



30" AND 36" ISLAND-MOUNT RANGE HOOD

Universal Installation Instructions and Use & Care Guide

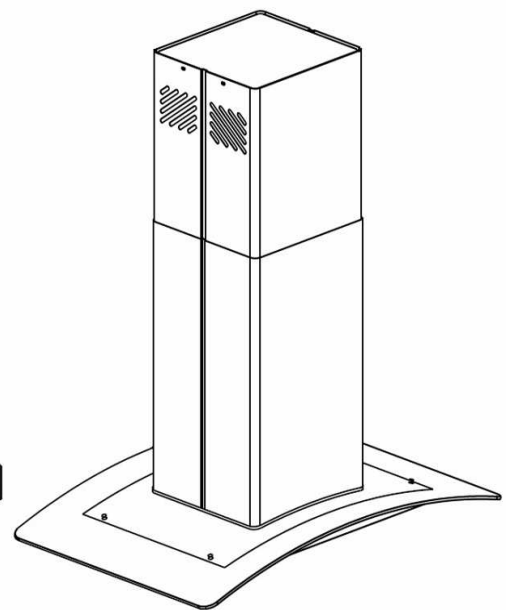
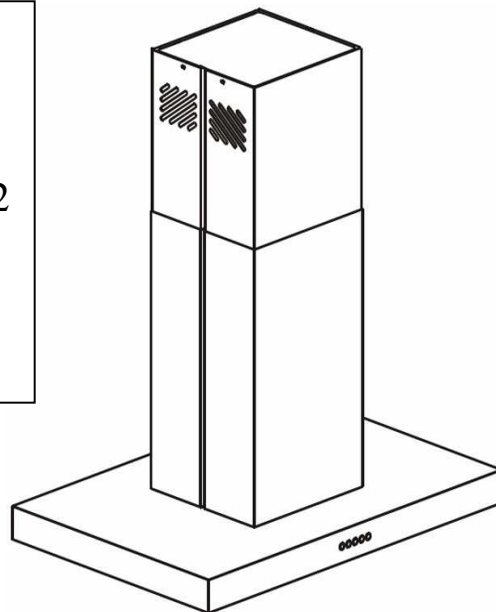
For questions about features, operation/performance parts, accessories or service, call:

1-626-453-0550

or visit our website at...

www.akdytrading.net

Model:	GVA-I
668I	GVC-I
668IS2	GVA-IS2
610I	627I
688I	



IMPORTANT: READ AND SAVE THESE INSTRUCTIONS.
FOR RESIDENTIAL USE ONLY.

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RANGE HOOD SAFETY

Your safety and the safety of others are very important.

We have provided many important safety messages in this manual and on your appliance. Always read and obey all safety messages.



This is the safety alert symbol.

This symbol alerts you to potential hazards that can kill or hurt you and others.

All safety messages will follow the safety alert symbol and either the word "DANGER" or "WARNING."

These words mean:

DANGER

You can be killed or seriously injured if you don't immediately follow instructions.

WARNING

You can be killed or seriously injured if you don't follow instructions.

IMPORTANT SAFETY INSTRUCTIONS

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

- Use this unit only in the manner intended by the manufacturer. If you have questions, contact the manufacturer.
- Before servicing or cleaning the unit, switch power off at service panel and lock the service disconnecting means 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.
- Installation work and electrical wiring must be done by qualified person(s) in accordance with all applicable codes and standards, including fire-rated construction.
- Do not operate any fan with a damaged cord or plug. Discard fan or return to an authorized service facility for examination and/or repair.
- Sufficient air is needed for proper combustion and exhausting of gases through the flue (chimney) of fuel burning equipment to prevent back drafting. Follow the heating equipment manufacturer's guideline and safety standards such as those published by the National Fire Protection Association (NFPA), the American Society for Heating, Refrigeration and Air Conditioning Engineers (ASHRAE), and the local code authorities.
- When cutting or drilling into wall or ceiling; do not damage electrical wiring and other utilities.
- Ducted fans must always be vented outdoors.

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

CAUTION: To reduce risk of fire and to properly exhaust air, be sure to duct air outside - do not vent exhaust air into spaces within walls or ceilings, attics or into crawl spaces, or garages.

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

WARNING: TO REDUCE THE RISK OF A RANGE TOP GREASE FIRE:

- 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.
- Always turn hood ON when cooking at high heat or when flambeing food (i.e. Crepes Suzette, Cherries Jubilee, Peppercorn Beef Flambé).
- Clean ventilating fans frequently. Grease should not be allowed to accumulate on fan or filter.
- 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.
- NEVER PICK UP A FLAMING PAN - you may be burned.
- DO NOT USE WATER, including wet dishcloths or towels - a violent steam explosion will result.
- Use an extinguisher ONLY if:
 - You know you have a class ABC extinguisher, and you already know how to operate it.
 - The fire is small and contained in the area where it started.
 - The fire department is being called.
 - You can fight the fire with your back to an exit.

