



# 4" Dust Separator Cyclone Kit



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Put these instructions and the original sales invoice in a safe, dry place for future reference.

Install the dust separator cyclone kit onto a barrel or other container (not included with kit) to separate small dust particles from large wood chips. The small dust particles will be pulled through the out-feed port into the dust collector while the large wood chips will fall to the bottom of the barrel or container.

## IMPORTANT SAFETY INSTRUCTIONS

Always follow basic safety precautions including the following.

### ⚠ WARNING

For your own safety, read, understand and follow the owner's manual and all labels on the tools and dust collector before using any tool or equipment.

### ⚠ WARNING

Some dust created by operation of power tool contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm. To reduce your exposure to these chemicals, work in a well ventilated area and work with approved safety equipment. Always wear OSHA/NIOSH approved, properly fitting face mask or respirator when using such tools.

### ⚠ WARNING

Do not attempt to operate tool until it is completely assembled according to the instructions.

### ⚠ WARNING

Metal shavings or dust can set sawdust on fire. Collect wood materials only. Do not collect metal shavings or dust with anything that has metal in it. Disconnect dust collector system from any tool before working on metals. Remove all traces of wood dust from inside that tool's dust traps. Remove all traces of metal shavings or dust before reconnecting the vacuum/dust collector.

**IMPORTANT: To prevent static build-up, make sure the hose is grounding when using a plastic barrel or container.** Always ensure the dust collection network is properly grounded. If in doubt, contact an electrician.

**SAVE ALL WARNINGS AND INSTRUCTIONS FOR FUTURE REFERENCE**

## UNPACKING

### Packaging Contents

DESCRIPTION	QUANTITY
4" Ports	2
4" In-feed Elbow	1
4" Out-feed Elbow	1
4" Turn Key Hose Clamps	2
#10-24 pan head screws, 1-1/4" long <b>NOTE:</b> The longer screws are provided to be used with thicker lids, if needed.	8
#10-24 pan head screws, 3/4" long	8
#10 washers	8
#10-24 nylock nuts	8
Template	1

**NOTE:** Contact the customer service center if any of these parts are missing.

**NOTE:** After unit is assembled dispose of all packaging material in an environmentally safe way.

## INSTALLATION

Refer to Figure 1 to 5

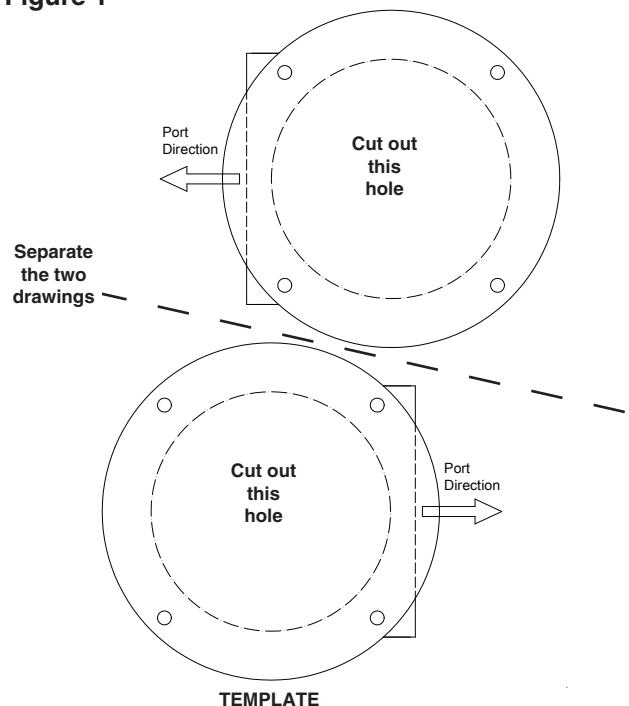
### TOOLS NEEDED

- Scissors
- Marker
- Tape
- Drill and drill bit
- Jigsaw or suitable cutting tool
- Cross-head screwdriver or bit

**IMPORTANT:** This kit is designed to work with 4" flexible dust collection hoses. Additional adapters, specific to your application may be required.

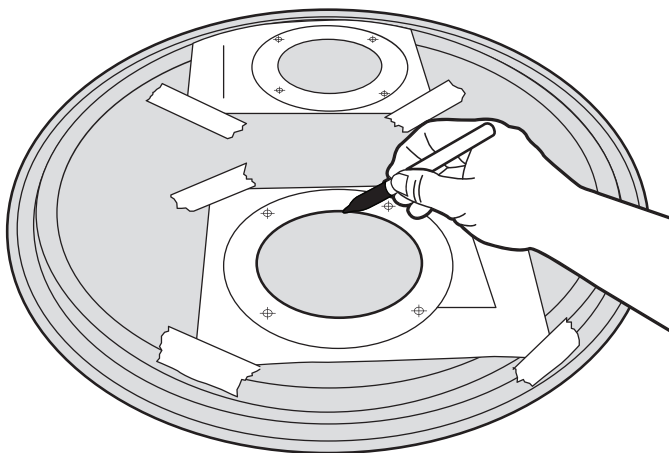
1. Cut down the center of the template to separate the two drawings and create the two needed templates. **DO NOT** cut into the drawings, both halves are needed to complete the installation.
2. Following the dotted line, cut out the inner circle in each drawing.

