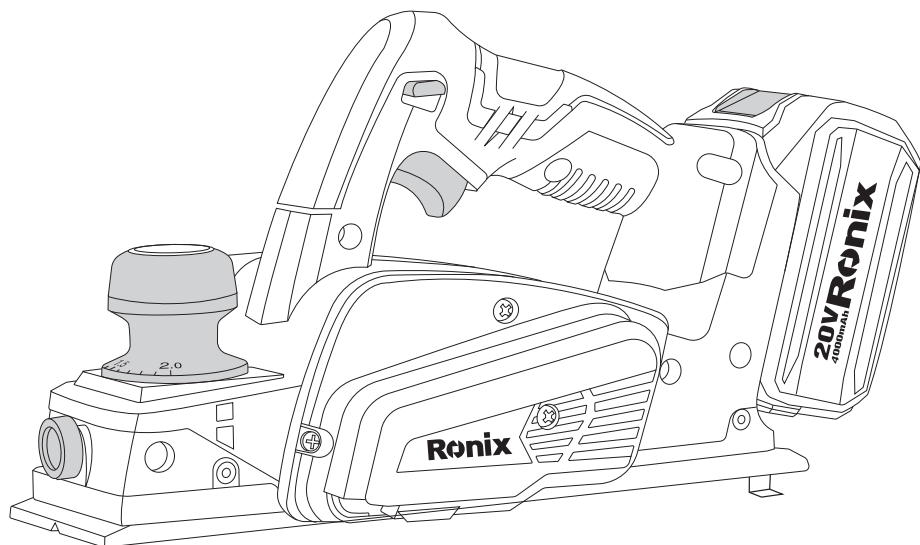


# Ronix®

Premium Quality

**CORDLESS PLANER 20V**

**8603**



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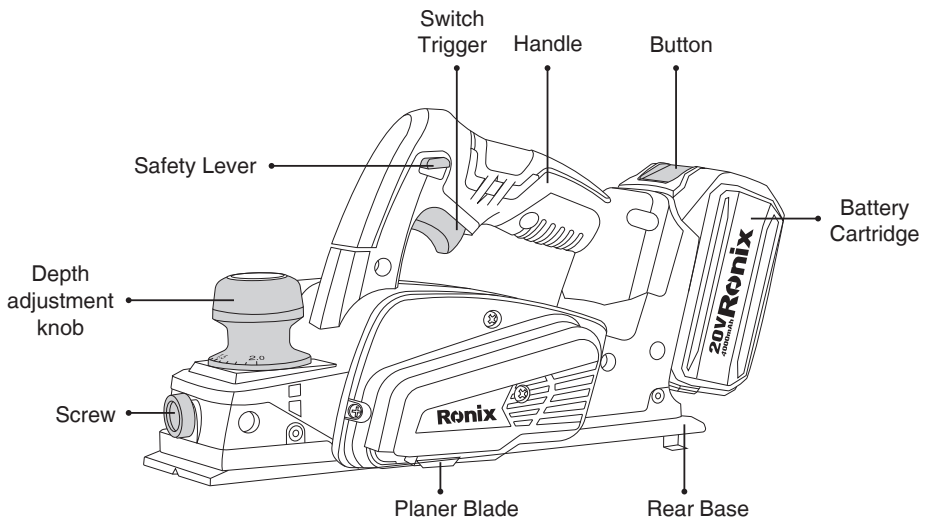




## TECHNICAL SPECIFICATIONS

Model	<b>8603</b>
Weight	3.1Kg(only machine)
Motor Type	Brushed
Battery Chemistry	Li-ion
Battery Voltage	20V
Blade Material	HSS
Cutting Depth	82x2 mm
No-Load Speed	15000RPM
Battery Capacity	4.0Ah
Switch type	Trigger Switch
Supplied in	Ronix BMC box
Includes	1,Guide Plate 1pc 2,Hex wrench 8# 3,Internal hex wrench 4, charger 4A 1pc 5, Battery pack 4.0Ah 1pc

## PART LIST



## GENERAL POWER TOOL SAFETY WARNINGS

### **WARNING!**

-Read all safety warnings and all instructions. Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury.