^aBased on "Kitchen Fire Safety Tips" published by NFPA.

- **WARNING:** To reduce the risk of fire or electrical shock, do not use this fan with any solid-state speed control device.

INSTALLATION REQUIREMENT

TOOLS AND PARTS **REQUIREMENTS**

Electrical drill or ratchet driver

1/2" drill bit for drilling pilot holes

1 1/4" drill bit for drilling electrical wiring access hole.

Screwdrivers: Philips & Straight blade

Pliers

Tape measure or ruler and pencil

Electrical supplies for wiring

Aluminum foils tape and/or duct tape

Hammer

Jigsaw or saber saw

Stud finder



M4*12 QTY : 53 PCS



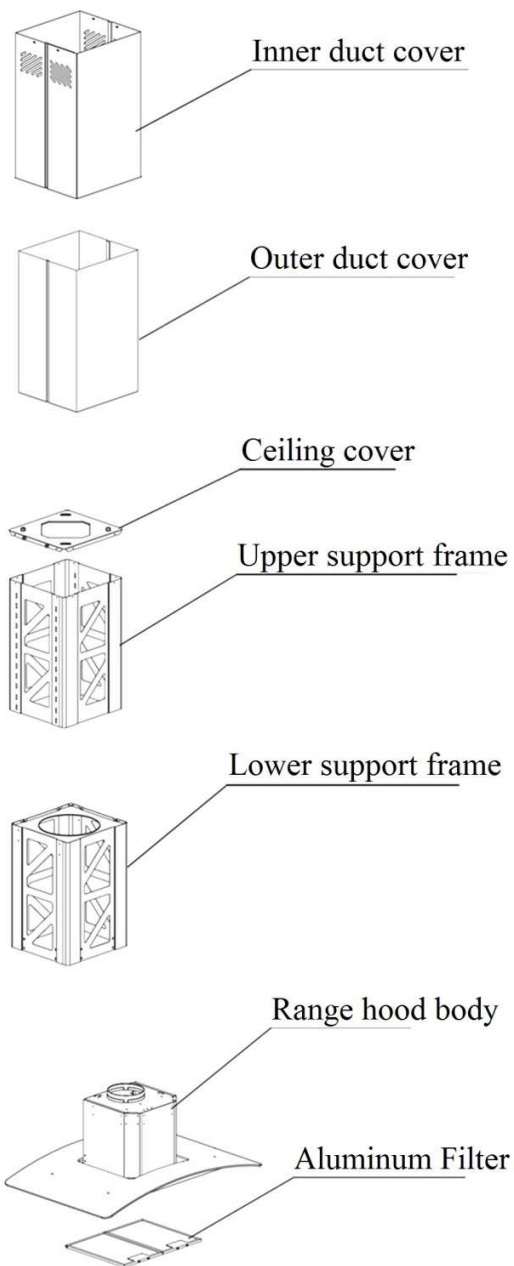
M5*60 QTY : 4 PCS

Parts Supplied

Body	1 Pc
Chimney mounting bracket	1 Pc
Installation manual	1 Set
Chimney Cover	1 Set
Metal grease filter	1-4 Pcs
Air outlet	1 Set
Exhaust pipe	1 Pc
Hardware	1 Set



7.5*52 QTY : 4 PCS



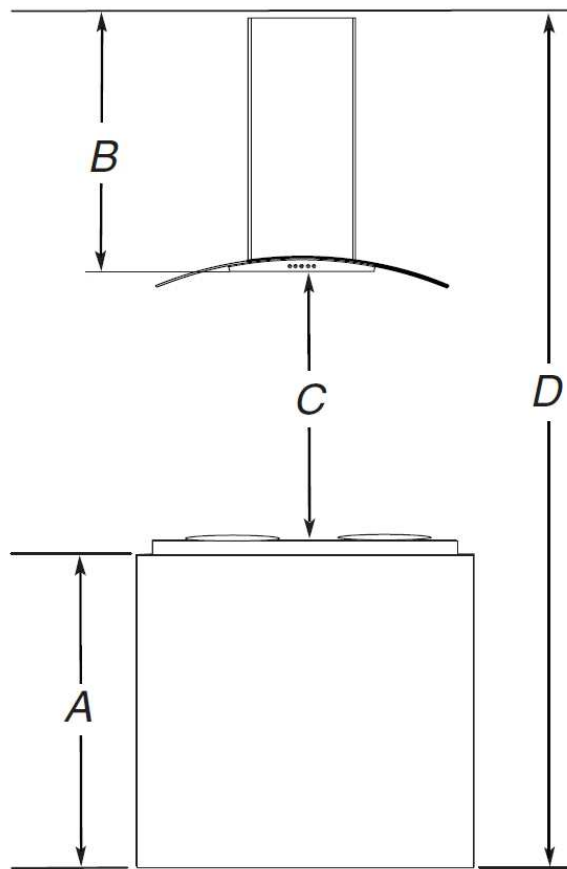
LOCATION REQUIREMENTS

IMPORTANT: Observing all governing codes and ordinances. Have a qualified technician install the range hood. It is the installer's responsibility to comply with installation clearances specified on the model/serial rating plate

Canopy hood location should be away from strong draft areas, such as windows, doors and strong heating vents.

