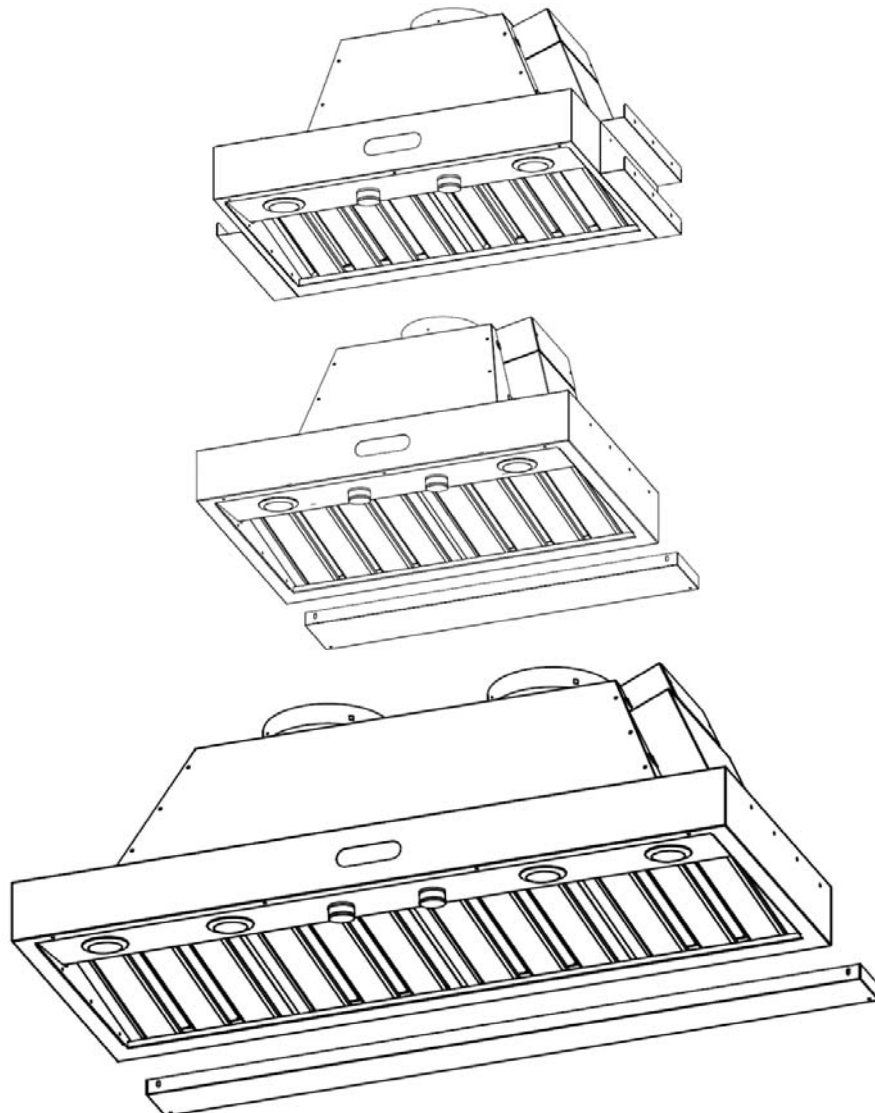


English Version

Range Hood Inserts

Installation Instructions and Operation Manual

Models: FRHI-30T
FRHI-36T
FRHI-30S
FRHI-36S
FRHI-42S
FRHI-48S
FRHI-42M



IMPORTANT READ THIS FIRST

READ BEFORE INSTALLATION

1. Carefully check all contents of packages;
2. Thoroughly inspect the unit for any cosmetic damages or defects;
3. Test the unit before installation;
4. Have a certified contractor/electrician do the installation.

IF THERE IS ANY PROBLEM:

1. **DO NOT INSTALL THE UNIT AND KEEP ALL ORIGINAL PACKAGING MATERIAL.**
2. Have your original proof of purchase and product serial number ready.
3. Contact Foremost Customer Service:

Toll Free: 888.620.3667

Tel: 219.940.6140

Fax: 219.947.3630

Email: KandBservice@foremostgroups.com

Hours: 8:00am – 4:30pm (CST) Monday – Friday

NO RETURN,NO REFUND,NO EXCHANGE IF:

1. **PRODUCT HAS BEEN INSTALLED**
2. **KNOCK-OUT HOLES HAVE BEEN PUNCURED**
3. **MISSING ORIGINAL PACKAGING MATERIAL AND/OR PARTS**

[ENGLISH]

- READ AND SAVE THESE INSTRUCTIONS -

CONTENTS

IMPORTANT SAFETY INSTRUCTIONS	1
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- READ ALL INSTRUCTIONS CAREFULLY BEFORE STARTING -

ALL WIRING MUST BE DONE BY A PROFESSIONAL AND IN ACCORDANCE WITH NATIONAL AND LOCAL ELECTRICAL CODES



IMPORTANT SAFETY INSTRUCTIONS

READ ALL INSTRUCTIONS BEFORE USING

WARNING-TO REDUCE 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 the service disconnecting means to prevent from being switched on accidentally. the service disconnecting means cannot be locked, securely fasten a prominent warning device, such as a tag, to the service panel.
- C. Do not use this unit with any solid-state speed control device.
- E. This unit must be grounded.

CAUTION-FOR GENERAL VENTILATING USE ONLY. DO NOT USE TO EXHAUST HAZARDOUS OR EXPLOSIVE MATERIALS AND VAPORS.

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.
- 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.

*Based on "[Kitchen Firesafety Tips](#)" published by NFPA.

WARNING-TO REDUCE THE RISK OF A 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 cooking flaming foods.
- 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.

WARNING-TO REDUCE 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-related construction.
- B. 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.
- C. When cutting or drilling into wall or ceiling, do not damage electrical wiring and other hidden utilities.
- E. Ducted fans must always be vented to the outdoors.

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

- Do not attempt to repair or replace any part of your hood unless it is specifically recommended in this manual. All other servicing should be referred to a qualified technician.

Foremost will not be held responsible for any damages to personal property or real estate or any bodily injuries whether caused directly or indirectly by the range hood.

What to Do In The Event Of a Range Top Grease Fire

- SMOTHER FLAMES with a tight fitting lid, cookie sheet, or metal tray, and then turn off the burner. KEEP FLAMMABLE OR COMBUSTIBLE MATERIAL AWAY FROM FLAMES. If the flames do not go out immediately, EVACUATE THE AREA AND CALL THE FIRE DEPARTMENT or 911.
- NEVER PICK UP A BURNING PAN - You May Get Burned.
- DO NOT USE WATER, including wet dishcloths or towels - a steam blast will result.
- Use an extinguisher ONLY if:
 - a) You have a Class A, B, C extinguisher and know how to operate it.
 - b) The fire is small and contained in the area where it started.
 - c) The fire department has been called.
 - d) You can fight the fire with your back to an exit.

What to Do If You Smell Gas

- Extinguish any open flame.
- Do not try to turn on the lights or any type of appliance.
- Open all doors and windows to disperse the gas. If you still smell gas, call the Gas Company and Fire Department right away.

CAUTION

1. For general ventilation use only. Do not use to exhaust hazardous or explosive materials and vapors.
2. To reduce the risk of fire, use metal ductwork only. Sufficient air is needed for proper combustion and exhaustion of gases through the flue (chimney) to prevent back drafting.
3. 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 code authorities.
4. Activating any switch may cause ignition or an explosion.
5. Due to the size and weight of this hood, installation by 2 persons is recommended.

WARNING



ELECTRICAL SHOCK HAZARD - Can result in serious injury or death. Disconnect appliance from electric power before servicing. If equipped, the fluorescent light bulb contains small amounts of mercury, which must be recycled or disposed of according to Local, State, and Federal Codes.

Congratulations on your purchase of the Foremost Range Hood Insert, the finest RANGE HOOD in the industry!

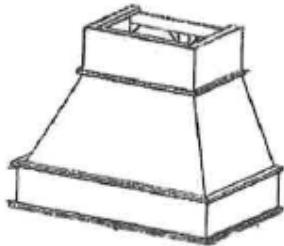
Foremost hood inserts are beautifully designed to compliment any kitchen and are engineered to provide many years of trouble free operation using the latest fabrication techniques and the highest quality materials and parts available.

Foremost Range Hood Inserts are extremely quiet because they have precision motors, and have many advanced features including super-bright LED's, a cooking heat sensor, non-blocking, dishwasher safe easy to clean filters, and multifunction remote controls to make your cooking experience even more enjoyable.

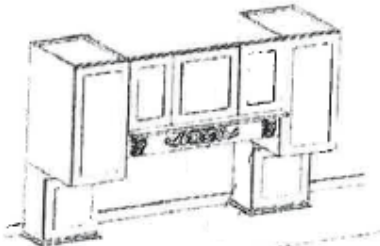
Please follow the unpacking and installation instructions for helpful, timesaving tips and to make sure the installation goes smoothly! These are also listed in the instruction manual included with your insert

Now, before we continue, let's make sure you have received the right style range hood insert for your wooden hood.

**FOR USE THIS STYLE HOOD
"CHIMNEY HOOD"**



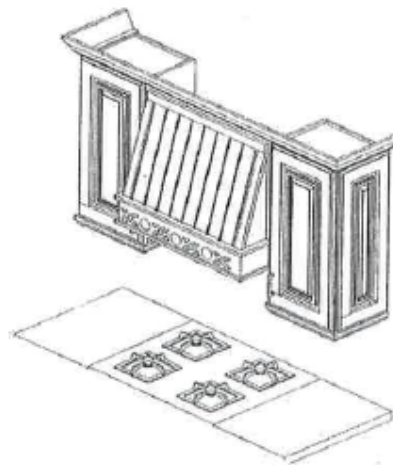
**OR THIS STYLE
"MANTLE HOOD"**



**USE THIS STYLE
30S,36S,42S,48S,42M**



**FOR USE IN THIS STYLE
"TAPERED HOOD"**



**USE THIS STYLE
30T,36T**



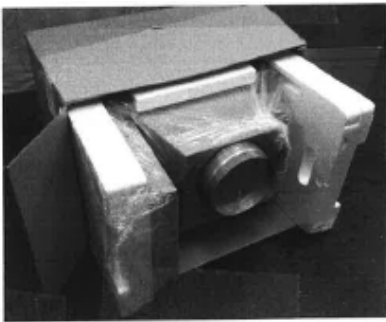
UNPACKING AND INSTALLATION – ALL MODELS

Place the carton in a clean, open area.

