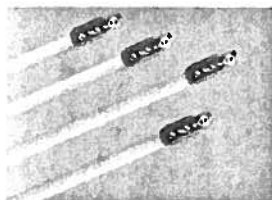


# **LintEater® PRO**

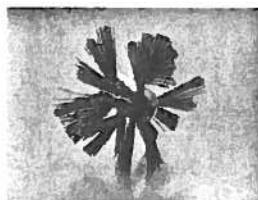
## Operator's Manual

Thank you for purchasing the  
**LintEater® Pro Rotary Dryer Vent Cleaning System.**  
Please follow the important safeguards and operating instructions  
included within this manual to enjoy the convenience and durability of our product.

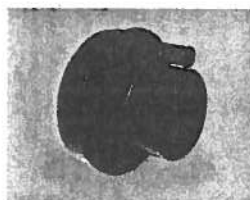
### The LintEater® Pro System includes:



**4 - 36 in. Long Flexible Rods** button-connect together to reach into vents up to 12 ft. from one end



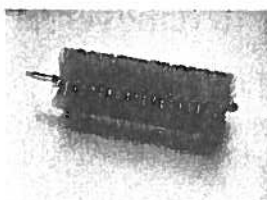
**1 - Self-feeding 4" Auger Brush** makes multiple turns in your vent.



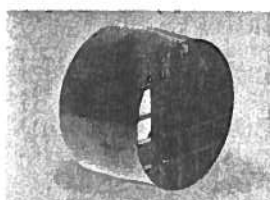
**1 - Vacuum Adapter.** Connect to a shop vac to collect the lint while rotary brushing.



**1 - Blockage Removal Tool.** Removes heavy blockages and clears gutter downspouts.



**1 - Large 2.5" dia. Lint Brush** with Exceptional 42" Reach when connected to one flexible rod.



**1 - Dryer/Blower Adapter.** Safeguards the blower wheel by stopping the Auger Brush when using the dryer air or a blower to remove the lint while rotary brushing.



**1 - Drill Adapter**  
**1 - Button Release Tool**

## *Important Safeguards!*

- Read all safety & operating instructions before use.
- All warnings in the manual should be strictly adhered to.
- **Failure to comply with the instructions & safety rules may result in property damage or personal injury.**
- Retain the safety & operator's manual for future use.
- Not all vents can be cleaned. It is sometimes necessary to replace or re-route the vent system due to improper material or installation.

## *Important Tips*

1. To ensure safe operation of your dryer, it is recommended that the dryer vent system be cleaned 3 to 4 times per year.
2. It is also recommended that lint and other debris be cleaned from behind the dryer, the back of the dryer, underneath the dryer and the entire area surrounding the dryer 3 to 4 times a year or more often if necessary.
3. The lint screen should be cleaned before every load
4. The lint screen should also be washed with hot soapy water and an old toothbrush (or other brush) at least every six months to remove the film created by dryer sheets.
5. The lint screen duct, (the area that the lint screen slides or rests into), should be cleaned once a week.



## *Caution*

- Only use a cordless drill with an adjustable clutch. Corded drills with an adjustable clutch spin at twice the speed of a cordless drill and extreme caution must be used to ensure the drill does not exceed 1500 RPM during use.
- Keep clutch setting on drill at mid to lower range setting while rotating the rods.
- Never force the rods or over-torque rods with drill. Doing so may result in rod breakage or damage to the venting system.

## *Safety Tips*

- **Always wear eye protection & a respirator or dust mask.**
- Keep all loose clothing & objects tucked in to prevent them from being tangled around the rotating rods.
- Add one rod at a time when spinning into the vent.
- Never use the dryer to blow the lint out while rotary brushing without the included Dryer/Blower Adapter which will prevent the brush from rotating into the blower wheel of the dryer.
- Failure to use the Dryer/Blower Adapter could cause damage to the blower wheel and also to the tool.

Gardus, a HY-C Company, reserves the right to improve, change or modify the construction of the tools, including all attachments or any part thereof, without incurring any obligation to make these changes on previously delivered kits or accessories.

### **Limited Warranty:**

The LintEater<sup>®</sup> Pro kit and all accessories are designed for homeowner use. All components are warranted for a period of one year from date of purchase. Should any part fail due to a manufacturing defect, return the defective part to Gardus and we will replace it free of charge. A return authorization number is required prior to returning any item.

Gardus does not warranty failure of any part due to operator error. Be sure to read all operating instructions and safety precautions before operating any of the tools.

Manufacturer accepts no liability for property damage or personal injury due to the operation of these tools and accessories. This is the full extent of the warranty made by Gardus. There is no other expressed warranty. All implied warranties are hereby excluded.

# Operating Instructions

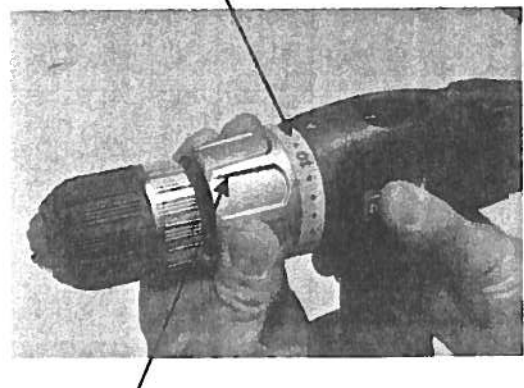
## Recommended Drill

Any cordless drill with a 3/8" or 1/2" chuck with an adjustable clutch will work.

### Setting the Clutch on your cordless drill

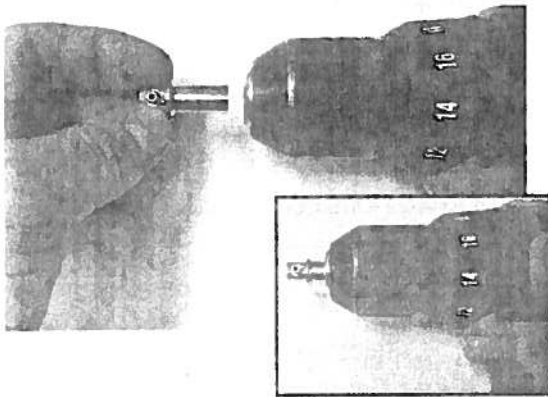
- Adjust clutch to a setting in the middle of the range or slightly lower.
- You should be able to hold the properly adjusted chuck with your hand & prevent it from spinning yet there should be a fair amount of torque.

Set on middle setting or lower



Turn to adjust clutch

## Inserting Drill Adapter into Drill



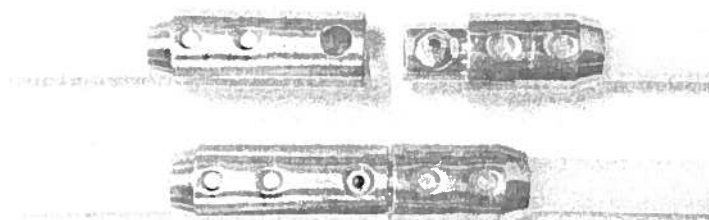
Insert drill adapter into drill and tighten by hand or by holding the chuck firmly and spinning the drill in the forward direction.

### Notes:

- As a safety feature, the shank on the drill adapter is round in order to allow the drill to spin on the shank in case the rods bind up.
- A hex shank is available upon request if you plan to use an impact driver "with an adjustable clutch". The tool can "only" be used if the impact driver has an adjustable clutch.