Cabinet opening dimensions that are shown must be used. Given dimensions provide minimum clearance. Aluminum

INSTALLATION DIMENSIONS



- A. Countertop height
- B. Hood height from ceiling to bottom of the range hood filter surface: $D - A - C = B$
- C. Hood height: 24" (61.0 cm) min. from electric cooking surface, 27" (68.6 cm) min. from gas cooking surface, suggested 36" (91.4 cm) max.
- D. Ceiling height

VENTING REQUIREMENTS

- Vent system must terminate to the outdoors, except for non-vented (recirculating) installations.
- Do not terminate the vent system in an attic or other enclosed area.
- Do not use 4" (10.2 cm) laundry-type wall cap.
- The vent system must have a damper. If the roof or wall cap has a damper, do not use the damper supplied with the range hood.

For the most efficient and quiet operation

- Use no more than three 90° elbows.
- Make sure there is a minimum of 24" (61 cm) of straight vent between the elbows if more than 1 elbow is used.
- Do not install 2 elbows together.
- Use clamps to seal all joints in the vent system.
- Use caulking to seal exterior wall or roof opening around the cap.
- The size of the vent should be uniform.

Cold Weather Installations

An additional back draft damper should be installed to minimize backward cold air flow and a thermal break should be installed to minimize conduction of outside temperatures as part of the vent system. The damper should be on the cold air side of the thermal break.

The break should be as close as possible to where the vent system enters the heated portion of the house.

Makeup Air

Local building codes may require the use of makeup air systems when using ventilation systems greater than specified CFM of air movement. The specified CFM varies from locale to locale. Consult your HVAC professional for specific requirements in your area.

Venting Method

This island hood is factory set for through the roof.

A 6" (15.2 cm) round vent system is needed for installation. The hood exhaust opening is 6" (15.2 cm) round.

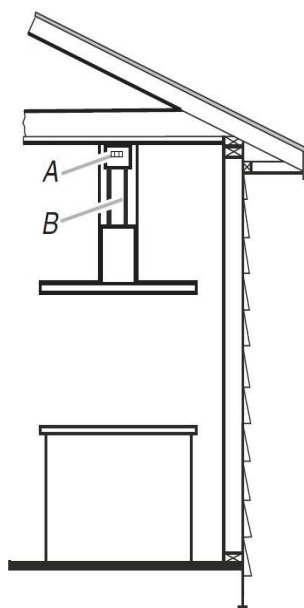
Rear Discharge

A 90° elbow may be installed immediately above the hood.

For Non-Vented (recirculating) Installations

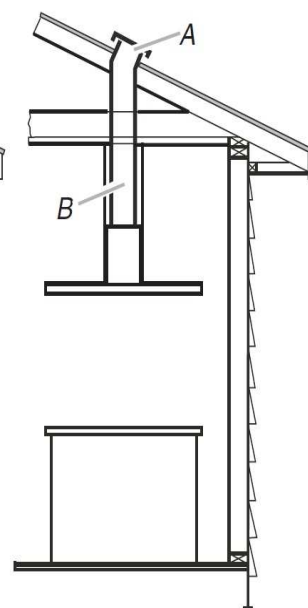
If it is not possible to vent cooking fumes and vapors to the outside, the hood can be used in the non-vented (recirculating) version, fitting a carbon filter at the motor. Fumes and vapors are recycled through the top grille. Do not block the chimney holes.

Non-vented (recirculating)



A. Chimney hole
B. 6" (15.2 cm) round vent



Roof Venting



A. Roof cap
B. 6" (15.2 cm) round vent

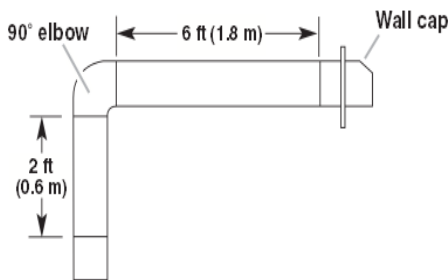
Calculating Vent System Length

To calculate the length of the system you need, add the equivalent feet (meters) for each vent piece used in the system.

Vent Piece	6" (15.2 cm) Round	
45° elbow	2.5 ft (0.8 m)	
90° elbow	5.0 ft (1.5 m)	

Maximum equivalent vent length is 35 ft (10.7 m).

Example vent system



The following example falls within the maximum recommended vent length of 35 ft (10.7 m).

