

WINDSTER™

MODEL : HI

OPERATION MANUAL



Please read and save this guide through before using your Island hood.
Store the guide away in a safe place so that you will know where it is,
when you want to refer to it.

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Safety Note

Please wear "Safety Workman Gloves" for installation, cleaning, light bulb changing and dismantling to reduce the risk of any bodily injuries.

Safety Workman Gloves



A. IMPORTANT SAFETY INSTRUCTIONS

Read and Save These Instructions

I. Installation

DO NOT INSTALL WHEN YOU FIND THE OUTLOOKING / APPEARANCES OF THIS APPLIANCE ALREADY DAMAGED.

The installation in this manual is intended for qualified persons. **NEVER** attempt to install this appliance by yourself. Injury could result from installing the unit owing to lack of appropriate electrical and technical experience.

All electrical wiring must be properly installed, insulated and grounded. Old duct work should be cleaned or replaced if necessary to avoid the risk of a grease fire. Check all joints on ductwork to insure proper connection and all joints should be properly taped.

II. Operation

Read all instructions in this manual before operating this appliance. Save this instructions for future reference.

Always keep safety grills and filter in place. Without these components, operating blower could catch onto hair, fingers and loose clothing.

NEVER dispose cigarette ashes, ignitable substances, or any foreign objects into blower.

NEVER leave cooking unattended. When frying, oil in the pan can easily over heat and catch fire. The risk of self-combustion is higher when the oil has been used several times.

NEVER cook on "open" flame under this appliance. Check deep-fryers during use.

III. Cleaning

The saturation of greasy residue in the blower and filters may cause increased inflammability. Keep the appliance clean and free of grease and residue build-up at all times to prevent possible fires.

Filters must be cleaned periodically and free from accumulation of cooking residue. Old and worn filters must be replaced immediately.

DO NOT OPERATE BLOWER WHEN FILTER ARE REMOVED.

NEVER disassemble parts to clean without proper instructions. Disassembly is only recommended to be performed by qualified persons only.

B. SAFETY NOTES

It is very important for your safety and safety of others. Provided following are 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 how to reduce the chance of injury, and tell you what can happen if the instructions are not followed.

READ AND SAVE THIS INSTRUCTIONS.

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

WARNING : II. To reduce the risk of fire, use only metal duct.

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

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 unit, switch power off at service panel and lock 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.
- 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), and 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 hidden utilities.
- Dusted fans must always be vented to the outdoors.

To reduce the risk of an orange top grease fire:

- Never leave surface units unattended at high settings. Boilover 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 cooking flaming 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.

To reduce the risk of injury to persons in the event of an orange top grease fire, observe the following :

- **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 dishclothes or towels - a violent steam explosion will result.
- 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 without back an exit.

To get the best performance, the vertical clearance between the cook-top and the island hood should range from 28" to 36".

C. TOOLS AND MATERIALS REQUIRED

- Flat blade and Phillips screwdrivers.
- Electrical wire and supplies to comply with local codes.
- Powered screwdriver or drill.
- Measuring tape and level.
- Adjustable wrench.
- Utility knife or cutter.
- Marker or pencil.

D. PARTS SUPPLIED



Upper standard chinney

Island hood (vary with model).



Lower standard chinney



Air diverter
(Optional for Circulation)



Aluminum Filter(s)



Charcoal Filter
(Optional for circulation)



Aluminum Duct Tube

No	Description	Quantity
01	Hexagonal Wood Screws	4
02	Duct Set	1
03	Inner Supporting Frame with Top Plate	1
04	Outer Support Frame	4
05	This operation manual and Warranty Card	1
06	4mm x 16mm Round Phillips Head Screw	18
07	4mm x 16mm Phillips Head Tapping Screw	24
08	4mm x 8mm Phillips Head Tapping Screw	16
09	Optional : 4mm x 8mm Phillips Head Tapping Screw for Air Diverter	4
10	Optional : Phillips Head Screw for Charcoal Filter	2

E. INSTALLATION

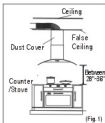
I. Venting Check

- Vent system must terminate to the outside(through roof or side wall), unless using a circulation system. (Optional for a recirculating air diverter and charcoal fiber).
- Do not terminate the vent system in an attic or any other enclosed area.
- Recommended to use metal/ flexible aluminum vent only.
- Never use a plastic vent.
- Always Keep the duct clean to ensure the proper airflow(Fig.1).

