KING INDUSTRIAL

VARIABLE SPEED DRYWALL SANDER

MODEL: KC-8379

INSTRUCTION MANUAL

WARRANTY INFORMATION

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

PROOF OF PURCHASE

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

PARTS DIAGRAM & PARTS LISTS

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

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 service 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.

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

www.kingcanada.com

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 sanding 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

SPECIFIC SAFETY RULES

Safety is a combination of common sense, staying alert and knowing how your Drywall Sander works. Read and understand the following safety rules before operating.

1) Never leave Drywall Sander unattended while it is running. Do not put down the Drywall Sander until the sanding pad has come to a complete stop.

2) Do not use sand paper which is oversized or not designed for this Drywall Sander. Larger sanding paper extending beyond the sanding pad presents a laceration hazard and may cause snagging, tearing of sanding paper, kickback and personal injury.

3) Before installing or removing sanding paper, make sure to unplug power cord from power source.

4) This Drywall Sander is not designed for grinding, wire brushing or cutting off operations. Operations for which the power tool was not designed may create a hazard and cause personal injury.

5) Do not use accessories which are not specifically designed and recommended by the manufacturer. Just because a non recommended sanding disc can be attached to this Drywall Sander doesn't mean it should be used, or can assure a safe operation.

6) Do not operate this Drywall sander near flammable materials. Sparks could ignite these materials.

7) This Drywall Sander is not suitable for wet sanding.

8) Only install an identical replacement sanding pad on this Drywall Sander. To ensure optimal performance, this Drywall Sander should be run at low speed for a few minutes to make sure the sanding pad seats properly.

9) Make sure to avoid all sharp objects and/or nails that may be sticking out of the drywall to be sanded. This will damage the sand paper and the sanding pad.

10) Store Drywall Sanding in the included carrying case, place it in a dry and secure location out of the reach of children. Keep tool and power cord clean.

ELECTRICAL INFORMATION & SPECIFICATIONS

ELECTRICAL INFORMATION

WARNING: YOUR DRYWALL SANDER 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 Drywall Sander is ready to run for 120V operation. This Drywall Sander 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.

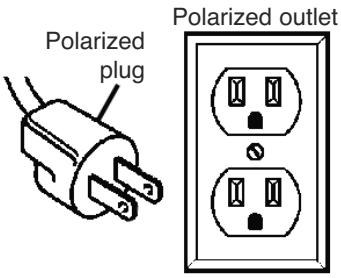


FIGURE 1

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	-	-

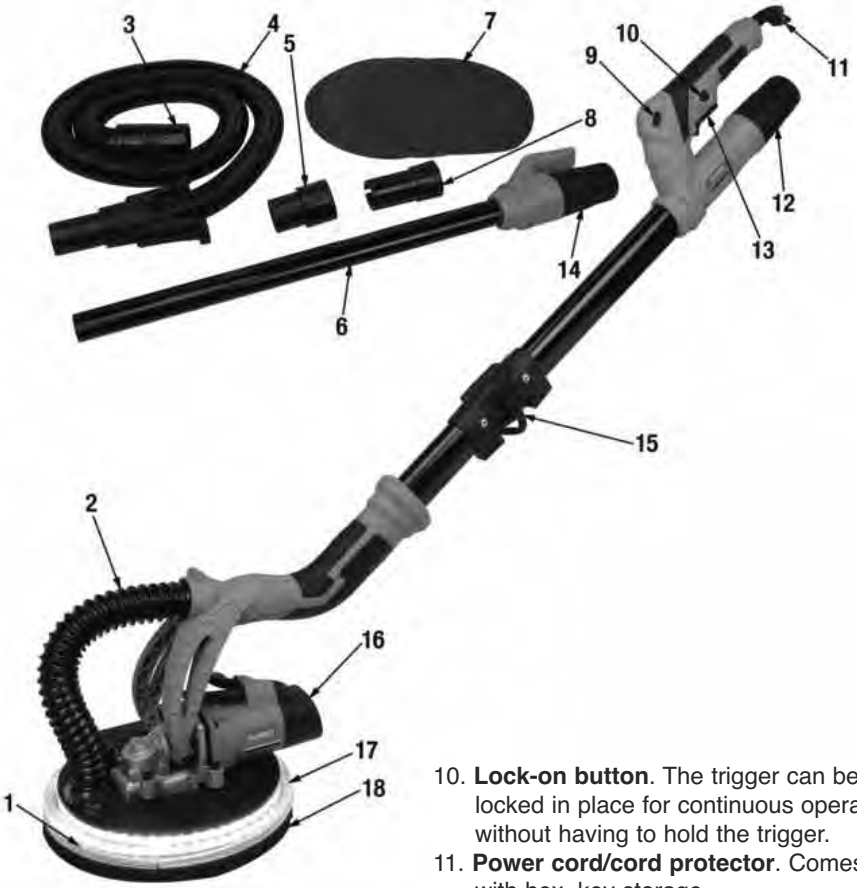
FIGURE 2

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.