1 - 90° elbow	= 5.0 ft (1.5 m)
1 - wall cap	= 0.0 ft (0.0 m)
6 ft (2.4 m) straight	= 6.0 ft (2.4 m)
Length of system	= 13.0 ft (3.9 m)

ELECTRICAL REQUIREMENTS

Observe all governing codes and ordinances. Ensure 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. A copy of the above code standards can be obtained from:

National Fire Protection Association
1 Batterymarch Park
Quincy, MA 02169-7471
CSA International
8501 East Pleasant Valley Road
Cleveland, OH 44131-5575

■ A 120 volt, 60 Hz., AC only, 15-amp, fused electrical circuit is required.

■ If the house has aluminum wiring, follow the procedure below:

1. Connect a section of solid copper wire to the pigtail leads.
2. Connect the aluminum wiring to the added section of copper wire using special connectors and/or tools designed and UL listed for joining copper to aluminum. Follow the electrical connector manufacturer's recommended procedure. Aluminum/copper connection must conform with local codes and industry accepted wiring practices.

■ Wire sizes and connections must conform with the rating of the appliance as specified on the model/serial rating plate. The model/serial plate is located behind the filter on the rear wall of the range hood.

■ Wire sizes must conform to the requirements of the 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.

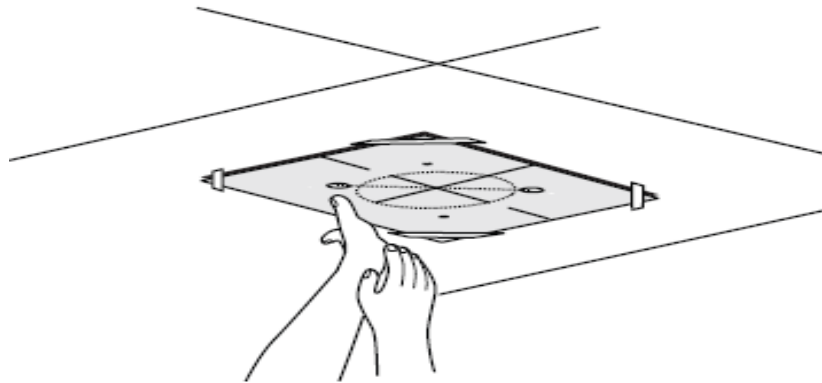
INSTALLATION INSTRUCTIONS

PREPARE LOCATION

- Lay out the vent duct system before installing the range hood to determine the best routing for the vent duct.
 - It is recommended that the vent system be installed before the range hood is installed.
 - Before making cutouts, make sure there is proper clearance within the ceiling for exhaust vent.
 - Range hood is to be installed 24" (61.0 cm) min. for electric cooking surfaces, 27" (68.6 cm) min. for gas cooking surfaces, to a suggested maximum of 36" (91.4 cm) above the cooking surface.
 - Remove film from metal surfaces as needed prior to assembly.
 - Check your ceiling height and the range hood height maximum before you install your hood.
1. Disconnect power.
 2. Determine which venting method to use: roof or non-vented.

Range Hood Mounting Screws Installation

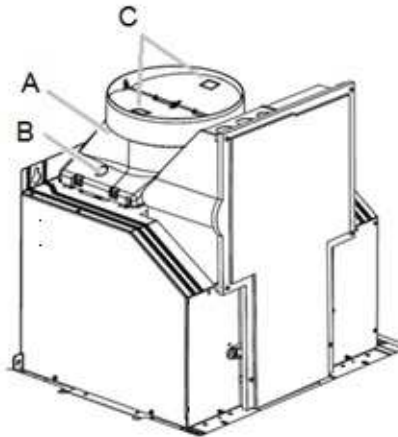
1. Determine and mark the centerline on the ceiling where the range hood will be installed, considering the requirements for ceiling support structures. See the "Location Requirements" section. Make sure the range hood is centered over the cooking surface.
2. Tape template (not included) in place on the ceiling at the marked centerline. The line for the front of the range hood should be parallel to the front of the cook top.



3. Use a pencil to mark the mounting screws, wire access and duct hole locations on the ceiling.
- NOTE:** Mounting hole locations should be into a ceiling support structure capable of holding 80 lbs (36.6 kg).
4. Remove the template.
 5. Drill 4 - 3/16" (4.8 mm) pilot holes for mounting the upper horizontal support.

