



# KING CANADA

## 3/4 HP MINI DUST COLLECTOR



MODEL: KC-1101C

# INSTRUCTION MANUAL

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## IMPORTANT INFORMATION

**2-YEAR  
LIMITED WARRANTY  
FOR THIS DUST COLLECTOR**

**KING CANADA TOOLS  
OFFERS A 2-YEAR LIMITED WARRANTY  
FOR NON-COMMERCIAL USE.**

### PROOF OF PURCHASE

Please keep your dated proof of purchase for warranty and servicing purposes.

### REPLACEMENT PARTS

Replacement parts for this tool are available at our authorized KING CANADA service centers across Canada. For servicing, contact or return to the retailer where you purchased your product along with your proof of purchase.

### LIMITED TOOL WARRANTY

KING CANADA makes every effort to ensure that this product meets high quality and durability standards. KING CANADA warrants to the original retail consumer a 2-year limited warranty as of the date the product was purchased at retail and that each product is free from defects in materials. Warranty does not apply to defects due directly or indirectly to misuse, abuse, negligence or accidents, repairs or alterations and lack of maintenance. KING CANADA shall in no event be liable for death, injuries to persons or property or for incidental, special or consequential damages arising from the use of our products. To take advantage of this warranty, the product or part must be returned for examination by the retailer. Shipping and handling charges may apply. If a defect is found, KING CANADA will either repair or replace the product.

### PARTS DIAGRAM & PARTS LISTS

Refer to the Parts section of the King Canada web site for the most updated parts diagram and parts list.

# GENERAL SAFETY INSTRUCTIONS



## 1. KNOW YOUR TOOL

Read and understand the owners manual and labels affixed to the tool. Learn its application and limitations as well as its specific potential hazards.

**2. DON'T USE** power tools in damp or wet locations or expose them to rain. Keep work area well lit and provide adequate surrounding work space.

## 3. USE RIGHT TOOL.

Don't force the tool or the attachment to do a job for which it was not designed.

## 4. WEAR PROPER APPAREL.

Do not wear loose clothing, gloves, neckties or jewelry (rings, watch) because they could get caught in moving parts. Non-slip footwear is recommended. Wear protective hair covering to contain long hair. Roll up long sleeves above the elbows.

## 5. MAINTAIN TOOL WITH CARE.

Keep tool clean for best and safest performance. Follow instructions for operation and changing accessories.

## 6. DISCONNECT TOOLS.

Before servicing, when changing accessories or attachments.

## 7. AVOID ACCIDENTAL STARTING.

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

## 8. USE RECOMMENDED ACCESSORIES.

Follow the instructions that accompany the accessories. The use of improper accessories may cause hazards.

## 9. CHECK FOR DAMAGED PARTS.

Before further use of the tool, a guard or other parts that are damaged should be carefully checked to ensure they will operate properly and perform their intended function. Check for alignment of moving parts, breakage of parts, mounting, and any other conditions that may affect its operation. A guard or other parts which are damaged should be properly repaired or replaced.



# BEFORE USING YOUR DUST COLLECTOR

## BEFORE USING THE DUST COLLECTION SYSTEM:

To avoid mistakes that could result in serious, permanent injury, do not connect the power cord until the following steps have been completed:

1. Assembly, mounting and alignment.
2. Learn the function and the proper use of the switch.
3. Read and understand all safety instructions and operating procedures in this manual.
4. Always be aware of the hazards surrounding the usage of this machine. Always be aware of the following hazards:

### Fire Hazards

Metal shavings or dust can set sawdust on fire. Collect wood materials only. Do not collect metal shavings or dust.

### Electrical Hazards

Risk of electrical shock. Use indoors in dry area. Do not use outdoors or on wet surfaces.

### Explosive Hazards

Sparks can ignite vapors from flammable products. Do not use around flammable products.

### Miscellaneous Hazards

If connected to a circuit protected by fuses, use time delay fuses with this machine. Hazardous moving parts inside. Unplug before removing inlet guard. Attach inlet guard before plugging in.