Make sure the carton top is facing up

Carefully cut the box top tape down the center with a scissor or blade, only going just below the surface so you don't damage anything inside. Remove the top Styrofoam pieces.

Now, lay the box on its side, make sure the top knobs and pull the two Styrofoam end pieces completely out of the box at the same time.

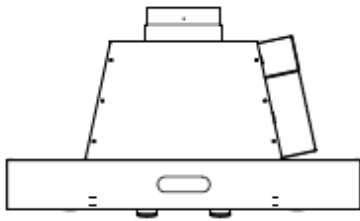


Carefully remove the side pieces one at a time and gently lower the ventilator to the floor.

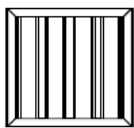
Locate and carefully remove and put aside all parts bags and the instructions that are secured to the large plastic bag protecting the unit

Contents Of Cartons

“M&S” HOOD



FILTERS



GREASE TROUGH

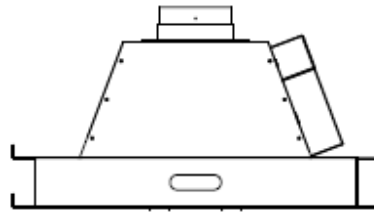


EXTENSION FLAT PIECE

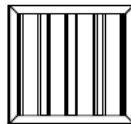


MODEL	FITER WITH GREASE TROUGH	EXTENSION PIECE
30S	2	1
36S	3	1
42S	3	1
48S	4	1
42M	3	0

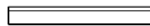
“T” HOOD



FILTERS

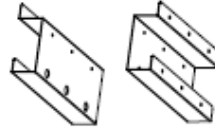


GREASE TROUGH



MOUNTING BRACKET &

SCREWS



MODEL	FITER WITH GREASE TROUGH	MOUNTING BRACKET
30T	2	2
36T	3	2

Remote control with battery.

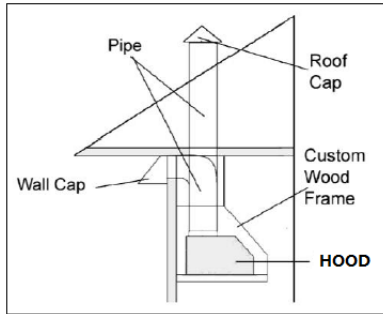
Bag with screws.

Check entire ventilator unit for damage. Check control knobs, make sure they turn.
 IF DAMAGE IS OBSERVED, CONTACT FOREMOST CUSTOMER SERVICE IMMEDIATELY AT:
 1-888.620.3667 OR VIA EMAIL AT : KandBservice@foremostgroups.com for further instructions.



NOTE: INSTALLATION MUST BE DONE BY A QUALIFIED PROFESSIONAL TO MEET WARRANTEE CONDITIONS.

Below is a typical installation showing the location of the vent pipe from the range hood.

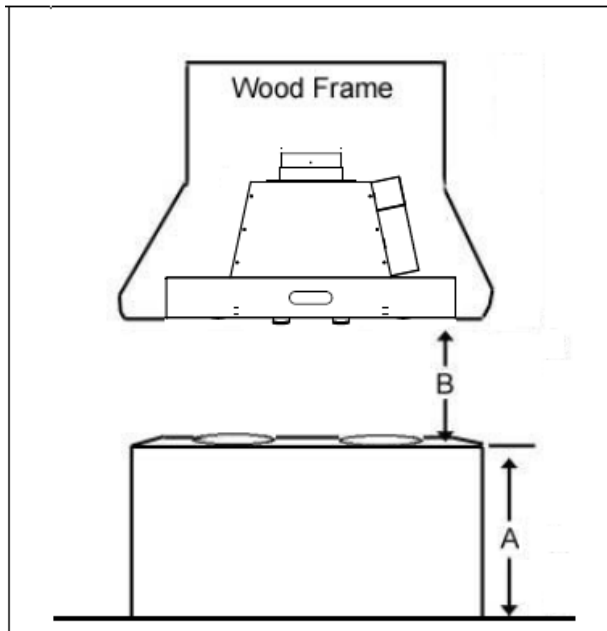


CAUTION: If moving the cooking range is necessary to install the hood, turn off the power in an electric range at the main electrical box. **SHUT OFF THE GAS BEFORE MOVING A GAS RANGE.** And use a protective covering to protect cooktop and/or countertop from damage.

Make sure distance from stove top to bottom of wooden hood meets your local fire codes and the range manufacturer's specifications

Height of floor to Counter Top: **A** (Standard:36")

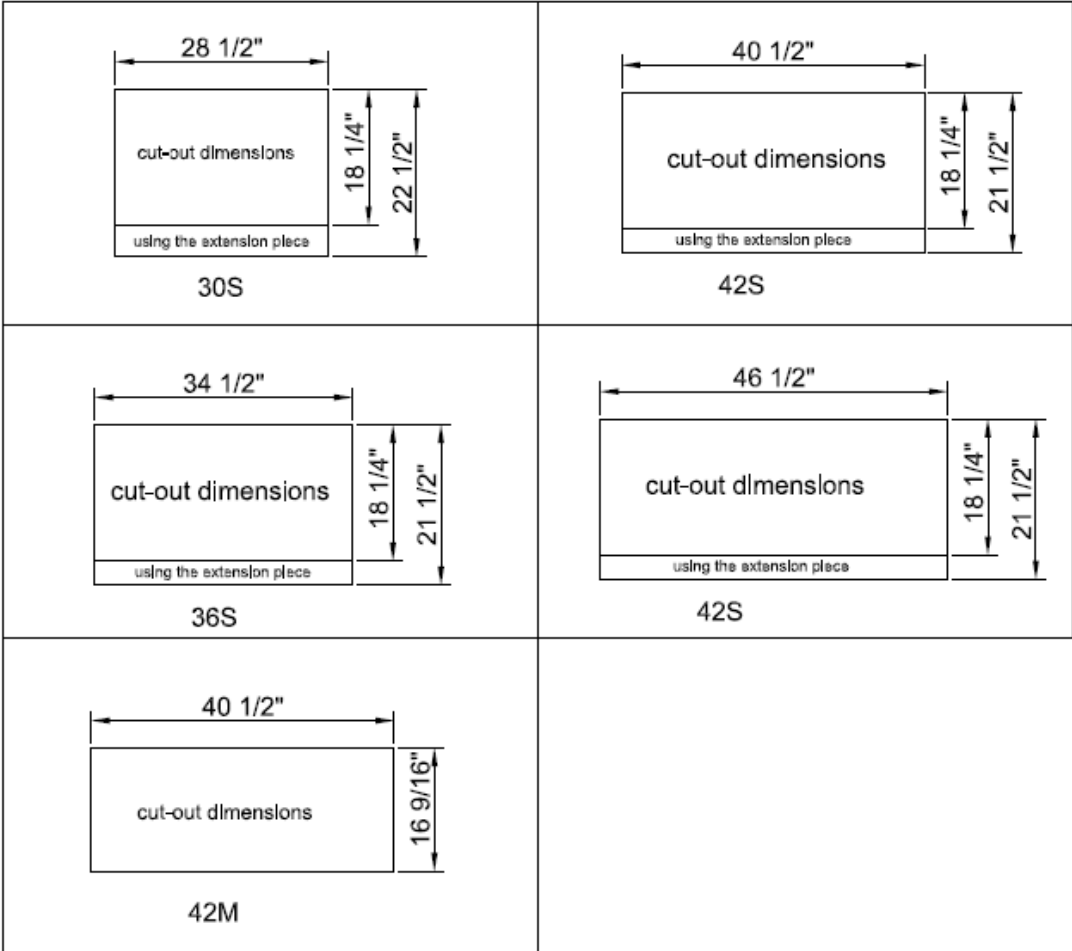
Height of Counter Top to Wood Frame Bottom: **B** (Minimum 27" to 30")



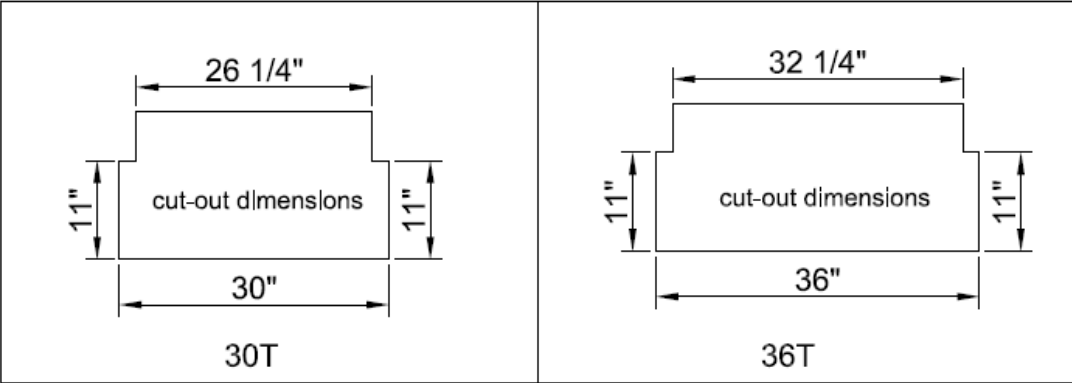
Run a dedicated 15 AMP power circuit down from the top of the wooden hood to the countertop level for connection to the range hood insert (20 AMP circuit required for model 48S)

BEFORE BEGINNING INSTALLATION, check to make sure opening sizes are correct. It is assumed the correct Foremost Range Hood Insert was selected, based on the selection guide for the wooden hood brand name and size chosen for your kitchen.

For M & S type units, mounted in Chimney Hood or Mantle hood.



