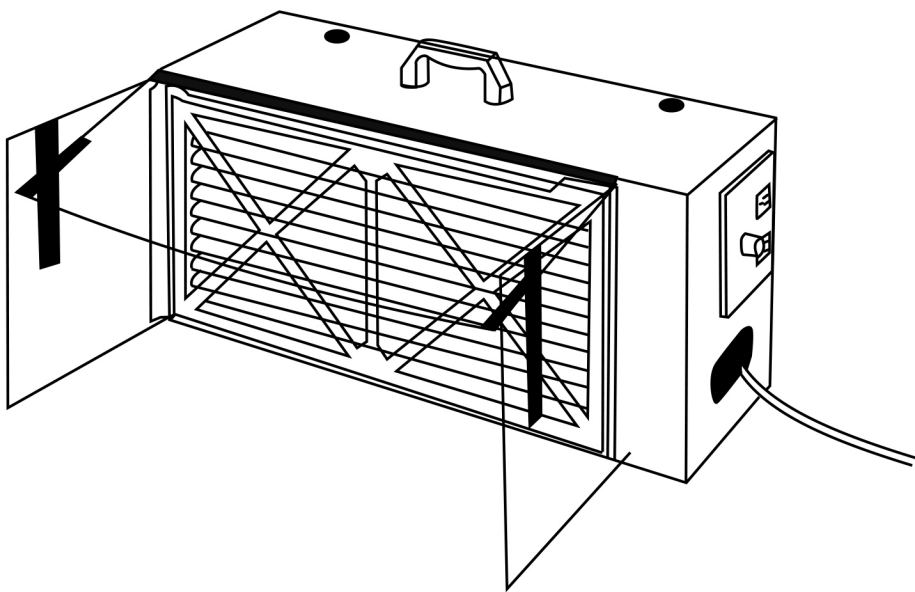




OWNER'S OPERATING MANUAL



MODEL# DC1700

**PORTABLE
AIR FILTRATION UNIT**



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MODEL# DC1700

**PORTABLE
AIR FILTRATION UNIT**

WARRANTY & PRODUCT SUPPORT

Congratulations on your purchase of the Portable Air Filtration Unit. This Air Filtration Unit is ideal for use with power carvers and mini-lathes. The lightweight, low profile unit is a self-contained dust collection system. All fans and filters are integrated into a compact portable cabinet. Dust is drawn by three quiet computer grade, maintenance free fans. Dust is then captured by an efficient filter at 720CFM.

FEATURES

- Portable, self-contained dust collection unit
- Motors: 3; 110V, 1.3 Amps total
- Convenient carrying handle
- Filter removes for easy cleaning
- 2 Grounded 110V auxiliary outlets for tools
- Clear plastic doors with adjustable hood
- Variable speed fan control

FILTERS

- Standard: #DC1700F Pleated 2" x 10" x 20"
- Optional: #DC1700FW Electrostatic 2" x 10"x 20" (reusable)

WARRANTY

This product is warrantied against defects in materials and workmanship for a period of 90 days from the date of purchase. The warranty applies to the original purchaser of the product and is limited to the repair or replacement of the product or its parts at our discretion. Excluded are parts which have been misused, abused, altered, or consumed by normal operation of the product. Also excluded are direct and consequential damages to persons, property, or materials. Your invoice serves as proof of purchase and must be referenced to authorize warranty repairs.

PRODUCT SUPPORT

If you are having problems with your Air Filtration Unit, feel free to call us during normal business hours. Have your invoice number handy to expedite processing any warranty parts ordered.

SAFETY RULES

Some dust created by power sanding, sawing, grinding, drilling and other construction activities contain chemicals known to cause cancer, birth defects or other reproductive harm. Some examples of these chemicals are:

- Lead from lead based paint.
- Crystalline silica from bricks, cement and other masonry products.
- Arsenic and chromium from chemically treated lumber.

Your risk of exposure varies, depending on how often you do this type of work. To reduce your exposure to these chemicals, work in a well-ventilated area and work with approved safety equipment, such as face or dust masks that are specifically designed to filter out microscopic particles.

WARNING: To reduce the risk of fire, electric shock or injury: Read and understand this owner's manual and all labels on the DC1700 before operating. Use only as described in this manual. To avoid personal injury or damage to the DC1700, use only recommended accessories. Sparks inside the electric parts can ignite flammable vapors or dust.