## Connection Rods

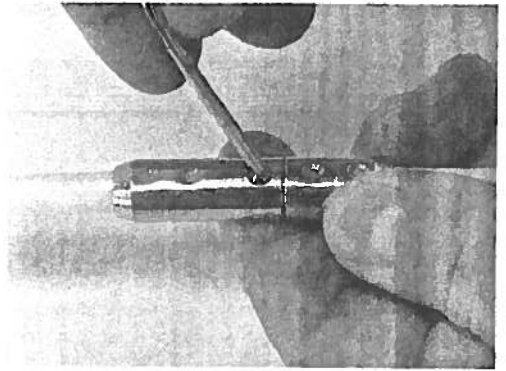
To connect the rods, depress the spring button with your thumb, push rods together and then spin the rods until the spring button snaps into hole. Be sure button is fully engaged with hole before continuing.



## Disconnection Rods

To disconnect the rods, use the Button Release Tool to depress the button.

**Important Tip:** While depressing the button, use the point of the tool to push the fittings apart. This will help to speed the process of disconnecting the rods and increase the ease of use.



## Connecting Brushes to Rods

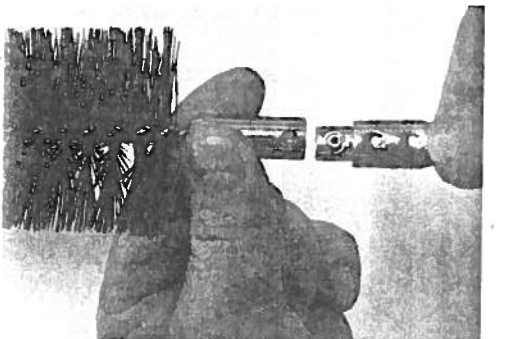
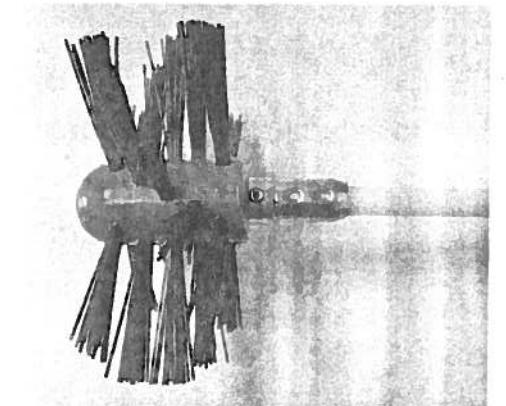
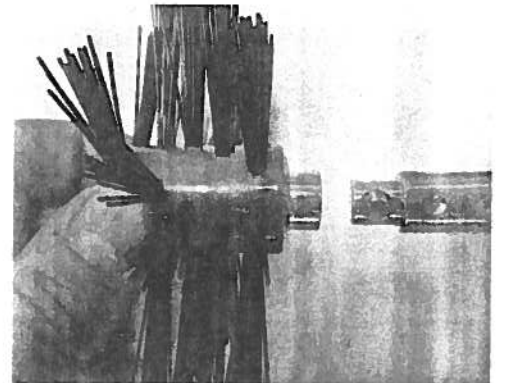
To connect the brushes to the rods, depress the spring button with your thumb, push rods together and then spin the rod until the spring button snaps into hole of the brush fitting. Be sure button is fully engaged with hole before continuing.

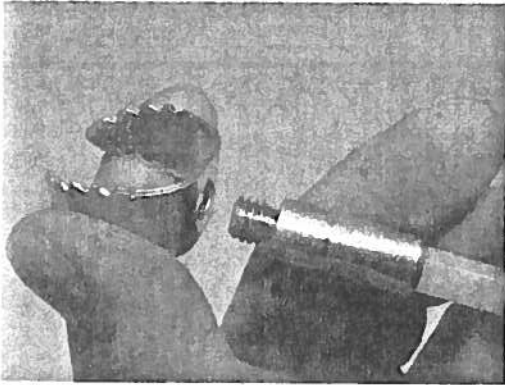
To disconnect the brushes from the rods, use the Button Release Tool to depress the button.

**Important Tip:** While depressing the button, use the point of the tool to push the fittings apart. This will help to speed the process of disconnecting the rods and increase the ease of use.

### Important Note:

The Lint Trap must only be used by hand – Do Not spin with the drill.



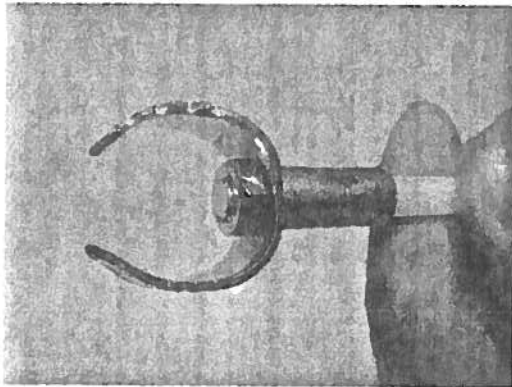


### Connecting Blockage Tool to Rods

To connect the Blockage Tool to the rods, depress the spring button with your thumb, push rods together and then spin the rod until the spring button snaps into hole of the blockage tool fitting. Be sure button is fully engaged with hole before continuing.

To disconnect the brushes from the rods, use the Button Release Tool to depress the button.

**Important Tip:** While depressing the button, use the point of the tool to push the fittings apart. This will help to speed the process of disconnecting the rods and increase the ease of use.



#### **Important Note:**

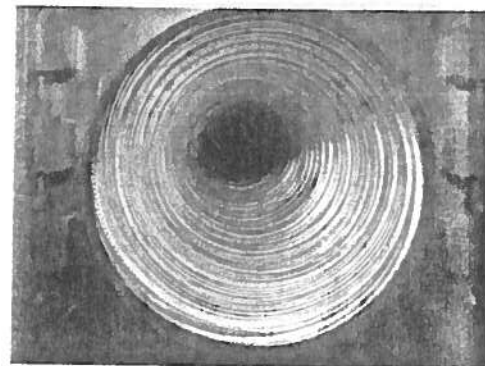
The Blockage Tool should only be used by hand when used in white vinyl venting, foil venting or aluminum flex venting. Use of a drill in these types of venting will result in damage to the venting system.

# Getting Started

## Step 1

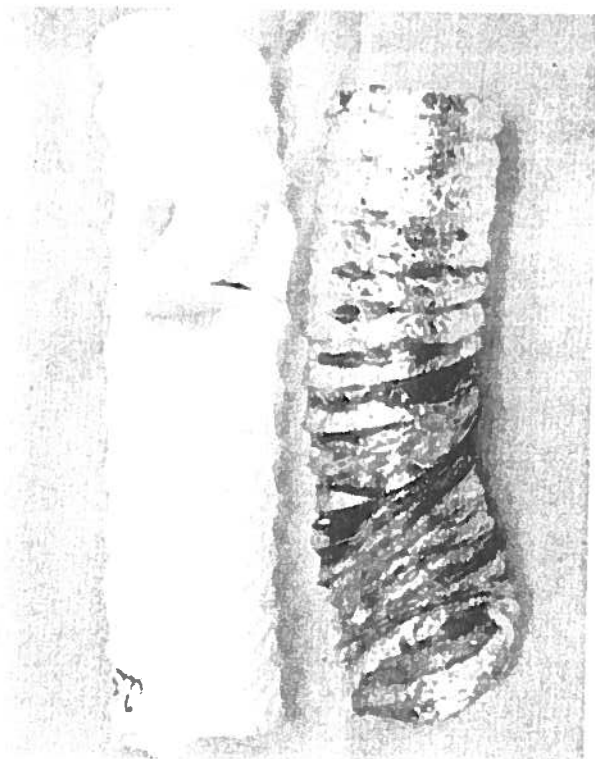
Determine what type of material was used for venting.

