

Landis Fume Buster Space Saver

(SKU: FB19)



Operator Manual

Manufactured by



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INTRODUCTION

The Landis Space Saver Fume Buster is a compact, durable machine designed to remove toxic airborne chemicals and odors from your work environment. It will deliver efficient, dependable service when used correctly and with care. As with any pieces of specialized equipment, for best performance the manufacturer's instructions must be followed.



BEFORE USING THE LANDIS FUME BUSTER, BE AWARE OF THE FOLLOWING SAFETY RULES:

WARNING: For your own safety, read operating instructions manual before operating tool.

BE AWARE BEFORE INSTALLATION

- Do not operate any fan with a damaged cord or plug. Discard fan or return to authorized service facility for examination and/or repair.
- Do not run cord under carpeting. Do not cover cord with throw rugs, runners, or similar coverings. Do not route cord under furnitures or appliances. Arrange cord away from traffic area and where it will not be tripped over.
- This machine is not designed to filter metallic, non metallic dust, paint or dyes, only air.

WARNING: All electrical work must be performed by a qualified electrician and must conform to all state and local ordinances.

BE PREPARED FOR JOB

- Wear proper apparel. Do not wear loose clothing, gloves, neckties, ring, bracelets or other jewelry which may get caught in moving parts of machine.
- Wear protective hair covering to contain long hair.
- Wear safety shoes with non-slip soles.
- Wear safety glasses. Everyday glasses have only impact resistant lenses. They are NOT safety glasses.
- Wear face mask or dust mask if operation is dusty.
- Be alert and think clearly. Never operate power tools when tired, intoxicated or with medication that cause drowsiness.

PREPARE WORK AREA FOR JOB

- Keep work area clean. Cluttered work areas and work benches invite accidents.
- Do not use power tools in dangerous environments. Do not use power tools in damp or wet locations. Do not expose power tools to rain.
- Work area should be properly lighted.
- Proper electrical plug should be plugged directly into properly grounded, three-prong receptacle.
- Keep visitors at safe distance from work area.
- Keep children out of the workplace. Make workshop childproof.

TOOL SHOULD BE MAINTAINED

- Always unplug tool prior to inspection.
- Consult manual for specific maintaining and adjusting procedures.
- Keep tool clean for safest operation.
- Remove adjusting tools. Form habit of checking to see that adjusting tools are removed before turning machine on.
- Keep all parts in working order. Check to determine that the guard or other parts will operate properly and perform their intended function.
- Check for damaged parts. Check for alignment of moving parts, binding of moving parts, breakage of parts, mounting and any other condition that may affect a tool's operation.
- A guard or other part that is damaged should be properly repaired or replaced. Do not perform makeshift repairs. (Use the parts list to order replacement parts.)
- Do not move the fume buster by pulling the power cord.

DESCRIPTION

The Landis Fume Buster is specifically designed to remove toxic air born chemicals and odors from your work environment. Two configurations are available: vented or filtered with activated charcoal.

UNPACKING

Check for shipping damage. If damage has occurred, a claim must be filed with the carrier immediately. Check for completeness. Immediately report missing parts to dealer.

SPECIFICATIONS

Horsepower	0.75
Voltage	115
Amperes	3.8
Hertz	60
Phase	Single
RPM	1625/1175

OPERATING THE LANDIS FUME BUSTER

WARNING: Eye protection should always be worn by the operator and others in the work area.

INSTALLATION

The Landis Fume Buster should be located on a flat, firm surface, in area free of obstructions that could interfere with the safe operation of the equipment. The left side of the machine should be 100 mm (4") distance from the wall.

START-UP INSTRUCTIONS

Before starting the Fume Buster, remove the charcoal filter, look inside the machine and remove all packaging around the black charcoal filter. Do not forget to take out the wooden piece. Put back the filter in place, throw away the plastic bag.

You can now safely start up the Fume Buster

The switch controls the two speed setting (High and Low). Use the High speed when working on the machine. The Low speed could be used to filter the air in the room.

REPLACEMENT OF CHARCOAL FILTERS

WARNING:

- **Disconnect the Fume Buster before servicing or changing filter**
- **When installing the new prefilter make sure that the arrows on the side are going down, floor direction.**

1. Take off the grill.

2. Take out the prefilters.



Note:

- To avoid a fast contamination of the charcoal, you should change the prefilters each month.

REPLACEMENT OF CHARCOAL

WARNING: When pouring the new charcoal inside the filter be sure to shake the housing thoroughly in order to compact the charcoal. The housing must be filled completely for maximum efficiency.