SPECIFICATIONS

MODEL	KC-8379
Sanding pad diameter	8-1/2"
Sanding paper diameter	8-7/8"
Variable speed	600 - 1500 RPM
Range of reach	45" to 65"
Motor	5 Amp.
Voltage	120V, 1 phase, 60 Hz
Ass. dimensions (LxWxH)/weight	13" x 10" x 65" / 11 lbs
Package dimensions (LxWxH)/weight	27-1/2" x 8-5/8" x 13-1/4" / 23 lbs

GETTING TO KNOW YOUR DRYWALL SANDER



1. **Detachable segment**. For edge sanding.
2. **Sanding pad dust hose**.
3. **1-1/4" dust adaptor**. Connects to vacuum hoses with a O.D. of 1-1/4".
4. **Dust collection hose**.
5. **1-3/8" dust adaptor**. Connects to vacuum hoses with a O.D. of 1-3/8".
6. **Telescopic extension**. Increases the reach from 45" up to 65".
7. **6 pcs. sanding paper**. Hook & loop sanding paper (2 x 80, 120 & 180 grit).
8. **Telescopic extension adaptor.**
9. **Variable speed dial**. Sets the rotating speed from 600-1500 RPM.
10. **Lock-on button**. The trigger can be locked in place for continuous operation without having to hold the trigger.
11. **Power cord/cord protector**. Comes with hex. key storage.
12. **Main locking nut**. Secures the dust collection hose or the telescopic extension.
13. **Trigger**. To turn the Drywall Sander on, depress the trigger. Release trigger to stop the Drywall Sander.
14. **Extension locking nut**. Secures the dust collection hose.
15. **Pivot lock**. Release the clamp to fold Drywall Sander for storage inside carrying case.
16. **Motor**.
17. **360º LED light**. Normally used in low lit environments.
18. **360º brush**.

ASSEMBLY

Unpacking

Your Drywall sander requires some assembly. 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.

FIGURE 3

ASSEMBLY

Unfolding and securing Drywall Sander

1. Remove the main Drywall Sander from the carrying case. Unfold it and secure it into the straight position using the locking latch (A) Fig.3 as shown.

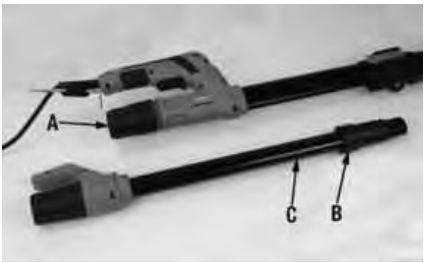


FIGURE 4

Installing telescopic extension

Note: The telescopic extension is used according to the operation and height needed, it is recommended to install it as a convenience when it may be needed, but it does not need to be installed if you do not intend to use it.

1. Loosen the main locking nut (A) Fig.4, but do not remove it.

2. Slide the telescopic extension adaptor (B) over the telescopic extension (C) as shown.

FIGURE 5

3. Insert the telescopic extension adaptor (B) and the telescopic extension (C) into the main locking nut (A). Push the adaptor all the way down into the locking nut.

4. The telescopic extension can then be adjusted to the length needed. Once adjusted to the desired position, tighten the locking nut (A) Fig.4.

5. Fig.5 shows the correct assembly of the telescopic extension.

WARNING! The telescopic extension has a maximum reach. This maximum reach is indicated with a “max” marking (A) Fig.5 on the extension. Never extend the telescopic extension past this mark. Risk of personal injury if this warning is not respected.

ASSEMBLY

Installing dust collection hose

Note: The dust collection hose can be installed to either the main shaft of the Drywall Sander or the telescopic extension. The following assembly instructions apply to both situations.

