

KING

INDUSTRIAL

JAMB & UNDERCUT SAW

04/2016



MODEL: KC-8363

INSTRUCTION MANUAL

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IMPORTANT INFORMATION

**2-YEAR
LIMITED WARRANTY
FOR THIS UNDERCUT SAW**

**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.

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, normal wear and tear, negligence or accidents, repairs done by an unauthorized service center, 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 limited warranty, return the product at your expense together with your dated proof of purchase to an authorized King Canada service center. Contact your retailer or visit our web site at www.kingcanada.com for an updated listing of our authorized service centers. In cooperation with our authorized serviced center, King Canada will either repair or replace the product if any part or parts covered under this warranty which examination proves to be defective in workmanship or material during the warranty period.

NOTE TO USER

This instruction manual is meant to serve as a guide only. Specifications and references are subject to change without prior notice.

PARTS DIAGRAM & PARTS LISTS

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

KING CANADA INC. DORVAL, QUÉBEC, CANADA H9P 2Y4

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GENERAL SAFETY INSTRUCTIONS

VOLTAGE WARNING: Before connecting the tool to a power source (receptacle, outlet, etc.) be sure the voltage supplied is the same as that specified on the nameplate of the tool. A power source with voltage greater than that for the specified tool can result in **SERIOUS INJURY** to the user - as well as damage to the tool. If in doubt **DO NOT PLUG IN THE TOOL**. Using a power source with voltage less than the nameplate is harmful to the motor.

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. REMOVE ADJUSTING KEYS AND WRENCHES.

Form habit of checking to see that keys and adjusting wrenches are removed from tool before turning it on.

3. AVOID DANGEROUS ENVIRONMENT.

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.

4. KEEP CHILDREN AWAY.

All visitors should be kept a safe distance from work area. Use padlocks, master switches or remove starter keys.

5. 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.

6. ALWAYS WEAR SAFETY GLASSES.

Always wear safety glasses (ANSI Z87.1). Everyday eyeglasses only have impact resistant lenses, they are **NOT** safety glasses. Also use a face or dust mask if cutting operation is dusty.

7. DISCONNECT TOOLS.

Before servicing, when changing accessories or attachments.

8. CHECK DAMAGED PARTS.

Before further use of the tool, a guard or other parts that are damaged should be carefully checked to ensure that 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 that are damaged should be properly repaired or replaced.

SPECIFIC SAFETY INSTRUCTIONS & ELECTRICAL INFORMATION

SPECIFIC INSTRUCTIONS FOR JAMB & UNDERCUT SAWS

1. This Jamb & Undercut Saw is manufactured for specific use by experienced flooring installation personel only! It can cause bodily harm if used improperly or if operated by inexperienced persons.
2. Do not remove or modify the blade safety guard, it must be installed at all times.
3. Avoid hitting nails, screws, masonry, tile or other hard materials. These materials can cause dangerous chips and debris to be ejected from the saw. It will damage or dull the blade, blade replacement will then be required.
4. Check jams and baseboards carefully to locate nails or other fasteners so they can be removed or avoided during trimming.
5. Do not use on wet floors or near standing water.
6. Make sure blade retaining nut and handle retaining cap screws are tightened securely before operating.
7. Hold the tool by insulated gripping areas when performing an operation where the cutting tool may contact hidden wiring or its own cord. Contact with a "live" wire will make exposed metal parts of the tool "live" and shock the operator.

ELECTRICAL INFORMATION

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

120V OPERATION

As received from the factory, your undercut saw is ready to run for 120V operation. This undercut saw is intended for use on a circuit that has an outlet and a polarized plug which looks like the one illustrated in Fig.1. Double insulated tools are equipped with a polarized plug (one blade is wider than the other.) This plug will fit in a polarized outlet only one way. If the plug does not fit fully in the outlet, reverse the plug. If it still does not fit, contact a qualified electrician to install a polarized outlet. Do not change the plug in any way. Double insulation eliminates the need for the three wire grounded power cord and grounded power supply system.

