

Twist-Tie Gun Repair Guide
Last revised: 9/13/16 (AS)

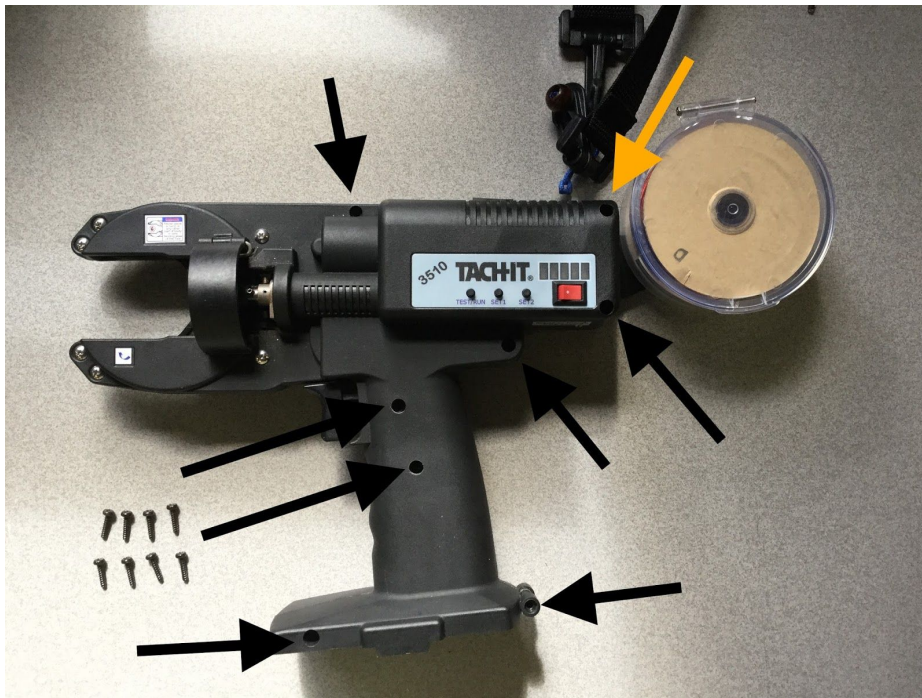
1. Turn the unit off and remove battery



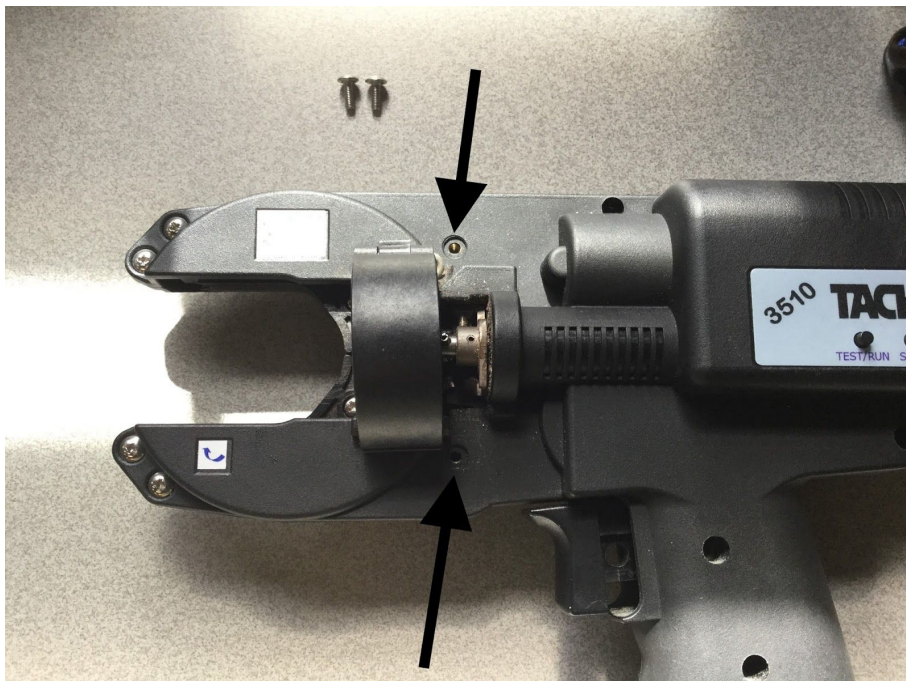
2. Remove material from the gun by cutting it between the back of the gun and the spool, and pushing it toward the *front* of the gun. Do NOT pull it backwards out of the gun as this will put undue wear on the rollers.