1. This can be done by looking into the exterior vent hood with a flashlight.
2. It can also be determined by placing the end of a FlexRod into the vent approx. 12 to 18 inches and tapping on the inside of the vent. Listen to the sound that the steel fitting on the rod makes when it contacts the inner walls of the vent.
3. White vinyl or foil venting will make a dull sound while rigid or semi-rigid venting will have a positive metal to metal sound and feel.



White Vinyl

Foil



The **LintEater** is designed to clean all types of venting.

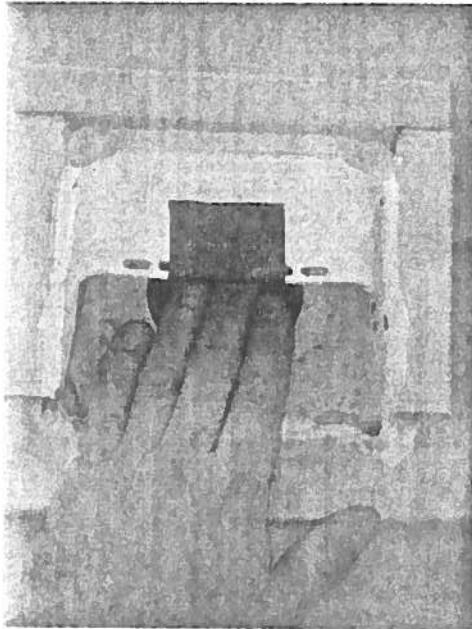
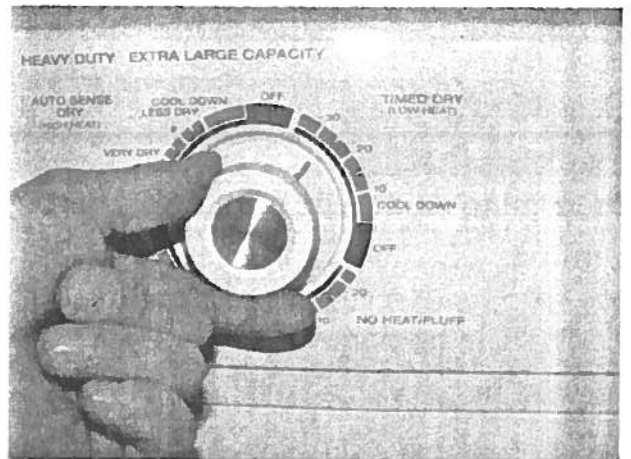
However, extra care must be taken when cleaning white vinyl or foil.

## Caution!

**White Vinyl** and **Foil** venting should be replaced with rigid or semi-rigid All Metal venting if possible.

## Step 2

Select a heat cycle on the dryer and then turn the dryer on.



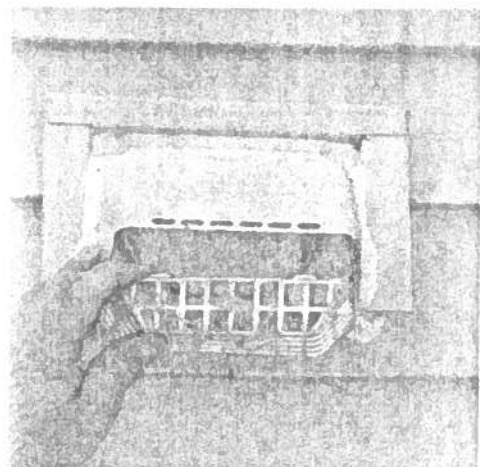
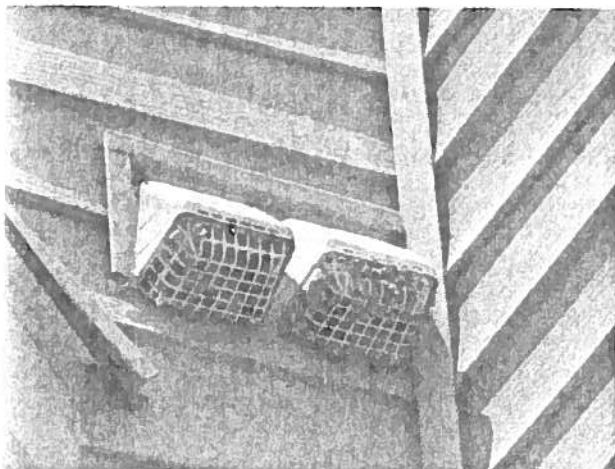
## Step 3

Go to the exterior and check for air flow coming out of the vent hood.

- If there is No airflow- go to step 4.
- Yes, there is airflow- go to step 7.

## Important Note:

If there is a screen over the vent hood, remove it and do not re-install as it will collect lint.



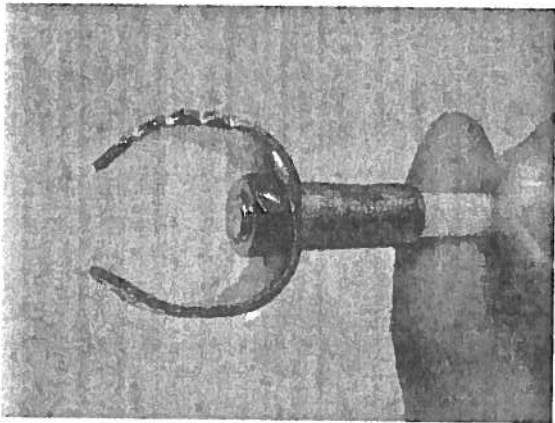
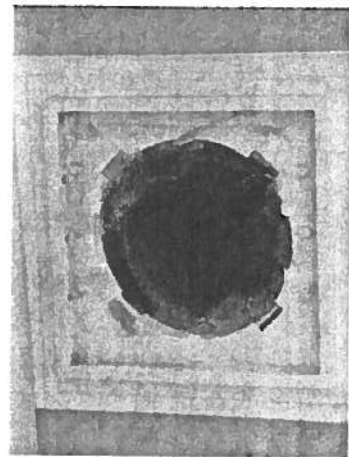


## If There is **NO** Airflow

### Step 4

Look for visual signs of a bird's nest such as bird droppings by exterior vent hood.

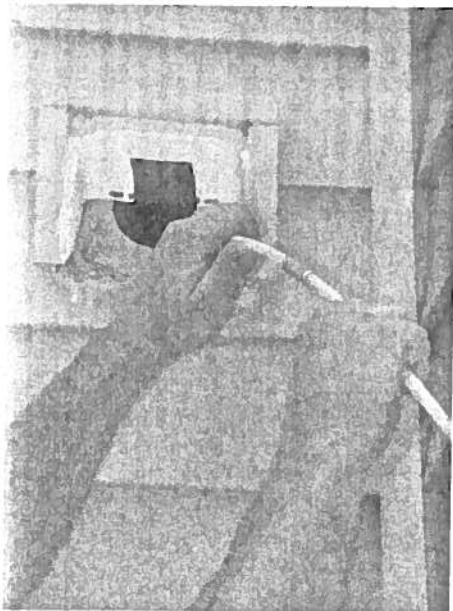
Also look for straw, leaves, twigs or anything else that is not lint inside the end of the vent.