Some parts of this product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. None of these products are to come in contact with food and drinking water. Please wash your hands with soap and water after touching these products.

TO AVOID FIRE OR EXPLOSION.

- Do not use this near flammable or combustible liquids, gases, gasoline or other fuels, lighter fluid, cleaners, oil based paints, natural gas, hydrogen, or explosive dusts like coal dust, magnesium dust, grain dust, or gun powder.
- Do not use near anything that is burning or smoking, such as cigarettes, matches, or hot ashes.
- To avoid health hazards from vapors or dust, do not use near toxic materials.
- Do not use on wet surfaces.
- Put unit on a stable, level surface.
- Do not allow to be used as a toy. Close attention is necessary when used by or near children.
- To avoid injury from accidental starting, unplug the power cord before changing or cleaning the filter.
- Do not use without the filter in place.
- Do not put any object into the ventilation openings.
- Keep hair, loose clothing, fingers, and all parts out of body away from openings and moving parts.
- Do not unplug by pulling the cord. To unplug, grasp the plug, not the cord.
- Turn off the controls before unplugging.
- Do not use with damaged cord, plug or other parts. If your DC1700 is not working as it should, has missing parts, has been dropped, damaged, left outdoors, or dropped into the water, return it to an authorized service center.
- Do not pull or carry by the cord, use cord as a handle, close door on cord, or pull cord around sharp edges or corners.
- Do not handle plug of the DC1700 with wet hands.
- Extension cords in poor condition or that are too small can pose fire and shock hazards. When using an extension cord, be sure that it is in good condition. See "Extension Cords" in the "Operations" section for the proper wire sizes.
- Do not leave appliances plugged in. Unplug from outlet when not in use and before servicing.
- Connect to properly, grounded outlet only (see "Grounding away from openings and moving parts. Instructions" on page 6)

The portable DC1700 is specially designed to collect dust at the source of its creation. Adjusting the plastic doors allows woodworker to "funnel" the dust into the air filter, thus reducing the amount of dust escaping into the air.

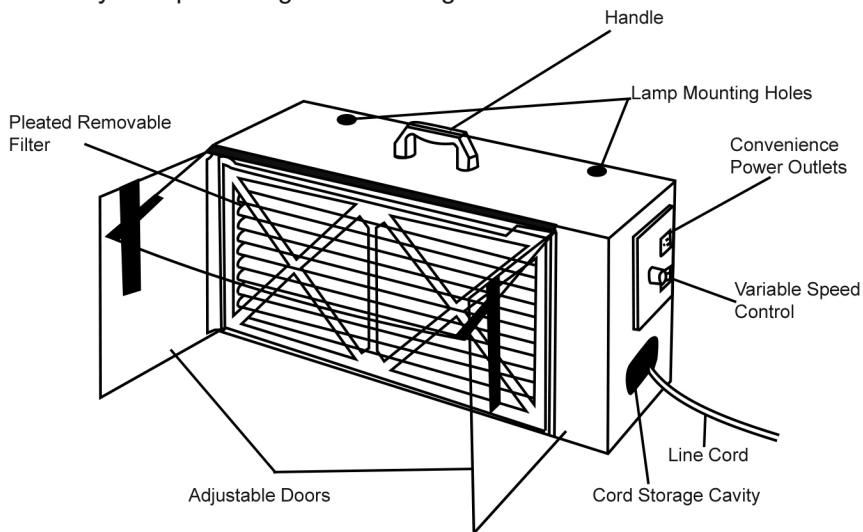
SOME TYPICAL APPLICATIONS INCLUDE

Woodcarving with both power and manual carving equipment.

Sanding manually or with portable sanding machines.

Turning: Designed to be positioned behind most mini lathes.

Adjacent to any dust producing woodworking tool.



ASSEMBLY

DOOR: Set up three (3) doors as shown in photo above. Use the hook and loop fasteners to secure the clear cabinet. For better suction the top door may be set at a downwards angle.

CORK: There are four pieces of sticky glue backed cork enclosed. Part #35 & 36 are supplied to take up any possible space existing between filter and chassis. Place cork piece underneath the filter the short one to the side of the filter if needed.

Part #37 (2 pieces) should be glued on the ends of the bottom of the cabinet to absorb vibration and avoid scratching the table surface.

NOTE: Use the extra 110-volt outlets for your accessories. You can conveniently mount your lamp or tool holder in the mounting holes provided in the top of the cabinet.

