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

The Cyclone Dust Collection System turns a shop vacuum into a 2-stage cyclone separator. The Cyclone Dust Collection System causes a vortex action inside the bucket to collect debris before it enters the vacuum, this helps prevent the loss of suction power.

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/vacuum 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.

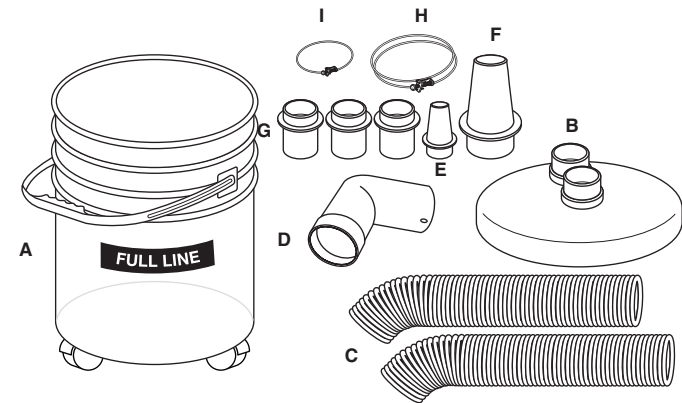
IMPORTANT: To prevent static build-up, make sure the hose is grounding. Always ensure the dust collection network is properly grounded. If in doubt, contact an electrician.

SAVE ALL WARNINGS AND INSTRUCTIONS FOR FUTURE REFERENCE

UNPACKING

Packaging Contents

Refer to Figure 1
Figure 1



	DESCRIPTION	QTY
A	6 Gallon plastic bucket with four assembled casters	1
B	12" two stage cyclone separator lid	1
C	2-1/2" ID Polypropylene Hose – the hoses collapse and expand from 10"–38-3/4"	2
D	2-1/2" Elbow	1
E	Nominal 2-1/4" to 1-1/2" Reducer	1
F	Nominal 4" to 2-1/4" Reducer	1
G	Nominal 2-1/4" to 2-1/2" Quick Coupler (the 2-1/2" ends have left hand screw threads and screw into provided hoses	3
H	4-1/4" Hose Clamp	1
I	2-3/4" Hose Clamp	1
	Instruction Sheet (not shown)	1

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

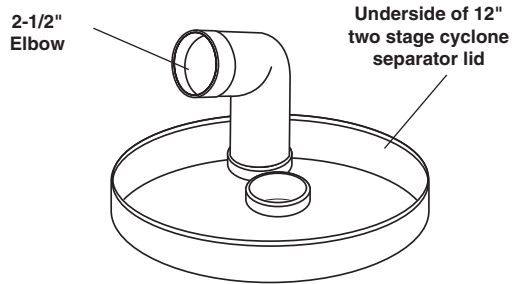
NOTE: After unit is assembled dispose of all packaging material in an environmentally safe way.

INSTALLATION

Refer to Figure 2 to 8

1. Place the bucket lid upside down and attach the elbow to one of the holes in the lid. Make sure the elbow is oriented as shown in Figure 1 and does not face the other hole.

Figure 2



2. Place the lid onto the plastic bucket.

Figure 3

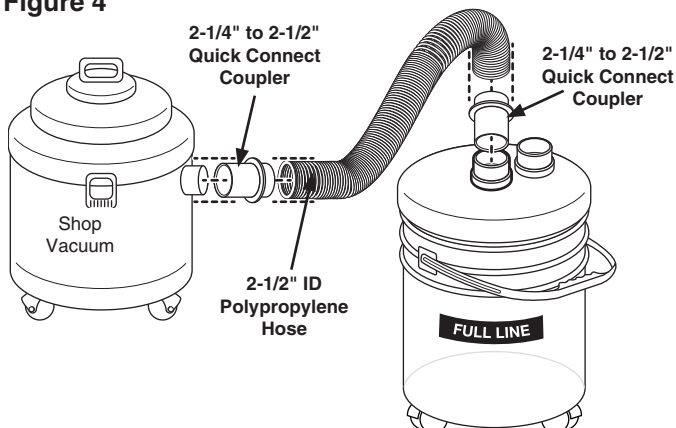


3. Connect the system to a shop vacuum or dust collector. The shop vacuum or dust collector **MUST** be connected to the dust port **WITHOUT** the elbow.

- a. Connect to a shop vacuum with a 2-1/4" ID port:

- Thread a quick connect coupler onto one of the 2-1/2" ID polypropylene hoses. **IMPORTANT: When connecting the hose to the quick connect coupler, the end of the hose MUST be extended in order to thread into the left handed threads of the coupler.**
- Connect the coupler to the dust port on the lid without the elbow.
- Thread a second quick connect coupler into the other end of the polypropylene hose and connect the 2-1/4" OD end into the shop vacuum port.