II. Important :

Must measure following steps before installation.

1. Distance from the floor to the ceiling.
2. Distance between the floor to the counter top / stove.
3. Distance between the counter / stove.
4. Height of island hood and dust cover.



III. Tips for the most efficient and quiet operation:

- It is recommend that this Island hood be vented vertically through the roof through a 6" (15cm) diameter metal / aluminum vent work.
- The size of the vents should be kept in uniform.
- Do not use more than three 90° elbows .
- Make sure there is a minimum of 2-4" (61cm) of straight vent between the elbows if more than one elbow is used.
- **NEVER** install two elbows together.
- The length of vent system and number of elbows. Should be kept to a minimum to provide efficient performance.

- Use ducttape to seal all joints in the vent system.
- Use caulking to seal exterior wall or roof opening around the cap.

I. Important :

- A minimum of 6" diameter (standard for this island hood) must be used to maintain maximum airflow efficiency.
- ALWAYS, try to reduce the number of transitions and turns.
- If turns or transitions are definitely required: install as far away from opening and as far apart, between 2 as possible.
- Reducing duct size will restrict airflow and decrease airflow, if no choice, thus reduce duct size as far away from opening as possible.
- It is important to install this island hood at the proper mounting height. Hood mounted too low could result in heat damage and fire hazard, while hood mounted too high will be hard to reach and will lose its performance and efficiency.

F. VENTILATION METHODS

A. DUCTING

This island hood is originally set for venting through the roof or wall. Per request, it will be also available for ductless (Circulation) installation, to purchase optional circulating Air-diverted charcoal filter.

- Vent work can terminate either through the roof or wall, to vent through a wall, a 90° elbow is needed.

NOTE :

- **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.
- Fasten all connections with sheet metals screws and tape all joints with Ducttape.

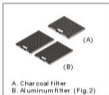
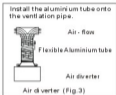
Vertical roof venting. Choose 1 or 2.



Ducting through the roof

B. Ductless

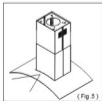
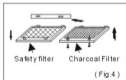
- Ductless conversion is a "purifying" unit. a set of charcoal filter (Fig.2) and an air diverter (Fig.3) are required in addition to its standard aluminum filter set. (Fig.2)
- The aluminum filter are intend to capture residue from cooking, the optional charcoal filter helps to purify fumes exhausted from cooking, and the optional air diverter redirects filter clean air back to the house.



C. Charcoal filter Installation - optional

- Remove aluminum filters on island hood.
- Remove the safety mesh by unscrewing two screws, then position the charcoal filter and align the screw holes, reinstall and fasten two screws. (Fig.4)
- Reinstall the aluminum filters back to the island hood. (Fig.5)

NOTE: Charcoal filter is a consumer product must be replaced after 120 hours of use or every 3-3 months.



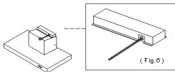
D. Connect power supply:

Important : Installation must be carried out by an authorized or qualified technician an applicable national and local codes .

- 120-Volt, 60Hz, AC only
- This island hood must be properly grounded, Check with a qualified electrician if you are not sure whether the hood is properly grounded. **DO NOT** ground to a gas pipe.
- The hood must be connected with copper wire / plug only.
- Connect three wires according to its color. (Fig. 6)

BLACK TO BLACK (Hot)
WHITE TO WHITE (Neutral)
GREEN TO GREEN (Ground)

To house wires and Cap with wire connectors.



G. INSTALLATION

Installation : Support Frame



1. Drill four holes with diameter not exceeding 5/8" and depth of 3" to 3-1/2" on the false ceiling (Fig. 7).
2. Fasten two hexagonal wood screws, at two of these holes, opposite from each other. (Fig. 7)



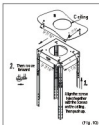
3. Reserve approximately 1.8" for the top support plate as shown in (Fig. 8).
4. Cut out a circle of 7- 1/2" diameter for ductwork (Fig. 8)

NOTE : CHECK YOUR CEILING COMPOSITION TO USE APPROPRIATE ANCHORS.

- Wood ceiling : Use the provided hexagonal wood screws .
- Sheet rock ceiling : Attach top Supporting plate to ceiling joists or stud blocking if possible. If ceiling joists or stud blocking are not available, it is required to build a supporting structure behind the sheet rock for best weight support.
- Concrete ceiling : Use designated screws (not provided).