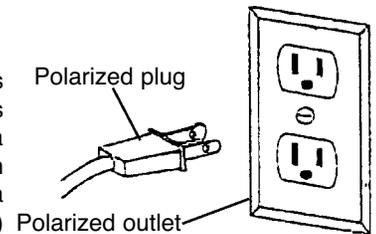


FIGURE 1

EXTENSION CORDS

The use of any extension cord will cause some loss of power. Use the following table to determine the minimum wire size (A.W.G.-American Wire Gauge) extension cord. Use only extension cords which accept the tool's plug.

Tool's Amperage Rating	Cord Size in A.W.G.			
	Cord Length in Feet			
	25	50	100	150
3-6	18	16	16	14
6-8	18	16	14	12
8-10	18	16	14	12
10-12	18	16	14	12
12-16	14	12	-	-

FIGURE 2

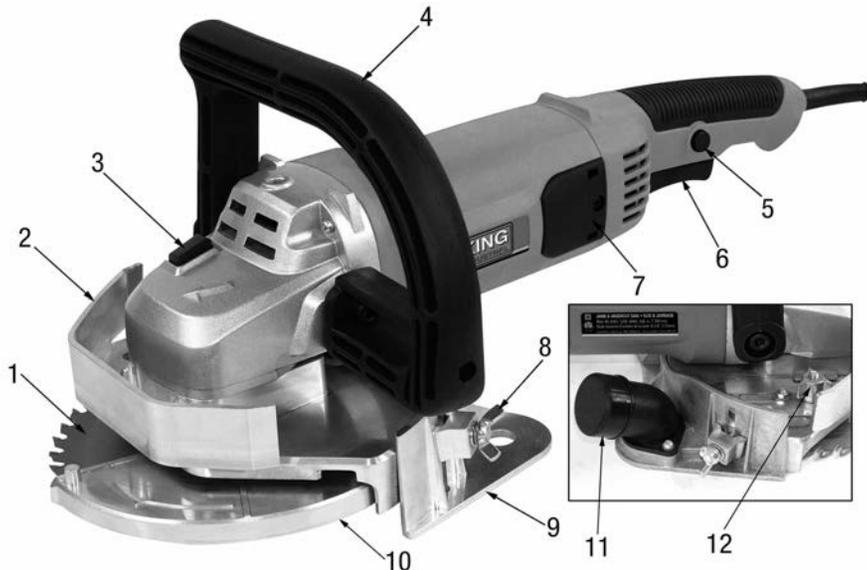
For circuits that are further away from the electrical circuit box, the wire size must be increased proportionately in order to deliver ample voltage to the motor. Refer to Fig.2 for wire length and size.

GETTING TO KNOW YOUR UNDERCUT SAW

Unpacking

Your Jamb & Undercut Saw has been shipped completely assembled. Inspect it carefully to make sure no breakage or damage has occurred during transport. If any parts are missing, do not attempt to use the tool until you have obtained the missing parts from your King Canada retailer.

Getting to know your Jamb & Undercut Saw



1. **Blade.**
2. **Depth stop plate.** Adjust this stop plate in or out to set the depth of cut.
3. **Spindle lock button.** Depress this button to lock the blade spindle and undo the blade retaining countersunk screw.
4. **Multiple angle grip handle.** Can be positioned at any angle for operator comfort.
5. **Trigger.**
6. **Safety button.** To turn the tool on, this button must be depressed first before actuating the trigger.
7. **Carbon brush cap (1 of 2).**
8. **Height adjustment base.** Its position determines the height of cut.
9. **Locking wing nut (1 of 2).**
10. **Blade safety guard.**
11. **1-1/4" Vacuum fitting.**
12. **Lock knob for depth stop plate.**

MODEL	KC-8363
Blade diameter	6-3/4"
Blade arbor diameter	7/8"
No load speed (R.P.M.)	7,700
Inward depth range	0 - 1-1/4"
Height adjustment range	0" - 1"
Motor	12 Amp.
Voltage	120V, 1 phase, 60Hz
Weight	13 lbs

OPERATION

SWITCH OPERATION

To turn the tool on, first the safety lock button (A) Fig.3 must be depressed, then depress the trigger (B). Release the trigger to stop the tool.

