



1341 W. 1st Street
Cheney, WA 99004 USA
509.235.9200/800.231.7896
Fax: 509.235.9203
www.northstarequipment.com

Wedgit!

Cutting Wire Assembly Instructions

November, 2016

TOOLS NEEDED FOR ASSEMBLY:

- 1.) Two 9/16" wrenches (Sockets, if available, will be faster and easier.)
- 2.) Standard Pliers.
- 3.) Wire Cutter or Electricians Pliers with wire cutter.
- 2.) Safety Glasses
- 3.) Gloves

IDENTIFYING THE PARTS

See Figure 1 to identify the parts required to install the cut wire on the wedging table. The majority of the hardware required to install the cut wire assembly has been pre-installed on the short and long uprights.

Do not remove the hardware located on each end of the short and long upright supports that contain the hooks for the cut wire. The wire hooks and associated hardware have been pre-assembled and do not require any adjustments.

Remove only the hardware used to mount the upright supports to the wedging table. This hardware is located on the lower two holes on each upright support away from the wire hook ends. Take special note of the spacer washers.

ASSEMBLY

The cut wire uprights can be mounted on any side of the wedging table as shown in Figure 2. The wire hooks on the long and short uprights must face each other. The bolt heads of the bolts supporting the hook assembly on both uprights should be facing outward. See Figure 3.

Fig. 1

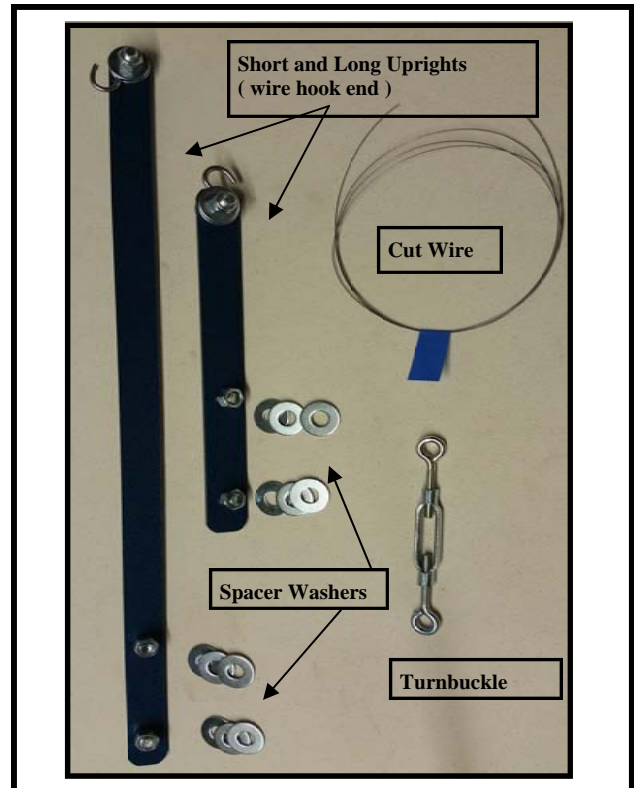


Fig. 2



ASSEMBLY

Step 1. Remove bolts, lockwashers, and nuts from the two holes indicated on both legs as shown in figure 4. This is where the cut wire uprights will be mounted on each leg. You will not be reusing this hardware.

Step 2. Using the longer bolts that came with the installation kit, mount the short upright to the table leg. Place a bolt through the upright and then place the three spacer washers on the bolt before pushing the bolt through the leg as shown in figure 5. Repeat for the other bolt hole.

Place a lock washer and nut on each bolt and tighten. The spacer washers are used to keep the required distance between the edge of the wedging table and the uprights. The completed assembly should resemble Figure 6.

Step 3. Repeat step 2 for the long upright on the adjacent leg, noting that the wire hook on the long upright must face the wire hook on the short upright. See Figure 3.

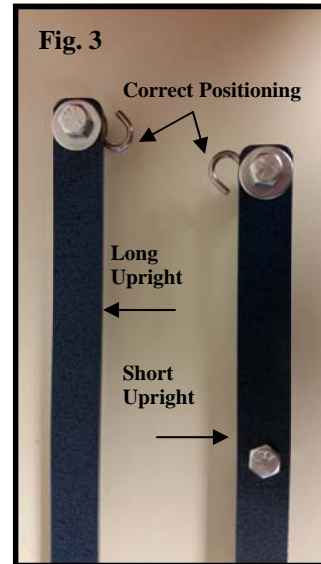
INSTALLING THE CUT WIRE

Wear safety glasses and protective gloves while installing the cut wire.

The cut wire included in the installation kit is a high tensile strength music wire and should not be substituted with any other type of wire. Replacement cut wires are available from North Star.

Step 1. Loop the cut wire around the the short upright hook as shown in figure 7. Position the wire so that one end extends about 6 - 8 inches from the main wire length. This will be referred to as the wrapping or short end.

Step 2. While holding the main wire length taut, wrap the short end tightly around the main wire 3-4 turns as shown in figure 8.