- Do not vacuum, or use this Dust Collector 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 vacuum anything that is burning or smoking, such as cigarettes, matches, or hot ashes.
- To avoid health hazards from vapors or dust, do not vacuum toxic materials.

## BEFORE EACH USE:

1. Inspect your Dust Collector. If any parts are missing, bent, or fail in any way, or any electrical components do not work properly, turn off and remove power cord from power source. Replace damaged, missing or failed parts before using again.
2. Plan your work to protect your eyes, hands, face, ears and body.
  - A. **WEAR SAFETY GOGGLES, FORESIGHT IS BETTER THAN NO SIGHT!** Wear safety goggles, not glasses. Operating any power tool can cause foreign objects to be thrown into the eyes which can result in permanent eye damage.
  - B. When cleaning collection bag, wear a dust mask to prevent the inhalation of dangerous particles.

# SPECIFICATIONS & ELECTRICAL INFORMATION



## Technical Specifications

Model.....KC-1101C  
 Voltage.....120V  
 Amperage.....5.7A  
 Cycle/Phase.....60Hz, 1 phase  
 Air Suction.....590 CFM  
 Inlet/Outlet Diameter.....4"

## POWER SUPPLY

**WARNING:** YOUR DUST COLLECTOR MUST BE CONNECTED TO A 120V, 15-AMP CIRCUIT. FAILURE TO CONNECT IN THIS WAY CAN RESULT IN INJURY FROM SHOCK OR FIRE.

## GROUNDING

Your dust collector must be properly grounded. Not all outlets are properly grounded. If you are not sure if your outlet is properly grounded, have it checked by a qualified electrician. **WARNING:** IF NOT PROPERLY GROUNDED, THIS DUST COLLECTOR CAN CAUSE ELECTRICAL SHOCK, PARTICULARLY WHEN USED IN DAMP LOCATIONS. TO AVOID SHOCK OR FIRE, IF THE POWER CORD IS WORN OR DAMAGED IN ANY WAY, HAVE IT REPLACED IMMEDIATELY.

If this dust collector should malfunction or breakdown, grounding provides a path of least resistance for electric current, to reduce the risk of electric shock. It is equipped with a cord having an equipment-grounding conductor and grounding plug. The plug must be plugged into an appropriate outlet that is properly installed and grounded in accordance with all local codes and ordinances. See Fig.1.

**WARNING:** TO MAINTAIN PROPER GROUNDING, DO NOT REMOVE OR ALTER THE GROUNDING PRONG IN ANY MANNER.

## EXTENSION CORDS

The use of any extension cord will cause some loss of power. See Fig.2 below to determine the minimum wire size (A.W.G-American Wire Gauge) extension cord. Use only 3-wire extension cords which have 3-prong grounding type plugs and 3-hole receptacles which accept the tool's plug. For circuits that are further away from the electrical circuit box, the wire size must be increased proportionately in order to deliver ample voltage to the dust collector motor. Refer to Fig.2 for wire length and size.

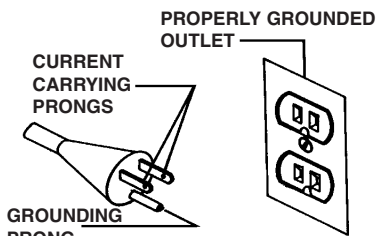


Figure 1

LENGTH OF EXTENSION CORD	WIRE GAUGE REQUIRED (AMERICAN WIRE GAUGE)
	120V LINES
0-25 FEET	NO.16
26-50 FEET	NO.16
51-100 FEET	NO.14

Figure 2



# ASSEMBLY & OPERATION

## Installing Wheel Casters

This dust collector comes with 2 locking caster wheels and 2 non-locking caster wheels. Install both locking casters on the same side. To install a wheel caster (A) Fig.3 to the the underside of the frame, make sure caster wheel has a nut (B) threaded all the way and a washer (C) placed on the caster shaft. Insert caster shaft through the underside of the frame and secure in place using the acorn nut (D). Use 2 open end wrenches to tighten securely. Repete for the other 3 caster wheels.



