

**Dust Extractor**  
**12 Gallon Capacity**  
Model: 63-100

**RIKON**  
**POWER TOOLS**



**Dry-Use Vacuum System**

Record the serial number and date of purchase  
in your manual for future reference.

Serial number: \_\_\_\_\_

Date of purchase: \_\_\_\_\_

For more information:

[www.rikontools.com](http://www.rikontools.com) or [info@rikontools.com](mailto:info@rikontools.com)

For Parts or Questions:

[techsupport@rikontools.com](mailto:techsupport@rikontools.com) or 877-884-5167

**Owner's Manual**






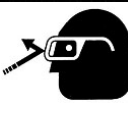


# Safety Warning

**IMPORTANT!** Safety is the single most important consideration in the operation of this equipment. **The following instructions must be followed at all times.**

There are certain applications for which this tool was designed. We strongly recommend that this tool not be modified and/or used for any other application other than that for which it was designed. If you have any questions about its application, do not use the tool until you have contacted us and we have advised you.

## General Safety Warnings

**KNOW YOUR POWER TOOL.** Read the owner's manual carefully. Learn the tool's applications, work capabilities, and its specific potential hazards.

	<p><b>⚠ DANGER</b> <b>ALWAYS GROUND ALL TOOLS.</b> If your tool is equipped with a three-pronged plug, you must plug it into a three-hole electric receptacle. If you use an adapter to accommodate a two-pronged receptacle, you must attach the adapter plug to a known ground. Never remove the third prong of the plug.</p> <p><b>ALWAYS AVOID DANGEROUS ENVIRONMENTS.</b> Never use power tools in damp or wet locations. Keep your work area well lighted and clear of clutter.</p>
	<p><b>⚠ DANGER</b> <b>ALWAYS REMOVE THE ADJUSTING KEYS AND WRENCHES FROM TOOLS AFTER USE.</b> Form the habit of checking to see that keys and adjusting wrenches are removed from the tool before turning it on.</p> <p><b>ALWAYS KEEP YOUR WORK AREA CLEAN.</b> Cluttered areas and benches invite accidents.</p>
	<p><b>⚠ DANGER</b> <b>ALWAYS KEEP VISITORS AWAY FROM RUNNING MACHINES.</b> All visitors should be kept a safe distance from the work area.</p> <p><b>ALWAYS MAKE THE WORKSHOP CHILDPROOF.</b> Childproof with padlocks, master switches, or by removing starter keys.</p>
	<p><b>⚠ DANGER</b> <b>NEVER OPERATE A TOOL WHILE UNDER THE INFLUENCE OF DRUGS, MEDICATION, OR ALCOHOL.</b></p>
	<p><b>⚠ DANGER</b> <b>ALWAYS WEAR PROPER APPAREL.</b> Never wear loose clothing or jewelry that might get caught in moving parts. Rubber-soled footwear is recommended for the best footing.</p>
	<p><b>⚠ DANGER</b> <b>ALWAYS USE SAFETY GLASSES AND WEAR HEARING PROTECTION.</b> Also use a face or dust mask if the cutting operation is dusty.</p>
	<p><b>⚠ DANGER</b> <b>NEVER OVERREACH.</b> Keep your proper footing and balance at all times.</p>
	<p><b>⚠ DANGER</b> <b>NEVER STAND ON TOOLS.</b> Serious injury could occur if the tool is tipped or if the cutting tool is accidentally</p>

**⚠ DANGER****ALWAYS DISCONNECT TOOLS.**

Disconnect tools before servicing and when changing accessories such as blades, bits, and cutters.

**ALWAYS AVOID ACCIDENTAL STARTING.**

Make sure switch is in "OFF" position before plugging in cord.

**NEVER LEAVE TOOLS RUNNING UNATTENDED.****⚠ DANGER****ALWAYS CHECK FOR DAMAGED PARTS.**

Before initial or continual use of the tool, a guard or other part that is damaged should be checked to assure that it will operate properly and perform its intended function. Check for alignment of moving parts, binding of moving parts, breakage of parts, mounting, and any other conditions that may affect its operation. A guard or other damaged parts should immediately be properly repaired or replaced.