Figure 1



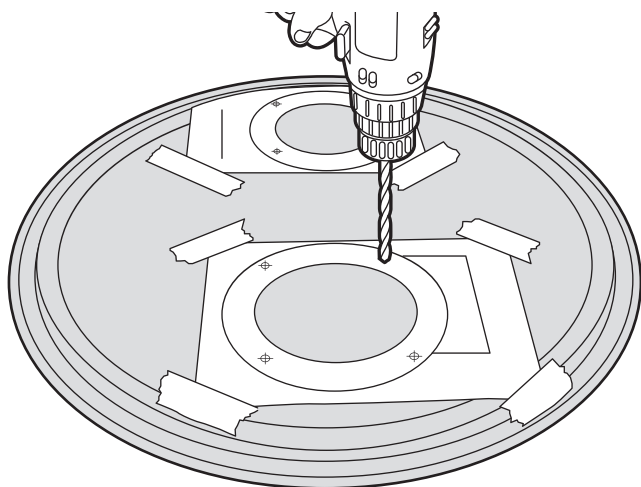
3. Place the templates onto the top of the barrel/ container lid.
  - The in-feed and out-feed ports are marked on the template, make sure these are facing in opposite directions.
  - Make sure there is a 2" space between the edge of the lid and the template drawing. See Figure 4.
  - Tape the two templates to the top of the barrel/container lid and trace the inner circle with a marker onto the lid.
4. Mark the direction of the in-feed and out-feed on to the barrel/container lid with an arrow.

**Figure 2**



5. Leave the templates in place and drill the four holes in each template. Remove the templates.

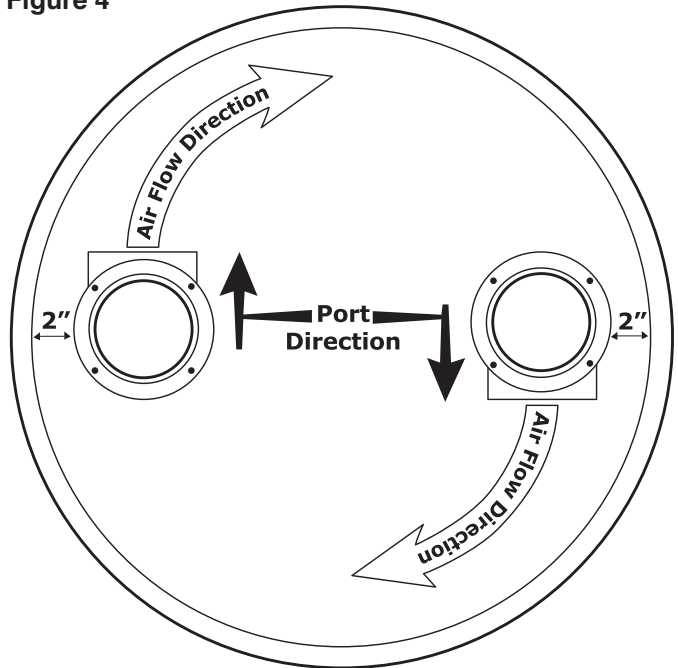
**Figure 3**



6. Use a jigsaw or suitable cutting tool to cut the holes in the barrel/container lid. **NOTE:** Drilling a pilot hole may help create a better starting point.

7. Secure the 4" ports and in-feed/out-feed elbows to the barrel/container lid.
  - The ports are installed to the top of the lid and the elbows to the bottom so they will be on the inside of the barrel/container.
  - Make sure the in-feed/out-feed elbows are facing the opposite directions, as shown in Figures 4 and 5.
  - There are two sets of hardware supplies, use the correct hardware for the barrel/container lid. The longer bolts and nuts are for thick lids and the shorter bolts and nuts are for thin lids.

**Figure 4**



8. Place the lid onto the barrel or container and attach and secure the dust collection hoses and hook-ups to the dust collections system and machine being used.

**NOTE:** When the dust collection system is turned on the debris is pulled into the barrel/container and separated, the heavier wood chips fall to the bottom and the lighter dust particles are pulled into the dust collection system as shown in Figure 5.

**Figure 5**