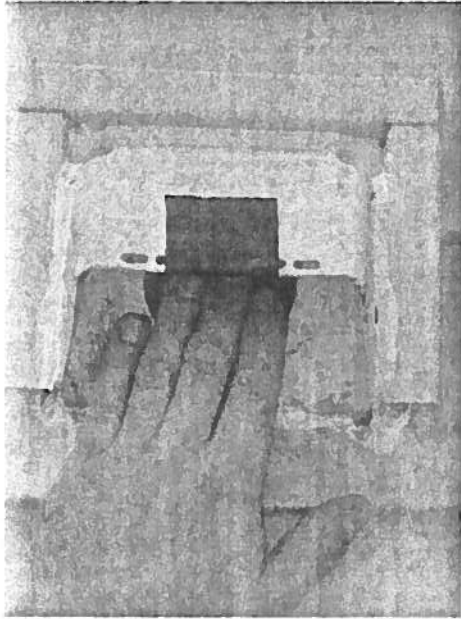
### Step 5

**If there is a bird's nest or other blockage, use the "Blockage Removal Tool" to remove the blockage.**

- a) Be sure that the dryer, vacuum or blower is turned OFF.
- b) Attach the Blockage Removal Tool to one of the flexible rods and insert into the vent, from the exterior, by hand.
- c) Add additional rods if necessary until you reach the blockage.
- d) Twist the rods in a clockwise direction while pushing the rods & tool into the blockage.
- e) When you have grabbed the blockage, continue to twist the rods clockwise while you pull the blockage out of the vent.
- f) Repeat this process until the Blockage Tool can be pushed freely past the problem area.



## Step 6



Turn the dryer on again and check the airflow at the exterior vent hood.

### **STILL NO AIRFLOW?**

This may be caused by a more severe problem such as;

- Disconnected vent
- Crushed vent
- Torn vent pipe, etc.

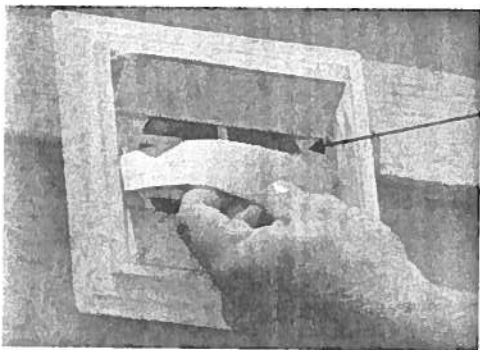
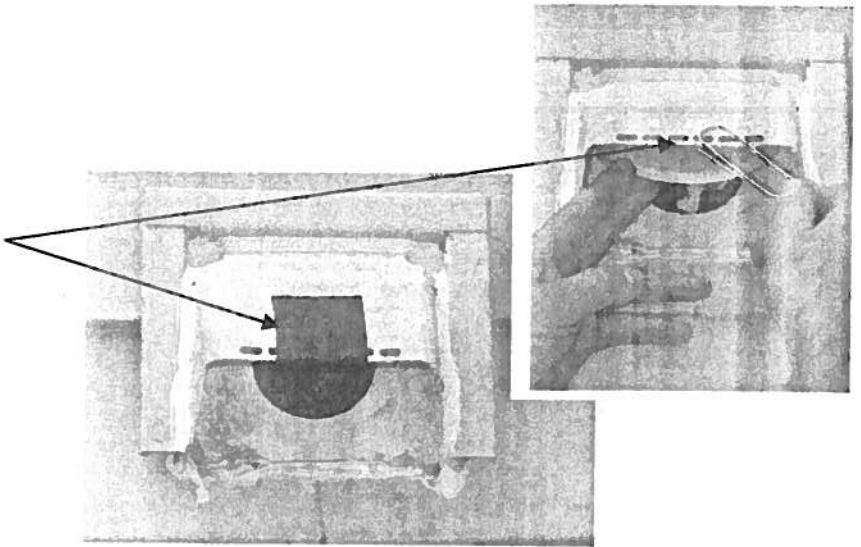
### **Important Note**

**If signs of a more severe problem exist, it is recommended that a professional be called to test the system with specialized tools. Once the problem is identified, they will be able to make any necessary repairs.**

## If There "IS" Airflow

### Step 7

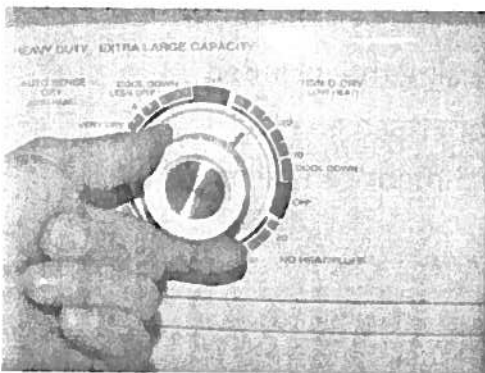
Tape or clip damper on hood in the open position or remove louvers on louvered vent hood.



Remove the louvers by bending them slightly in the middle.

#### Caution!

Be careful not to break the plastic pin on the ends of the louvers.



### Step 8

Go back inside to the dryer;

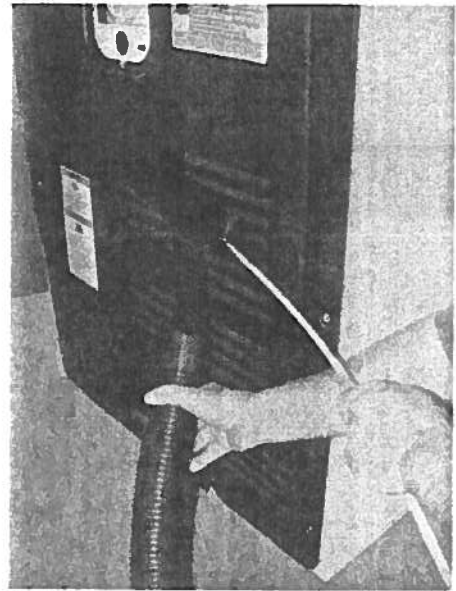
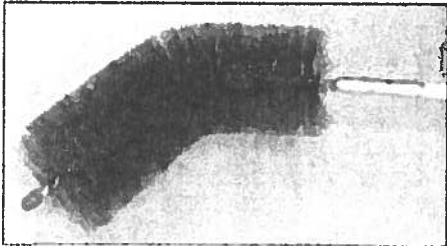
a) Turn dryer OFF & UNPLUG.



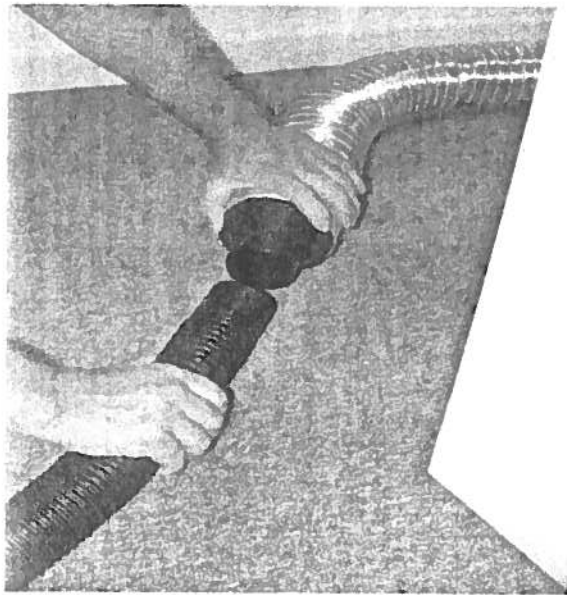
b) Pull dryer out carefully, especially if gas.