### Special Safety Rules For Dust Collectors

1. Do not operate this machine until you have read all of the following instructions.
2. Do not attempt to operate this machine until it is completely assembled.
3. Do not turn ON this machine if any pieces are missing.
4. If you are not familiar with the operation of the machine, obtain assistance from a qualified person.
5. It is highly recommended that this machine be placed on a level surface.
6. Always wear protective eyewear prior to operating this machine.
7. Do not operate this machine if you are under the influence of drugs and/or alcohol.
8. Remove all jewelry prior to operating this machine.
9. Do not wear any gloves while operating this machine.
10. Always make sure the power switch is in the OFF position prior to plugging in the machine.
11. Always make sure the power switch is in the OFF position when doing any assembly or setup operation.
12. Always wear a dust mask when cleaning or working near a dust collector.
13. The use of any accessories or attachments not recommended may cause injury to you and damage your machine.
14. This machine must be properly grounded.
15. Always keep your face and hands clear of moving parts such as impellers and fans.
16. Keep these instructions for future reference.

### California Proposition 65 Warning

**WARNING:** Some dust created by power sanding, sawing, grinding, drilling, and other construction activities contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. Your risk from exposure to these chemicals varies, depending on how often you do this type of work. To reduce your exposure, work in a well-ventilated area and with approved safety equipment, such as dust masks that are specially designed to filter out microscopic particles.

For more detailed information about California Proposition 65 log onto [rikontools.com](http://rikontools.com).

**SAVE THESE INSTRUCTIONS.**  
**Refer to them often.**

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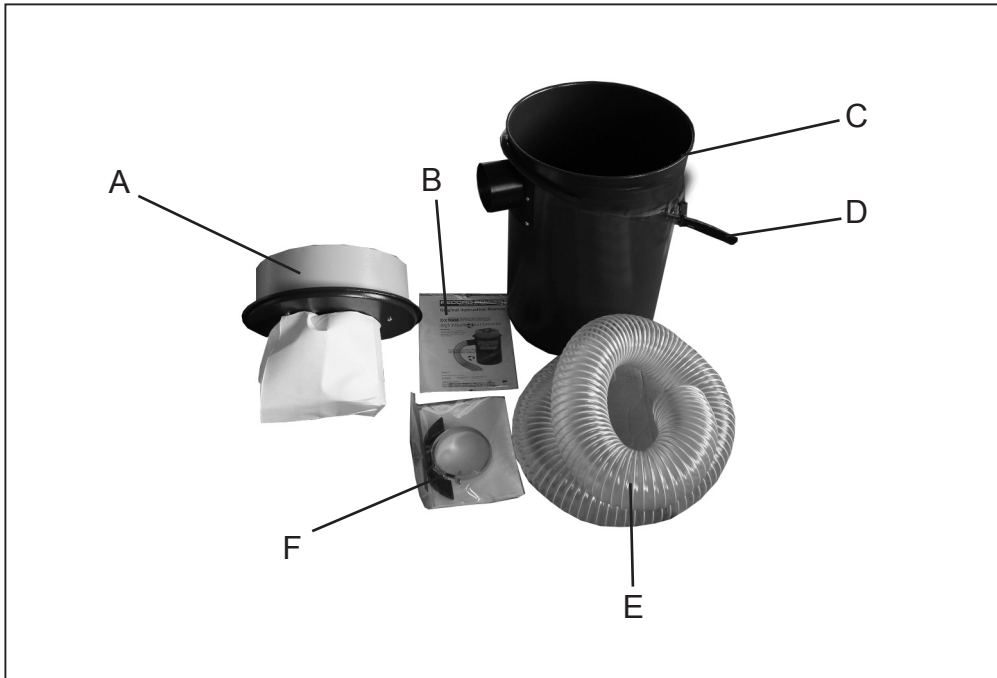
## Specifications

Model Number	63-100
Air Flow (CFM)	106CFM
Motor	1000W / 1.35HP
Filtration (Micron)	0.5µm
Cannister Size	12Gal
Hose Inlet	4"
Sound Level (dB)	<95 dB
Net Weight	22lbs

## Contents of Package

### Unpacking and Checking Contents

Unpack your dust extractor from its carton and check to see that you have all of the following items. Do not turn your machine ON if any of these items are missing. You may cause injury to yourself or damage to your machine.