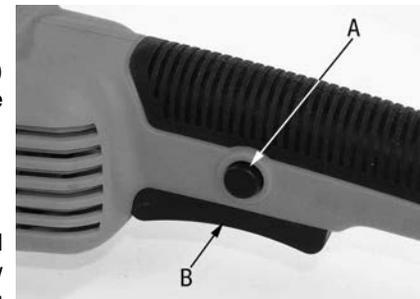


FIGURE 3

SETTING THE HEIGHT ADJUSTMENT BASE

First determine the amount of material you need to remove from the bottom of the jamb and draw a reference mark on it. Loosen the 2 locking wing nuts (A) Fig.4 which hold the height adjustment base (B). Place the height adjustment base on the floor and adjust the saw so the **top** of the blade is even with the reference mark. You can also measure the distance from the floor to your reference line and adjust the position of the height adjustment base.

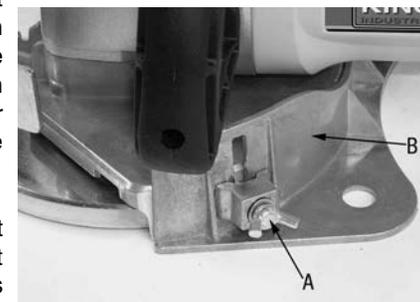


FIGURE 4

Tighten the wing nuts enough to hold the height adjustment base firmly. Flip the jamb & undercut saw upside down and make sure the saw body is parallel to the index lines found inside the height adjustment base. This is very important to prevent "binding" of the blade during operations. Adjust the height adjustment base if necessary and tighten the locking wing nuts securely.

SETTING THE DEPTH OF CUT

You can limit the depth of cut (to minimize the chance of hitting nails, drywall, plaster, etc.) by adjusting the position of the depth stop plate (A) Fig.5. Loosen the lock knob (B), move the depth stop plate and measure the distance from the tip of the blade, lock the depth stop plate in the desired position using the lock knob.



FIGURE 5

CONNECTING 1-1/4" VACUUM HOSE TO DUST FITTING

It is strongly recommended to connect a vacuum with a 1-1/4" hose to the dust fitting (A) Fig.6. This will reduce airborne dust and will require less clean up. If you do not connect a vacuum to the dust fitting, make sure to place the dust cap of the dust fitting during operations.

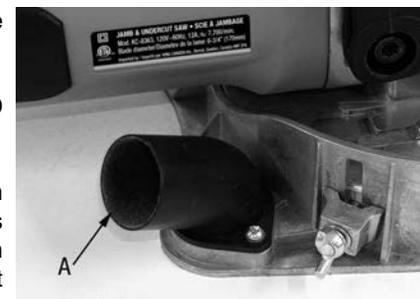


FIGURE 6

OPERATION

CHANGING THE BLADE

1. Make sure the jamb & undercut saw is un-plugged.
2. Position the jamb & undercut saw on its side to expose the blade.
3. Press the spindle lock button (A) Fig.7 to lock the spindle to prevent the blade from turning.
4. Using the supplied 5mm hex. key, loosen and remove the countersunk hd screw (A) Fig.8, then remove the blade flange (B), and finally remove the blade (C).
5. Reinstall an identical blade making sure the blade teeth are facing the direction of rotation (counterclockwise viewed from the bottom). A replacement blade model KW-098 is available, contact your nearest King Canada product retailer for more information.
6. Reposition the blade flange and screw the countersunk head screw into the spindle shaft. Before tightening securely, make sure the blade is centered and seated properly.
7. Depress the spindle lock button (A) Fig.7 to lock the spindle to prevent the blade from turning and tighten the countersunk head screw securely using the 5mm hex. key.
8. Make sure the lock mechanism has disengaged and the blade is spinning freely before turning tool on.