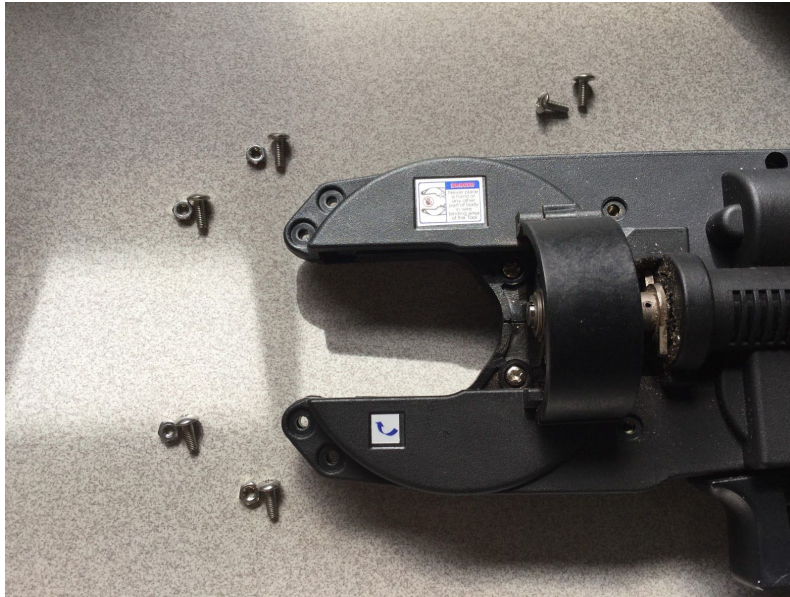
3. Remove the eight, black screws that hold the frame together.



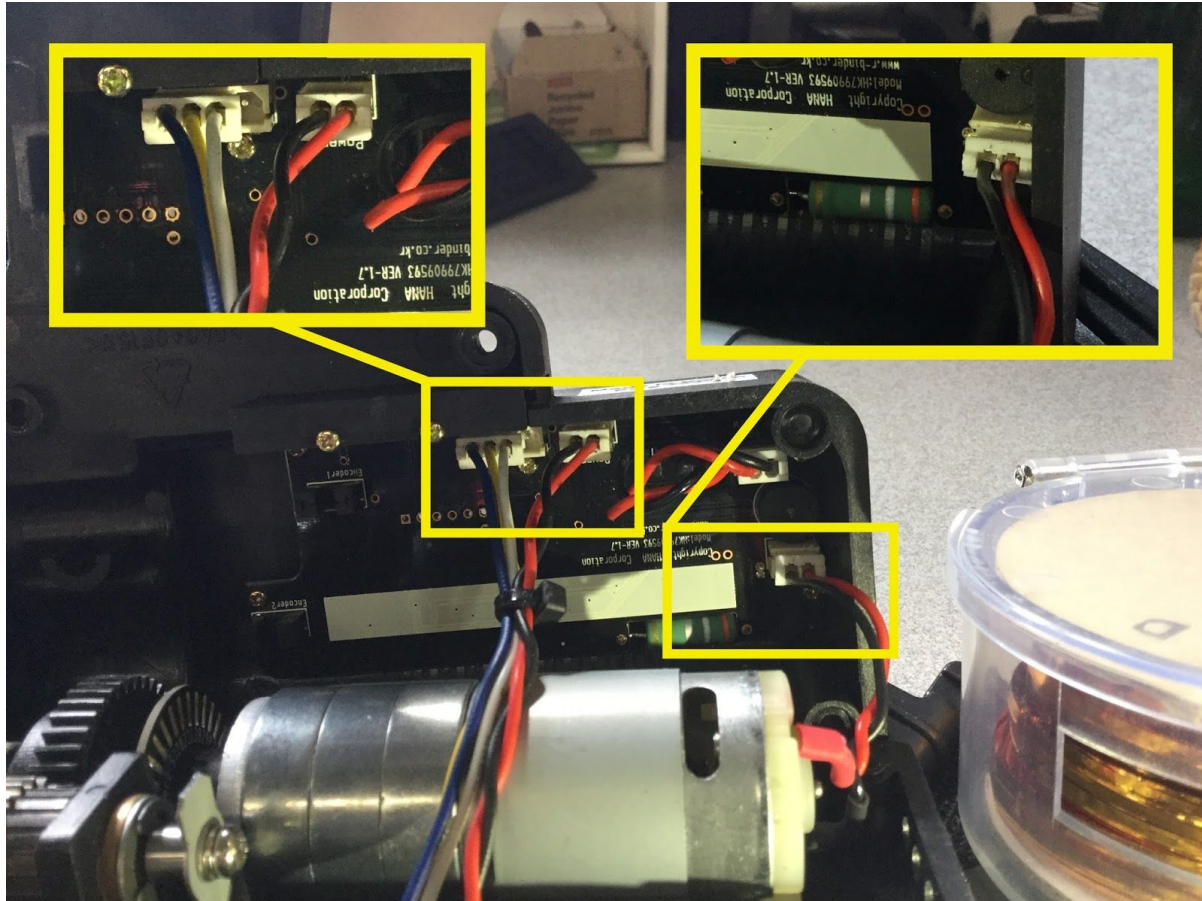
4. Remove the two, silver screws that are behind the twisting propeller.