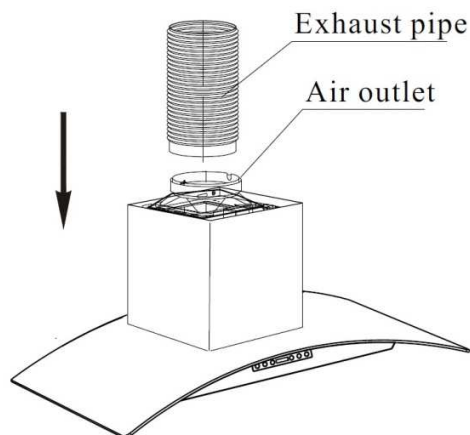
Complete Preparation

1. Determine the required location for the home power supply cable and drill a $\frac{1}{2}$ " (1.3 cm) diameter hole for wire access.
2. Run $\frac{1}{2}$ " (1.3 cm) conduit and wires or home power supply cable according to the National Electrical Code or CSA Standards and local codes and ordinances. There must be enough $\frac{1}{2}$ " conduit and wires or home power supply cable from the fused disconnect (or circuit breaker) box to make the connection in the hood's electrical terminal box.
3. **For vented installations only:** Using a jigsaw or keyhole saw, cut a $6\frac{1}{2}$ " (16.5 cm) diameter hole for the vent duct.
4. Install air outlet and air outlet gasket (if removed for shipping) with M4*12 screws.