FIGURE 7

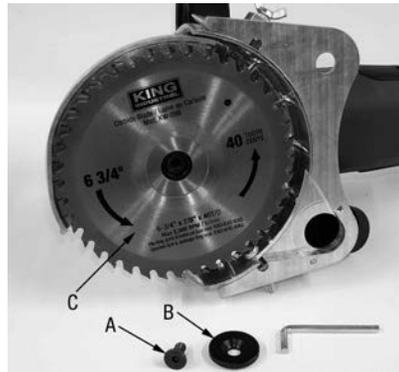


FIGURE 8

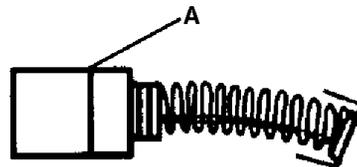


FIGURE 9

REPLACING CARBON BRUSHES

Remove and check the carbon brushes regularly (normally after 40-50 hours of use). Replace when they wear down to the limit mark (A) Fig.9. Keep the carbon brushes clean and free to slip in the holders. Both carbon brushes should be replaced at the same time. Use only identical carbon brushes.

Using a screwdriver remove screw (A) Fig.10 then remove the brush holder cap (B). Take out the worn carbon brush, insert a new one and secure the brush holder cap. Repeat for the opposite side.

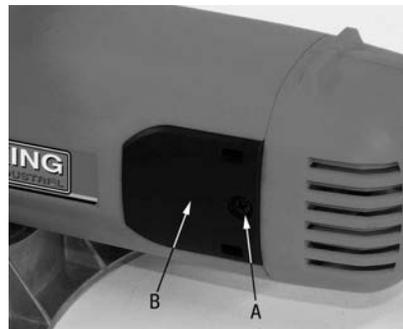


FIGURE 10

OPERATION

OPERATING PROCEDURES

1. Make sure you have read all safety instructions before operating.
2. Make sure the saw is unplugged. Make sure the safety guard and handle are attached securely, and that you are wearing protective goggles.
3. Check for nails, screws, masonry or other hard material in the area you want to cut. Remove all such material and debris from the cutting area.
4. Determine the amount of material you need to remove from the bottom of the jamb and draw a scribe line on the door jamb.
5. Set the height adjustment base so the TOP of the blade is even with the scribe mark on the jamb. Check the inside of the height adjustment base to make sure the saw body is parallel to the index lines. This step is important to prevent "binding" of the blade against the material you are cutting.
6. Set the limit of the depth stop plate to minimize the chance of hitting nails or drywall etc.
7. Plug the electrical cord into a 120V outlet or extension cord. Place the saw flat on the floor.
8. Move the safety guard counterclockwise, then grasp the saw firmly and turn it on by first pressing the safety lock button, then depress the trigger.
9. Slowly push the saw into the wood and move the saw parallel to the floor to cut the jamb.

IMPORTANT NOTE:

ALWAYS make sure the base is flat on the ground and feed the saw to your RIGHT so the blade teeth advance into the wood. If the saw is moved to your left, it could result in "kickback" and loss of control of the saw, which can result in damage to the material or personal injury.

Causes and Operator Prevention of Kickback:

Kickback is a sudden reaction to a pinched, bound or misaligned saw blade, causing an uncontrolled saw to lift up and out of the workpiece toward the operator. When the blade is pinched or bound tightly by the kerf closing down, the blade stalls and the motor reaction drives the unit rapidly back toward the operator. If the blade becomes twisted or misaligned in the cut, the teeth at the back edge of the blade can dig into the top surface of the wood causing the blade to climb out of the kerf and jump back toward operator.

Kickback is the result of tool misuse and/or incorrect operating procedures or conditions and can be avoided by taking proper precautions. Maintain a firm grip with both hands on the saw and position your body and arm to allow you to resist KICKBACK forces. Investigate and take corrective actions to eliminate the cause of blade binding. Do not use dull or damaged blade. Unsharpened or improperly set blades produce narrow kerf causing excessive friction, blade binding and KICKBACK.

REGARDING WOOD BASE MOLDINGS

While some flooring installers trim wood base molding with jamb saws, it is not a recommended practice. For better results, it is recommended that the base molding be removed then replaced after the new floor is installed.

REGARDING DOOR TRIMMING

ALWAYS remove doors, and cut evenly with a circular saw or jig saw.