

# *Jigsaw Operator's Guide*

## *Installing Blade*

- Unplug the saw.
- Rotate orbital adjustment knob.
- Rotate the rapid change blade clamp so that the slot in the blade clamp is aligned with the slot in the blade support roller.
- Holding the blade clamp in place, insert the saw blade as far as possible into the slot in the blade clamp body and blade support roller.
- Check to make sure the back of the saw blade is centered in the slot of the blade support roller and blade clamp.
- Release the blade clamp. Make sure the blade is securely in place.

**NOTE: Check that the blade is inserted fully and completely secured. Blade will lock into position when correctly installed. Do not use the tool if the blade is not installed correctly.**

- Rotate orbital adjustment knob back to desired position.

## *To remove blade:*

- Unplug the saw.
- Allow blade to cool.
- Rotate the rapid change blade clamp so that the slot in the blade clamp is aligned with the slot in the blade support roller.
- Remove the blade.

## *Starting/Stopping The Saw*

To turn the saw ON, depress the switch trigger. Release the switch trigger to turn the saw OFF.

## *Lock-On Button*

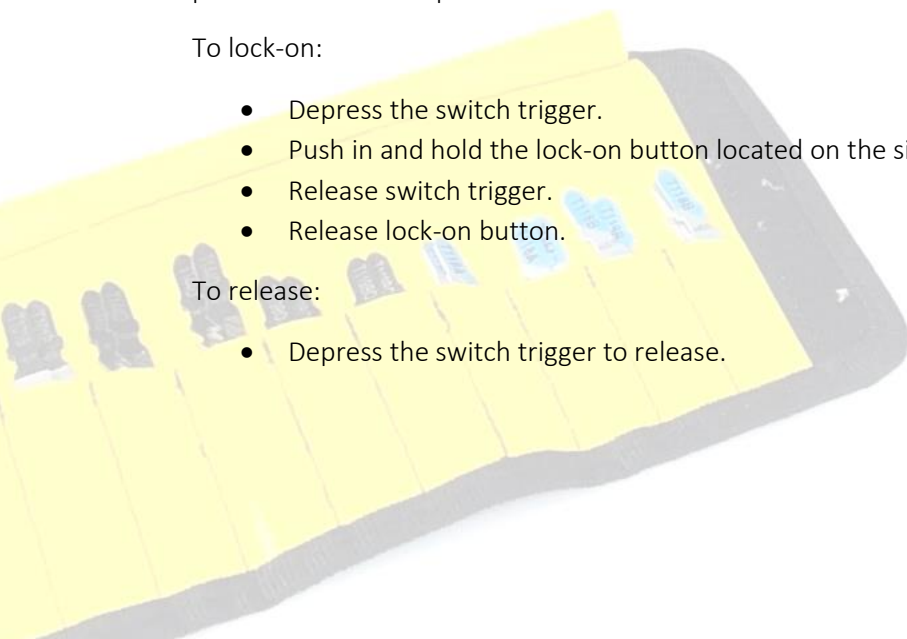
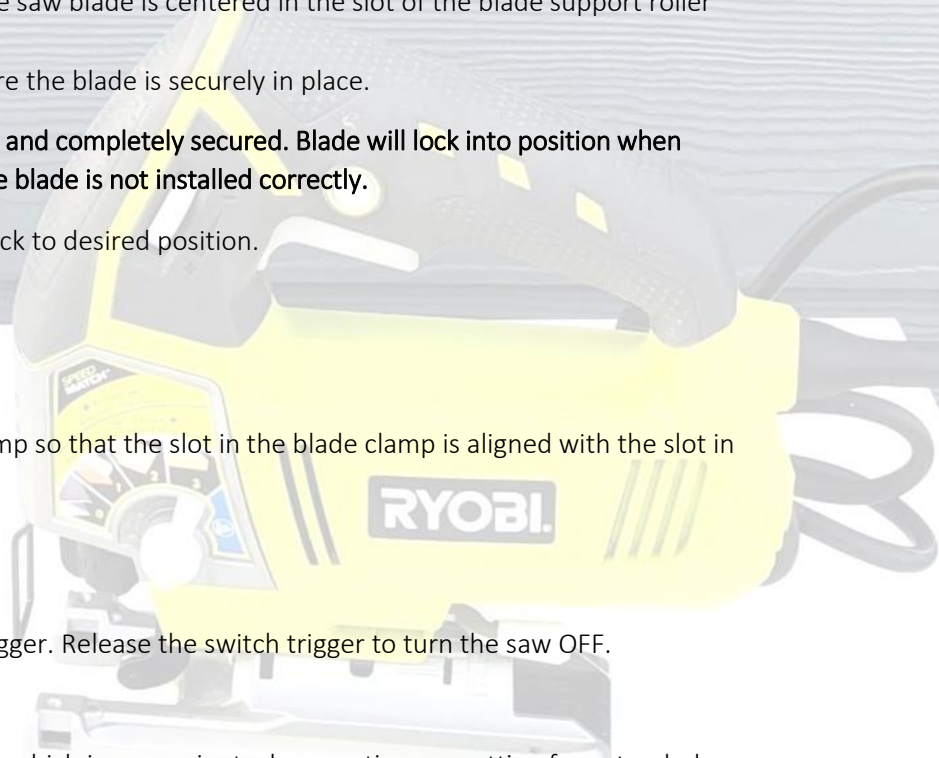
The saw is equipped with a lock-on feature which is convenient when continuous cutting for extended periods of time is required.