## WORK AREA SAFETY

-Keep work area clean and well lit. Cluttered or dark areas invite accidents.

-Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases or dust. Power tools create sparks which may ignite the dust or fumes.

-Keep children and bystanders away while operating a power tool. Distractions can cause you to lose control.

### Electrical safety

-Power tool plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with earthed (grounded) power tools. Unmodified plugs and matching outlets will reduce risk of electric shock.

-Avoid body contact with earthed or grounded surfaces, such as pipes, radiators, ranges and refrigerators. There is an increased risk of electric shock if your body is earthed or grounded.

-Do not expose power tools to rain or wet conditions. Water entering a power tool will increase the risk of electric shock.

-Do not abuse the cord. Never use the cord for carrying, pulling or unplugging the power tool. Keep cord away from heat, oil, sharp edges and moving parts. Damaged or entangled cords increase the risk of electric shock.

-When operating a power tool outdoors, use an extension cord suitable for outdoor use. Use of a cord suitable for outdoor use reduces the risk of electric shock.

-If operating a power tool in a damp location is unavoidable, use a residual current device (RCD) protected supply. Use of an RCD reduces the risk of electric shock.

## **PERSONAL SAFETY**

-Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication. A moment of inattention while operating power tools may result in serious personal injury.

-Use personal protective equipment. Always wear eye protection. Protective equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.

-Prevent unintentional starting. Ensure the switch is in the off-position before connecting to power source and/or battery pack, picking up or carrying the tool. Carrying power tools with your finger on the switch or energizing power tools that have the switch on invites accidents.

-Remove any adjusting key or wrench before turning the power tool on. A wrench or a key left attached to a rotating part of the power tool may result in personal injury.

-Do not overreach. Keep proper footing and balance at all times. This enables better control of the power tool in unexpected situations.

-Dress properly. Do not wear loose clothing or jewelry. Keep your hair, clothing and gloves away from moving parts. Loose clothes, jewelry or long hair can be caught in moving parts.

-If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used. Use of dust collection can reduce dust-related hazards.

## **POWER TOOL USE AND CARE**

-Do not force the power tool. Use the correct power tool for your application. The correct power tool will do the job better and safer at the rate for which it was designed.

-Do not use the power tool if the switch does not turn it on and off. Any power tool that cannot be controlled with the switch is dangerous and must be repaired.

-Disconnect the plug from the power source and/or the battery pack from the power tool before making any adjustments, changing accessories, or storing power tools. Such preventive safety measures reduce the risk of starting the power tool accidentally.

-Store idle power tools out of the reach of children and do not allow persons unfamiliar

with the power tool or these instructions to operate the power tool. Power tools are dangerous in the hands of untrained users.

-Maintain power tools. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tool's operation. If damaged, have the power tool repaired before use. Many accidents are caused by poorly maintained power tools.

-Keep cutting tools sharp and clean. Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.

-Use the power tool, accessories and tool bits etc. in accordance with these instructions, considering the working conditions and the work to be performed. Use of the power tool for operations different from those intended could result in a hazardous situation.

## **SERVICE**

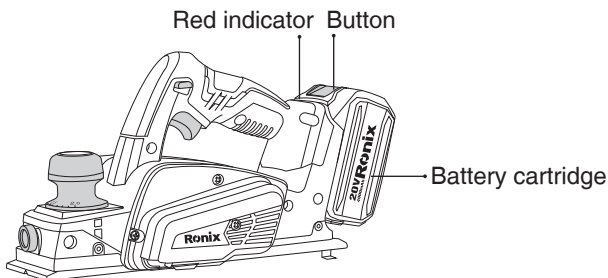
Have your power tool serviced by Ronix Service Center. This will ensure that the safety of the power tool is maintained.