Figure 3

## Attaching Dust Collector Bag to outlet

Attach the collector bag (A) Fig.4 to the outlet (B) with dust bag clamp (C), fix into place by tightening screw (D) on dust bag clamp with a flat head screwdriver.

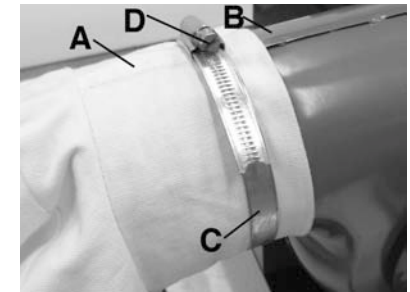


Figure 4

## Turning Dust Collector On & Off

Note: Before connecting power cord to power source, make sure that the switch is in the "off" position.

The dust collector can be turned on by flipping the switch (A) Fig.5 into the "on" position. Flip to the "off" position to turn dust collector off. There is a removable safety key (B) in the tip of the switch that can be removed when in the "off" position. When the key has been removed the dust collector can't be used.

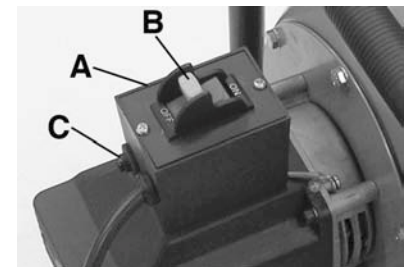


Figure 5

This dust collector comes with a circuit breaker reset button (C) Fig.5, if the motor overloads, the circuit breaker will be tripped and the motor will stop. Turn the switch to the "off" position and let the motor cool down for 15 minutes. Press the reset button and restart the motor.

# OPERATION & MAINTENANCE



## Installing Flexible 4" Hose to Inlet

Warning! Make sure the switch is in the "off" position and that the power cord is unplugged from the power source before you install hose to inlet or any other time where your hands come close to the inlet.

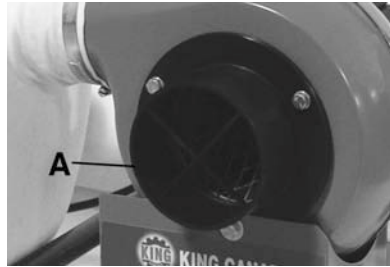


Figure 6

Now that your dust collector is ready for use, it is now necessary to connect a 4" diameter flexible hose (not included) from your dust port on your tool to the 4" plastic inlet of your dust collector. It may be necessary to purchase a reducer adaptor in order to connect a 4" hose to a smaller diameter dust port on your tool. Place an adequate hose clamp (not supplied) over hose and slide hose over the inlet (A) Fig.6. Fix hose to inlet with clamp.

## Maintenance

Excessive dust in motor could cause overheating. Every effort should be made to prevent foreign material from entering the motor. When operated under conditions likely to permit accumulations of dust, dirt, or waste within the motor, a visual inspection should be made at frequent intervals. Accumulations of dry dust can usually be blown out. Use a low pressure air hose. CAUTION: To avoid eye injury or adverse reaction to dust, high air pressure should not be used especially in poorly ventilated areas. The operator performing this task should wear safety goggles and a mask. Do not use dust collector if power cord becomes worn or frayed. If any servicing becomes necessary, it should be performed by a qualified technician or by an authorized King Canada service center.

## Emptying Quick-Zip Dust Bag

Emptying your dust bag is simple and does not require the removal of the dust bag from the outlet. A convenient Quick-Zip zipper is incorporated at the end of the dust bag. Open zipper over trash and empty contents of the dust bag.

## Replacing Carbon Brushes

This dust collector comes with a brush motor, the carbon brushes get worn down with use and need to be inspected regularly. If the wear on the carbon brushes reach the limit mark on either brush, it is time to replace BOTH carbon brushes.



Figure 7

To inspect or replace carbon brushes, unscrew brush cap (A) Fig.7, pull the carbon brush out, if the wear has reached the limit mark, replace brush with supplied replacement set. If the brush has not reached the limit mark, reinstall it the same way as before and secure with brush cap. Repeat these steps for the second carbon brush on the other side of the motor housing.