To lock-on:

- Depress the switch trigger.
- Push in and hold the lock-on button located on the side of the handle.
- Release switch trigger.
- Release lock-on button.

To release:

- Depress the switch trigger to release.



- If you have the lock-on feature engaged during use and the saw becomes disconnected from power supply, disengage the lock-on feature immediately.

**WARNING: Before connecting the saw to power supply source, always check to be sure it is not in lock-on position (depress and release switch trigger). Failure to do so could result in accidental starting of the saw resulting in possible serious injury. Also, do not lock the trigger on jobs where the saw may need to be stopped suddenly.**

### Variable Speed Control Selector

The saw has a variable speed control selector designed to allow operator control and adjustment of speed and power limits. The speed and power of the saw can be increased or decreased by rotating the variable speed control selector.

**NOTE: Hold the saw in normal operating position and turn the variable speed control selector to the positive ( + ) symbol to increase speed and power. Turn to the negative ( - ) symbol to decrease speed and power.**

If you desire to lock the switch on at a given speed, depress the switch trigger, push in and hold the lock-on button, and release the switch trigger. Next, adjust the variable speed control selector until the desired speed is reached

Avoid running the saw at low speeds for extended periods of time. Running at low speeds under constant usage may cause the saw to become overheated. If this occurs, cool the saw by running it without a load and at full speed.

The following guidelines may be used in determining correct speed for various applications:

**Slow** speed is ideal when minimum speed and power is required, for example, starting cuts.

**Medium** speed is suitable for cutting hard metals, plastics, and laminates.

**Max** speed produces best results when maximum power is required, for example, cutting wood. Soft metals such as aluminum, brass, and copper may also require high speeds.

**WARNING: Do not insert saw blade into air vents. They could come in contact with electrically live internal parts, and cause electrical shock resulting in serious injury.**

### Led Light

The LED light illuminates when the switch trigger is depressed to give you a clear view of the cut line on your work surface.

### General Cutting

Rest the front of the saw base on the workpiece and align cutting edge of the blade with the line on your workpiece.

Make sure the power cord is out of your way and not in the line of cut. Start the saw and move it forward on the work surface. Apply downward pressure to keep the saw steady and only enough forward pressure to keep the blade cutting.

Do not force the saw. Applying too much forward pressure to the saw may overheat the motor and break saw blades.

### Orbital Motion

The blade of the saw cuts in an orbital motion. This feature is adjustable and provides faster, more efficient cutting. With orbital motion the blade cuts through your work in the upstroke but does not drag across your work in the down stroke. To adjust the orbital motion, rotate the orbital adjustment knob to the desired setting.

**NOTE: Setting the orbital position to a lower setting will result in a smoother finish but slower cut. A higher setting will result in a rougher finish but faster cut**

## OPERATION

### Straight Cut

A straight cut can be made by clamping a piece of wood or straight-edge to the workpiece and guiding the edge of the saw against it. Make the cut from one direction only. Don't cut halfway and complete the cut from the opposite end.