1. The charcoal is inside the black metal canister. Tilt the canister to the left. Pull it out.
2. To replace the charcoal inside the black metal container, you must open the door located on the side of the filter. There are two screws retaining this door. Remove the black door and the old charcoal.
3. Open the charcoal bag (SKU: CNS188) and install the funnel (SKU: ENTFB01). Wear gloves to avoid getting dirty.



Note: The charcoal comes in a bag of 25 lbs (CNS188). You need 12.5 lbs for 1 metal canister. Close the bag tightly for the next fill.

1. Fill out the canister with the new charcoal. Shake the canister to spread the charcoal everywhere.



2. It is very important to fill completely the canister up to the edge. You can use your fingers to push the charcoal each side of the openings. Replace the black door with the two screws.



Note: You are sure that the charcoal is well packed inside the filter when you can't see the light passing through the metal container.



Correct



Not correct

GROUNDING INSTRUCTIONS

WARNING: Improper connection of equipment grounding conductor can result in the risk of electrical shock. Equipment should be grounded while in use to protect operator from electrical shock.

- Check with a qualified electrician if grounding instructions are not understood or if in doubt as to whether the tool is properly grounded.
- This grinder is equipped with an approved 3-conductor cord rated at 115V and a 3-prong, grounding type plug (see figure 1) for your protection against shock hazards.

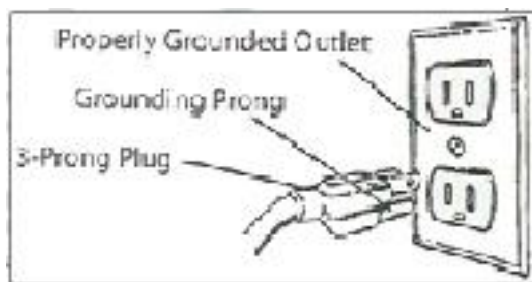


Figure 1 - 3-Prong Receptacle

- Grounding plug should be plugged directly into a properly installed and grounded 3-prong grounding-type receptacle (see figure 1).
- Do not remove or alter grounding prong in any manner. In the event of a malfunction or breakdown, grounding provides a path of least resistance for electrical shock.

WARNING: Do not permit fingers to touch the terminals of plug when installing or removing from outlet.

- Plug must be plugged into matching outlet that is properly installed and grounded in accordance with all local codes and ordinances. Do not modify plug provided. If it will not fit in outlet, have proper outlet installed by a qualified electrician.
- Inspect tool cords periodically, and, if damaged, have repaired by an authorized service facility.

- Green (or green and yellow) conductor in cord is the grounding wire. If repair or replacement of the electric cord or plug is necessary, do not connect the green (or green and yellow) wire to a live terminal.
- Where a 2-prong wall receptacle is encountered, it must be replaced with a properly grounded 3-prong receptacle installed in accordance with National Electric Code and local codes and ordinances.

WARNING: This work should be performed by a qualified electrician.

A temporary 3-prong to 2-prong grounding adapter (see figure 2) is available for connecting plugs to a two pole outlet if it is properly grounded.

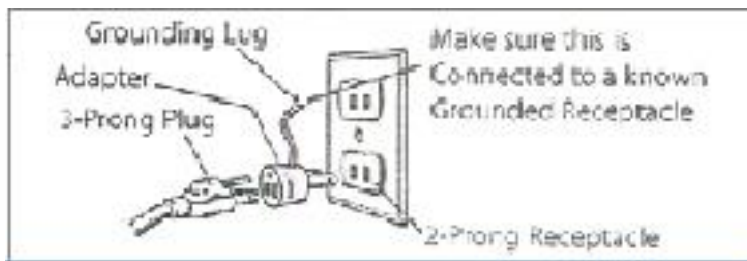


Figure 2 - 2-Prong receptacle

- A temporary 3-prong to 2-prong grounding adapter (see figure 2) is available for connecting plugs to a two pole outlet if it is properly grounded.
- Do not use a 3-prong to 2-prong grounding adapter unless permitted by local and national codes and ordinances.

(A 3-prong to 2-prong grounding adapter is not permitted in Canada.) Where permitted, the rigid green tab or terminal on the side of the adapter must be securely connected to a permanent electrical ground such as a properly grounded water pipe, a properly grounded outlet box or a properly grounded wire system.

- Many cover plate screws, water pipe and outlet boxes are not properly grounded. To ensure proper ground, grounding means must be tested by a qualified electrician.

