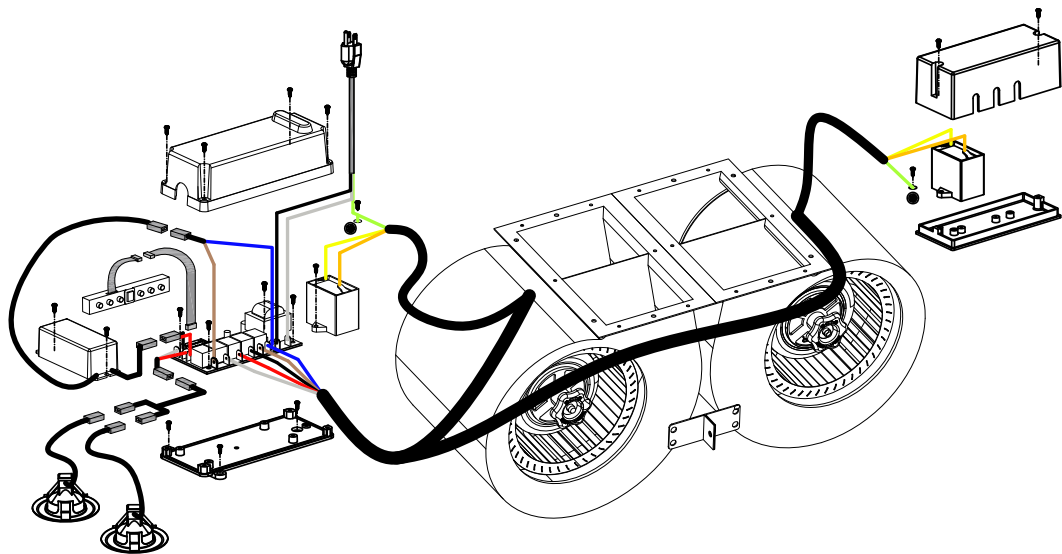
SINGLE MOTOR ELECTRICAL DIAGRAM



The above circuit board diagram is for reference only, the one installed may vary slightly.

REPLACING PARTS

DUAL MOTOR ELECTRICAL DIAGRAM



The above circuit board diagram is for reference only, the one installed may vary slightly.

TROUBLESHOOTING

Where are ZLINE products manufactured?

All ZLINE products are manufactured in ZLINE facilities overseas, including: Germany, Italy, and China.

Are ZLINE range hoods considered type 1 or type 2?

Type 1 - Range hoods that are used with appliances that produce grease and smoke.

Are ZLINE products meant for residential or commercial use?

Residential use.

Why is my range hood white?

This is a protective layer that is placed on all of our range hoods to prevent shipping damage. This should be easy removable by peeling it off.

Why are my range hood baffle filters blue?

This is a protective layer that is placed on our baffle filters to prevent shipping damage. This should be easy removable by peeling it off.

What size hood should I choose for CFM purposes?

1. You must determine the output of the cooktop burners of your range; this is measured in British Thermal Units (BTUs).
2. You should provide 100 CFM of airflow per linear foot of range. To determine this, divide the BTU rating of your range by 100. This will give you the rating of the Cubic Feet per Minute (CFM's) rating needed of your range hood. For example: If your range is 35,000 BTUs, your range hood should have a rating of 350 CFM's or greater.
3. To determine the size of the range hood for satisfactory capture, it is recommended to go at least one size larger than your range, about 3" to 6" wider. At minimum, it should be the same size of your range. The range hood width should cover 100% of the back burners and 50% of the front burners.
4. The height of your range hood should be between 30" to 36" above your cooktop. Example: 60,000 BTU's = 600CFM's

TROUBLESHOOTING

How loud is the range hood?

A sone is measure of loudness, the higher the sone rating, the louder the sound of the hood. The sound of one sone is comparable to that of a quiet refrigerator. Keep in mind that other factors such as the size of the blowers can affect the loudness of the range hood. The higher the CFM, the louder the sone rating will be.

Can my hood be ductless?