For Tapered Hoods



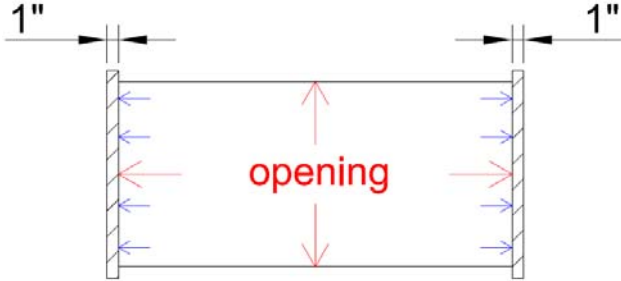
Hood insert mounting requirements

Chimney Hood sides support Hood Insert



Chimney Hood Underside

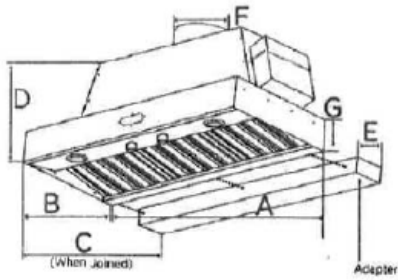
Mantle Hood must have 1 inch thick or greater side beams to support weight and mounting of hood insert.



Mantle Hood Underside

The following are tables of the overall dimensions of all the models of Foremost Range Hood Inserts used here for reference and basic information:

FOREMOST RANGE HOOD INSERTS - PROFESSIONAL SERIES



Model#	30S
A	28 7/8
B	18 3/16
C	22 1/2
D	12 1/2
E	4 5/16
F	8
G	4
Motor	430W
CFM	600
LEDs	2

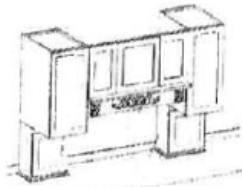
FOR USE IN MOST 30" WIDE WOODEN CHIMNEY HOODS
 USE INSTEAD OF LINER #9106 & SMALL BLOWER
 FOR 20-3/16" OR DEEPER HOODS
 OR INSTEAD OF LINER #9139 & SMALL BLOWER
 FOR 23-7/16" OR DEEPER HOODS
 (USING EXTENSION ADAPTER INCLUDED)

FOR USE IN THIS STYLE HOOD
 "CHIMNEY HOOD"



OR

"MANTLE HOOD"



Model#	36S
A	34 7/16
B	18 3/16
C	21 7/16
D	13 1/2
E	3 1/4
F	8
G	4
Motor	430W
CFM	600
LEDs	2

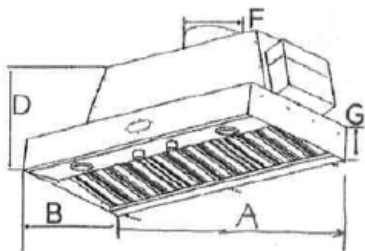
FOR USE IN MOST 36" WIDE WOODEN CHIMNEY HOODS
 USE INSTEAD OF LINER #9107 & SMALL BLOWER
 FOR 20-3/16" OR DEEPER HOODS
 OR INSTEAD OF LINER #9040 & SMALL BLOWER
 FOR 23-7/16" OR DEEPER HOODS
 (USING EXTENSION ADAPTER INCLUDED)

Model#	42S
A	40 7/16
B	18 3/16
C	21 7/16
D	14 1/4
E	3 1/4
F	8
G	4
Motor	730W
CFM	900
LEDs	2

FOR USE IN MOST 42" WIDE WOODEN CHIMNEY HOODS
 USE INSTEAD OF LINER #9168 & SMALL BLOWER
 FOR 20-3/16" OR DEEPER HOODS
 OR INSTEAD OF LINER #9041 & SMALL BLOWER
 FOR 23-7/16" OR DEEPER HOODS
 (USING EXTENSION ADAPTER INCLUDED)

Model#	48S
A	46 7/16
B	18 3/16
C	21 7/16
D	14 1/4
E	3 1/4
F	2 X 8
G	4
Motor	2 X 730W
CFM	1800
LEDs	4

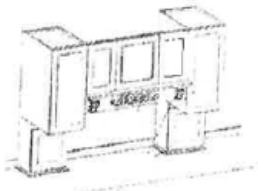
FOR USE IN MOST 48" WIDE WOODEN CHIMNEY HOODS OR
 MANTLES
 USE INSTEAD OF LINER #9170 & SMALL BLOWER
 FOR 20-3/16" OR DEEPER HOODS OR MANTLES
 OR INSTEAD OF LINER #9042 & SMALL BLOWER
 FOR 23-7/16" OR DEEPER HOODS OR MANTLES
 (USING EXTENSION ADAPTER AND FLANGE MOLDINGS
 INCLUDED)



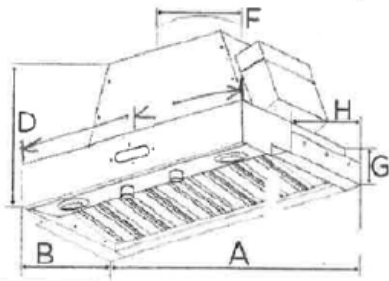
Model#	42M
A	40 7/16
B	16 1/2
C	N/A
D	13 1/2
E	N/A
F	6
G	4
H	12
Motor	430W
CFM	600
LEDs	2

SHALLOW WOODEN MANTLE SPECIAL APPLICATION
 FITS MANTLES ONLY 12-1/2" DEEP

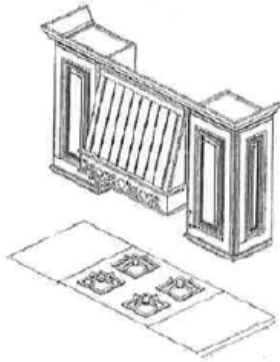
FOR USE IN THIS STYLE HOOD
 "SHALLOW MANTLE HOOD"



FOREMOST RANGE HOOD INSERTS - PROFESSIONAL SERIES



FOR USE IN THIS STYLE
"TAPERED HOOD"



Model#	30T
A	29 15/16
B	16 1/2
C	N/A
D	13 1/2
E	N/A
F	6
G	4
H	11
K	26 1/4
Motor	430W
CFM	600
LEDs	2

FOR USE IN MOST 30" WIDE WOODEN TAPERED HOODS
FOR 30" WIDE CABINET SPACING AND 12" DEEP CABINETS
(USE INSTEAD OF LINER #9025 & SMALL BLOWER)

Model#	36T
A	35 15/16
B	16 1/2
C	N/A
D	13 1/2
E	N/A
F	6
G	4
H	11
K	32 1/4
Motor	430W
CFM	600
LEDs	2

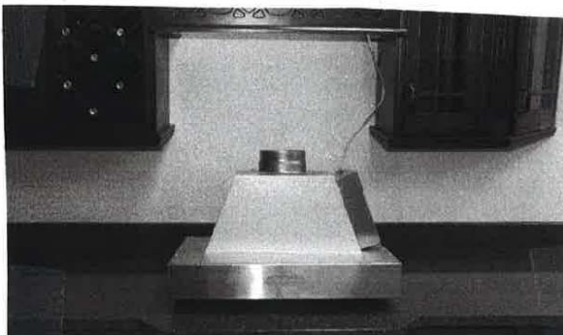
FOR USE IN MOST 36" WIDE WOODEN TAPERED HOODS
FOR 36" WIDE CABINET SPACING AND 12" DEEP CABINETS
(USE INSTEAD OF LINER #9029 & SMALL BLOWER)

INSTALLATION

TEST HOOD INSERT BEFORE INSTALLING AND INITIAL SETUP

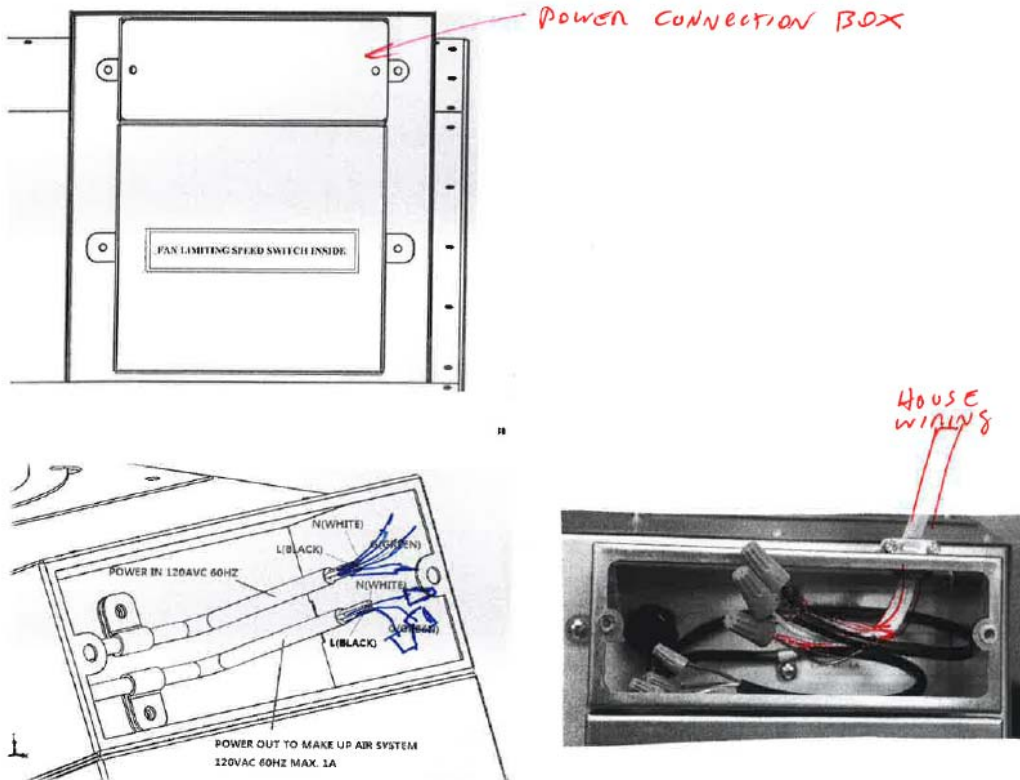
With a helper (2 people highly recommended) carry and place the range hood insert into pre-mounting position underneath wooden hood.

NEVER PLACE THE INSERT FACE DOWN WITHOUT WOODEN BLOCKS HOLD IT 2 INCHES ABOVE THE BOTTOM SURFACE TO KEEP THE KNOBS FROM TOUCHING THE BOTTOM WHICH MAY DAMAGE THE KNOBS AND CONTROL CIRCUITRY.



Turn off circuit breaker for hood power circuit.