## ADDITIONAL SAFETY RULES

- 1) Rags, cloth, cord, string and the like should never be left around the work area.
- 2) Avoid cutting nails. Inspect for and remove all nails from the workpiece before operation.
- 3) Be sure the blade installation bolts are securely tightened before operation.
- 4) Hold the tool firmly with both hands.
- 5) Keep hands away from rotating parts.
- 6) Before using the tool on an actual workpiece, let it run for a while. Watch for vibration or wobbling that could indicate poor installation or a poorly balanced blade.
- 7) Make sure the blade is not contacting the workpiece before the switch is turned on.
- 8) Wait until the blade attains full speed before cutting.
- 9) Always switch off and wait for the blades to come to a complete stop before any adjusting.

## FUNCTIONAL DESCRIPTION

### ■ INSTALLING OR REMOVING BATTERY CARTRIDGE



- Always switch off the tool before installing or removing of the battery cartridge.
- To remove the battery cartridge, slide it from the tool while sliding

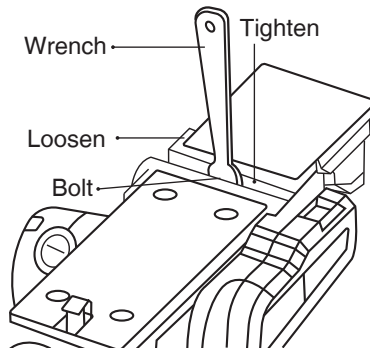
the button on the front of the cartridge.

- To install the battery cartridge, align the tongue on the battery cartridge with the groove in the housing and slip it into place. Always insert it all the way until it locks in place with a little click.
- Do not use force when installing the battery cartridge. If the cartridge does not slide in easily, it is not being inserted correctly.

## REMOVING OR INSTALLING PLANER BLADES

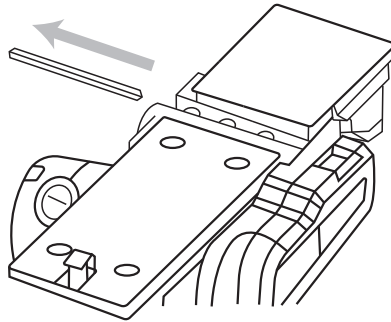
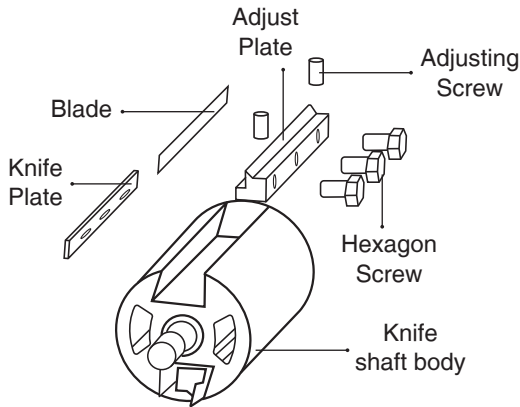
### ⚠ CAUTION!

- Tighten the blade installation bolts carefully when attaching the blades to the tool. A loose installation bolt can be dangerous. Always check to see they are tightened securely.
- Handle the blades very carefully. Use gloves or rags to protect your fingers or hands when removing or installing the blades.
- Use only the wrench provided to remove or install the blades. Failure to do so may result in over tightening or insufficient tightening of the installation bolts. This could cause an injury.



- 1) Turn off the machine and turn it upside down. If the machine is using, please carefully clean the cutter shaft surface. Use wrench to unbolt the screws.

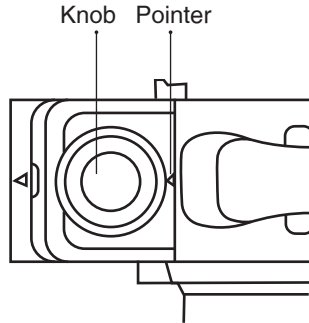




- 2) Remove the blade in the direction of the arrow in the picture.
- 3) Check whether the blade on the other side is sharp. If yes, turn the sharp side outward and remove the blade and install the blade in the opposite direction, If not sharp, need to replace the blade.
- 4) Tighten the three hexagon bolts and tighten them with a ruler. Check the distance between the blade and the ruler by rotating the cutter shaft on the rear base plate.
- 5) If the distance between the blade and the ruler is different, use the wrench to adjust the bolt until the blade is the same distance from the ruler.
- 6) Use the wrench to tighten the three hexagonal bolts and then rotate the cutter barrel to check and confirm the blade end is not in contact with the tool body.

