

# Instruction on Electric Rotary Cutter

## Caution

Please read these instructions carefully before using your electric rotary cutter. **Unplug the power cable from the power source before you perform any adjustment or maintenance on the cutter. Unplug the power cable when the cutter is not in use. You should handle your cutter with extreme caution because of the sharp blade. When using, make sure the cord is always behind the cutter.**

## Specification

Voltage: 110 V  
 Max. Cutting Thickness:  $\frac{5}{16}$ "  
 Power: 56 W  
 Weight: 1.9 lb

## Operation (See Figure 1)

Adjust the blade guard to "just above the fabric" to help prevent accidentally cutting the cord. Plug cord into an electric outlet (110V). Turn on the cutter by squeezing and holding the switch bar. Always start the cutter before contacting the fabric. Hold the cutter securely as you move steadily forward along your desired cutting path. **Practice on a piece of scrap fabric before using your cutter for the first time.**



Figure 1. Electric Rotary Cutter

## Blade Sharpening (see Figure 2)

1. Put one drop of machine oil on the surface of the sharpening stone.
2. Connect the power cable to an electric outlet (110V).
3. Squeeze and hold the switch bar with your left hand to turn the cutter on.
4. Use your finger to press lightly on the sharpener button with constant pressure for 5 seconds. The pressure should be large enough to keep the sharpening stone in continuous contact with the blade to obtain a sharp, uniform edge. Repeat this operation if the blade is not sharp enough. Note: Excessive sharpening will reduce blade life.



Figure 2. Blade Sharpening

## Blade replacement (see figure 3)

Replace the blade with a new one when the diameter of the blade becomes too small to meet the lower blade properly. Blade is sharp, use caution when handling.

1. Unplug the power cord.
2. Turn the oil-ear outward.
3. Insert the tail end of a  $\frac{7}{64}$ " diameter drill bit through the hole in the blade until it contacts the cutter head as shown in Figure 3A.
4. Turn the blade lock screw counter clockwise to loosen.
5. Push the lower blade up by using the index finger of your left hand, and take the worn blade out as shown in Figure 3B.
6. Push the lower blade up, and insert the new rotary blade in place. The flat side of the blade goes against the cutter head. Make sure the notches on the blade fit into the base.
7. Insert the tail of a drill bit into the hole in the blade, and tighten the blade lock screw.

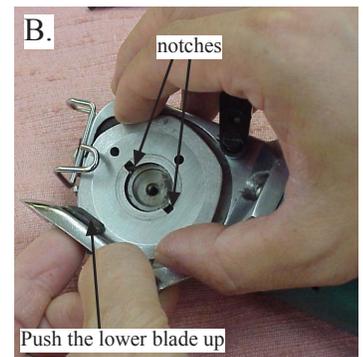
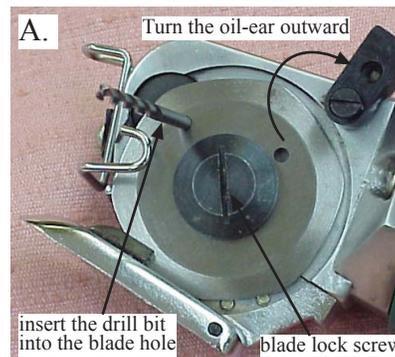


Figure 3. Blade Replacement

## Lubrication and Maintenance

1. Add a drop of machine oil in the hole on the oil-ear (see Figure 1) and oil hole "A" (see Figure 4) once a day if you use the cutter every day. Otherwise add a drop before every use of the cutter.
2. Inject a small amount of grease into the oil hole "B" (see Figure 4) once a month for occasional users, or once every two weeks for heavy use.
3. Clean and brush off any dust or dirt on back side of the blade and cutter bottom by taking the blade out once a week or whenever you see a dirt build-up.

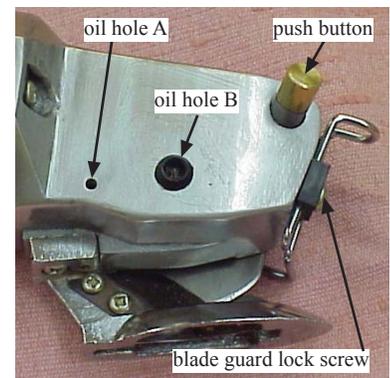


Figure 4. Lubrication

### Sharpening Stone Replacement

1. Unplug the power cord.
2. Take the blade out first as described in the Blade Replacement Section.
3. Remove the blade guard by unscrewing the guard lock screw (see Figure 4).
4. Unscrew the sharpening stone lock screw (see Figure 5) while tightly holding the push button (see Figure 4) on the opposite side of the cutter head. Replace the worn stone with a new one.
5. Tighten the sharpening stone lock screw while holding the push button.
6. Put the blade back as described in the Blade Replacement Section.



