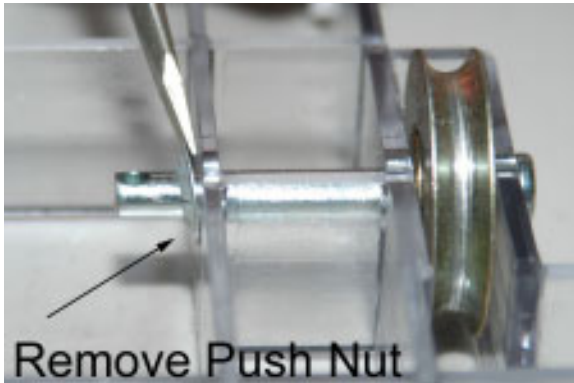


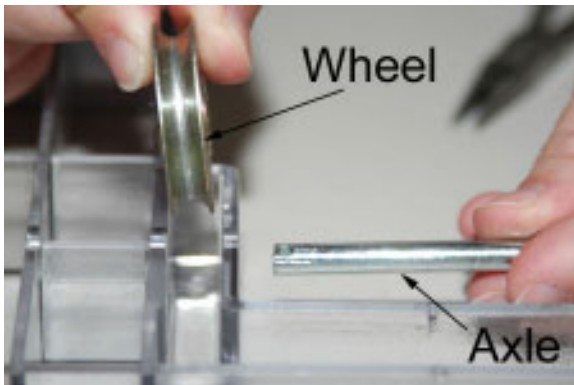
## Installation of Optical Encoders for the HandiQuilter frame

**STOP! Read all the instructions and study the pictures before starting.**



### Step 1:

Turn over the top carriage and remove the push nut from the REAR LEFT axle. With the carriage turned over, this will be on the rear right. You may need a screwdriver or pliers for removal.



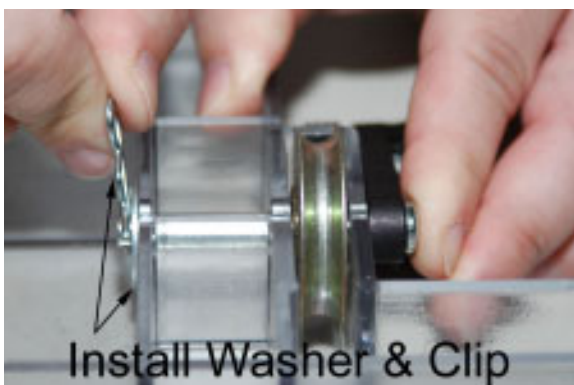
### Step 2:

Pull out the axle and lift out the wheel.



### Step 3:

Slide the encoder arm on the axle as shown. The encoder wheel should be closest to the carriage.



### Step 4:

Place wheel as shown and slide axle back through the hole. Install washer and clip. The encoder arm should swing freely about the axle. If it is tight, remove the clip, take out the washer, then replace the clip.

## Installation of Optical Encoders for the HandiQuilter frame

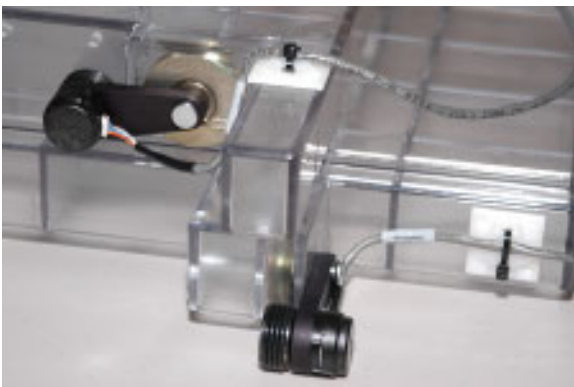


### Step 5:

Repeat Steps 1-4 for the rear **LEFT** wheel of the **BOTTOM** carriage. When complete, the encoders should look like the picture at left.

### Step 6:

Install the wiring harness by plugging the small white connectors on the harness into each of the encoders. Either plug will fit into either encoder. The orange wire should be on the **BOTTOM** as shown in the picture.



### Step 7:

Remove the backing from the square strain relief pads and place them as shown (or in another suitable location if you have other accessories that would interfere).

### Step 8:

Using the enclosed wire ties, strap each of the encoder wires to the strain relief pads. Please look at the picture at left.

### Step 9:

Place your carriages back on the rails and check to see that the encoder wheels rotate as you move the carriages forward-to-back and side-to-side.