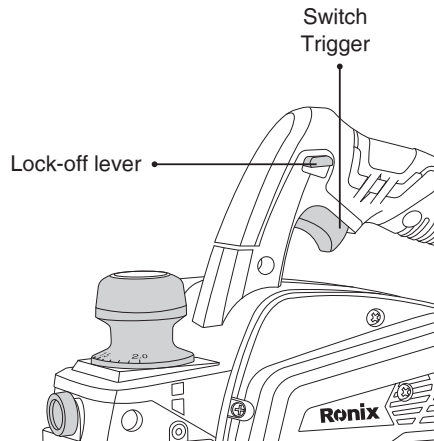
- 7) Finally check and confirm that the three hexagonal bolts have installed well.
- 8) Repeat the above procedure for the other blade

## ADJUSTING DEPTH OF CUT



Depth of cut may be adjusted by simply turning the knob on the front of the tool so that the pointer points the desired depth of cut.

## SWITCH ACTION



### **⚠ CAUTION!**

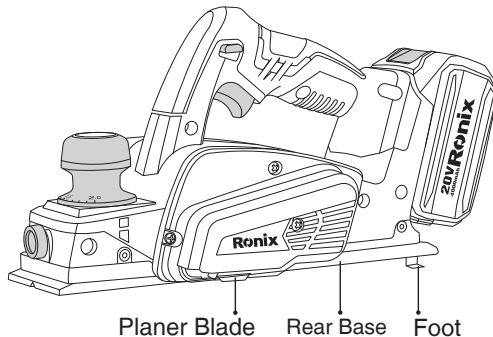
Before installing the battery cartridge into the tool, always check to see that the switch trigger actuates properly and returns to the

"OFF" position when released.

Do not pull the switch trigger hard without pressing the lock-off lever. This can cause switch breakage.

To prevent the switch trigger from being accidentally pulled, a lock-off lever is provided. To start the tool, slide the lock-off lever and pull the switch trigger. Release the switch trigger to stop.

## FOOT



After a cutting operation, raise the back side of the tool and a foot comes under the level of the rear base. This prevents the tool blades to be damaged.

## ASSEMBLY

### **⚠ CAUTION!**

-Always be sure that the tool is switched off and the battery cartridge is removed before carrying out any work on the tool.

## REMOVING OR INSTALLING PLANER BLADES

### **⚠ CAUTION!**

-Tighten the blade installation bolts carefully when attaching the blades to the tool. A loose installation bolt can be dangerous.

Always check to see they are tightened securely.

-Handle the blades very carefully. Use gloves or rags to protect your fingers or hands when removing or installing the blades.

For the correct planer blade setting

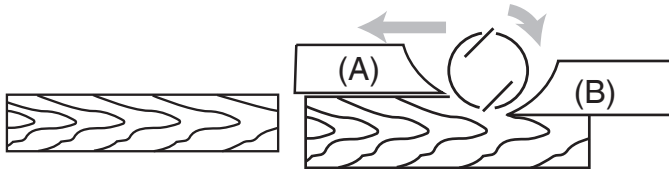
Your planing surface will end up rough and uneven, unless the blade is set properly and securely. The blade must be mounted so that the cutting edge is absolutely level, that is, parallel to the surface of the rear base.

Refer to some examples below for proper and improper settings.

(A) Front base (movable shoe)

(B)Rear base (stationary shoe)

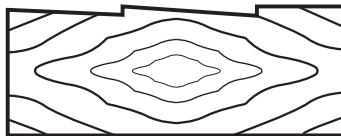
## CORRECT SETTING



Although this side view cannot show it, the edges of the blades run perfectly parallel to the rear base surface.