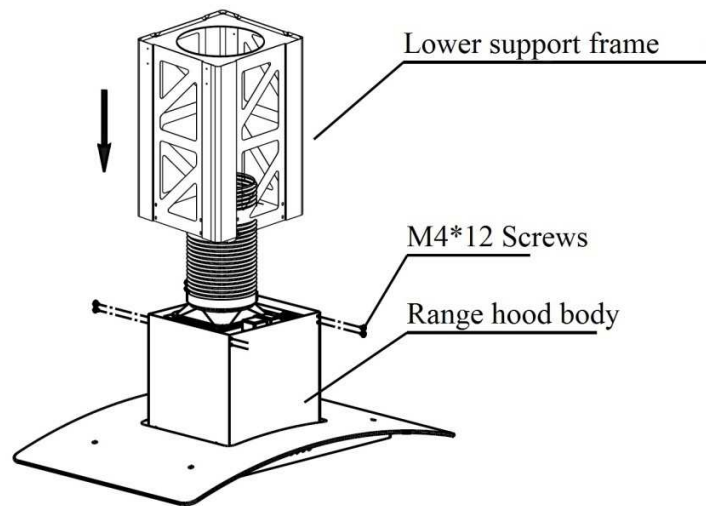


A. Air outlet
B. M4*12 Screw
C. Remove the tape from the flapper

5. Install the exhaust pipe.

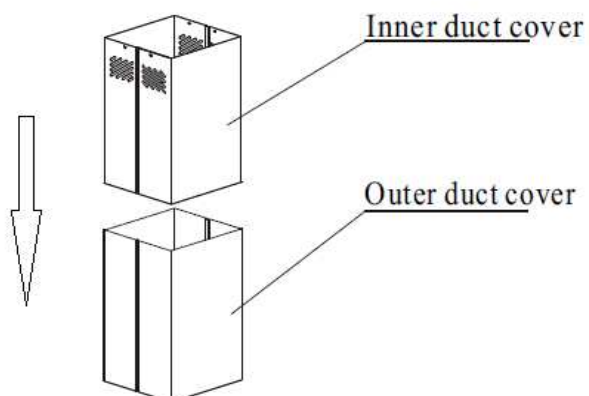


6. Install the inner support frame to the holes on the range hood body with M4*12 screws.

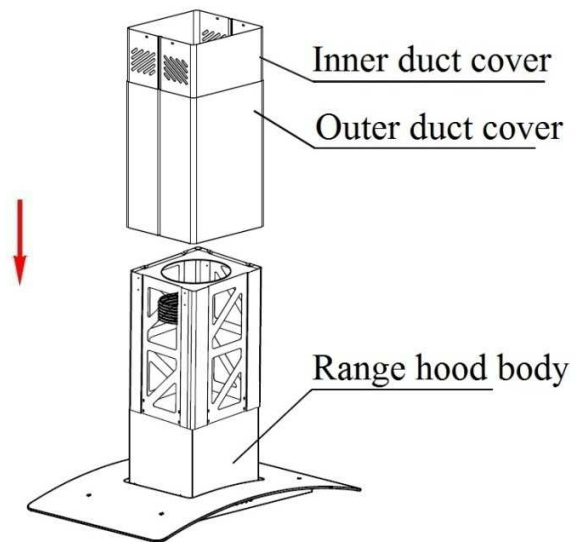


7. Remove all protective film from the duct cover.

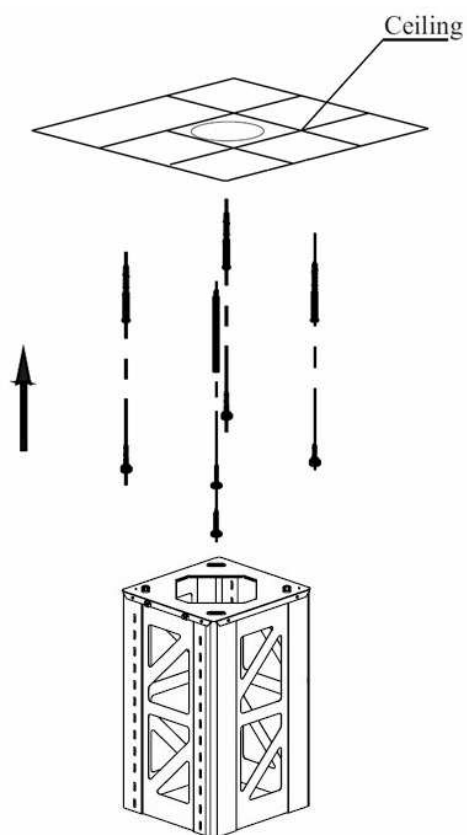
8. Attach inner (Upper) duct cover into outer (Lower) duct cover



8. Install Inner and outer duct covers on the range hood body

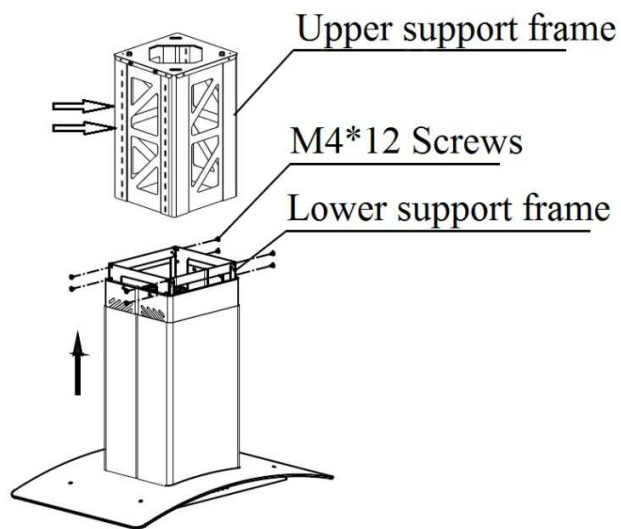
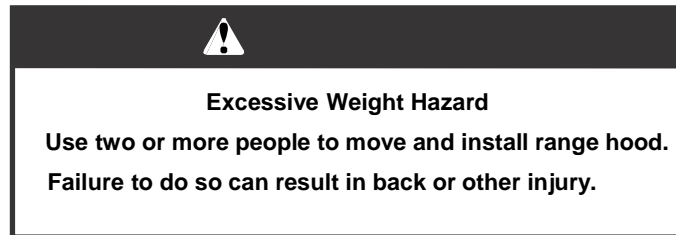


9. Install the outer support frame on to the ceiling with four 7.5*52 drywall anchors and M5*60 screws.



INSTALL RANGE HOOD

1. Using 2 or more people lift the range hood assembly and attach it to the upper support frame.



2. Install M4*12 screws on both side and tighten to secure.
3. Plug in the power supply cable.

COMPLETE INSTALLATION(FOR NON- VENTED(RECIRCULATING) INSTALLATION ONLY

Step 1: Do not install exhaust pipe, remove the grease filters, locate the blower inside the hood

Step 2: Attach the carbon filters to both sides of the blower

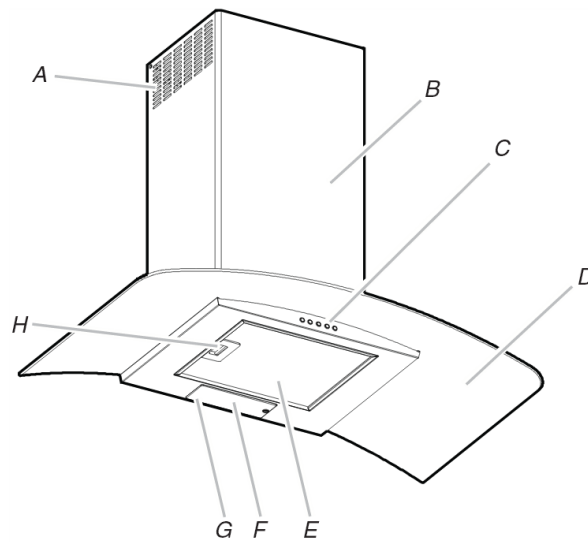
Step 3: Twist the carbon filter until it is in the locking position

Step 4: Reinstall the grease filters, reconnect the power.

RANGE HOOD USE

The range hood is designed to remove smoke, cooking vapors and odors from the cook top area. For best results, start the hood before cooking and allow it to operate several minutes after the cooking is complete to clear all smoke and odors from the kitchen.

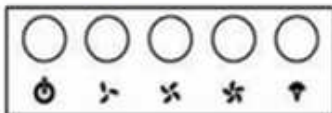
The hood controls are located on the front side of the canopy.