5. Remove the four, silver screws that are on the very front of the gun, two on top, two on bottom. Note that there are nuts on the back side that will fall to the table when the screws come out.

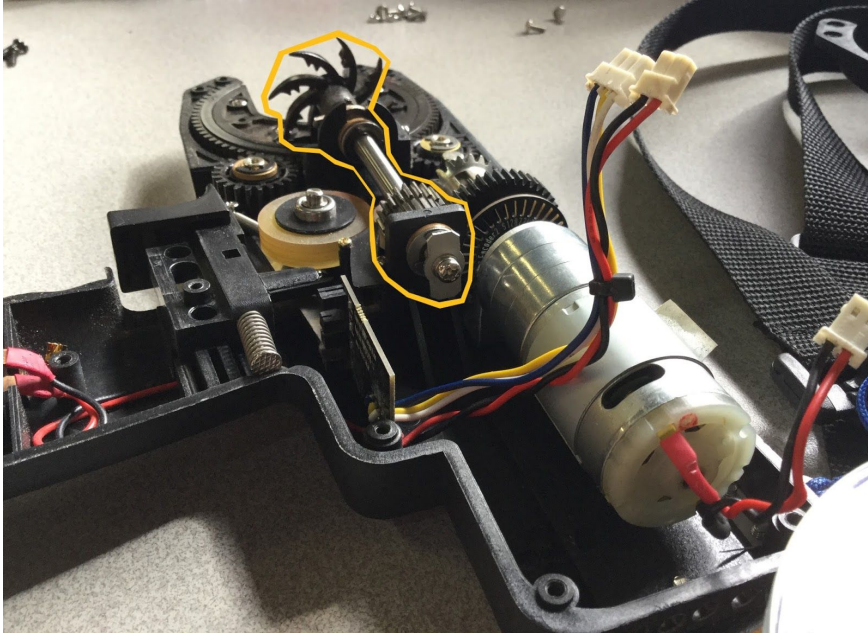


6. Unplug the three connectors from the top half of the shell. Take note of the orientation, and that the three-way connector (blue, yellow and white wires) is plugged into the left side of the mating connector. When re-installing, you should see an exposed pin directly to the right of the connector.