- A Motor assembly
- B Manual
- C Body
- D Band-strap Clamp
- E Dust hose
- F Spare parts bag

## Getting to Know Your Dust Extractor



Item	Description	Item	Description
1	Motor switch	4	Dust hose
2	Motor cover	5	Dust inlet
3	Body	6	Band-strap Clamp

## Assembly

The machine must not be plugged in and the power switch must be in the OFF position until assembly is complete.

### Tools Required for Assembly

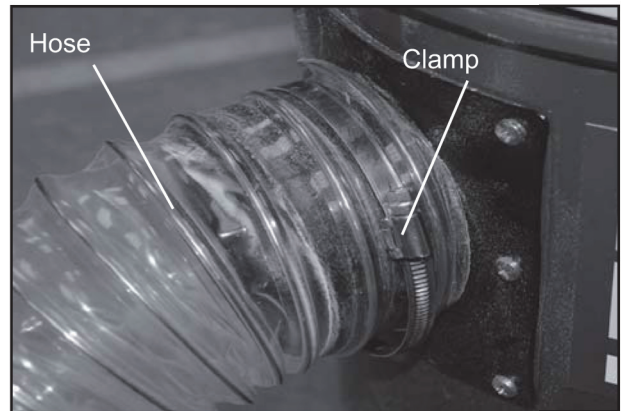
Item	Description
	Slotted Screwdriver

### Unpacking and Clean-up

1. Carefully finish removing all contents from shipping carton. Compare contents of the shipping carton with the list of contents above. Place parts on a protected surface.
2. Report any shipping damage to your local distributor.
3. Clean all rust protected surfaces. **Do not use**; gasoline, paint thinner, mineral spirits, etc. These may damage painted surfaces.
4. Set packing material and shipping carton to the side. **Do not discard** until machine has been set up and is running properly.