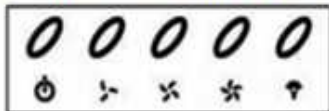
- A. Chimney holes (For non-vented installation only)
- B. Chimney
- C. Control panel
- D. Range hood body
- E. Grease filter
- F. Lamp cover
- G. Incandescent lamp (position and number of lamps may be vary)
- H. Grease filter release handle

RANGE HOOD CONTROLS

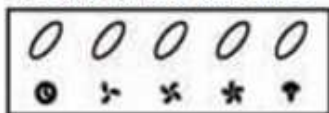
Push button



Electric switch without timer



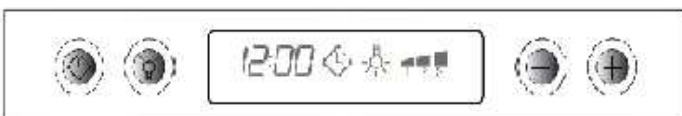
Electric switch with timer












LED switch



Touch control



-  Switch on/off
-  Low speed
-  Medium speed
-  High speed
-  Light
-  Timer
-  LED display
-  Increase speed
-  Decrease speed

Operating the lights

The On/Off light button controls both lights. Press once for on and again for off.

Operating the blower

The blower speed buttons turn the blower on and control the blower speed and sound level for quiet operation. The speed can be changed anytime during fan operation by pressing the desired blower speed button.

The blower off button turns the blower off.

Adjusting the clock

Hold the clock button for two seconds, press "+" or "-" sign to adjust the hour, then press the clock button once again to adjust the minutes. (Some range hoods are using military time, time format are not adjustable)

RANGE HOOD CARE

Cleaning

IMPORTANT: Clean the hood and grease filters frequently according to the following instructions.

Replace grease filters before operating hood.

Exterior Surfaces

To avoid damage to the exterior surface, do not use steel wool or soap-filled scouring pads.

Always wipe dry to avoid water marks.

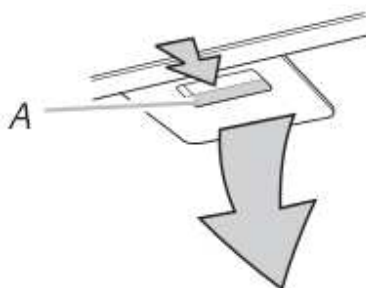
Cleaning Method

Liquid detergent soap and water, or all-purpose cleanser.

Wipe with damp soft cloth or nonabrasive sponge, then rinse with clean water and wipe dry.

Metal Grease Filter

1. Remove the filter by pulling the spring release handle and then pulling down the filter.



A. Spring release handle

2. Wash metal filters as needed in dishwasher or hot detergent solution.
3. Reinstall the filter by making sure the spring release handles are toward the front. Insert aluminum filter into upper track.
4. Push the spring release handle.
5. Push on metal filter and release handle to latch into place.

Non-Vented (recirculating) Installation Filters:

The carbon filter is not washable. It should last up to 6 months with normal use. For replacement please visit our website www.akdytrading.net .

Replacing the LED light

Turn off the range hood and allow the LED to cool. To avoid damage or decreasing the life of the new bulb, do not touch bulb with bare fingers. Replace bulb, using tissue or wearing cotton gloves to handle bulb. If new LED light do not operate, make sure the lamps are inserted correctly before calling service. For replacement please visit our website www.akdytrading.net .

TROUBLE SHOOTING

Potential Effect of Failure	Potential Cause(s)	Recommended Action(s)
Lamp does not turn ON	Electronic Control does not work. Due to Over Voltage	a) Pressing any key the LCD lights up and icons are in place? Yes, Proceed with the following diagnostic sequence No, Replace the control and user interface.
	Non functional lamp	1) Remove the lamp. 2) Verify the lamp to be non functional reviewing that the filament is not burned and be in correct place. 3) Replace if needed.
	During the hood cleaning, the motor connector has been loose and a false contact in the main harness is performed.	1) Open the control box removing the screws. 2) Remove power supply from the hood. 3) Verify that the connector coming from the motor is well connected to the connector mounted in the plastic verifying that the locking system in the connectors is well locked. 4) If the connectors are not well connected: - Hold and press main connectors attached in the white plastic. - Push inwards the motor/lamp connectors until the locking system on connectors is well attached. 5) Connect hood to power supply and verify.
FAN does not work	Electronic Control does not work. Due to Over Voltage	a) Pressing any key the LCD lights up and Icons are in place? Yes, Proceed with the following diagnostic sequence No, Replace the control and user interface.
	During the hood cleaning, the motor connector has been loose and a false contact in the main harness is performed.	1) Open the control box removing the screws. 2) Remove power supply from the hood. 3) Verify that the connector coming from the motor is well connected to the connector mounted in the plastic and that the locking system in the connectors is well locked. 4) If the connectors are not well connected: - Hold and press main connectors attached