Open the power connection terminal box and connect the power line to the range hood terminal strip as shown.



(If a make-up air unit has been purchased, connect it to the terminals shown, if not, ignore this step)

Close the cover on the connection box.

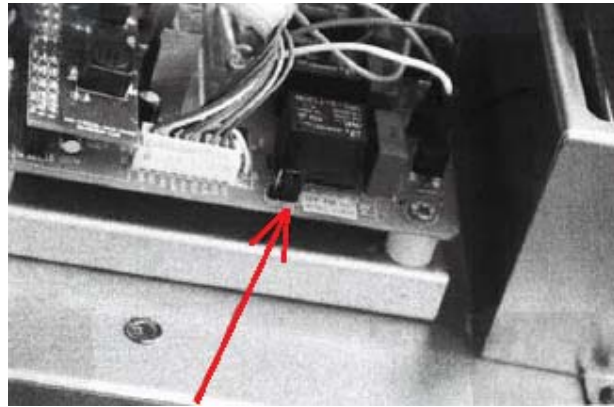
In order to comply with some local building codes, this unit has been shipped with the maximum exhaust speeds shut off. If these codes do not apply to you and you want to use the maximum power of the exhaust fan, or you are using a make-up air system, do the following

Open the relay board cover by removing the screws shown.

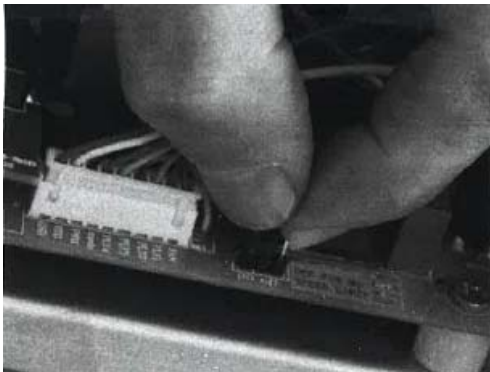
Locate the speed limitation jumper on the left.



Relay board inside



Speed Limiting Jumper



Speed Limiting Jumper shown in ON position. Pull jumper straight off and discard or move to the OFF position.



Speed limiting jumper shown in OFF position. Exhaust fan will now run at all speeds including Maximum.

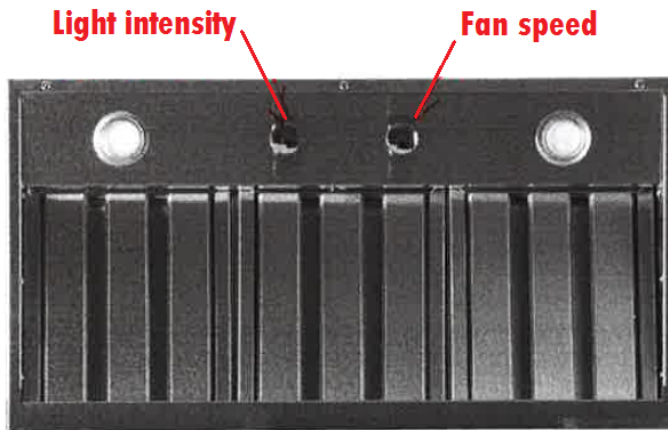
Carefully PULL IT OFF AND DISCARD or place it back in the "OFF" position shown. Now the range insert will run at full speed.

Replace the board cover.

TESTING THE HOOD INSERT BEFORE INSTALLATION

THE HOOD INSERT MUST BE WORKING PERFECTLY BEFORE INSTALLATION.

Test all functions as follow:



Hood insert in Test Position

Turn on the circuit breaker.

Let's test the fan first

The right knob controls the exhaust fan speed. Turn it quickly to the right (clockwise) just as shown. The unit will beep and the fan will go to the lowest position. The lights will also turn on to the nightlight position.

IF THIS DOES NOT HAPPEN, CHECK THE CIRCUIT BREAKER AND MEASURE THE VOLTAGE FOR THE PRESENCE OF POWER AT THE INSERTS CONNECTION TERMINALS.

IF 120 VOLTS IS DETECTED AT THE TERMINALS AND THE FAN AND LIGHTS DO NOT OPERATE, REFER TO THE ADVANCED TROUBLESHOOTING SECTION AT THE END OF THIS VIDEO.

Turn the knob again to the right (clockwise). There will be another beep and the fan will go to the second speed.

Turn the knob again to the right (clockwise). There will be another beep and the fan will go to the third speed.

Turn the knob again to the right (clockwise). There will be another beep and the fan will go to the highest speed. (If you have the model 48S, you will have a fifth speed

To lower the fan speed, turn the fan knob quickly to the left (counter clockwise). The unit will beep and the fan will drop one speed lower.

Keep repeating this and the fan will eventually shut off.

TESTING THE LIGHTS

The left knob controls the light intensity.

Turn it quickly to the right (clockwise) just as shown. The light will raise one level brighter. There is no beep).

Turn the knob again to the right (clockwise). The light will raise one level brighter.

Turn the knob again to the right (clockwise). The light will raise one level brighter.

Turn the knob again to the right (clockwise). The light will light will raise one level brighter to the maximum brightness.

To lower the brightness, turn the light knob quickly to the left (counterclockwise). The light will drop one level of brightness.

Turn the knob again to the left (counterclockwise). The light will drop one level of brightness.

Turn the knob again to the left (counterclockwise). The light will shut off.

If either of the knobs and results did not match these results, please CONTACT FOREMOST CUSTOMER SERVICE IMMEDIATELY.

TEST THE REMOTE CONTROL


Locate the bag containing the remote control and battery.

Carefully open the battery door on the back of the remote control.

Carefully insert the battery in the correct orientation.

Replace the battery door.


Start the test with the lights and fan off.


Push the red power button  on the remote control. The lights will turn on to the lowest night light position and the fan will turn on to the lowest position.





IF THIS DOES NOT HAPPEN, CHECK TO MAKE SURE THE BATTERY IS IN THE CORRECT POSITION AND SEATED PROPERLY IN THE REMOTE. TRY ANOTHER BATTERY. IF THIS STILL DOES NOT GET THE REMOTE TO WORK, GO TO THE ADVANCED TROUBLESHOOTING SECTION


Push the red power button  again. The lights and fan will turn off.


Push the up arrow  on the left side of the remote to turn on the lights.


Press  again to raise the lights one level.


Press  again to raise the lights to the next level.


Press  again to raise the lights to the maximum level. (There are 4 levels.)


Push the down arrow  on the left side of the remote to lower the level of the lights

Press  again to lower the lights one level.

Press  again to lower the lights to the next level.

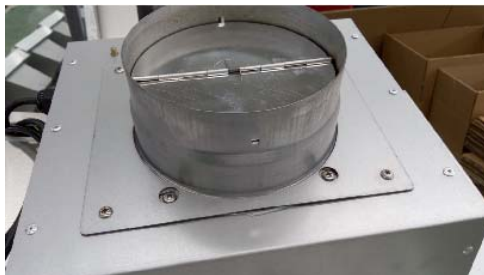
Press  again to shut off the lights. (There are 4 levels.)

With the fan running, press the Delay off button . The unit will turn off in 3 minutes. (This is used after cooking is completed to let the stove cool down before shutting down the unit.)

With the fan running and the lights on, press and hold the MEMORY button  until you hear a beep from the unit. This setting has now been memorized. Press the POWER OFF button. Now press the MEMORY button and let go. The unit will go to the fan speed and light setting you set in the memory button. To change the setting, set the lights and fan to where you want, then repeat the press and hold procedure until you hear a beep.

If the remote control does not operate the unit or it does not behave as described above, CONTACT FOREMOST CUSTOMER SERVICE IMMEDIATELY.

CHECK THE FAN EXHAUST BACKDRAFT PREVENTER. With the fan off, the baffle built into the exhaust duct connection on the top of the unit should be fully closed.



CLOSED



OPEN

Turn on the fan using the control knobs or the remote control. Go through all the speeds. The baffle plates should open as the fan speed increases and shut completely when the fan is off. If this does not happen, check for obstructions until this works properly.

INSTALLING INSIDE WOODEN ENCLOSURE

Before lifting the insert up into the wooden enclosure, review the following steps:

Refer to page **10** for exact opening dimensions. Or on line at www.foremostkitchens.com

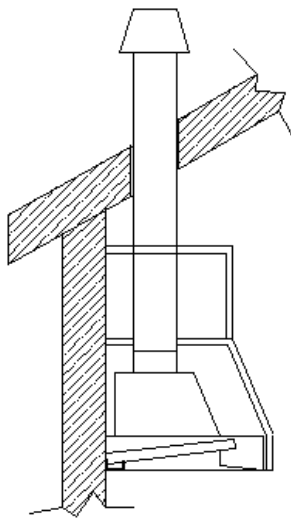
For a wooden chimney hood, you will be screwing the insert body into the left and right side of the hood, which will support the weight of the insert. Make sure the wooden hood has been properly installed and secured to your wall.

For a shallow chimney hood, 18-3/16 deep, you can install the ventilator as is. If you have a deeper model chimney hood, you will need to attach the stainless steel extension piece that is included with your hood insert to fill this gap, using the (2) screws that come with it.

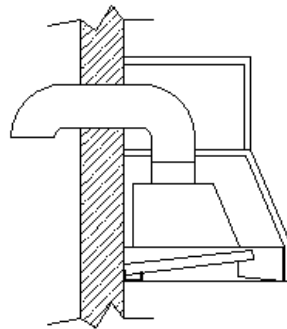
Electric drill with screwdriver bit installed (highly recommended) or a screwdriver

Ducting prepared and vent openings prepared and ready.

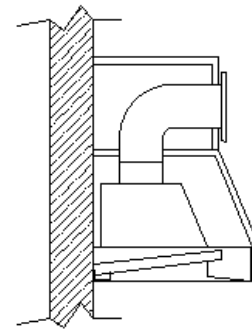
Below are the three types of ducting:



Exhaust out roof vent



Exhaust out back wall



Exhaust re-circulated
back into kitchen
(Carbon Filter
recirculation kit
required)

(If you cannot duct the fan exhaust to the outside, you will have to duct to the inside of the room, and purchase the charcoal filter recirculation filter kit. Detailed instructions are included with that kit.)

The Romex or BX power cable should be connected at this time (refer to instructions in testing and in the manual).