## NICKS IN SURFACE

Cause: One or both blades fail to have edge parallel to rear base line.



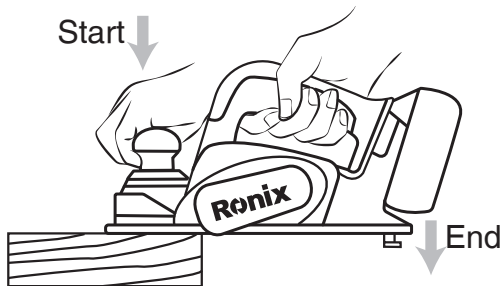
### **⚠ CAUTION!**

Hold the tool firmly with one hand on the knob and the other hand on the switch handle when performing the tool.

## OPERATION

Hold the tool firmly with one hand on the knob and the other hand on the switch handle when performing the tool.

### ■ PLANNING OPERATION

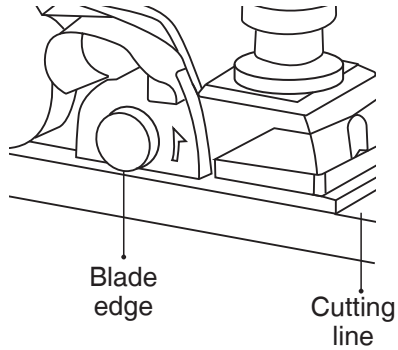


First, rest the tool front base flat upon the workpiece surface without the blades making any contact. Switch on and wait until the blades attain full speed. Then move the tool gently forward. Apply pressure on the front of tool at the start of planning, and at the back at the end of planning.

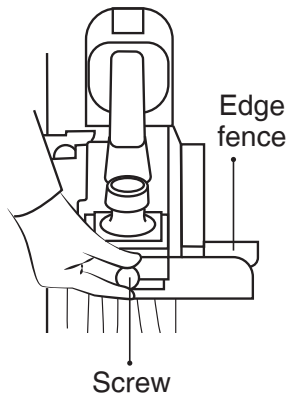
The speed and depth of cut determine the kind of finish. The power planer keeps cutting at a speed that will not result in jamming by chips. For rough cutting, the depth of cut can be increased, while for a good finish you should reduce the depth of cut and advance the tool more slowly.

### ■ SHIP-LAPPING (RABBETING)

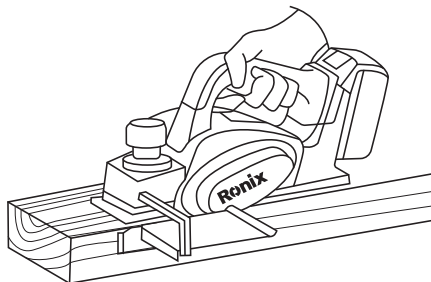
To make a stepped cut as shown in the figure, use the edge fence (guide rule) which is obtained as accessory.



Draw a cutting line on the workpiece. Insert the edge fence into the hole in the front of the tool. Align the blade edge with the cutting line.

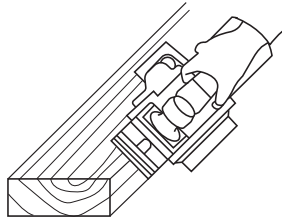
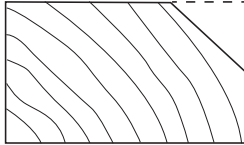


Adjust the edge fence until it comes in contact with the side of the workpiece, then secure it by tightening the screw.



When planing, move the tool with the edge fence flush with the side of the workpiece. Otherwise uneven planing may result. Maximum ship-lapping (rabbeting) depth is 9 mm.

## CHAMFERING



To make a chamfering cut as shown in the figure, align the "V" groove in the front base with the edge of the workpiece and plane it.

## MAINTENANCE

### **⚠ CAUTION!**

-Never use gasoline, benzine, thinner, alcohol or the like. Discoloration, deformation or cracks may result.



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