		<p>in the white plastic.</p> <ul style="list-style-type: none"> - Push inwards the motor/lamp connectors until the locking system on connectors is well attached. <p>5) Connect hood to power supply and verify.</p>
The blower is too noisy	Filters are dirty	<p>1) Verify that the grease and/or charcoal filters are clean.</p> <p>2) If they are not clean change charcoal filter, or wash grease filter and verify.</p>
False contact in the connectors	During the hood cleaning, the motor connector has been loose and a false contact in the main harness is performed.	<p>1) Open the control box removing the screws.</p> <p>2) Remove power supply from the hood.</p> <p>3) Verify that the connector coming from the motor is well connected to the connector mounted in the plastic and that the locking system in the connectors is well locked.</p> <p>4) If the connectors are not well connected:</p> <ul style="list-style-type: none"> - Hold and press main connectors attached in the white plastic. - Push inwards the motor/lamp connectors until the locking system on connectors is well attached. <p>5) Connect hood to power supply and verify.</p>
The hood and or the lamp does not work	A terminal or connector is loose	<p>1) Open the control box removing the 6 screws.</p> <p>2) Remove power supply from the hood.</p> <p>3) Verify that the connector coming from the motor is well connected to the connector mounted in the plastic and that the locking system in the connectors is well locked.</p> <p>4) If the connectors are not well connected:</p> <ul style="list-style-type: none"> - Hold and press main connectors attached in the white plastic. - Push inwards the motor/lamp connectors until the locking system on connectors is well attached. <p>5) Connect hood to power supply and verify.</p>

AKDY HOME IMPROVEMENT MAJOR APPLIANCE WARRANTY

LIMITED WARRANTY

For three year from the date of purchase, when this major appliance is operated and maintained according to instructions attached to or furnished with the product, AKDY Home Improvement will pay for Factory Specified Parts. This limited warranty is valid only in the United States or Canada and applies only when the major appliance is used in the country in which it was purchased. Outside the 50 United States and Canada, this limited warranty does not apply. Proof of original purchase date is required to obtain service under this limited warranty.

ITEMS EXCLUDED FROM WARRANTY

This limited warranty does not cover:

1. Service calls to correct the installation of your major appliance, to instruct you on how to use your major appliance, to replace or repair house fuses, or to correct house wiring or plumbing.
2. Service calls to repair or replace appliance light bulbs, air filters or water filters. Consumable parts are excluded from warranty coverage.
3. Repairs when your major appliance is used for other than normal, single-family household use or when it is used in a manner that is contrary to published user or operator instructions and/or installation instructions.
4. Damage resulting from accident, alteration, misuse, abuse, fire, flood, acts of God, improper installation, installation not in accordance with electrical or plumbing codes, or use of consumables or cleaning products not approved by AKDY Home improvement.
5. Cosmetic damage, including scratches, dents, chips or other damage to the finish of your major appliance, unless such damage results from defects in materials or workmanship and is reported to AKDY Home improvement within 30 days from the date of purchase.
6. Any food loss due to refrigerator or freezer product failures.
7. Costs associated with the removal from your home of your major appliance for repairs. This major appliance is designed to be repaired in the home and only in-home service is covered by this warranty.
8. Repairs to parts or systems resulting from unauthorized modifications made to the appliance.
9. The removal and reinstallation of your major appliance if it is installed in an inaccessible location or is not installed in accordance with published installation instructions.
10. Major appliances with original model/serial numbers that have been removed, altered or cannot be easily determined. This warranty is void if the factory applied serial number has been altered or removed from your major appliance. The cost of repair or replacement under these excluded circumstances shall be borne by the customer.

DISCLAIMER OF IMPLIED WARRANTIES; LIMITATION OF REMEDIES

CUSTOMER'S SOLE AND EXCLUSIVE REMEDY UNDER THIS LIMITED WARRANTY SHALL BE PRODUCT REPAIR AS PROVIDED HEREIN. IMPLIED WARRANTIES, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED TO ONE YEAR OR THE SHORTEST PERIOD ALLOWED BY LAW. AKDY HOME IMPROVEMENT SHALL NOT BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES. SOME STATES AND PROVINCES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, OR LIMITATIONS ON THE DURATION OF IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS, SO THESE EXCLUSIONS OR LIMITATIONS MAY NOT APPLY TO YOU. THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS WHICH VARY FROM STATE TO STATE OR PROVINCE TO PROVINCE.

If you need service, first see the "Troubleshooting" section of the User Manual. After checking "Troubleshooting," you may find additional help by calling AKDY Home Improvement. In the U.S.A., call 1-626-453-0550 or visit our website at www.akdytrading.net. **Keep this book and your sales slip together for future reference. You must provide proof of purchase or installation date for in-warranty service.** Write down the following information about your major appliance to better help you obtain assistance or service if you ever need it. You will need to know your complete model number and serial number. You can find this information on the model and serial number label located on the product.

Dealer name _____
Address _____
Phone number _____
Model number _____
Serial number _____
Purchase date _____