Turn off the circuit breaker to the unit before proceeding hood with installation.

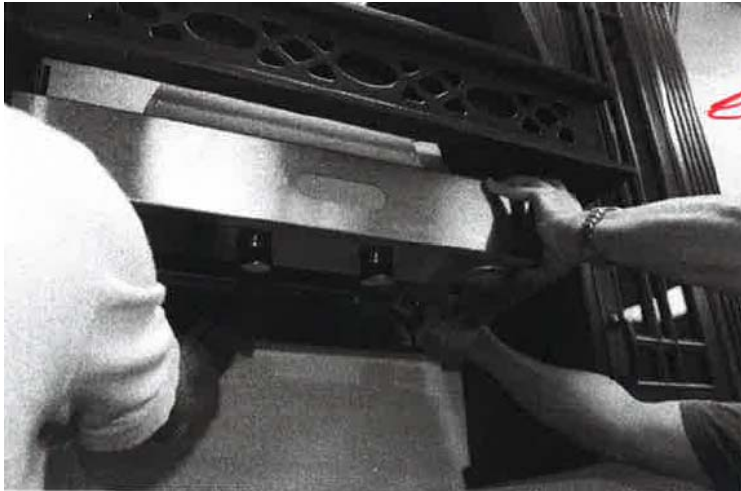
This next step requires (2) people.

Before attempting installation, you will need (8) #8 wood screws or sheet metal screws $\frac{3}{4}$ inch long, or short drywall screws that will not stick through the side of the wood hood and be visible, in order to secure the unit in to the wooden hood.

Depending on the type of wood hood you are using, it may be better to attach part of the ducting to the top of the insert before lifting up into the hood.

Make sure the filters and grease troughs are NOT installed in the hood insert at this time.

Lift the hood insert up into the prepared opening, feeding the power cable up with it, being careful not to pinch the cable. Raise the hood to the desired height. If it goes in smoothly with no interference, proceed to the next step.

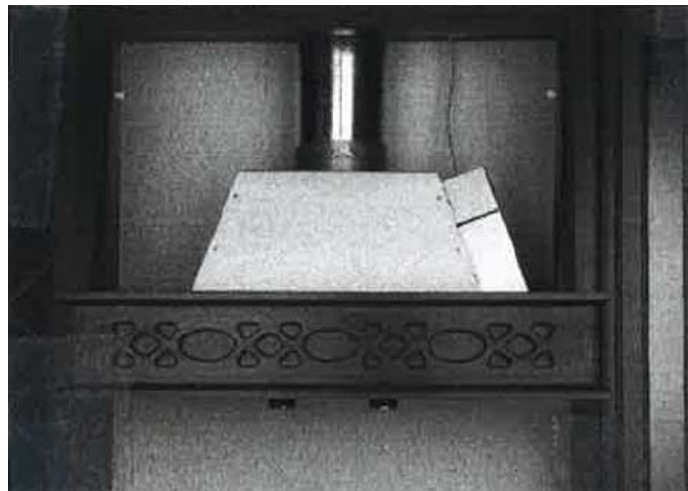


Raising Hood Insert into mounting position
Desired mounting position of Range Hood Insert

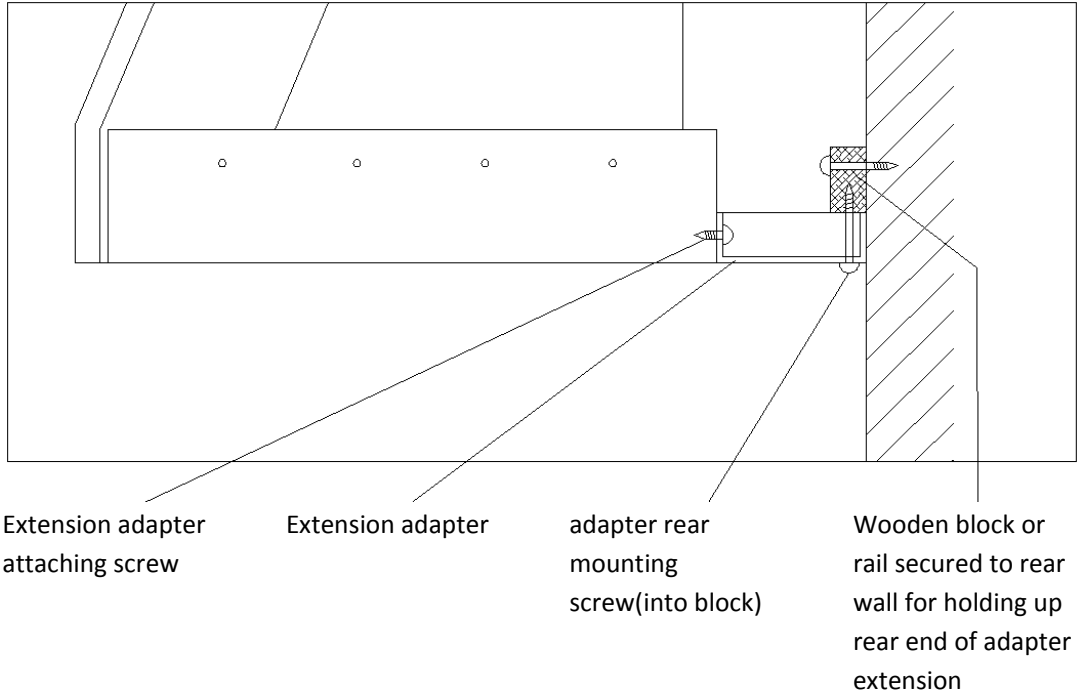
If not, lower the hood and find the cause of the interference. Then try raising it again.

NOTE: if you are installing the hood insert in a deep wooden hood and need to use the rear extension adapter (included with insert, attach the extension adapter piece to the insert at this time using the sheet metal screws included with the extension adapter.

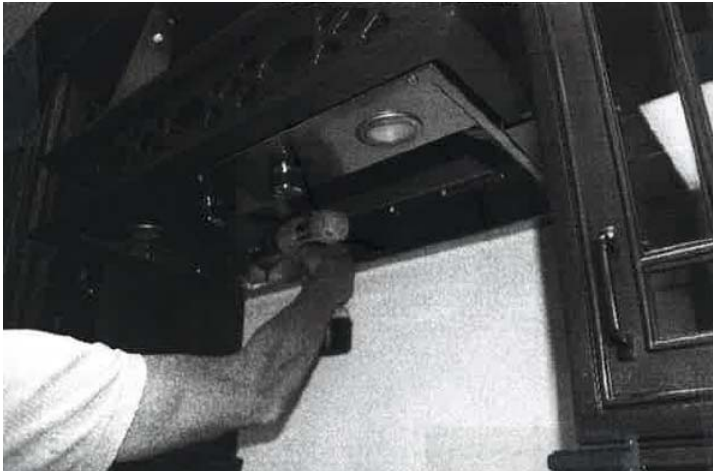
See figure on next page.



NOTE: if you are using the rear extension adapter, you must install small wooden securing blocks or a rail 1 inch above the insert bottom at the rear as shown to hold this piece securely.



While holding the hood insert in place at the proper mounting height, screw in two screws on one side of the hood through the (4) holes on each side of the insert. Then, secure the other side with two more screws. Then, when you have checked the installation and everything is correct, install the remaining screws.



Insert grease troughs.



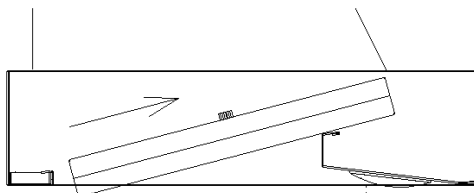
Insert grease troughs.

Insert baffle filters, sliding them forward and then seating them back into the grease trough. Some high power hood insert filters have a hook bracket on the front. If your model has it, slide the filter forward and then back until the hook engages. You should not be able to push the filter up. This will prevent the filter from being lifted up by the fan at high speeds.

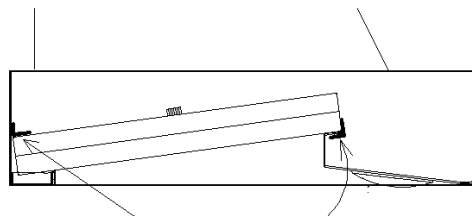


How to grab baffle filter for removal or installation

Insert Baffle Filter and slide forward



Baffle Filters installed properly



(Hook on 900 CFM UNITS)

Turn on circuit breaker.

Turn on fan and light to verify correct installation.
 At the top of the hood, connect the remaining ductwork.
 Complete remaining woodwork to cover the duct. Installation is complete.

FOR "T" TYPE INSERTS, MOUNTED BETWEEN CABINETS

This is a Tapered Hood. This requires the "T" style hood insert.



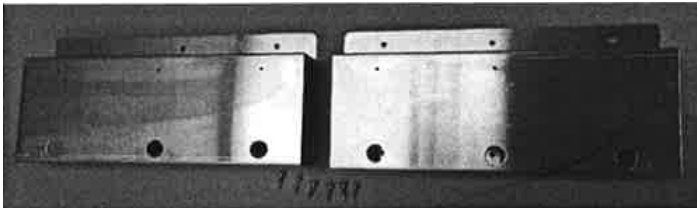
Before attempting installation, you will need (12) #8 wood screws or sheet metal screws $\frac{3}{4}$ inch long, or short drywall screws that will not stick through the side of the wooden cabinet to secure the unit.

Make sure the unit has been connected to power and was thoroughly tested (procedure listed on page xx in an earlier section of the manual) and ductwork is prepared.

Turn off circuit breaker

This next step requires (2) people.

Locate the LEFT and RIGHT Mounting Brackets and (6) screws



Attach them to the sides of the insert by placing screws inside the body through the (3) top holes on each side.



When completed, the assembled unit should look like the photo below:



With the side brackets attached, lift the hood insert up into the prepared opening, feeding the power cable up with it, being careful not to pinch the cable. Raise the hood to the desired height.



(If you encounter interference find the cause of the interference and remove it.) MARK A LINE ON THE BOTTOM OF BOTH SIDES OF THE MOUNTING BRACKETS AS WELL AS THE FRONT AND BACK POINT.

Carefully Lower the hood insert back to the stove surface, keeping the knobs from touching using the stand off blocks.