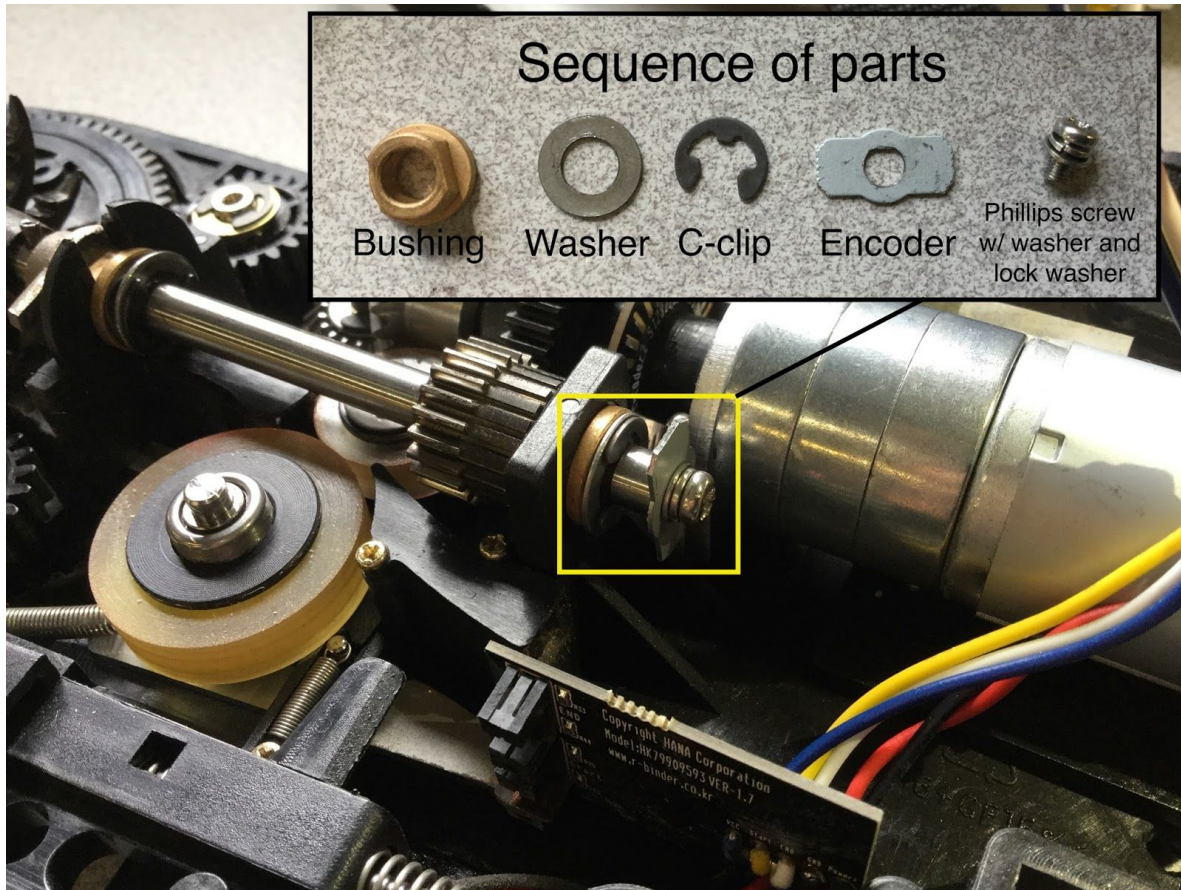


(Steps 7-9 involve the removal of the propeller shaft)

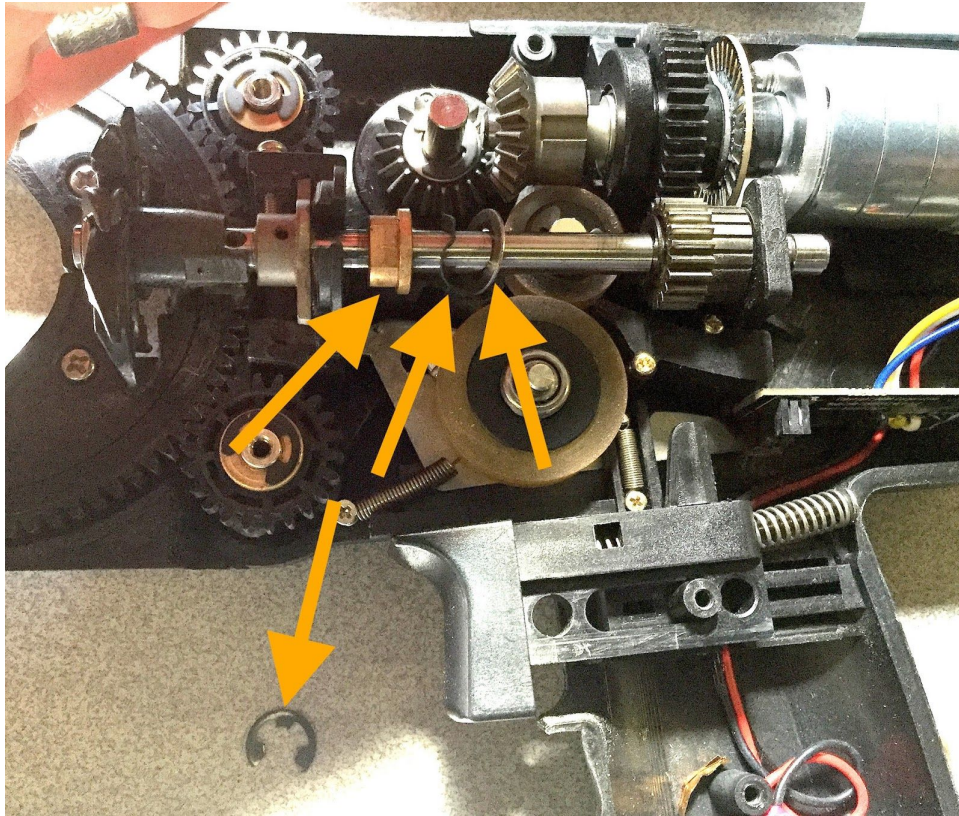
7. Some jams will require you to remove the shaft that spins the twisting propeller. First, locate the shaft.