CARE & MAINTENANCE: The fan motors are sealed and maintenance free. Clean the filter by gently tapping the dust. Replace the filter periodically for top performance. Keep the hook and loop door hinges free from dust.

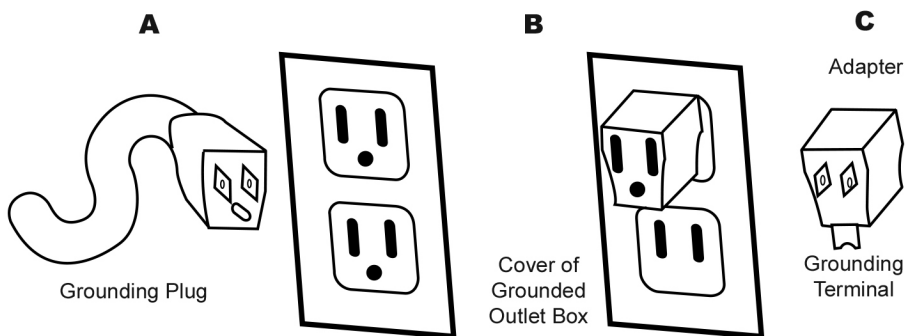
CAUTION: Do Not use this air filter to collect overspray of volatile.

GROUNDING

This machine is intended for use on a circuit that has an outlet like the one in the illustration (A). The machine has a grounding plug that looks like the plug in illustration (A). A temporary adapter, which looks like the adapter in illustration (B) and (C), may be used to connect the plug to a one pole receptacle, as shown in illustration (B), if a properly grounded outlet is not available. The temporary adapter should be used until a properly grounded outlet can be installed by a qualified electrician. The three colored rigid ear plug extending from the adapter must be connected to a permanent ground such as a properly grounded outlet box.

NOTE: the type of electrical plug and receptacle differs from country to country.

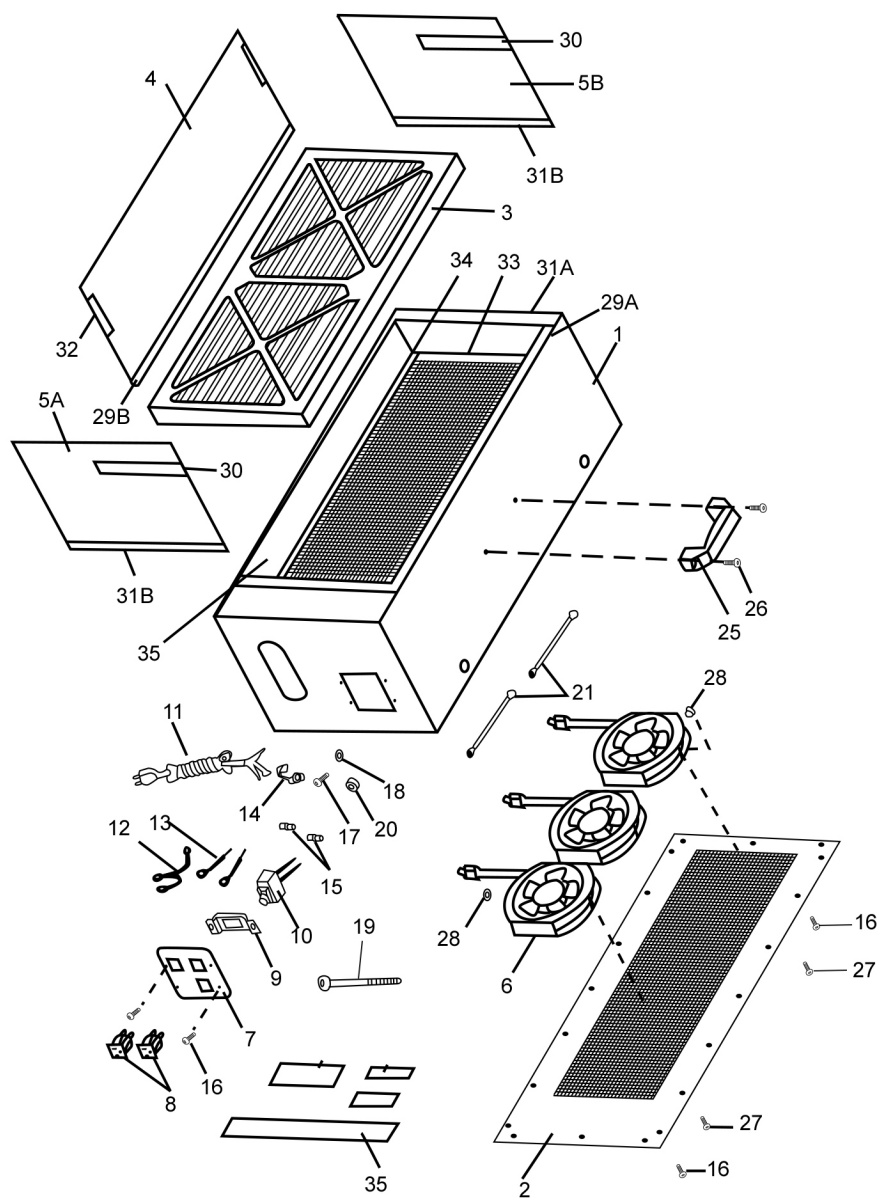
CAUTION: In Canada, only the grounding shown in figure (A) is acceptable. The extension cord should be a CSA / UL certified, SJT type or better.