Remove the side mounting brackets by removing the screws holding them in on the inside of the hood insert.

Bring the left mounting bracket to it's intended mounting position at the left cabinet, aligning it's bottom to the line marked on the cabinet.

Securely screw the bracket to the cabinet in the holes provided using wood or sheet metal screws.



Repeat this procedure and mount the Right mounting bracket.



Raise the hood insert to meet the mounting brackets, feeding the power cable up with it, being careful not to pinch the cable, and screw the insert to the mounting brackets from the inside of the hood using the screws supplied.

Connect remaining ductwork.

Insert grease troughs and baffle filters, sliding them forward and then seating them back into the grease trough, as described earlier.

Turn on circuit breaker.

Turn on fan and light to verify correct installation.

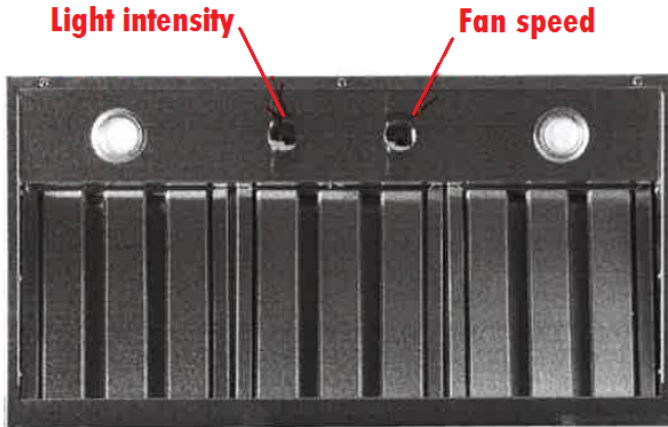
Complete remaining woodwork installation.

Installation is complete.

HOW TO OPERATE HOOD

How to operate your Foremost Range Hood Insert.

Your range hood can be operated from either the control knobs on the front, or the remote control.



The right knob controls the exhaust fan speed.

Let's start with the range hood off. Grab the right knob and turn it quickly to the right as shown. The unit will beep and the fan will go to the lowest position. The lights will also turn on to the night light position.



This is the lowest and most quiet fan speed and perfect for light cooking.

Turn the knob again to the right. There will be another beep and the fan will go to the second highest speed.

Turn the knob again to the right. There will be another beep and the fan will go to the third highest speed.

Turn the knob again to the right. There will be another beep and the fan will go to the highest speed. If you have the model 48S, you can turn the knob once more, because you will have an extra powerful fifth speed.

To lower the fan speed, turn the fan knob quickly to the left. The unit will beep and the fan will drop one speed lower.

Keep repeating this and the fan will eventually shut off.

Now, let's turn on the lights.

The left knob controls the light intensity.

Turn it quickly to the right, clockwise, just as shown. The lights will turn on to the night light level. There is no beep.

Turn the knob again to the right. The light will raise one level brighter.

Turn the knob again to the right (clockwise). The light will raise one level brighter.

Turn the knob again to the right. The light will raise one level brighter.

Turn the knob again to the right. The light will light will raise one level brighter to the maximum brightness.

To lower the brightness, turn the light knob quickly to the left, counterclockwise. The light will drop one level of brightness.

Turn the knob again to the left (counterclockwise). The lights will drop one level of brightness.

Turn the knob again to the left. The lights will drop one level of brightness.

Turn the knob again to the left. The light will shut off.

Now, Let's use the remote control to operate the hood.

Note: Either the control knobs or remote control can be used at any time.

Locate the bag containing the remote control and battery. Carefully open the battery door on the back of the remote control.

Carefully insert the battery in the correct orientation.

Replace the battery door.



Start the test with the lights and fan off.


Push the red power button on the remote control. The lights will turn on to the lowest night light position and the fan will turn on to the lowest position.


IF THIS DOES NOT HAPPEN, CHECK TO MAKE SURE THE BATTERY IS IN THE CORRECT POSITION AND SEATED PROPERLY IN THE REMOTE CONTROL. TRY ANOTHER BATTERY. IF THIS STILL DOES NOT GET THE REMOTE CONTROL TO WORK, GO TO THE ADVANCED TROUBLESHOOTING SECTION OF THIS MANUAL.

Now, let's turn up the exhaust fan.

Press the  UP ARROW fan speed button.

You will hear a beep and the fan will go to the fan speed 2.

Press the  UP ARROW again. You will hear a beep. The fan goes to speed 3

Press the  UP ARROW again. You will hear a beep. The fan goes to speed 4, max.speed.

(If you have a model 48S, you can press one more time to get speed 5.)


Now, let's lower the speed. Press the DOWN ARROW. You will hear a beep and the fan will drop one speed lower


Press again to lower the speed.


Press again to lower the speed.

Press again to shut off the fan.


Lets try the lights.


Press  the UP ARROW light to raise the lights one level.


Press  again to raise the lights to the next level.

Press  again to raise the lights to the maximum level. (There are 4 levels.)

Now, lets lower the lights. Press the  DOWN ARROW light to lower the level of the lights

Press  again to lower the lights one level.

Press  again to lower the lights to the next level.

Press  again to shut off the lights. (There are 4 levels.)

Let's learn about the DELAY OFF button.



With the fan running at any speed, Press the Delay off button, will drop the fan to low speed and drop the LED to LOWEST “NIGHTLIGHT” BRIGHTNESS, and the lights will “blink” two times when the radio signal command to begin the delay cycle is received. Then unit will turn off in 3 minutes. There will be a beep when the fan turns off. This is used after cooking is completed to let the stove cool down before shutting down the unit.

Let's learn about the MEMORY BUTTON.



Let's start by turning on the fan to the highest speed. Turn on the lights to the highest setting.

NOTE, the MEMORY BUTTON works for any speeds or light setting.

With the fan running and the lights on, press and hold the MEMORY button until you hear a beep from the unit. This setting has now been memorized.

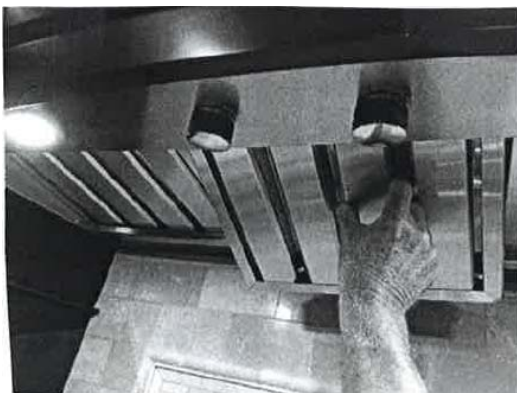
Press the RED POWER OFF Button and the unit will shut completely off

Now press the MEMORY button and let go. The unit will go to the fan speed and light setting you set in the memory button. To change the setting, set the lights and fan to where you want, then repeat the press and hold procedure until you hear a beep.

If the remote control does not operate the unit or does not behave as described above, CONTACT FOREMOST CUSTOMER SERVICE IMMEDIATELY.

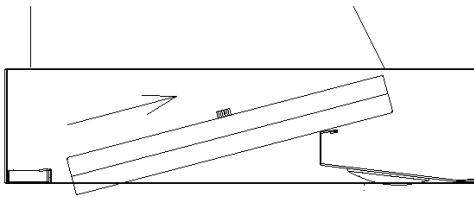
Here's how to install and remove the baffle filters.

With the fan motor off, grab any Baffle Filter like this, slide it up towards the front, lower the back, and pull it out of the unit.

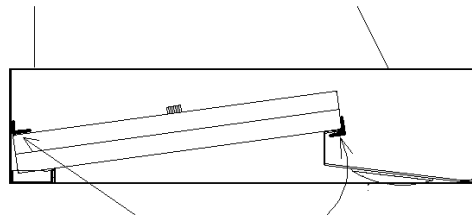


Note: Some baffle filters on high power units have hooks in the front to keep them in place, so make sure you slide forward enough to release these hook features.

Insert Baffle Filter and slide forward

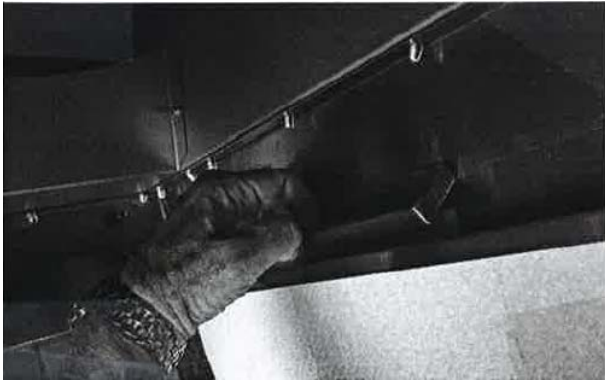


Baffle Filters installed properly



(Hook on 900 CFM UNITS)

Reach up and grab the grease troughs in the back. Pull them out like this for cleaning.



To clean, open the baffle filters by unscrewing the thumbscrews on the inside as shown.



Place the filters in a dishwasher for cleaning along with the grease troughs.

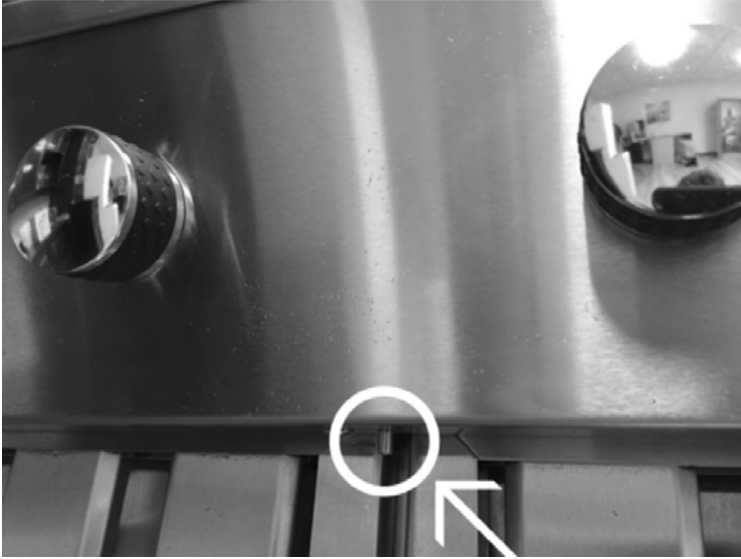
Re assemble baffle filters and replace in hood, sliding them in from the back toward the front , then sliding them to the back as shown to seat them.