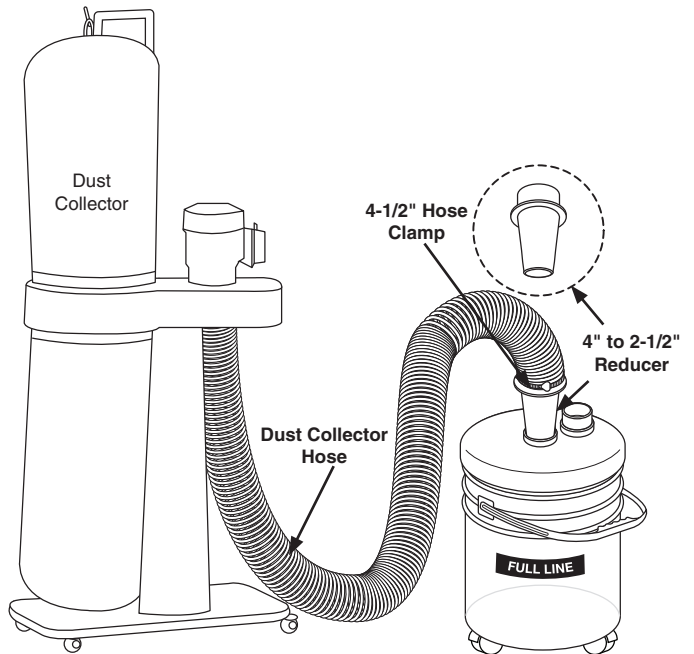
Figure 4



- b. Connect to a dust collector:

- Connect the 4" to 2-1/2" reducer to a dust collector hose with the 4-1/4" hose clamp.
- Connect the 4" to 2-1/2" reducer to the dust port on the lid without the elbow.

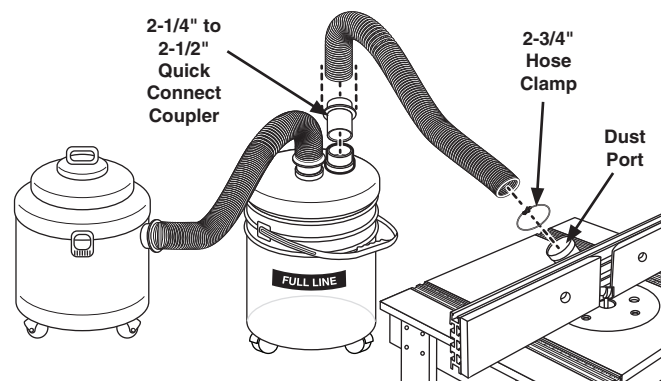
Figure 5



The kit comes with a variety of components that can be configured to perform several types of connections. Make these connections after the Cyclone Dust Collection System is connected to the shop vacuum or dust collector. Here are some examples.

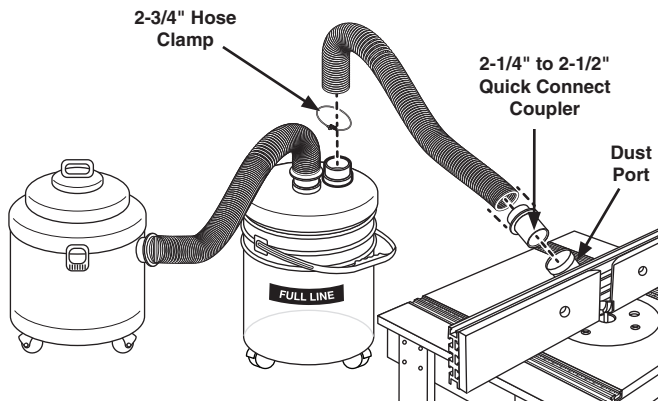
- **Connect to 2-1/2" OD port** – Connect one end of a 2-1/2" ID polypropylene hose directly to a 2-1/2" OD machine port and secure with the 2-3/4" hose clamp. Using a quick change coupler, connect the other end of the hose directly to the Cyclone dust port.

Figure 6



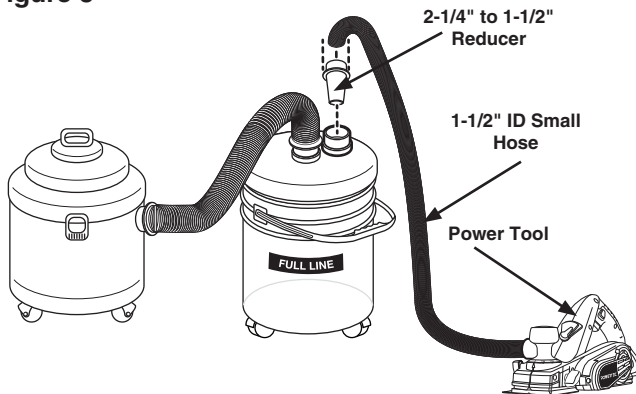
- **Connect to 2-1/4" ID tool port** - Connect one end of a 2-1/2" ID polypropylene hose directly to the Cyclone dust port and secure with the 2-3/4" hose clamp. Using a quick change coupler, connect the other end of the hose directly to the 2-1/4" ID machine port.

Figure 7



- **Connect to small tool dust port** – Use the 2-1/4" end of the 2-1/4" to 1-1/2" adapter to connect directly to the Cyclone dust port and the 1-1/2" OD end to the 1-1/2" ID end of a small hose kit, similar to Powertec 70175.

Figure 8



NOTE: The 2-1/2" ID polypropylene hose can also be connected directly to either port of the Cyclone Dust Collection System by using the 2-3/4" hose clamp.

NOTE: Empty the bucket when the debris reaches the **FULL LINE** for maximum performance. See Figure 3.

- **Adjust the casters** – The casters are attached to the bottom of the bucket with M12 nuts and can be adjusted to match the work surface .
 - Use a M12 wrench to loosen the nut on the bottom of the bucket.
 - Move the nut up or down to the proper height.
 - Hold the M12 nut on the inside of the bucket while tightening the M12 nut on the bottom of the bucket.
 - Repeat on the other casters if needed.