## Step 9

Clean area behind dryer as well as the back of the dryer itself using the Lint Trap brush and a vacuum



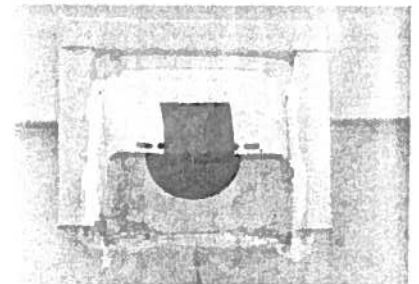
## Step 10



- a) Remove vent from the back of the dryer.
- b) Hook-up a shop vac using the included "Vacuum Adapter" or attach an electric leaf blower to vent. Attachment can be made by using a piece of duct tape.
- c) Be sure that the outside vent hood is taped open before turning vacuum on!

## Caution!

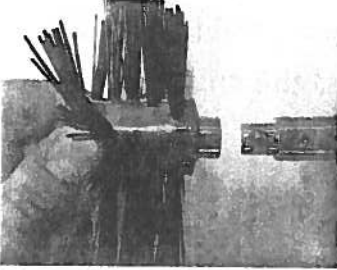
If vent compresses when the vacuum is turned on, turn vacuum off immediately. This indicates a blockage or restriction in the vent and should be checked by a professional.



# CLEANING FROM OUTSIDE WITH A CORDLESS DRILL

## Step 11

### Cleaning From Outside:

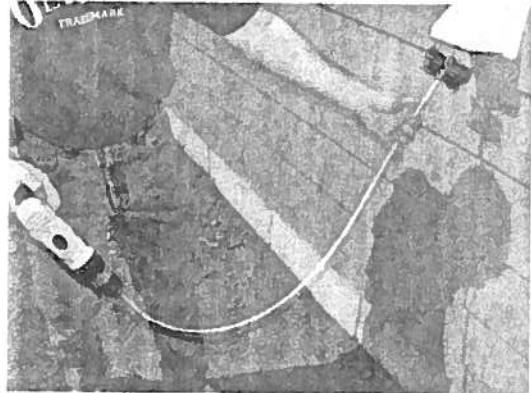


1. Connect 4 in. Augur Brush to flexible rods.

2. With the vacuum/blower running, go to the exterior and begin spinning the rods & brush into the vent.

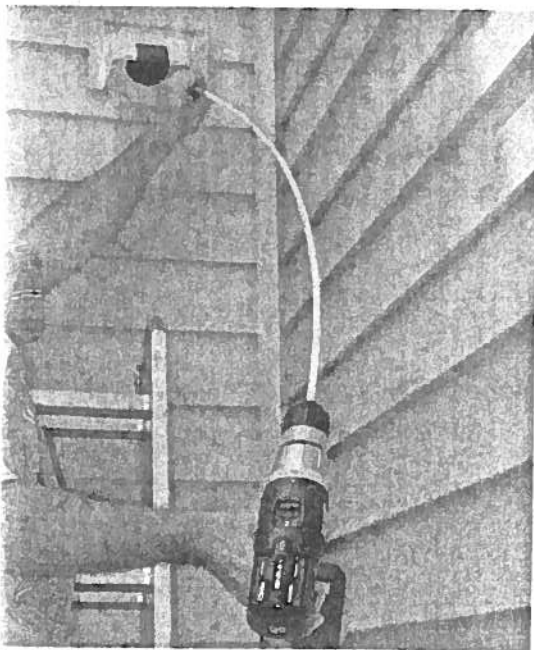
**Important:**

a) Be sure the clutch is set on in the mid range (or lower). (See drill operation)



3. Connect one rod at a time until you reach the opposite end.

**Note:** If your vent is longer than the included length of rods, finish cleaning from the opposite end. (Included rods will clean up to 18' of venting when used from each end.)



4. It is recommended that you spin the drill at a moderate to high speed while using a back & forth motion.

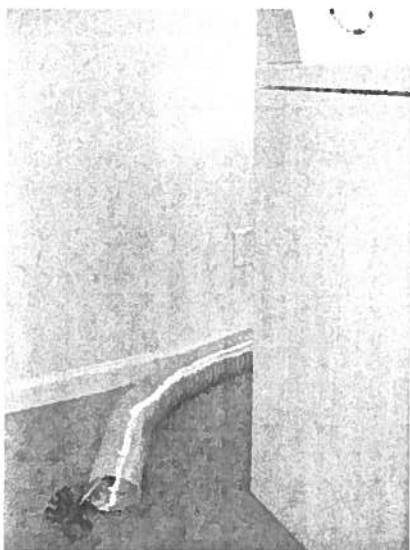
5. If the brush binds up, stop immediately.

**Important Note:** Use caution and take your time to avoid breaking the rods or damaging the vent.

**Never Force the Rods!**

## CLEANING FROM OUTSIDE WITH A CORDLESS DRILL

### Step 11 (cont)



6. Once you feel you have reached the end, go to the interior, disconnect the vacuum or blower and look inside the vent to see if the brush has reached the end.

If the brush is not visible, and you felt the brush binding up when you were rotary cleaning, it may be necessary to finish cleaning from the inside toward the outside.

### Step 12

#### Removing the Rods from the Vent:

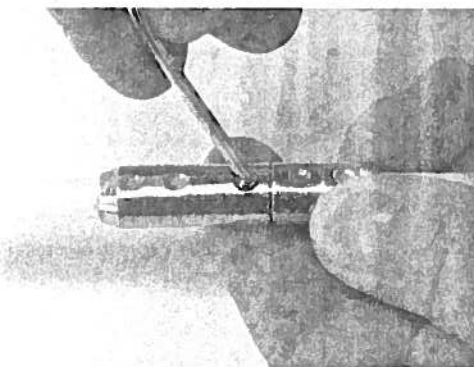
##### Method 1:

1. Continue spinning rods as you pull them out of the vent.

2. Disconnect one rod at a time.

3. Attach the drill after disconnecting each rod to continue spinning the rods as you remove.

**Note:** If you need to finish cleaning the vent from the inside, count the number rods used so you can estimate how far you have reached from the outside.



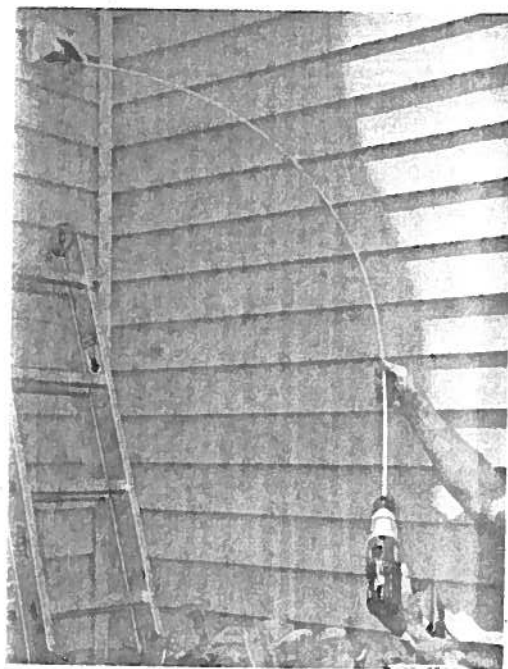
## Step 12

### Optional Method for Removing the Rods from the Vent:

#### Method 2:

It's also possible to remove all of the rods at one time by spinning the rods and pulling them out of the vent as you walk away from the vent hood (providing you have the room to do so and it does not present a safety hazard to you or the surrounding area).