NOTE: for models with hoods, push them up at the front after installation to make sure they are correctly installed. They should not be able to be pushed up.

COOKING HEAT SENSOR

This little pin sticking out is the cooking heat sensor that turns on the exhaust fan to high speed automatically.

Do not hit it or damage it during filter removal and installation.



COOKING HEAT SENSOR

The hood temperature sensor will automatically turn on the hood to the highest speed if a temperature of 140°F or greater is detected, and keep running for 5 minutes. During this time, the fan speed cannot be lowered.

CARE AND MAINTENANCE

Your Foremost Range Hood Insert is made from the highest quality brushed stainless steel available. To preserve its appearance:

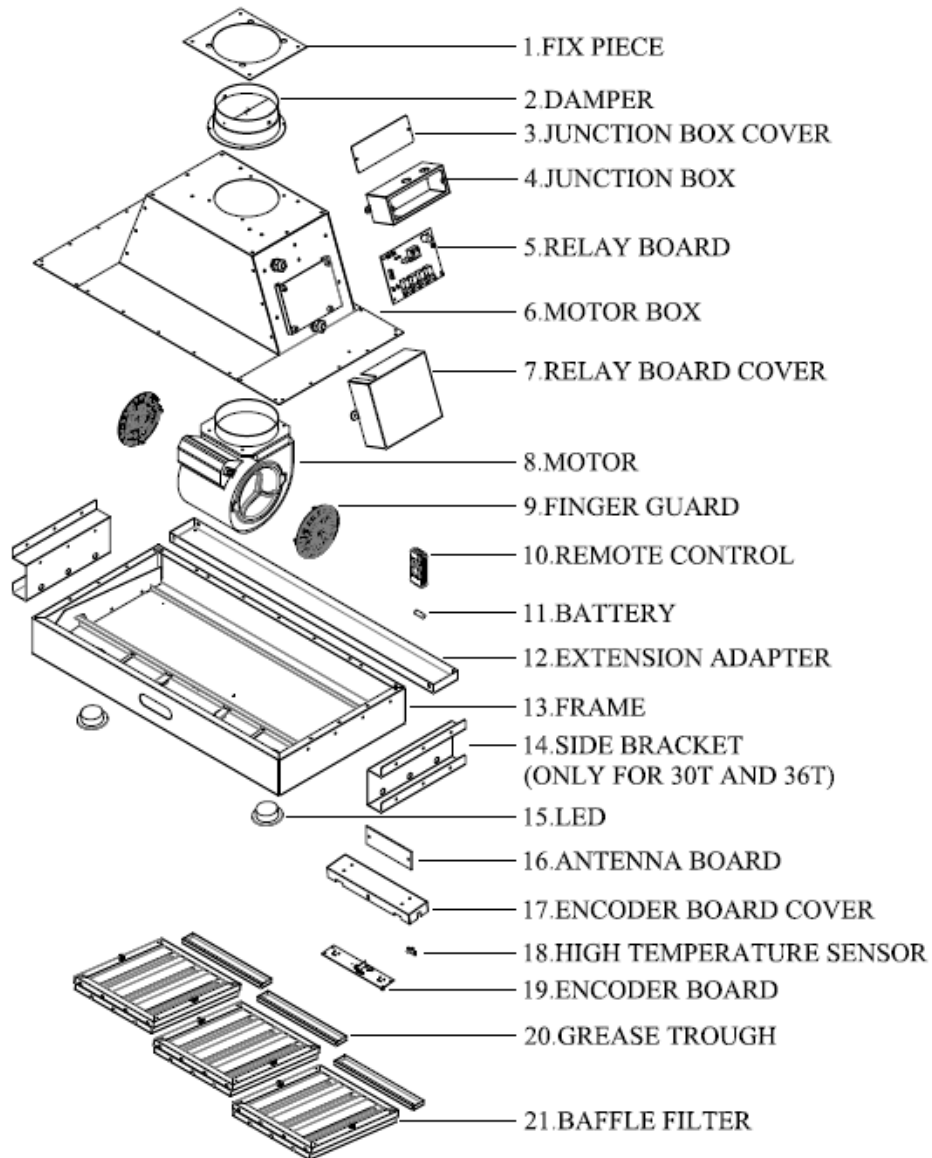
NEVER USE ABRASIVE CLEANERS, PADS, OR CLOTHS, or steel wool to clean the range hood insert.

Use only mild soap or detergent solutions on a damp rag to clean around edges and control panel knobs lights and heat sensor. Dry surfaces using soft cloth.

To keep your Foremost Range Hood insert shiny and beautiful, use the same type of non-damaging stainless steel polish that you would use on any other high quality stainless steel appliance, such as a refrigerator or range.

To Clean grease troughs and Baffle Filters, NEVER USE ABRASIVE CLEANERS, PADS, OR CLOTHS, or steel wool. Open Split baffle filters and put inside dishwasher with regular dishwasher detergent for thorough cleaning along with grease troughs, which should all be emptied of any accumulated liquid grease or oil prior to dishwasher cleaning. Or, use only mild soap or detergent solutions to clean.

Parts diagram



NO.	PART NAME	NO.	PART NAME
1	FIX PIECE	12	EXTENSION ADAPTER
2	DAMPER	13	FRAME
3	JUNCTION BOX COVER	14	SIDE BRACKET(ONLY FOR 30T AND 36T)
4	JUNCTION BOX	15	LED
5	RELAY BOARD	16	ANTENNA BOARD
6	MOTOR BOX	17	ENCODER BOARD COVER
7	RELAY BOARD COVER	18	HIGH TEMPERATURE SENSOR
8	MOTOR	19	ENCODER BOARD
9	FINGER GUARD	20	GREASE TROUGH
10	REMOTE CONTROL	21	BAFFLE FILTER
11	BATTERY		

TROUBLESHOOTING

Fan and Lights will not work at all at any speed or brightness, not responding to control knobs or remote control

Check circuit breaker to make sure it is on.

IF Circuit breaker is on, GO TO THE ADVANCED TROUBLESHOOTING section for further instructions.

Light or Lights do not work, but the fan does

Pop out LED (as shown). Circuit board.



Unhook connector. Measure 12VDC voltage at connector. If voltage is there, call FOREMOST to be sent an replacement LED assembly. If voltage not there, call Foremost to be sent a replacement control board.

Fan motor runs, but will not run at highest speeds - 3, 4, (or extra speed 5 for dual motor model 48S only):

Take off speed limiting jumper on control board. This should have been done during the “Test before installation” stage of installation. To do this now, you must remove hood insert from wooden hood and lower so you can get at this board. Refer to page xx earlier in this manual for the complete procedure.

Motor runs but makes rattling or loud humming noise

Take out baffle filters.



Check plastic grilles over fan inlet on left and right side of fan to make sure they are snapped in tightly and not rattling. Look for obstructions sticking into fan. If no obstructions are seen, turn on fan. If it still makes noise, turn off circuit breaker to range hood. Grab motor housing and gently shake it to see if it's mounting screws became loose and are vibrating. If motor still makes noise, or does not turn and hums, CALL FOREMOST CUSTOMER SERVICE

Motor will not run at all, or will not run at all speeds and limiting jumper was removed

GO TO ADVANCED TROUBLESHOOTING

Control Knob fell off or is loose on shaft

Carefully slide off rubber grip ring on knob. Using a small hex key (1.5 mm dia) place knob on control shaft and tighten on shaft. Replace rubber grip ring.



Baffle filters will not seat correctly or are rattling

Remove all filters and carefully reposition grease troughs and filters, re-hook filters to front inside surface of hood body on 900 CFM units. Make sure filters are secured together tightly with thumb screws on back.

Remote control stopped working (was working previously):

Open battery door on back of remote. Make sure battery is seated correctly in the correct orientation. Remove battery and check voltage (12 volts when new, will drop with use and will not work below 9 volts). Replace battery if needed.

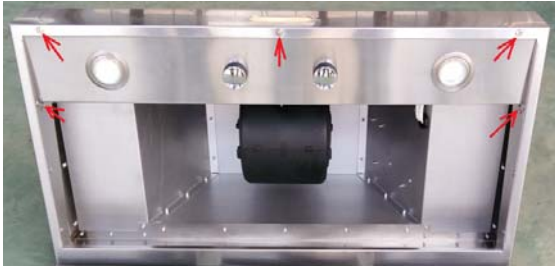
HOOD APPEARS TO BE TURNED ON BY ITSELF (POSSIBLY FROM A NEARBY NEIGHBOR WITH A SIMILAR REMOTE CONTROL, OR REMOTE CONTROL IS NOT WORKING EVEN THOUGH BATTERY IS GOOD)

If your range hood is turning on by itself and you suspect someone nearby has a remote control that is doing this or interfering, you can change the frequency of the receiver in the hood insert and the hand remote control to avoid this problem. Here is the procedure:

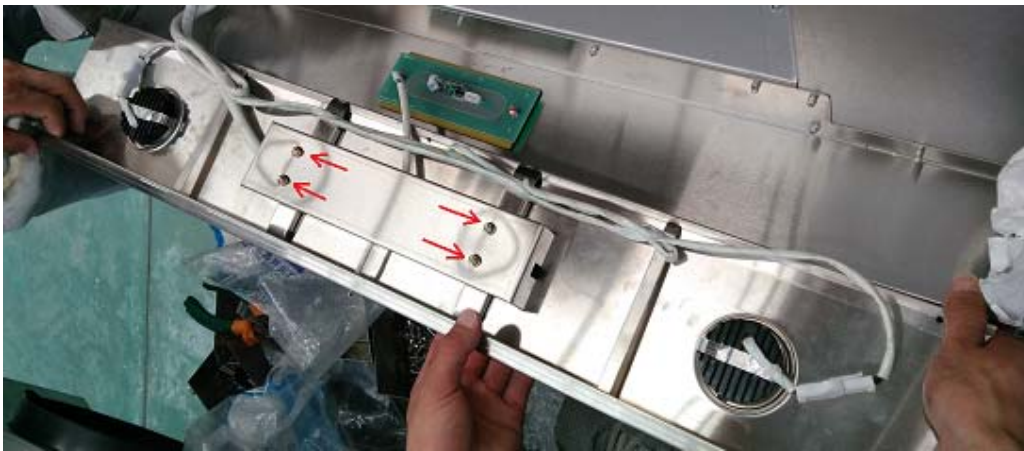
Turn circuit breaker power off.