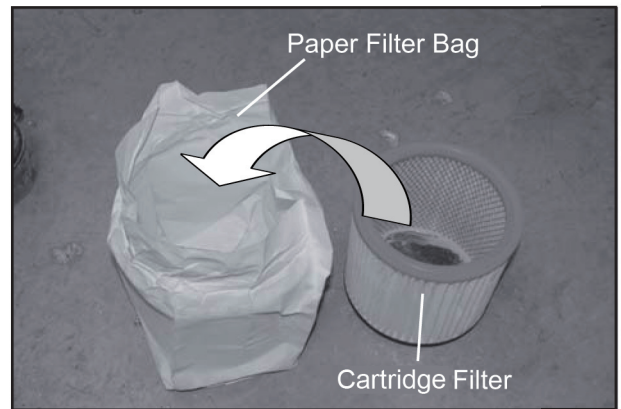
## Assembly

1. Attach one end of the flexible hose to the machine inlet and secure with the clamp supplied. (Fig.01)



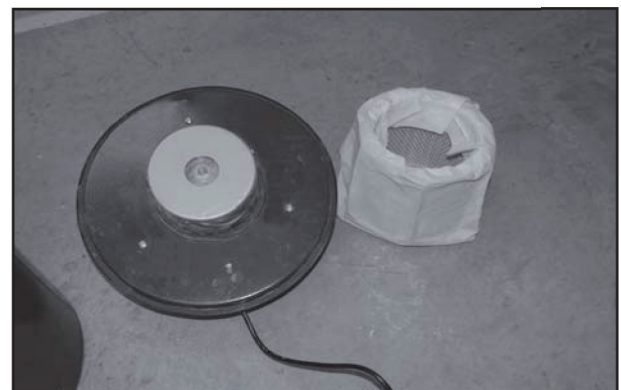
**Fig.01**

2. Place the cartridge filter with open end uppermost inside paper filter bag. (Fig.02)



**Fig.02**

3. Fold the top edges of the paper bag down inside the cartridge. (Fig.03)



**Fig.03**



## Assembly

4. Push the filter assembly onto the motor body making sure that it is secure. (Fig.04)

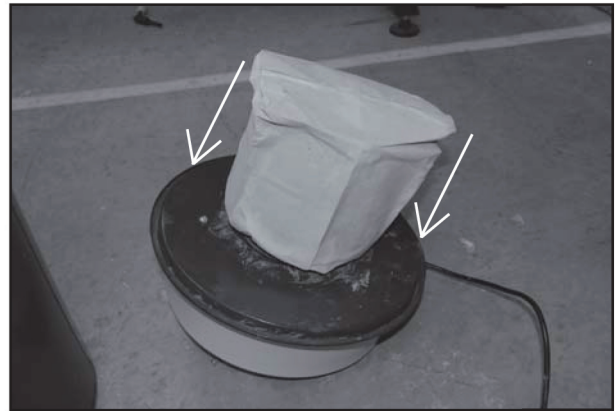


Fig.04

5. Lift and install the lid and filter assembly on top of the canister body. Secure with band-strap clamp. (Fig.05)



Fig.05

### IMPORTANT TIPS ON USE:

- The 63-100 Dust Extractor is a dry-use only vacuum system. Not to be used for water clean-up. Use beyond its intended purpose could cause failure or injury and will void any written or implied warranty.
- Always ensure that the end of the 4" diameter flexible hose is not completely covered or blocked or the machine may be 'pulled' suddenly towards the end of the hose.
- Completely covering or blocking the end of the 4" diameter flexible hose will restrict airflow to the motor may result in overheating and damage to the motor. In addition, the increased pressure may cause damage to the canister body.
- The 4" diameter flexible hose is intended mainly for connection to woodworking machinery to collect sawdust and shavings.
- If the 4" diameter flexible hose is used for cleaning, make sure that the opening is held at an angle to the surface to be cleaned. Do not allow the hose to get stuck to the surface that is being cleaned. Restricted airflow to the motor may result in overheating and damage to the motor. In addition, the increased pressure may cause damage to



## Maintenance

**WARNING:** Before any type of maintenance is carried out, it is important that the machine is switched off and disconnected from the power supply.

### Inspecting the Filters

The filters should be inspected every time the unit is emptied and particularly if any reduction in performance is noted. The paper filter traps fine dust, and to prevent becoming clogged should be renewed regularly. The cartridge filter should be cleaned at the same time, and should be renewed annually or if showing signs of damage or wear.

### Changing the Filters

1. Remove the the lid and filter assembly and lay on a flat surface.
2. Slide the paper bag filter and cartridge filter off of the motor assembly as one unit. (Fig.06)

**NOTE:** Care should be taken when handling soiled or contaminated filter bags and cartridges. As certain fine dusts can be harmful. Always wear a suitable mask for additional protection.

3. Remove the paper bag from around the cartridge filter and dispose. (Fig.07)
4. The cartridge filter can be carefully cleaned with a vacuum cleaner, or replaced if needed.
5. To replace the filters, follow steps in Fig-02 thru Fig-05.