1. Loosen the main locking nut (A) Fig.4 (if installing to the main shaft), or loosen the extension locking nut (A) Fig.6 (if installing to the extension), but do not remove locking nut.

2. Slide the fitting of the dust collection hose (B) into the main locking nut (A) Fig.4 or the extension locking nut (A) Fig.6. Push the fitting of the dust collection hose all the way down into the locking nut.

3. Tighten the locking nut to secure dust collection hose.

4. The other end of the dust collection hose comes with 2 adaptor fittings. The standard fitting (C) Fig.6 is designed to connect to a vacuum hose which has an outside diameter of 1-1/4". The second adaptor fitting (D) is designed to connect to a vacuum hose which has an outside diameter of 1-3/8".

5. To change adaptors, press the two tabs (A) Fig.7 on both sides to remove the adaptor, push other adaptor over the tabs until it snaps into place.

NOTE: To control the amount of airborne dust particles, it is highly recommended to connect the Drywall Sander to a vacuum for dust collection.

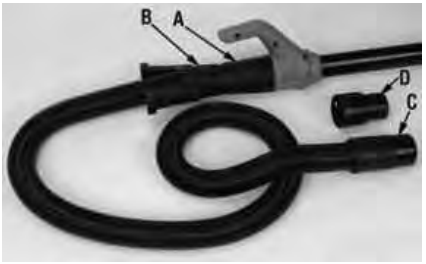


FIGURE 6

FIGURE 7

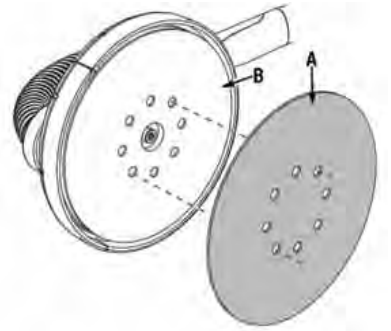


FIGURE 8

Installing sanding paper

WARNING! Before attempting to install or remove sanding paper, make sure the trigger is not in the locked position and that the power cord has been disconnected from the power source. Only use recommended 8-7/8" diameter hook & loop sanding paper.

1. Install sanding paper (A) Fig.8 in the centre of the hook & loop sanding pad (B), press firmly. For best dust collection results, the holes in the sanding paper must be in alignment with the extraction holes in the sanding pad.

OPERATION

Turning Drywall Sander On/Off

1. This Drywall Sander is controlled by the trigger (A) Fig.9. To turn the machine on, press and hold the trigger. To turn off, release the trigger.

Using the lock-on button

1. This Drywall Sander is capable of continuous operation without having to hold the trigger. To obtain continuous operation, first press and hold the trigger (A) Fig.9, then press the lock-on button (B) Fig.9, release the trigger, this will lock the trigger in place. To release this lock-on position and to turn the Drywall Sander off, press the trigger and release it.

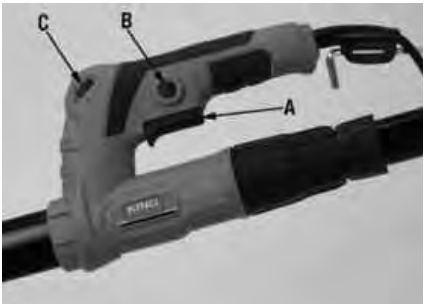


FIGURE 9

Setting the RPM speed (600-1500 RPM)

1. This Drywall Sander comes with a variable speed dial (C) Fig.9 which sets the RPM rotation speed of the sanding pad/sanding paper.

2. Turn the variable speed dial (C) Fig.9 towards the left to increase the speed, or towards the right to decrease the speed.

FIGURE 10

Using the LED light

1. This Drywall Sander comes with a LED light around the edge of the main body, the LED light is controlled by the on/off switch (A) Fig.10. The LED light can only be turned on if the machine is connected to a power source.

FIGURE 11

Removing the detachable brush segment for edge sanding

1. This Drywall Sander comes with a detachable brush segment (A) Fig.11. When the brush segment is removed, the now exposed section of the sanding pad/sanding paper can reach edges or corners which couldn't be reached previously.

2. To remove brush segment, simply pull it off from the base. To reinstall, insert the tab (B) of the brush segment into the slot (C) on the base. Push it until it snaps into place.

OPERATION

Air flow adjustment of dust collection hose

1. The air flow capacity (suction power) can be controlled by the adjustment ring (A) Fig.12 which is found on the fitting of the dust collection hose as shown.