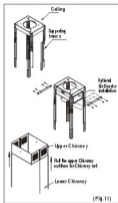
5. Place outer support frames onto the inner supporting frame with top plate. (Fig.9)
7. Lock the support frames using sixteen 4 mm x 8 mm Phillips head tapping screws. (Fig.9)



8. Align the holes in top support plate with two screws on the ceiling (Fig.10)
9. Push upward (1) and slide forward (2) so the top supporting plate locks into space. (Fig. 10)
10. Fasten two existing hexagonal wood screws into two more on the last two holes and fasten them. (Fig.10)

CAUTION : MAKE SURE THE SUPPORT FRAME FIXTURE IS SECURED BEFORE RELEASING.

Installation : Support Frame / Chimney



11. Slide in both upper chimney and lower chimney (Fig. 11) up through the support frame (Fig. 11).

CAUTION: PAY EXTRA ATTENTION TO SHARP EDGES ON THE CHIMNEY AND MINIMIZE CHIMNEY MOVEMENTS TO AVOID SCRATCHES ON THE CHIMNEYS.

NOTE: For Ductless air diverter installation put air diverter inside support frame so that its 0" round hole faces downward and secure it with eight 4mm x 8mm phillips head tapping screws.

12. After sliding both chimneys in the position, you may use a screw driver temporarily hold the chimneys to prevent them from sliding down. (Fig. 12)

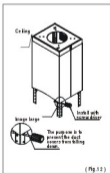
NOTE :

Upper Chimney :

With 2 sides venting holes

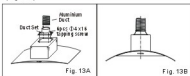
Lower Chimney :

Without 2 sides venting holes



Installation : Duct set and Aluminum duct.

13. A. Install the Duct set onto the body by using six 4mm x 10mm philips head tapping screws (Fig. 13A)
- B. Install Aluminum tube on the Duct set and make sure all joints are secured and air tight (Fig. 13B)



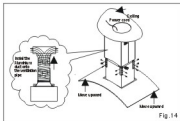
Installation : Island Hood Body

WARNING : EXCESSIVE WEIGHT TWO OR MORE MAN-POWER ARE NECESSARY FOR THIS STEP.

14. A. Install the hood body onto the bottom of the support frame and secure it with sixteen 4mm x 10mm Phillips Head Tapping screws. (Fig.14)
- B. Run the duct tube and power cord through the top support plate above the ceiling (Fig. 14)

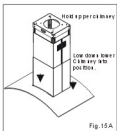
CAUTION : MAKE SURE THE HOOD IS SECURE BEFORE RELEASING.

NOTE : For Ductless - Install the duct aluminum tube onto the air diverter and use duct tape to ensure a secure and air tight. (Fig.6C)



Installation : Chimney

15. A. Check the ductwork and connect the power cord.
B. Hold upper chimney and low down the lower chimney into position and by removing the screwdriver that is temporarily holding them up. Slowly slide down chimney until it on the hood. (Fig. 15A)
C. Bring only the upper Chimney up until it reaches the ceiling. Secure it with two 4mm x 16mm round phillips head screws. (Fig. 15B)

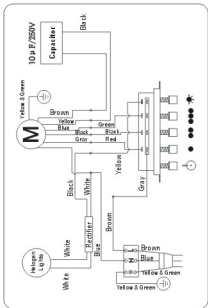


H. CONTROL SWITCH



- TURN ON:**
- Press the speed control [Low , Medium , High] switch to select the desired speed. Once the power switch is turned on, the prior switch selections will be cancelled.
 - Press Light Switch to turn on the lights.
- TURN OFF:**
- Press the Power Switch to turn off the power.
 - Press Light Switch to turn off the lights.

I. WIRING DIAGRAM



J. TROUBLE SHOOTINGS

1. If the island hood does not operate after installation :

- Check if the island hood has been plugged in, make sure that all electrical wiring are properly connected.

2. The light does not work :

- Swap out light assembly to working ones to determine whether it is caused by defective bulbs. (See Replacing the light bulbs.) (Fig.10)

3. The island hood vibrates when the blower is on :

- The island hood might not have been secured properly on to the ceiling.