Ideally, it is better to duct your range hood to the outside, but if this is not possible, ductless is a great alternative. Many of our range hoods do have the capability to be converted to ductless. Ductless is when the air circulates through the carbon filter removing odors, grease, smoke etc. The clean air is re-circulated back into your home through carbon/charcoal filters. These filters are not reusable and will need to be changed out once every six months, depending on cooking style and frequency.

What type of stainless steel are our hoods made of?

Our indoor stainless steel hoods are made with a 430 stainless steel. Our outdoor hoods are made of 304 stainless steel. This type is stronger and more resistant to rust and corrosion.

Can I stain my unfinished hood?

No, unfinished hoods are only compatible with paint.

Do I need a chimney extension or a shortening kit when I purchase my hood?

Selected hoods come with one chimney piece for ceilings ranging from 9' to 12' tall. Ensure you check the chimney dimensions for your hood under the product specifications beforehand.

How many amps are produced on the highest fan setting?

For dual motors, it is up to 3.317 amps on the highest fan setting. For single motors, it is 1.678 amps.

TROUBLESHOOTING

What type of motor is in the range hoods?

Our hoods have a squirrel cage motor.

Is the width of my range hoods description, the actual size?

No, the actual size of the range hood will be slightly less than the generic description of the range hood. For instance: a 30" range hood will most likely be 29-1/2".

Refer to your particular model for the exact width.

How do I clean my grease filter and how often?

Your grease filter should be washed with hot water and detergent once per month or placed in a dishwasher for cleaning. Make certain the filter is completely dry before reinstalling. Re-place the grease filter if it becomes damaged or too dry to clean.

Can I clean my charcoal, odor filter?

No, charcoal odor filters cannot be washed and must be discarded and replaced, when they become noticeably dirty, have stopped filtering the odors, or at least once per year.

What is the best way to duct my range hood?

To maximize your range hood's performance, match your duct size to the original size of the fan's ducting. Use the shortest amount of ducting as possible and keep the ducting as straight as possible. Do not exceed 40 feet of ducting. For every elbow deduct five feet from the total.

Do I have to exhaust the range hood to the outdoors?

Yes. If installing a range hood that has ductwork connected to it (any hoods that do NOT recirculate the air back into the room), to properly exhaust the air, be sure to duct the air out side. DO NOT vent exhaust air back into the spaces within the walls, ceilings, attics, crawl spaces, or garages. A buildup of humidity and grease could cause damage and/or a fire risk to your home.

TROUBLESHOOTING

My hood is operating, but the air is moving slower than normal.

Check the filter for buildup and clean or replace it if needed. If the difficulty still persists, check for obstructions in the ductwork. A common obstruction is buildup in the roof or wall cap, such as: bird nests or other debris.

What is make-up air?

When the range hood ventilates the air out of the room, the air vented must be replaced, this is called make-up air. We do not currently provide a make-up air unit.

NOTE: Always consult any applicable building codes in your area in regards to minimum and maximum air flow rates. Certain states may require additional items such as make-up air for larger CFM range hoods (typically over 300 CFM).

How do I order replacement parts?

Replacement parts can be ordered by contacting our customer service department at 1-614-777-5004. All hoods have a three year warranty on parts. Have your model number or order number available when calling customer service.

How many devices can the Bluetooth speakers sync to at a time?

Only 1 device can sync at a time.

What is the decibel rating of the Bluetooth speakers?

Up to 100 decibels.

What is the range of the speakers? What's the maximum distance for the connection to work?

Up to 50 feet. If the connection is weak, move closer to the speakers or remove obstacles that are between the device and the speakers.

"ZLINE Audio" won't appear in the Bluetooth settings.

Check if the electrical connections are secure. A chime will sound if the connection is successful. If "ZLINE Audio" still will not appear, call ZLINE at 1-614-777-5004 for a replacement.

TROUBLESHOOTING

My range hood will not operate.