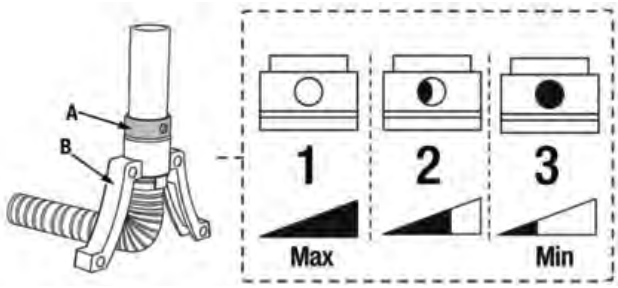


FIGURE 12

2. For maximum air flow/suction power, the adjustment ring (A) must be completely closed as shown in position 1 (hole not visible).

3. If you notice that the air flow/suction power is too great, move the adjustment ring to position 2 (hole half visible).

4. To obtain the lowest air flow/suction power, move the adjustment ring to position 3 (hole completely visible).

Storage

1. If the Drywall Sander will be out of service for an extended period of time, it should be disassembled and stored in the included carrying case.

2. If you wish to store the Drywall Sander assembled, the Drywall Sander should be placed upside down on the support (B) Fig.12 of the dust collection hose, this will prevent damaging the sanding pad, brush and collection hose.

OPERATIONAL GUIDELINE

Sanding drywall

1. If you are using the dust collection feature of this Drywall sander, turn the vacuum on first, then turn the Drywall sander on.

2. Begin sanding, carefully contact the work surface as lightly as possible, just enough to keep the sanding pad flat against the work surface.

3. For best results, make overlapping sweeps and keep the sander in constant motion. Never stop too long in one place or you will create swirl marks.

MAINTENANCE

Replacing sanding pad

1. The sanding pad (A) Fig.13 may get worn or damaged. If this is the case it will need to be replaced.

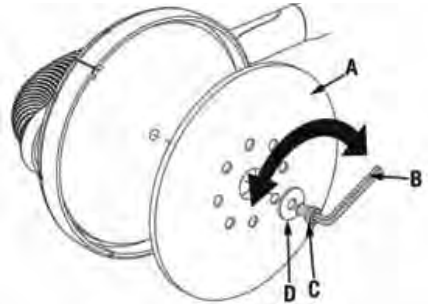


FIGURE 13

Replacement King Canada sanding pad:
Mod. KW-185. Contact your nearest distributor of King Canada products for more information.

2. Hold the sanding pad with one hand, with your other hand loosen cap screw (C) Fig.13 using the supplied 5mm key key (B).

3. Remove the cap screw (C), washer (D) and sanding pad (A).

4. Install new sanding pad in the reverse order.

Replacement King Canada sanding paper kits available:
Mod. SD-878-K-80 - 5 pc. kit- 80 grit.
Mod. SD-878-K-120 - 5 pc. kit- 120 grit.
Mod. SD-878-K-180 - 5 pc. kit- 180 grit.

Contact your nearest distributor of King Canada products for more information.

Inspecting/replacing carbon brushes

Eventually, carbon brushes wear down and no longer make sufficient contact with the armature, when this happens, both carbon brushes need replacing. Both carbon brushes should be replaced at the same time. Use only identical carbon brushes.

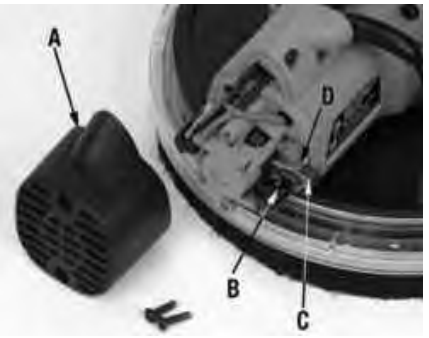


FIGURE 14

To do this, unscrew the two screws which secure the motor cover (A) Fig.14, remove the motor cover. Unclip the retaining spring (B). Slide carbon brush (C) out of carbon brush holder (D). Check carbon brush wear and remove any dirt. If carbon brush is completely worn, replace it with an identical carbon brush, repeat for the other side. Reinstall motor cover.

Motor

Frequently blow or vacuum out dust from the motor vents. CAUTION: To reduce the risk of eye injury from blowing debris, wear safety glasses when blowing out dust.