Figure 5. Sharpening Stone

### Motor Brush Replacement

If the motor does not run well, you may need to change the motor brushes. Motor brushes must be replaced when their length is less than 3/16".

1. Unplug the cutter from the power outlet.
2. Make alignment mark on the case and body as shown in Figure 6 for later reassembly. Remove the 3 case screws from the cutter case.
3. With one hand on the case and the other on the head, pull and twist the case off the body as shown in Figure 7.
4. Take the two brush holders out and check the brush length.
5. Change both brushes and brush springs if either brush is shorter than 3/16". (see Figure 8)
6. Use one hand to push the case back onto the cutter while using the other hand to push the two brush holders inside cutter body (see Figure 9). **Be sure to align the marks between the case and the cutter**, and tighten the 3 screws.

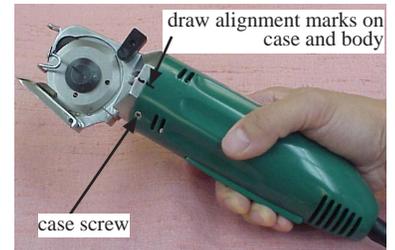


Figure 6. Mark the Case and Body



Figure 7. Take the Case Out

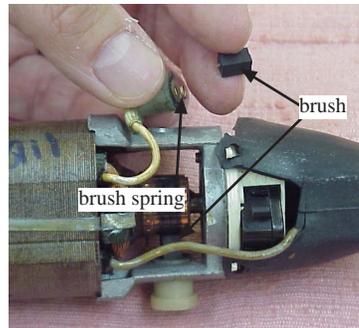


Figure 8 Brush and Brush Spring

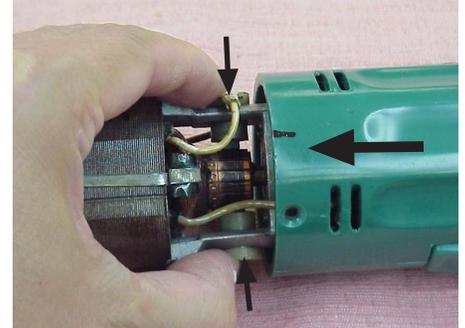


Figure 9. Push the Case Back

### Replacement of Coupling

Your cutter is equipped with a safety coupling to protect the motor. It is designed to break when cutter is over loaded or over heated so that the motor will not be damaged. Follow the steps below to change the coupling.

1. Unplug the cutter from the power outlet.
2. Take off the oil-ear by unscrew the oil-ear screw (see Figure 3).
3. Make alignment marks on the case and head as shown in Figure 6.
4. Unscrew the two cutter head screws and take the cutter head off (see Figure 10)
5. Take the worn coupling out and put the new one in (see Figure 11).
6. Put the cutter head back while making sure the cutter head shaft fits into the coupling.
7. Tighten the two cutter head screws.
8. Put the oil-ear back in place.

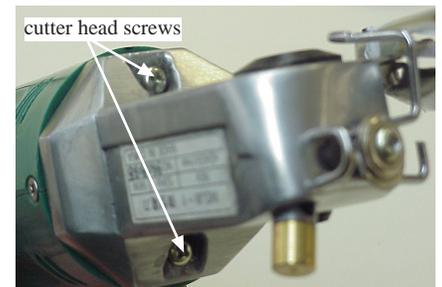


Figure 10.

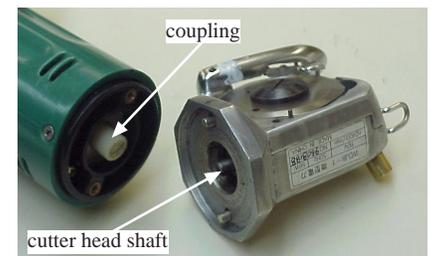


Figure 11.

### Warranty

3 month limited warranty against manufacturer defects of this precision tool. Abuse or dropping any portion of this tool will void the warranty.