4. The blower seems weak :

- Check that the duct size used is at least 6" or 3-1/4" x 10. Island hood WILL NOT function efficiently with insufficient duct size. If for example: 7" duct over 6" hole and loosely secured.
- Check if duct is clogged or if damper unit is not opening properly. A tight mesh on a side wall cap unit might also cause restriction to the air flow.

5. The lights work but the blower is not spinning at all, is stuck or is rattling :

- The blower might be jammed or scraping the bottom due to shipping damage.

6. The hood is not venting out properly :

- Make sure the distance between the cook top and the bottom of the hood is within 20" and 36" in range.
- Reduce the number of elbows and length of duct work. Check if all joints are properly connected, sealed, and taped.
- Make sure the power is on high speed for heavy cooking.

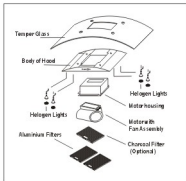
K. SPECIFICATIONS :

Model : HI

Body	Stainless Steel / Tempered Glass
Power Rating	120V / 60 Hz (USA & Canada Standard)
Ge-stalling Power	240 W (160W + W 20W)
Motor Input Power	100W
Motor Revolution	800 R.P.M. (±10%) to 1300 R.P.M. (±10%)
Level of Speed Control	3 Level
Air Pressure	150 Pa (200 Pa Maximum)
Noise Level (dB / meter)	Approximately 55 / 2.0 ft to 59 / 3.0 ft (Lowest to Highest Speed)
Motor Type	Single motor
Fan Type	Shrooof
Control Type	Push Button
Vitalisation	20W * 4 Halogen
Working Size	6" High Hood

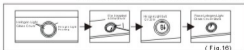
* specifications are subject to change without any prior notice.

L. DISASSEMBLY DIAGRAM

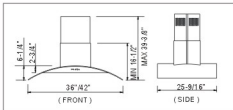


M. MAINTENANCE :

- 1. Cleaning Exterior :**
 - Clean periodically with hot soapy water and clean cotton cloth. Do not use corrosive or abrasive detergent , or steelwool / scouring pads , which will scratch and damage the stainless steel surface.
 - After cleaning, you may use non abrasive stainless steel polish / cleaner, to polish and buff out the stainless luster and grain. Always scrub lightly, with clean cotton cloth, and with the grain.
- 2. Cleaning Aluminum Grease Filter / Stainless Steel Filterless Grill :**
 - The metal filters fitted by the intended to filter out residue and grease from cooking. It need not be replaced on a regular basis but are required to be kept clean.
 - Filters should be cleaned after every 30 hours of use.
 - Remove and clean by hand or dishwasher. Spray degreasing detergent and leave to soak if heavily soiled. Dry filters and re-install before using hood.
- 3. Replacing Filter :**
 - Should filters wear out due to age and prolonged use, replace with following :
Description : Aluminum Grease Filter / Stainless Steel Filterless Grill.
 - Note : Also replace damage d filter that has punctured or broken frame.
- 4. Replacing the light bulb :**
 - Should the light bulb burned out due to age and prolonged use, replace with following :
Description : 20W 12V halogen bulb.
 - Turn off the Island hood.
 - Make sure the lights are cool to touch, turn the inner ring counter- clock wise with a small flat head screw driver then pop out the protective cover ring.
 - Gently pull out the defective bulb and discard accordingly.
 - Install a new halogen light bulb and reverse the steps.



N. SIZE



MEMO

ONE-YEAR LIMITED WARRANTY

Every **WINDSTER** RANGE HOOD is thoroughly inspected and tested before leaving the factory. It will also be tested by our agents (USA or CANADA). And displayed in front of customers to prove merchantability or fitness at the time of purchase.

Every mail-order merchandise will also be inspected, tested, and carefully packed by our agents before mailing to customers.

During ONE-YEAR warranty period from the date of original purchase, defective parts could be carried or mailed to your agent to exchange for new parts free of charge, however, your agents will extend this same warranty service for _____ year(s).

Should there be any questions regarding this product, please, contact the service dedicated line :

Contact us :

9848 Rush Street Suite A, B, C.

South El Monte, CA 91733

Tel : 626-350-1015

Fax : 626-350-1254

Website : www.windsterhood.com

Model: _____ Size: _____ Type: _____

Date of purchase: _____

Authorized agents seal:

Customer's Name: _____

Address: _____

Tel: _____

This warranty is invalid without an authorized agent's seal. If the range hood has already been installed or used, return will not be accepted.