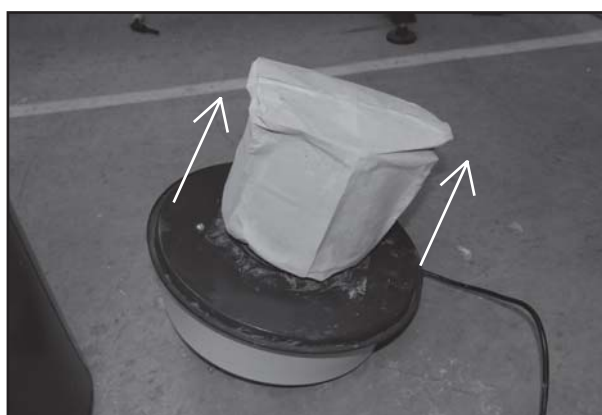


Fig.06

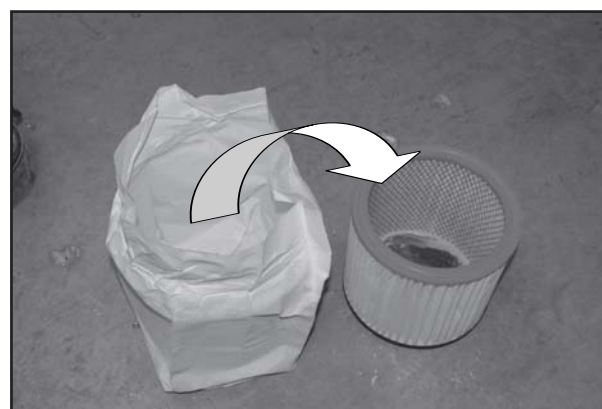


Fig.07

## Maintenance

### Replacing Motor Brushes

The motor carbon brushes should not need replacing for at least 2000 hours. These are contained within the horizontal housings on top of the motor.

1. Before installing new carbon brushes, first ensure the machine is switched off and disconnected from the power supply.
2. Remove the lid cover from the head of the machine by unscrewing the three Phillips-head screws holding it in place. Slide lid cover off to gain access to the inside of the motor. (Fig.08)
3. Locate the area on the motor where the carbon brushes are located. (Fig.09)
4. Remove the brush carrier from the motor by unscrewing the two Phillips-head screws as shown. (Fig.10)
5. Push in the locating tab, remove the spade terminal connector and slide the brush housing out of the carrier. (Fig.11)
6. Slide the new brush housing into the carrier until the locating tab locks in place. (Fig.12)