Try to stop when the brush reaches the vent hood. This will keep the rods & brush from falling and will prevent possible damage to the surrounding area.



## Step 13

### Cleaning from "Inside" toward outside:

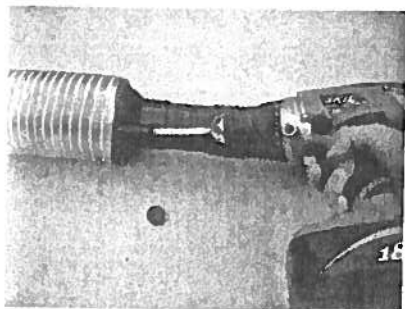
This can be done by spinning the auger brush and rods from the inside toward the outside.

**Attach the Vacuum Adapter as shown.**

With the vacuum running, the loosened lint will be pulled back toward you and collected in the vacuum.

Once you feel confident that you have cleaned the vent completely, you can remove the rods and brush from the vent as mentioned earlier.

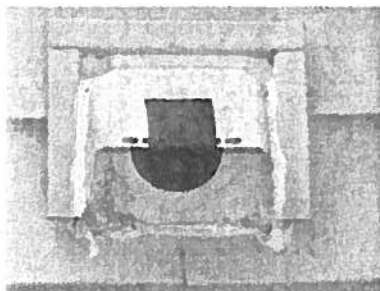
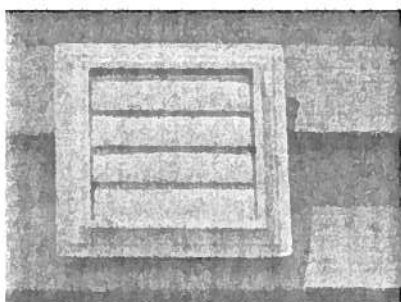
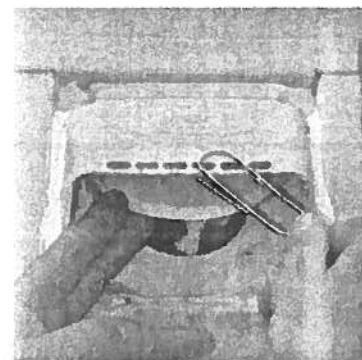
**Important Note:** The Vacuum Adapter is designed to fit a shop vac having a 2 ½" hose only. It is not recommended to use a shop vac or household vac having a 1 ½" hose (or smaller) since the lint being collected will continually clog the the hose.





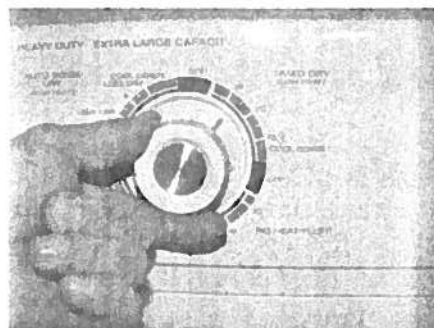
## Step 14

Remove the tape or clip from the damper or re-install the louvers if you have a louvered vent hood. Be careful not to break the pins on the ends of the louvers.



## Step 15

Once the vent system is cleaned, connect the vent to the back of the dryer using the proper material. (See following section)

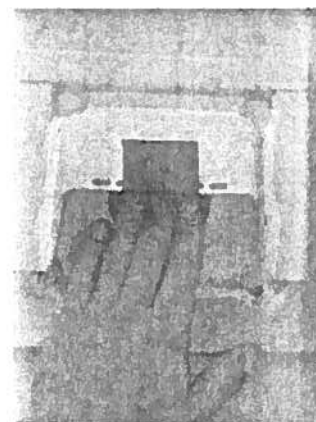


## Step 16

Slide the dryer into place and plug the electrical cord into the outlet.

## Step 17

Turn the dryer on and then go to the exterior and check for air flow. You should feel a higher volume of air coming out of the vent hood.





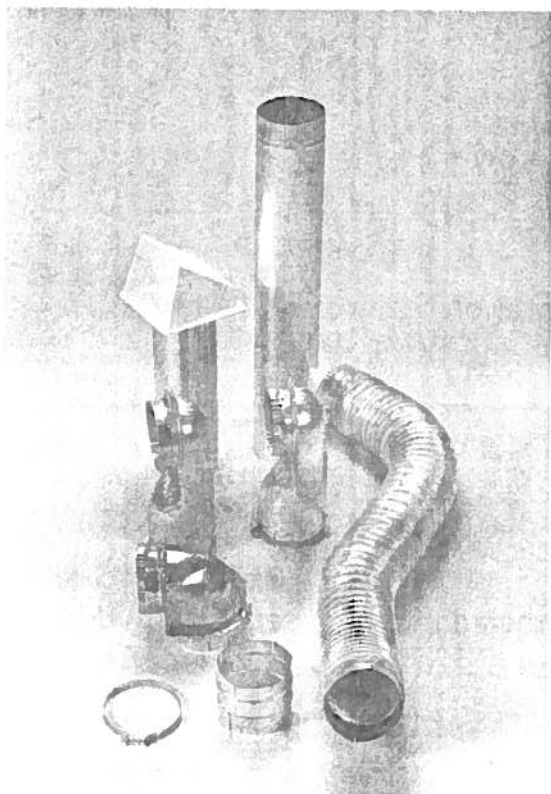
# Connecting Dryer Vent

**Replace all white vinyl or foil venting with all metal venting.**

If you have white vinyl or foil venting behind the dryer or throughout the venting system it should be replaced with flexible metal or rigid metal venting.

The following are some tips to help you install flexible metal venting from your dryer to the wall or ceiling.

This section of venting is called the **transition duct**.



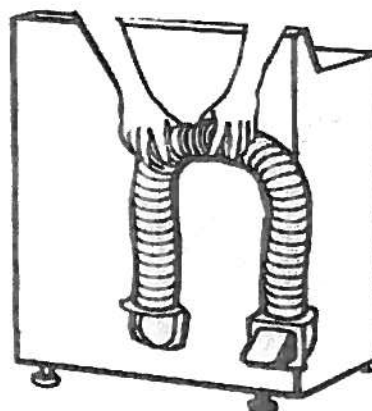
Example of All-Metal Venting Components  
Used for Proper Installation

## **Installation Note:**

When installing venting components, the male end or (crimped end) must always face toward the exterior. This holds true for the entire venting system.

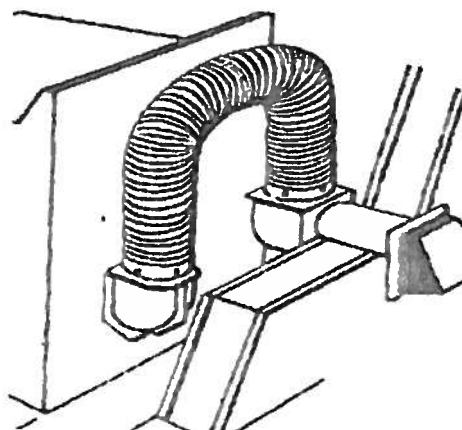
**Note:** The following are only tips to help you with the installation.

It may be necessary to call a professional to **ensure proper installation.**



## **“Loop” Method:**

When used with the proper materials, this method will allow you to connect the venting to the dryer while it is pulled away from the wall. It will form a rounded transition from the dryer to the connection point of your venting system which, in many cases, is in the wall or floor.