TROUBLE SHOOTING

PROBLEM	PROBABLE CAUSE	REMEDY SUGGESTED
Motor will not run.	1. Defective cord, plug switch and/or motor. 2. Blown fuse.	1. Consult service center. Any attempt to repair this motor may create a hazard unless repair is done by a qualified service technician. 2. Check for blown fuses and replace with fuse of proper capacity.
Excessive sawdust in air.	1. Loose connectors. 2. Clean filter element.	1. Tighten connectors. 2. Replace or clean filter element.
Excessive impeller noise.	1. Picked up large wood chips or debris. 2. Loose or rubbing impeller.	1a. Do not pick up metal or ferrous materials. Stop the machine and the material will fall to the bottom of the inlet tube. Remove debris. 2. Unplug unit prior to disassembly. Hazardous moving parts inside. Attach inlet guard before plugging in. Use a piece of wood to free impeller. Consult Service Center to repair loose or rubbing impeller. A repair to the housing may create a hazard unless it is done by a qualified service technician.
Excessive noise.	1. Motor	1. Have motor checked by qualified service technician.
Motor fails to develop full power.	1. Circuit overloaded with lights, appliances and other motors. 2. Undersize extension cord or extension cord too long. 3. General overloading of power company facilities. 4. Winding burned. 5. Capacitor burnt.	1. Do not use other appliances or motors on same circuit when using the system. 2. Increase the wire sizes on extension cords, or reduce the length of extension cords. 3. Request a power check from your power company. 4. Have motor and or capacitor repaired or replaced.
Motor starts slowly or fails to come to full speed.	1. Low voltage. 2. Winding burned out or open. 3. Capacitor burnt.	1. Request voltage check from your power company. 2. Have motor or capacitor repaired or replaced by a qualified service technician.
Starting switch will not operate.	1. If switch contacts are working properly, then capacitor is bad.	1. Have capacitor replace by a qualified service technician.

PARTS DIAGRAM



PARTS LIST

S.No.	Description	Qty.		S.No.	Description	Qty.
1	Main Housing	1		19	Cable Wrap	4
2	Motor Plate	1		20	Collar	1
	Mounting			21	Grounding Wire	3
3	Filter	1		25	Handle	1
4	Upper Adjustable	1		26	Slotted Head Screw	2
	Door			27	Hex Head Screw	6
5A	Side Adjustable	1		28	Nut	6
	Door Right			29A	Hook Fastener	1
5B	Side Adjustable	1			Strip Chassis	
	Door Left			29B	Loop Fastener Strip	1
6	Motor / Fan	3			Door Top Chassis	
7	Switch Plate	2		30	Loop Fastener Strip	2
8	Grounded Socket	2			Side Door	
9	Mounting Plate	1		31A	Hook Fastener	2
10	Electric Speed	1			Strip Chassis	
	Controller			31B	Hook Fastener	2
11	Power Cord	1			Strip Side poor	
12	Grounding Wire	1		32	Hook Fastener Strip	1
13	Connecting Wire	2			Top Door	1
14	Strain Relief	1		33	Bottom Cork	1
15	Connector	3			Filter Spacer	1
16	Hex Socket	24		34	Side Cork	1
	Head Screw				Filter Spacer	1
17	Hex Socket	1		35	Bottom Of Cabinet	2
	Head Screw			33,34	Cork Kit All Pieces	
18	Washer	1		& 35		