You must drop the control panel of the range hood insert to get to the radio frequency selection switches

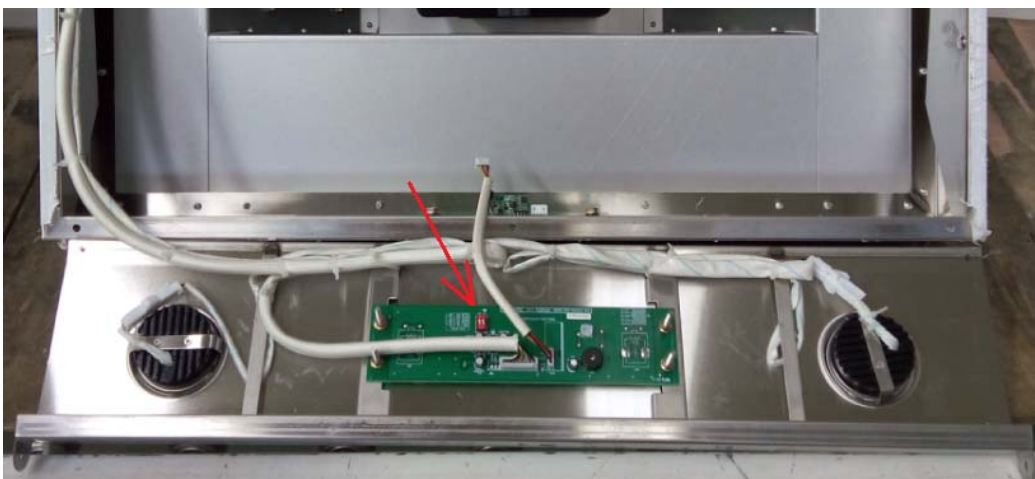
Carefully remove the screws shown here with a Phillips screwdriver. Hold the control panel as you do this as it will drop and be attached to wires when you do this.



Locate the cover on the back that houses the circuit board. Carefully remove the 2 screws holding it on with a small Phillips head screwdriver.



Find the red DIP switch as shown here.

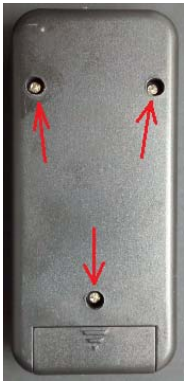


When shipped at the factory, both switches are set to OFF.

Flip the #1 switch to the ON position so it looks like this.



Open the back of the remote control with a small Phillips screwdriver.



Locate the similar switch on the back. Set it to the same setting as the switch on the receiver board in the above step. (#1 switch on).



Replace back of remote control carefully tightening the screws so you don't strip them. Replace the battery. Close battery door. Remount the control panel, carefully keeping the wires in place and not letting them get pinched or intrude into the baffle filter area. Turn on circuit breaker powering this unit. If you did the following steps correctly, the remote control will control the range hood and you will no longer have interference from another source. (You may have to change frequencies again to another setting if this does not solve the problem.)

Air is not getting sufficiently pulled into range hood intake and exhausted through exhaust duct:

Take out baffle filters and check fan motor inlet grates for obstructions. Check outlet vent outside house to make sure vent door is opening and ducts are not blocked with debris.

ADVANCED TROUBLESHOOTING

Should only be done by trained, certified service professionals

Hood insert must be out of wooden hood, down on work surface height, and power cable must be attached with circuit breaker to this power circuit off.

Fan and Lights will not work at all at any speed or brightness, not responding to control knobs or remote control

Checking power coming into hood power connection box: Take off wire nuts and place voltmeter across incoming power cable. Turn on circuit breaker, see if house voltage appears (about 115 to 120 VAC). If no voltage, check your circuit breaker and wiring to range hood to find the problem.

Power is detected at hood power connection box:

Open relay board cover by removing 2 cover screws.

If power appears here:

Check for 120 volts at these points on the relay board. If power appears here, check for 120 Volts at other end of fuse and this point. If power does not appear, fuse is blown. Turn circuit breaker off, remove fuse, and check fuse continuity. If fuse is blown, replace with same size (5mm x 20 mm) and value fuse. For 600 CFM motor, use 8A, for 900 CFM motor use 15A, for dual 900 CFM motor board, use 20 Amp slow blow.



If Power is detected on relay board, but motor will not run at any speed: check motor cable.

IF MOTOR RUNS AT ALL SPEEDS BUT ONE,

check and switch motor coil wires shown here (switch A&B, C&D). If switching does not make missing speed work, one speed motor coil is malfunctioning. Return wires to original positions.

Replace motor.



If power is detected and fuse is good, but neither remote control nor control knobs will turn on motor or lights:

Check control board located behind front control panel.

Turn off circuit breaker.

Use same procedure as used in remote control frequency change section for remove of panel and access to control board. Check to make sure all cables are correctly seated in connectors.

Turn on circuit breaker.

Try control knobs and remote control.

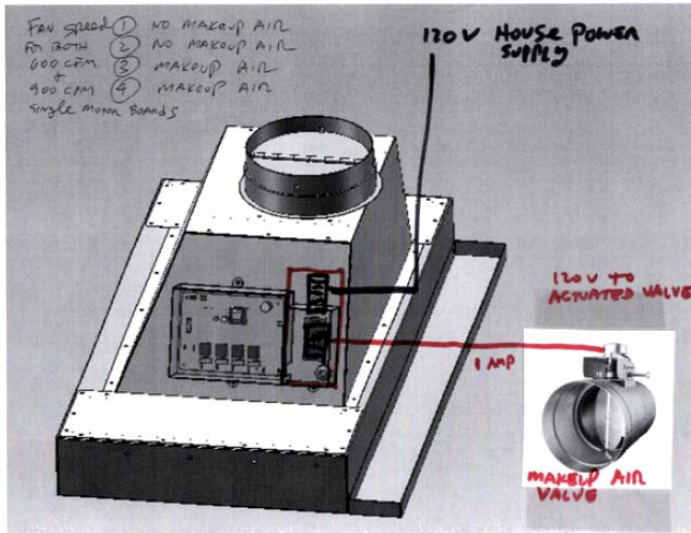
If there is still no motor or Light response, CALL FOREMOST CUSTOMER SERVICE to order a replacement control board

Makeup Air System not getting power signal above speeds 1&2:

If 120 Volts is not detected at the makeup air power wire ends when the fan is running above speed 2, (but all other light and motor functions work, open relay board cover and check terminals on board to see if 120 Volts is present. If voltage is present, check cable connection to connection box. If voltage is not, check fuse to see if it is blown (for conductivity). Replace fuse if it is blown. If fuse is not blown, CONTACT CUSTOMER SERVICE FOR REPLACEMENT BOARD.



Typical Make up air system diagram with motorized inlet damper



WARRANTY

WARRANTY CERTIFICATE

FOREMOST Range Hoods (referred to herein as “we” or “us”) warrants to the original purchaser (referred to herein as “you” or “your”) all products manufactured or supplied by us to be free from defect in workmanship and materials as follows:

TWO-YEAR LIMITED WARRANTY FOR PARTS AND LABOR ON FOREMOST PROFESSIONAL SERIES:

For two years from the date of your original invoice from a FOREMOST authorized dealer, we will, at our sole discretion, choose to repair or replace the product free of charge that failed due to manufacturing defects. LED’s and Motor are guaranteed for a period of 5 years from original date of purchase

It is your sole responsibility to ensure the product is readily accessible for a service technician to perform repairs. The service technician will not, under any circumstance, remove, alter or modify any fixture built around and/or connected to the product to gain access to perform repairs.

During the two-year Limited Warranty period, additional charges may apply which include but are not limited to:

- Parts shipping expenses
- Un-installation of defective product and Installation of replacement product

It is your sole responsibility for all labor costs associated with this warranty.

Warranty Exclusions:

Warranty only valid if installed by a professional.

This warranty does not cover, including but not limited to the following:

- a. Improper installation.
- b. Any repair, alteration, modification not authorized by FOREMOST.
- c. Duct alteration, modification and connection.
- d. Incorrect electric current, voltage or wiring.
- e. Normal maintenance and service required for the product.
- f. Consumable parts such as carbon filters.
- g. Improper usage of the product that it is not intended for, such as commercial use, outdoor use and multi-family use.
- h. Normal wear and tear.
- i. Chips, scratches or dents by abuse or misuse of the product.
- j. Damages caused by accident, fire, flood and other Acts of God.
- k. Expenses incurred for service located outside of the designated service area.
- l. Purchases from unauthorized dealers.
- m. Removal fees of defective product and Installation fees associated with replacement product.

If we determine that the warranty exclusions listed above apply or if you fail to provide all necessary documentation for warranty service, you will be responsible for all expenses associated with the requested service, including parts, labor, shipping, travelling and any other expense related to the service request.

To qualify for warranty service, you must register the product on-line:

1. Have the ORIGINAL proof of purchase
2. Be the ORIGINAL purchaser of the product
3. Have the model number
4. Have the serial number
5. Have a description of the nature of any defect in the product or part

TO REQUEST WARRANTY SERVICE, PLEASE CONTACT THE FOREMOST RANGE HOODS SERVICE CENTER:

FOREMOST

Toll Free: 888.620.3667

Tel: 219.940.6140

Fax: 219.947.3630

Email: KandBservice@foremostgroups.com

Hours: 8:00am – 4:30pm (CST) Monday - Friday

WARRANTY INFORMATION FORM

Fill in the blanks and keep this paper with the original invoice in a safe place for future service purpose.

1. Date of purchase : _____

2. Model No. : _____

3. Serial No. : _____

For warranty service or spare parts purchase contact:

FOREMOST

6241 Northwind Parkway

Hobart, IN 46342

Toll Free: 888.620.3667

Tel: 219.940.6140

Fax: 219.947.3630

Email: KandBservice@foremostgroups.com

Hours: 8:00am – 4:30pm (CST) Monday - Friday