EXTENSION CORDS

- The use of any extension cord will cause some drop in voltage and loss of power.
- Wires of the extension cord must be of sufficient size to carry the current and maintain adequate voltage.
- Running the unit on voltage which are not within $\pm 10\%$ of the specified voltage may cause overheating and motor burn-out.
- Use the table to determine the minimum wire size (A.W.G.) extension cord.
- Use only 3-wire extension cords having 3-prong grounding type plugs and 3-pole receptacles which accept the tool plug.
- If the extension cord is worn, cut or damaged in any way, replace it immediately.

EXTENSION CORDS LENGHT

Wire Size	A.W.G.
Up to 25 ft. (8 m)	16

Note: Using extension cords over 25 ft. (8 m) long is not recommended.

ELECTRICAL CONNECTIONS

WARNING: The machine electrical connections must be performed by a qualified electrician. Make sure the machine is off and disconnected from power source while motor is mounted, connected, reconnected or anytime wiring is inspected.

WARNING: If the electrical cord, plug or wiring should become frayed or damaged, replace it at once. Do not attempt to operate the machine with faulty wiring as it could result in severe injury or death.

MAINTENANCE

A properly maintained machine will give you years of satisfactory service, where as an abused machine will not. We strongly recommend that you observe the following procedures for your own benefit and safety.

WARNING: Eye protection should always be worn by the operator and others in the work area when servicing the machine.

Weekly maintenance

- Clean your Landis Fume Buster weekly.
- Look at your prefilters, it should be replaced according to the usage and the environment of your working area.

WARNING: Clogged prefilters will reduce the efficiency of your charcoal filters

Monthly maintenance

- Clean your Landis Fume Buster weekly.
- Look at your prefilters, it should be replaced according to the usage and the environment of your working area.
- Shake the charcoal filters thoroughly this will help to extend the efficiency of the charcoal.

LUBRICATION

Your Landis Fume Buster is equipped with sealed bearings throughout, which should be replaced if they ever wear out.

Other parts should not required any lubrication, only cleaning the parts is required.

Lubrication will only attract dust and would be more harmful than helpful.






MOTOR STOPS WITH SWITCH ON

1. Too many machines operating on same electrical circuit where the Fume Buster is connected. Check circuit breaker or fuse box.
2. Electric switch is broken. Change the switch.

TROUBLESHOOTING

SYMPTOM	POSSIBLE CAUSE(S)	CORRECTIVE ACTION
Fume Buster won't start	<ol style="list-style-type: none"> 1. Blown line fuse or tripped circuit breaker. 2. Low line voltage. 3. Defective switch. 4. Defective blown capacitor. 	<ol style="list-style-type: none"> 1. If fuse is blown, replace with fuse of proper size. If breaker tripped, reset it. 2. Check power supply for voltage and correct as needed. 3. Replace switch. 4. Replace capacitor.
Excessive vibration	<ol style="list-style-type: none"> 1. Dust or particles clogged on the fan. 	<ol style="list-style-type: none"> 1. Clean the fan
Motor overheating	<ol style="list-style-type: none"> 1. Motor not turning freely (without power). 2. The machine is too close to the wall 	<ol style="list-style-type: none"> 1. Clean fan. 2. Install the machine 100mm/4" distance from the wall.
Fuses are being blown or circuit breakers are being tripped	<ol style="list-style-type: none"> 1. Overloading due to binding of the fan. 2. Defective plug. 3. Defective cord. 4. Defective switch. 5. Motor wired for different line voltage. 	<ol style="list-style-type: none"> 1. Clean the fan or motor shaft is jammed (replace bearing). 2. Replace plug 3. Replace cord 4. Replace switch 5. Rewire motor as per wiring diagram
Loss of filtration	<ol style="list-style-type: none"> 1. Prefilter is clogged. 2. Blower fan may be loose on motor. 3. Charcoal filter is contaminated. 	<ol style="list-style-type: none"> 1. Change prefilter. 2. Tight the screws. 3. Change the charcoal.
Bad odor	<ol style="list-style-type: none"> 1. Charcoal filtered is contaminated 	<ol style="list-style-type: none"> 1. It is time to change the charcoal for new one.

Accessories for Landis Fume Buster Space Saver

	PART NUMBER	DESCRIPTION	QTE REQUIRED
	FB19	Fume Buster 19" Space Saver	1
	CHC	Charcoal filter	1
	CNS188	Replacement charcoal - <i>Bag of 25 pounds</i>	1
		Prefilter	1
	FB19V4	4" Conversion vented kit	<i>Optional</i>
	FB19V6	6" Conversion vented kit	<i>Optional</i>