8. Remove the screw at the rear of the shaft, take of the encoder, use a flat head screwdriver to remove the c-clip, remove the washer, and push the brass bushing towards the rear to pull it off. (Note that the encoder is “keyed” with a flat side on part of the inside circle that goes onto the shaft. When putting the encoder back, make sure the flat sides match up with each other. IT IS VERY IMPORTANT THAT THE ENCODER IS NOT BENT. IF IT IS, THE GUN WILL NOT WORK PROPERLY)

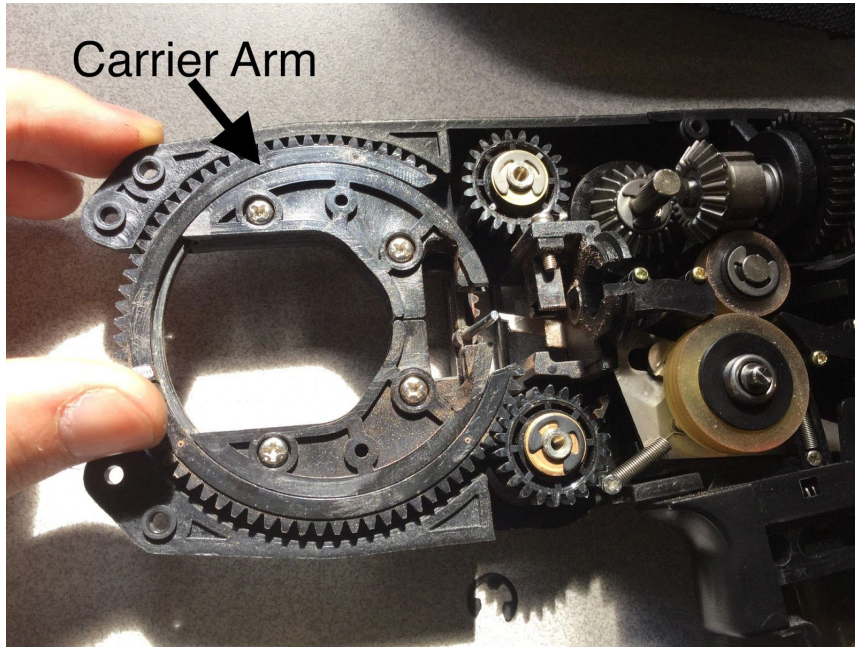


9. There are four items that hold the front of the shaft in place. In order, from rear to front, there is a c-clip, washer, wave spring washer, and brass bushing. Remove the c-clip, and move the other three items towards the rear.



(Steps 10-12 involve the circular, carrier arm)

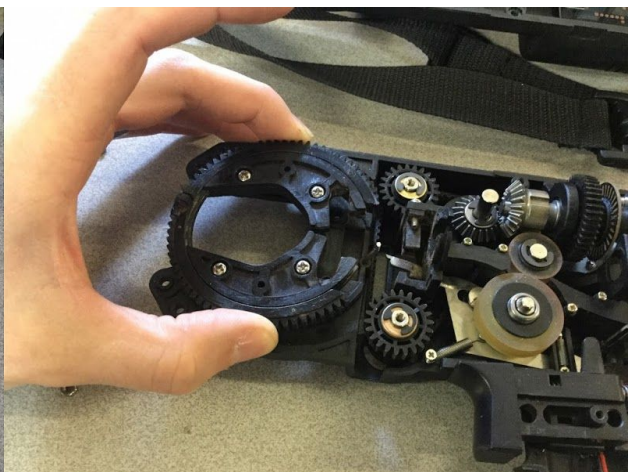
10. Under normal, functional circumstances, if you depress the trigger, you will hear a “click” and be able to spin the circular carrier arm for one rotation, clockwise.



11. Sometimes a wire or other piece of debris will jam inside the circular carrier arm and/or cause it to come off of its track. If this happens, remove the four screws that hold the carrier track in place. Note that the track is comprised of two pieces (top and bottom) and that there are nuts on the other side of the screws. Note that the longer ones are towards to rear of the gun, and the shorter ones are towards the front of the gun.



12. To put the carrier arm back, tip the two halves of the track slightly towards each other, put the screws in place (remember that the longer ones are towards to rear of the gun, and the shorter ones are towards the front of the gun) and fit the carrier arm around them. Then set this assembly back into its place on the gun, and slide the track halves into position so that the screws come through the other side. Drive the screws back into the nuts. Test the carrier to make sure it works (see step #10)



13. After replacing the carrier arm and propeller shaft (Reverse of steps 7-9), prop the gun upside down, resting against your body on the edge of your work bench. Place the top of the body flat on the table, perpendicular to the half that is resting against you. Reconnect the three plugs (See step #6), and then replace the screws (See steps 3-5). Feed some material into the gun and test it to make sure it is functioning properly.

