

LASERKERF

Radial Arm Saw

Installation Instructions

Introduction

The retrofit Laserkerf is small enough to fit most radial arm and miter saws. The AC unit plugs into an outlet via a built-in transformer on a six-foot cord; the DC unit is powered by two AA batteries. The average life of the laser is 5,000 hours. The unit is attached to the saw with an adhesive strip on the back of the Laserkerf. Some saw models use mounting brackets to attach the unit to the saw, and a few require the owner to make a mounting bracket. (See www.laserkerf.com for installation instructions on particular saws.) The unit should be mounted 5 to 8 inches from the work surface. When used with a miter saw, the laser should be mounted behind the blade (see Figure 1). When used with a radial arm saw, the laser should be mounted in front of the blade (see Figure 2). Figure 1 shows the laser mounted with a bracket. The laser has a horizontal adjustment of +/- .25 inches and an angular adjustment of +/- 30 degrees.



Safety

1. Unplug your saw while attaching the laser, as you will be working with the guard open and close to the blade.
2. As indicated on the product label, **DO NOT** look into the laser when it is on.
3. Two cable clips are provided to secure the wire away from moving portions of the saw. **DO NOT** operate the saw with the cable hanging loose.

Figures 1 and 2 are examples of installation types. The actual installation will vary according to the model of saw.

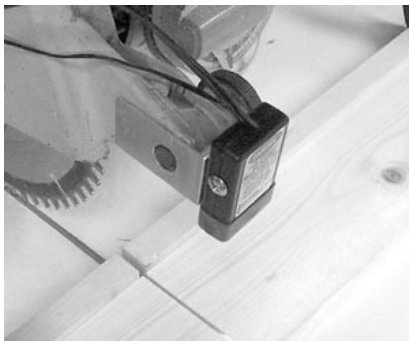


Figure 1. Mounted to the front of guard



Figure 2. Mounted on kickback



Figure 3. Mounted to right side kickback

For installation information on specific saws, visit www.laserkerf.com or call (859) 494-0790.

Warranty

Your Laserkerf is warranted against defects in labor or materials for six months from the date of purchase. For warranty service, call (859) 494-0790 for an RMA number, then send the unit prepaid with a copy of the sales receipt to Laserkerf, 669 Burton Pike, Georgetown, KY 40324. At our discretion, we will repair or replace the unit.

If you are not satisfied with the unit within 14 days of receipt, return it, with a copy of the sales receipt, for a full refund of the purchase price (excluding shipping and tax) if it is in normal operating condition.

If the adhesive included in the kit ever fails, we will send you another adhesive strip free of charge. Do not use another adhesive on the laser. The black rubber dust cover should last for many years in a chemically clean environment. If it should ever fail or become cracked, we will gladly send you another free of charge.

Laser alignment for radial arm saws

1. **Check on the laserkerf.com web site for installation information on particular saws.** The laser mounts in front of the blade on the upper guard of the radial-arm saw.
2. Make sure that the saw is aligned properly, per the owners' manual.
3. First clamp a block of wood 1.5in thick and 6in wide to the table in front of the blade.
4. Bring the saw out and cut a slot in the wood 3-4 inches long.
5. Unplug the saw.
6. Mount the installation bracket, if necessary, as specified for your saw.
7. Turn the laser on and place the laser against the mounting surface and point the laser into the slot.
8. The beam should be shine through the slot on to the saw table (see below). Use the angular adjustment to align the beam parallel and into the slot. You do not need to remove the rubber band to adjust the angle; simply push right or left on the top of the bump made by the adjustment knob. If the beam hits the side wall of the slot the beam is not directly above the slot.
9. Once you have determined approximately where the laser will be positioned. Clean the area with mineral spirits to remove any contamination. Allow the area to dry completely.
10. Remove the backing from the adhesive on the laser. Hold the laser at a slight angle to the mounting surface determined in step 7. Ground the bottom edge of the laser against the mounting surface, making sure the beam is illuminating the slot. Roll the laser completely against the surface. Press firmly for 10 seconds.
11. The horizontal adjustment is used to move the beam horizontally so that it is completely inside the slot.
12. The Laserkerf is now aligned to the blade.
13. Allow the adhesive to bond for at least 3 hours before the saw is used. The adhesive is very aggressive and will cure in 48 to 72 hours.
14. Before the saw is used make sure that the black rubber band completely covers the angular wheel and the slot on the back of the box.
15. Position one cable clip in the middle of the upper saw guard. Mount the other clip in the middle of the slide. Attach the wire to the cable clips. This will allow the wire to track with the saw as it is pulled in and out. Remove the backing from the tape on the switch and attach in a convenient location.



The assembly process is complete. Enjoy your Laserkerf for many years to come.