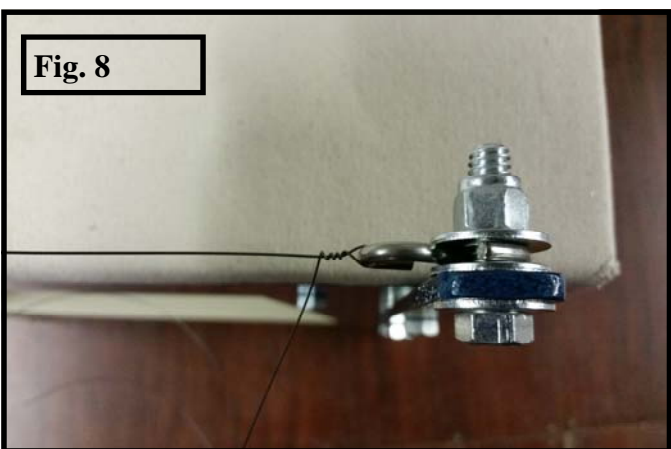
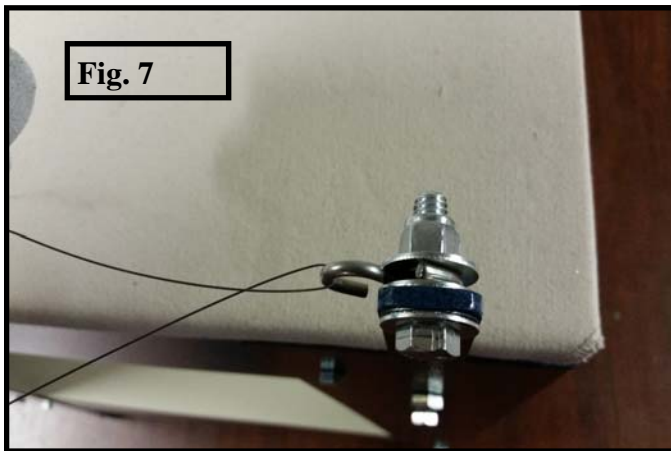
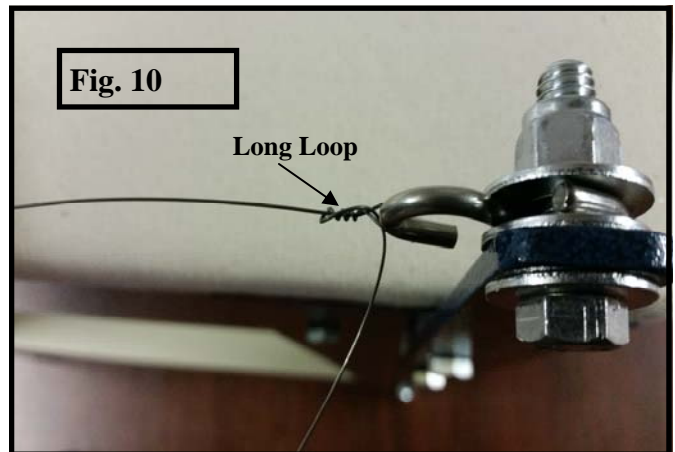
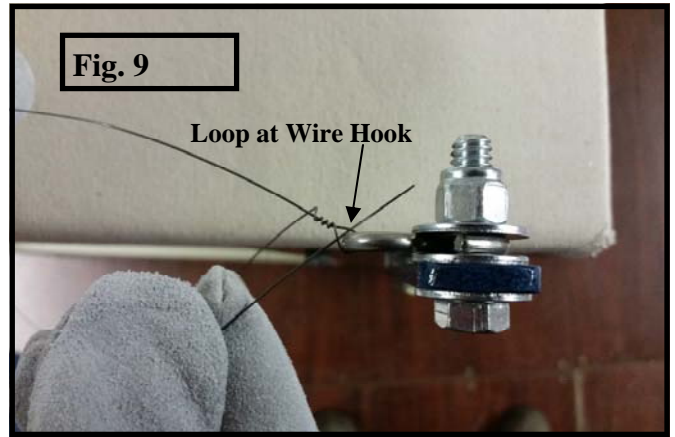
INSTALLING THE CUT WIRE CONTINUED

Step 3. Push the end of the wrapping wire through the loop formed at the wire hook, see Figure 9.

Pull tight and form a long loop as shown in Figure 10. Compress this loop with a pair of pliers, so that the loop lies flat against the initial series of turns that was formed in step 2.

Step 4. Now wrap the short end over the long loop that was just formed, moving away from the wire hook. Continue wrapping in this direction, ending with 2-3 wraps around the main wire. See Figure 11.

Step 5. Using a pair of wire cutters, cut the remaining length of the wrapping end close to the main wire. With pliers, bend the cut off tip of the wire so that it lies in line with the main wire. See Figure 12.



INSTALLING THE CUT WIRE CONTINUED

Step 6. Lengthen the turnbuckle by screwing both looped ends to almost the end of their travel. There should be a considerable opening between the two threaded ends showing in the main body of the turnbuckle. This step sets the maximum turnbuckle adjustment distance to tighten the cut wire. **Do not skip this step.** See Figure 13. One looped end of the turnbuckle has left handed threads and will adjust opposite compared to the other.

Step 7. Slip one looped end of the adjusted turnbuckle on the wire hook of the long upright. See Figure 14.

Step 8. Loop the free end of the the cut wire through the other loop in the turnbuckle and repeat steps 1 thru 5 to secure the cut wire. While securing this end of the cut wire, make sure you maintain constant tension on the main wire. Do not let it sag.

ADJUSTING THE CUT WIRE TENSION

Step 9. Adjust the cut wire tension by turning the main body of the turnbuckle. Hold the loop of the turnbuckle where the cut wire is attached. This keeps the cut wire from twisting. **DO NOT OVER TIGHTEN.** The wire hook mechanism on each upright was designed to slightly deflect if too much pressure is placed on the cut wire. The wire should be tight enough to cut stiff clay without too much deflection of the wire. Over tightening can cause breakage of the wire. Tightening of the cut wire may be needed after initial use.