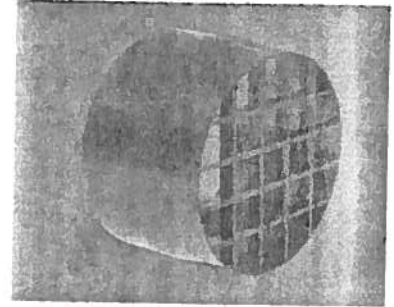


# Additional Cleaning Methods

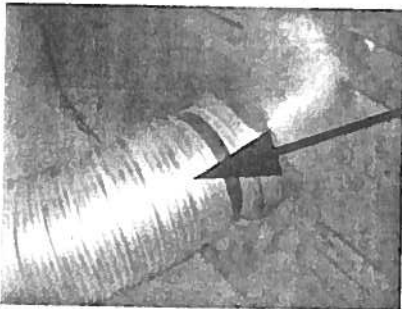
## Method 1

### Using the dryer to blow the lint out while rotary brushing

The “**Dryer Adapter**” has a built-in guard to prevent the rotating Auger Brush from entering the dryer thus preventing damage to the blower wheel within the dryer.



a) Place the **Dryer Adapter** on the back of the dryer.

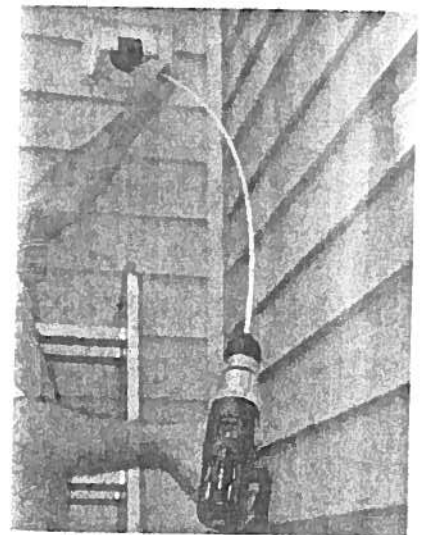


b) Connect the vent to the adapter and secure with duct tape.

c) With the dryer running, go to the exterior and begin rotary brushing from outside as described earlier.

**Important:** Be sure to remove the Dryer Adapter when you have completed the cleaning as it will collect lint if left in place during normal operation of the dryer.

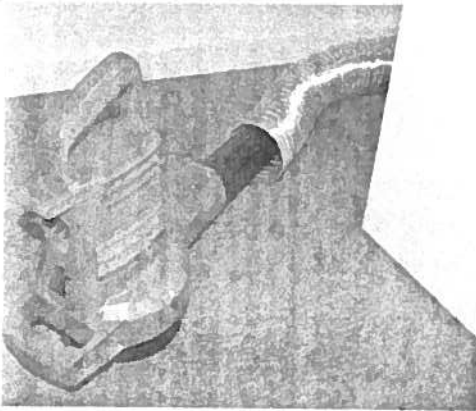
**Note:** Eye protection & a respirator must be worn as the loosened lint will be blown out toward you.



## Additional Cleaning Methods

### Method 2

Using an Electric Leaf Blower to blow the loosened lint out of the vent while rotary brushing from outside



An electric blower can also be attached to the vent on the inside to blow the lint out while you rotary brush from the outside toward the inside.

**Important Note:**

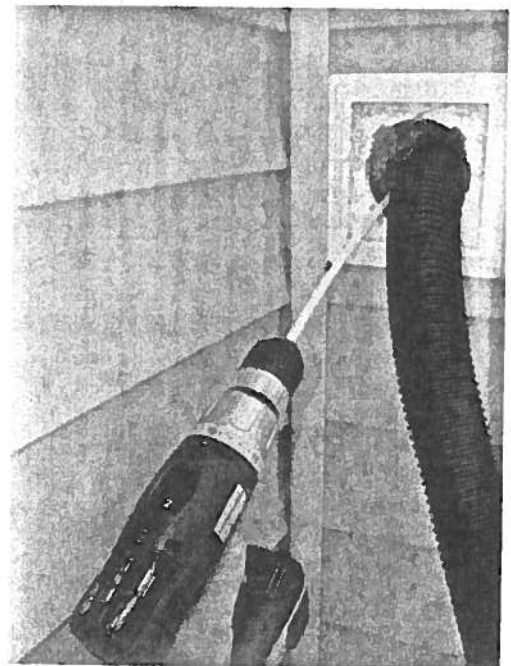
- a) Connect the Dryer Adapter between the blower & vent to prevent the brush from entering into the blower.
- b) Always wear eye protection & a respirator.

### Method 3

Rotary brushing from outside with vacuum connected outside

This is not a preferred method but the cleaning can be done this way.

**Important Note:** Only use this method with the **Dryer Adapter** installed at the opposite end of the vent on the interior. This will stop the brush when it reaches the end of the vent.

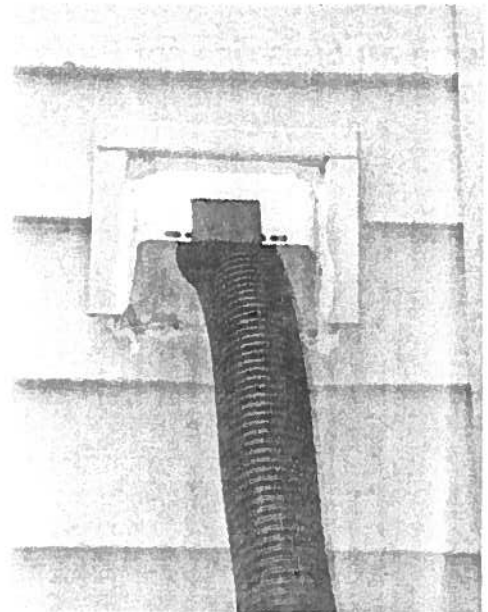


# Additional Cleaning Methods

## Method 4

### Rotary brushing from inside with vacuum connected outside

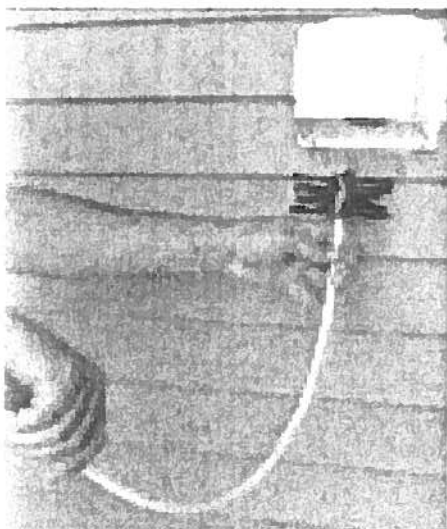
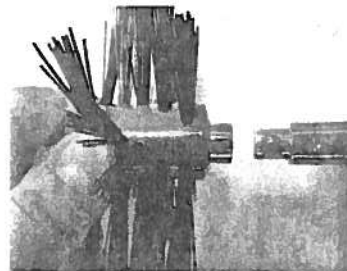
- a) Connect the vacuum hose to the exterior vent hood.
- b) Rotary brush from the inside toward the exterior while the vacuum collects the loosened lint on the outside.



## Method 5

### Cleaning by Hand from the Inside or Outside

- a) Connect the 4 in. Augur Brush to flexible rods.