**WARNING: To avoid possible serious injury, keep hands and fingers from between the gear housing and saw blade clamp, and keep the guard in place.**

**WARNING: Excessive side pressure to the blade could result in broken blades or damage to the material being cut.**

### Angle Cutting (Bevel Cutting)

Bevel cutting angles may be adjusted from 0° to 45° right or left. Angles for cuts from 0° to 45° in 15° increments are marked on a scale on both the left and right side of the base.

An arrow under the motor assembly provides an indicator at each of the above mentioned 15° increments. A protractor is recommended when accurate cuts are required.

- Unplug the saw.
- Unlock the base by moving the base adjustment lever forward.
- Slide the base forward to release it from the 0° detent position.
- Align the mark of the desired angle with the indicator arrow located on the housing.

**NOTE: For a 0° cut, slide the base back until it locks into the 0° detent position.**

- Once the desired angle is reached, tighten the base adjustment lever by moving it back under the motor assembly.

### Scroll Cutting

Scroll cuts can be made with the jig saw by guiding the direction of the cut with applied pressure on the handle.

NOTE: Tighter tolerance scroll cutting may require the use of a scroll cutting blade (not included).

### Plunge Cutting

NOTE: Use only a 7-teeth-per-inch blade for this type of cut.

**WARNING: To avoid loss of control, broken blades, or damage to the material being cut, always use extreme caution when making plunge cuts. We do not recommend plunge cutting on materials other than wood.**

- Mark the line of cut clearly on the workpiece.
- Set the orbit adjustment to “0”.
- Set the cutting angle at 0°.
- Tilt the saw forward so that it rests on the front edge of the base and blade will not come in contact with the workpiece when the saw is turned on.
- Make sure the blade is inside the area to be cut.
- Using high speed, start the saw and slowly lower the blade into the workpiece until the blade cuts through the wood.
- Continue lowering the blade into the workpiece until the base rests flat on the work surface, then move the saw forward to complete the opening.

### Metal Cutting

NOTE: The jig saw has to be in the no-orbit mode to cut metals and conduit. Set the orbital adjustment knob to “0.”

- Many kinds of metals can be cut with the saw using a metal blade. Be careful not to twist or bend the blades. Do not force. If the blade chatters or vibrates excessively, use a finer-tooth metal-cutting blade.
- If blade heats excessively, use lower speed.
- If blade teeth become filled or clogged when cutting soft metals, such as aluminum, use a coarser-tooth blade or lower speed.
- We recommend use of lubricant when cutting metals to keep blades cool, increase cutting action, and prolong blade life. Clamp the work firmly and saw close to the clamping point to eliminate any vibration of the work being cut.
- When cutting conduit, pipe, or angle iron, clamp work in a vise if possible and saw close to the vise.
- To cut thin sheet materials, “sandwich” the material between hardboard or ply-wood and clamp the layers to eliminate vibration and material tearing. By doing this, the material will be cut smoothly. Lay out your pattern or line of cut on top of the “sandwich.”

**NOTE:** When cutting metal, keep exposed portion of saw bar clean and free of metal chips by wiping frequently with an oily cloth. Use extreme caution in disposing of oily cloth after completion of job to prevent potential fire hazard.

### Adjustments

**WARNING:** Before performing any adjustment, make sure the product is unplugged from the power supply. Failure to heed this warning could result in serious personal injury.

### Tightening Base Adjustment Lever

The base adjustment lever may need occasional tightening.

- Unplug the saw.
- If attached, remove the vacuum attachment.
- Remove the base plate screws and base plate by removing the four base screws to expose the adjusting nut.
- Release the base adjustment lever by pulling it forward.
- Tighten the adjusting nut 1/4 of a turn in the clockwise direction.
- ☑ Engage the adjustment lever by pushing it back under the motor assembly and check the base for any movement.
- If the base is still loose, release the adjustment lever and tighten the adjusting nut another 1/4 of a turn. Repeat until the base is secure after engaging the adjustment lever.
- Reinstall the base plate and four base plate screws.