1. Check that there is power to the range hood. The most common issue is that the circuit breaker is off or the fuse has blown.
2. Make sure the speed has been selected at the range hood controls.
3. Turn off the power to the range hood and check that all wires are properly connected. Refer to your specific model's installation instructions for proper wiring.

My hood is making a rattling noise.

This is probably attributed to one of the following:

1. The motor is loose—Turn off the power and remove the filter and check that all screws are secure and tight around the motor.
2. The duct work connection is loose—Turn off the power to the unit and check that the ductwork connection to the pipe is tight. Add duct tape if necessary.

My range hood does not have power.

1. Check electrical connections.
2. Check that all connections to the circuit board are secure.
3. If problem still exists, please call our customer service line.

TROUBLESHOOTING

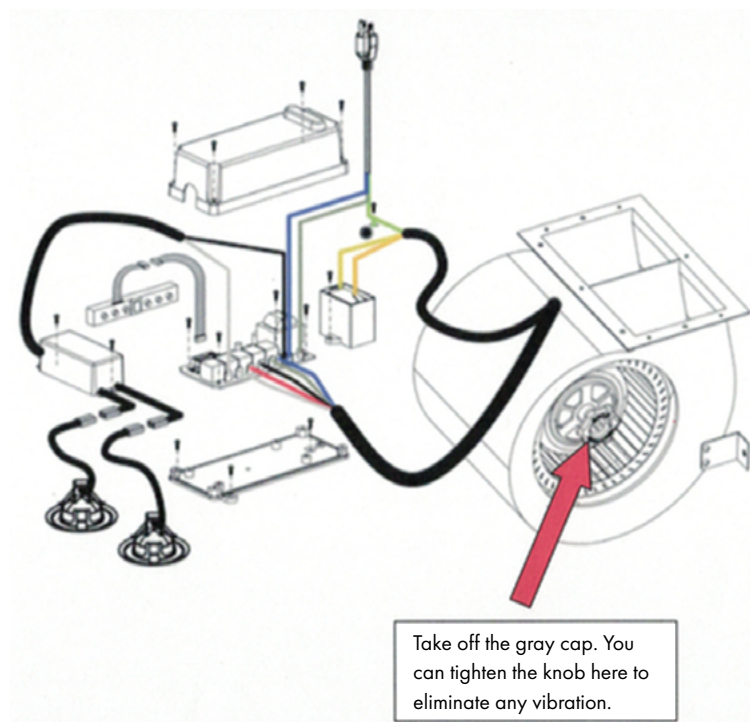
My range hood is not pulling.

- Was the unit plugged in and was the fan checked before installation?
- What distance is the hood mounted above the cook top?
 - Indoor (30"-36"), outdoor (36"-42")
- Is the range hood width the correct size for the cook top?
- Outdoor units should be at least 1 size larger, if not 2
- Does the hood have enough BTU output in relationship to either their gas or electric stove cook top?
 - BTU output per burner/100 - for gas
 - Wattage output per burner/10 - for electric
- Are the baffle filters or mesh filters installed correctly? When were they last cleaned?
- Is the ducting clear?
- Is the damper opening properly once the hood is turned on?
- Is there air coming off the top of the hood?
- Is there air coming out of the upper chimney section?
- When tissue is placed on the baffle filters under the hood, does it hold the tissue?
- How many elbows and how long is the ducting run?
 - Should be no more than 2-3 elbows and no more than a 40 foot run to exit, for every elbow subtract 5 feet
- Is the air recirculating? When were the carbon filters last changed?
 - The carbon filters need changed every 3-6 months based on your cooking habits.

TROUBLESHOOTING

Noisy Motor

- Were the fan speeds checked fan speeds prior to installation?
- Is the ducting clear?
- Check to make sure motor is attached to housing
- Is the backdraft damper on the transition piece functioning properly? Does it open when the hood is engaged?
 - If it is stuck, it will sound like motor noise but it's really the damper
- Was a damper installed on the roof or side vent?
 - Check that the damper is fully functioning by engaging the hood and checking if it opens and closes properly
- If the motor is accessible, the motor knob can be tightened.



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