**4.** Rotate rods in a clockwise direction while using a back and forth motion to remove the lint from the dryer vent.

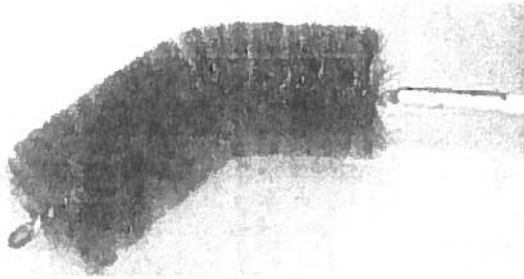
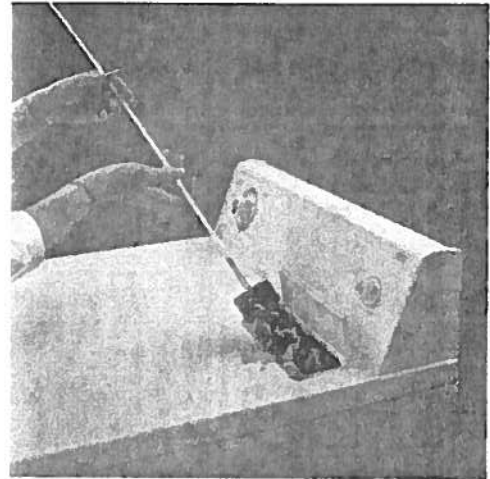
Included rods will clean 18' of venting when used from each end.

**Note:** A shop vac, electric leaf blower or the air from the dryer should be used to remove the loosened lint while brushing the vent.

# Cleaning Lint Trap & Lint Screen Duct

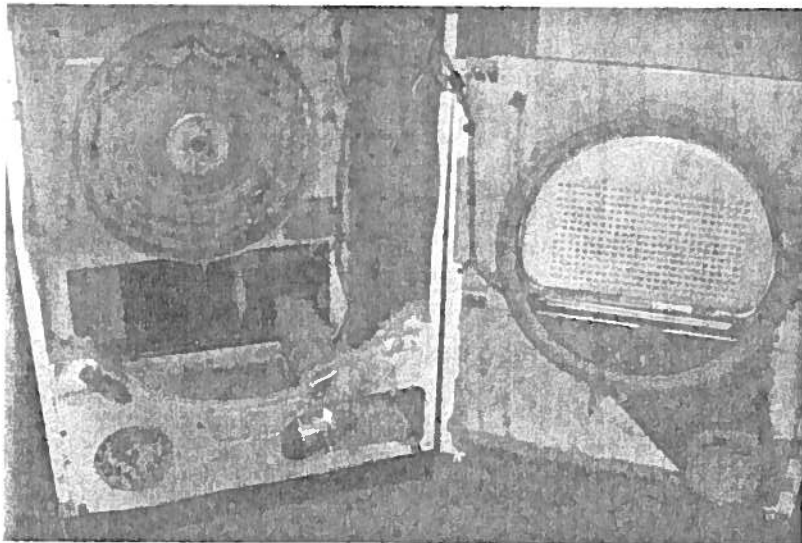
**Works for dryers with lint screens in the "Top" of the dryer (as shown) & for dryers with lint screens inside the front door!**

1. Always "scoop" the lint up toward you when clean the lint trap area.
2. Use a vacuum to remove the lint from the brush as you pull the lint up & out of the Lint Trap.



Bend brush for more versatility

## Clean the Dryer Interior



Although cleaning the dryer vent system is extremely important, it is equally important to clean the inside of the dryer as well. Only attempt this if you are familiar with taking dryers apart. Otherwise, it is recommended that a professional be called to periodically clean & inspect the interior of your dryer.

## Cleaning baseboard heat or under refrigerator with the *Lint Brush*

### Baseboard Heat:

Works great to remove the dust buildup on the fins inside your baseboard heat. Simply run the brush over the fins while rotating the brush clockwise. Use a vacuum to clean the brush as you go. Be careful not to damage the fins.



### Under the Refrigerator:

When attached to one or more FlexRods, the lint brush also works great for cleaning out the debris from under the refrigerator or any hard to reach areas around your home.

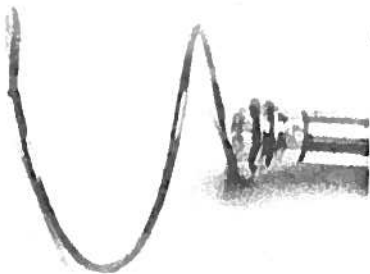
### Use Blockage Removal Tool for clearing "Gutter Downspouts"

- Attach the **Blockage Removal Tool** to a rod as mentioned earlier
- Feed the first rod with the tool up into the bottom of the downspout.
- Continue to add rods until you reach the blockage.
- Use your hand or the drill to rotate "**Clockwise**" into the blockage until it is cleared.

**The tool can also be used from the top as well.**



## What to do if the rods disconnect in the vent



The rods may disconnect leaving some of the rods and the brush inside the vent, if not fully connected during use.

Although this rarely happens, we have designed a "Retrieval Tool" to grab the brush and pull it out. It attaches to your remaining rods and is used by hand without the drill.

To obtain this tool, please contact us at:

[sales@gardus-inc.com](mailto:sales@gardus-inc.com)

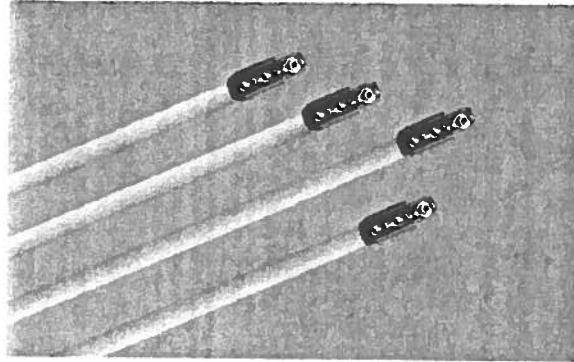
Phone: 203.985.0208

## Additional Products from **Gardus**<sup>®</sup> INC.

### 12' Extension Kit

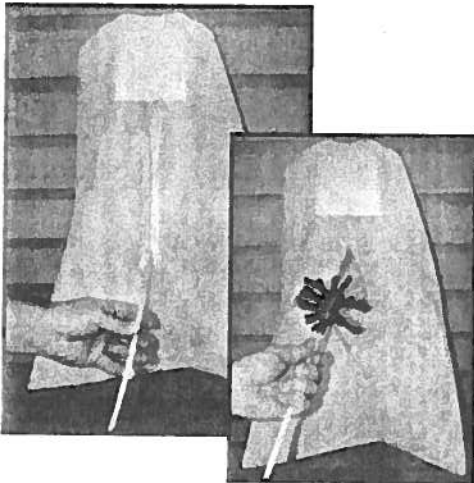
Adds to your **LintEater**<sup>®</sup> Rotary Dryer Vent Cleaning System for vent runs longer than 12 feet.

Includes: 4 - 3' long Flexible Rods



### LintCatcher<sup>®</sup>

Captures loosened lint from the dryer vent while rotary brushing with the **LintEater**<sup>®</sup> System!



Simply attach the LintCatcher™ to the exterior vent hood, turn on your blower or dryer and begin rotary brushing the vent system.

As the loosened lint is blown out by the blower or dryer air, it is collected in the LintCatcher™ making your job clean and hassle free.

Works great when cleaning from the outside or from the inside!

#### Easy to use



Attach the clips



Position LintCatcher  
over the vent



Secure with  
drawstring

### How to Purchase Accessories & Spare Parts

If you would like to purchase additional accessories or spare parts, please go to [www.lint eater.com](http://www.lint eater.com) then click on the "Where to Buy" tab.

Thank You

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