**NOTE:** When replacing motor brushes, take care not to allow dust, oil, water etc. to get into the motor.



Fig.08

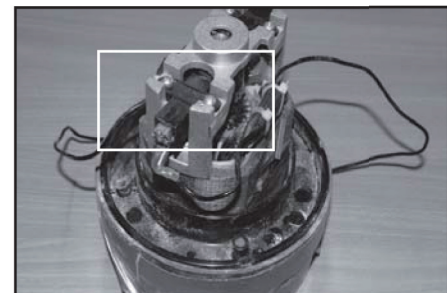


Fig.09

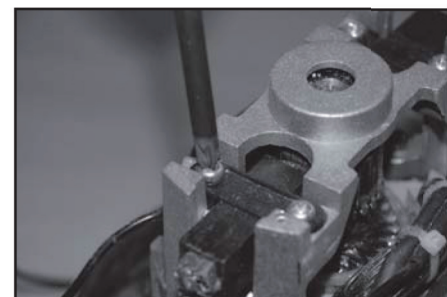


Fig.10

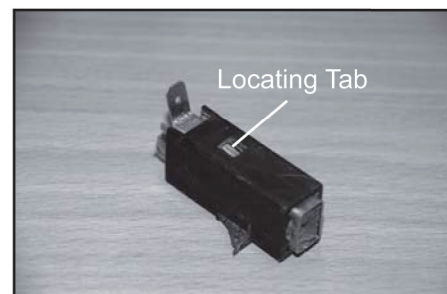


Fig.11

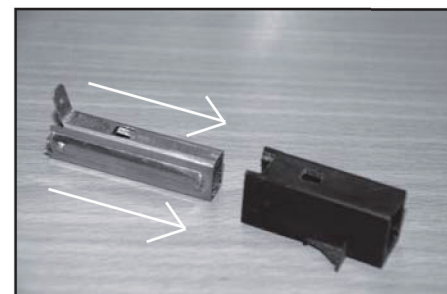


Fig.12

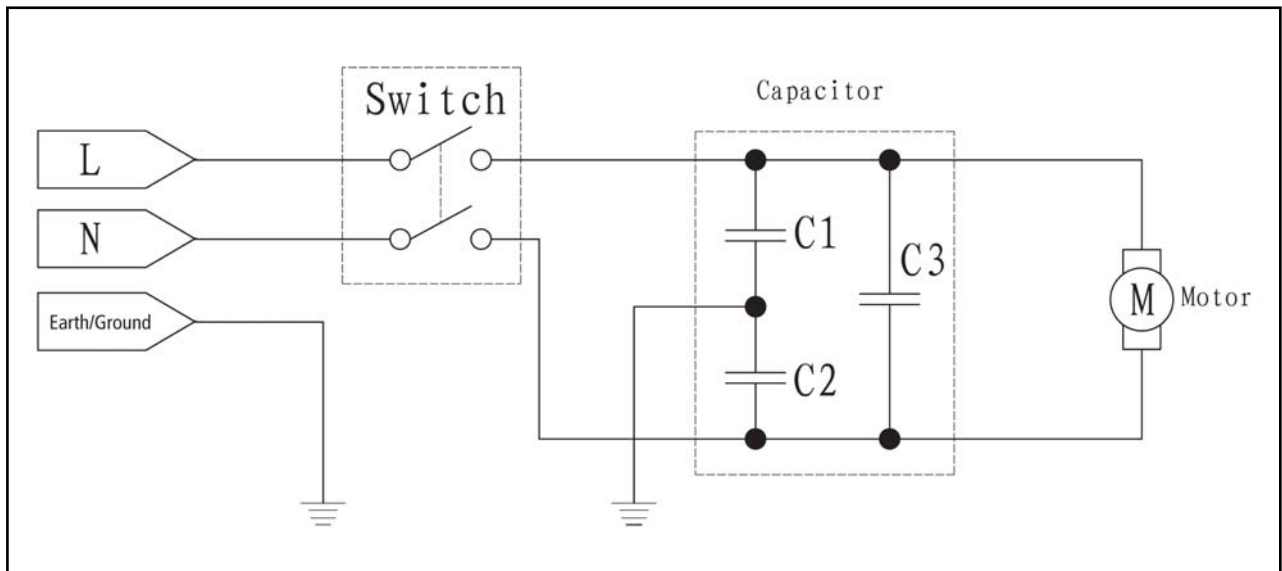
## Notes

Use this section to record maintenance, service and any calls to Technical Support:

## Wiring Diagram

**WARNING:** This machine must be grounded.

Replacement of the power supply cable should only be done by a qualified electrician.



## Electrical Requirements

In the event of a malfunction or breakdown, grounding provides a path of least resistance for electric current to reduce the risk of electric shock. This tool is equipped with an electric cord having an equipment-grounding conductor and a grounding plug. The plug must be plugged into a matching outlet that is properly installed and grounded in accordance with all local codes and ordinances.

Do not modify the plug provided. If it will not fit the outlet, have the proper outlet installed by a qualified electrician.

Improper connection of the equipment-grounding conductor can result in a risk of electric shock. The conductor, with insulation having an outer surface that is green with or without yellow stripes, is the equipment-grounding conductor. If repair or replacement of the electric cord or plug is necessary, do not connect the equipment-grounding conductor to a live terminal.

Check with a qualified electrician or service personnel if the grounding instructions are not completely understood, or if in doubt as to whether the tool is properly grounded.

Use only three wire extension cords that have three-prong grounding plugs and three-pole receptacles that accept the tool's plug.\*

Repair or replace a damaged or worn cord immediately.

This tool is intended for use on a circuit that has an outlet that looks the one illustrated in Figure A below. The tool has a grounding plug that looks like the grounding plug as illustrated in Figure A below. A temporary adapter, which looks like the adapter as illustrated in Figure B below, may be used to connect this plug to a two-pole receptacle, as shown in Figure B if a properly grounded outlet is not available.\*\* The temporary adapter should only be used until a properly grounded outlet can be installed by a qualified electrician. The green colored rigid ear or tab, extending from the adapter, must be connected to a permanent ground such as a properly grounded outlet box.

\* Canadian electrical codes require extension cords to be certified SJT type or better.

\*\* Use of an adapter in Canada is not acceptable.

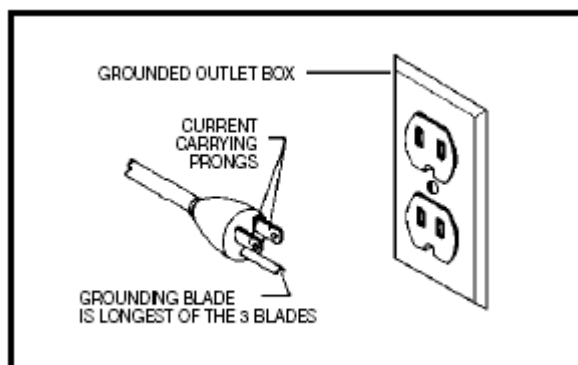


Fig. A

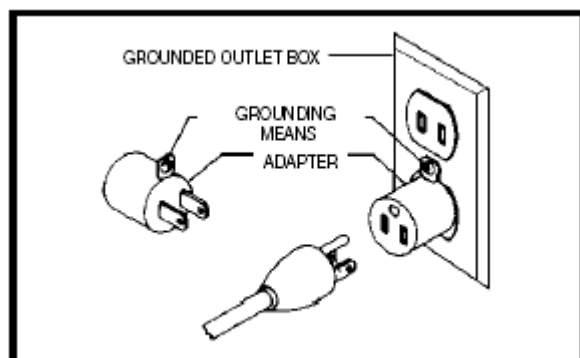
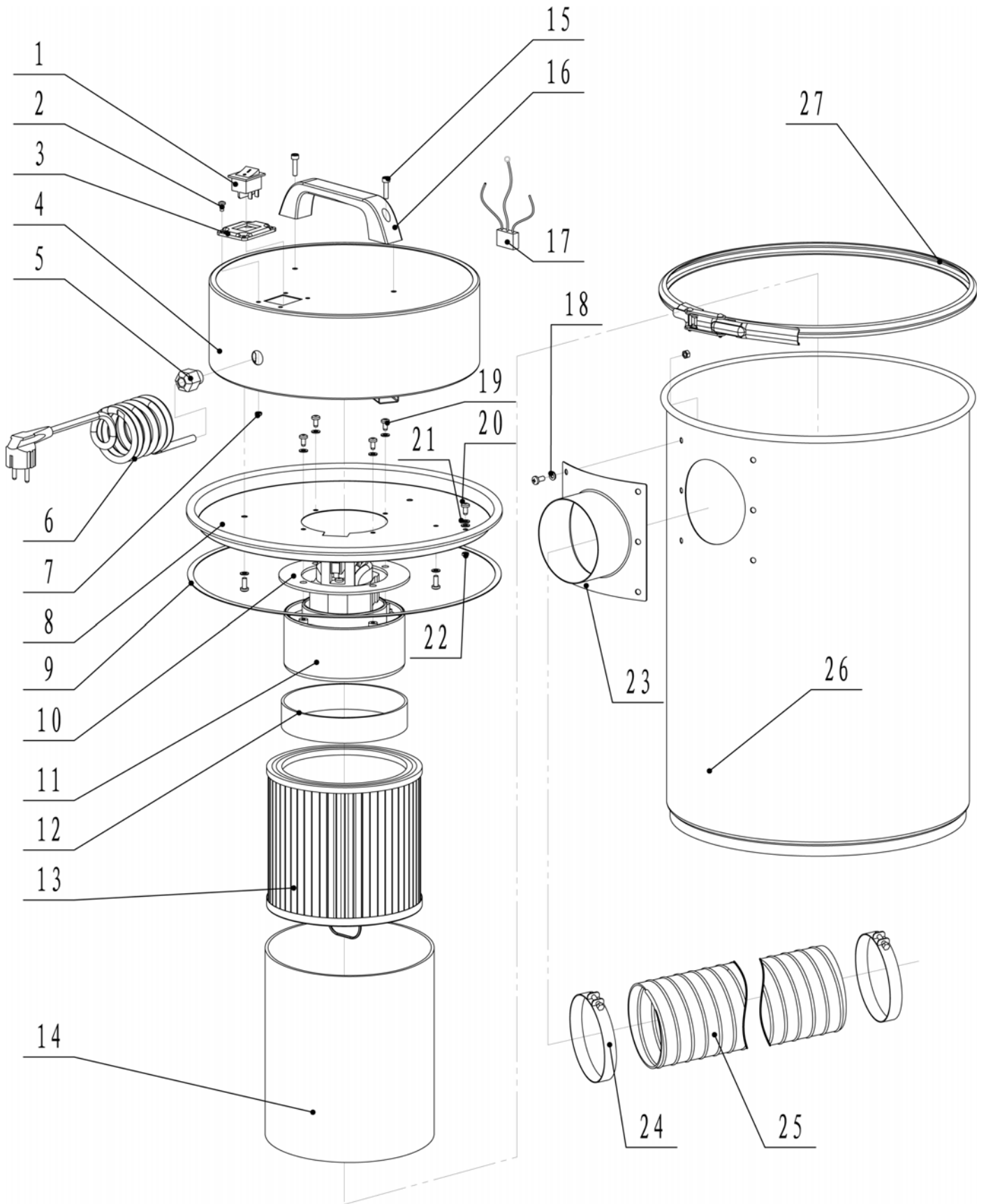


Fig. B

# Explosion Diagram



## Parts List

<b>KEY No.</b>	<b>Description</b>	<b>Part No.</b>
63-100-1	Switch	KND2-12/2-250V
63-100-2	Pan Head Screw M4X10	GB/T818-2000
63-100-3	Switch Mount Plate	JMDE0201011101
63-100-4	Lid Cover	JMDE0201011000
63-100-5	M16 Strain Release	JL91046300
63-100-6	Power Cord	2-B43102200-483
63-100-7	Hex Nut M4	GB/T6170-2000
63-100-8	Lid	JMDE0201014000
63-100-9	Packing Washer	JMDE0201040004
63-100-10	Motor Packing Washer	JMDE0201040001
63-100-11	Motor Assembly	HDWX-1000F
63-100-12	Cartridge Packing Washer	JMDE0201040003
63-100-13	Filter Cartridge Assembly	JMDE0201031000
63-100-14	Filter Bag	JMDE0201032001
63-100-15	Hex Head Screw M5x25	GB/T70.1-2000
63-100-16	Handle	JL70013003
63-100-17	Motor Capacitor	TNS-3TH/0.22uf+2x4700pf
63-100-18	Flat Washer	GB/T97.1-1985
63-100-19	Self Taping Screw ST4.8X22ZF	GB/T845-2000
63-100-20	Pan Head Screw M5X12	GB/T818-2000
63-100-21	Circlip	GB/T93-1987
63-100-22	Hex Nut M5	GB/T6170-2000
63-100-23	4" Dust Inlet	JMDE0201012101
63-100-24	4" Hose Clamp	JMDE0201013000
63-100-25	Dust Hose 4"x78"	JMDE0201130001
63-100-26	Cannister Body	JMDE0201012000
63-100-27	Band Strap Clamp	JMDE0201013000



## Warranty

# RIKON POWER TOOLS

### 5-Year Limited Warranty

RIKON Power Tools Inc. ("Seller") warrants to only the original retail consumer/purchaser of our products that each product be free from defects in materials and workmanship for a period of five (5) years from the date the product was purchased at retail. This warranty may not be transferred.

This warranty does not apply to defects due directly or indirectly to misuse, abuse, negligence, accidents, repairs, alterations, lack of maintenance or normal wear and tear. Under no circumstances will Seller be liable for incidental or consequential damages resulting from defective products. All other warranties, expressed or implied, whether of merchantability, fitness for purpose, or otherwise are expressly disclaimed by Seller. This warranty does not cover products used for commercial, industrial or educational purposes.

This limited warranty does not apply to accessory items such as blades, drill bits, sanding discs or belts and other related items.

Seller shall in no event be liable for death, injuries to persons or property, or for incidental, contingent, special, or consequential damages arising from the use of our products.

To take advantage of this warranty proof of purchase documentation, which includes date of purchase and an explanation of the complaint, must be provided.

The Seller reserves the right to effect at any time, without prior notice, those alterations to parts, fittings, and accessory equipment which they may deem necessary for any reason whatsoever.

To take advantage of this warranty, please fill out the enclosed warranty card and send it to:  
RIKON Warranty  
16 Progress Rd.  
Billerica, MA 01821

The card must be entirely completed in order for it to be valid. If you have any questions please contact us at 877-884-5167 or [warranty@rikontools.com](mailto:warranty@rikontools.com).



# **RIKON** **POWER TOOLS**

**For more information:  
16 Progress Rd  
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