



Arrow Vane Replacement

This guide will show how to remove a broken arrow vane and replace it with a new one.

Written By: Alexandria Null



INTRODUCTION

This guide will show how to remove a broken arrow vane and replace it with a new one.

TOOLS:

- [Fletching jig](#) (1)
- [Fletching glue](#) (1)
- [Acetone](#) (1)
- [Paper Towels](#) (2)
- [Pocket knife](#) (1)
- [Q-Tips](#) (2)

PARTS:

- [Arrow vane](#) (1)

Must be the same size and brand as your other vanes.

Step 1 — Arrow Vane



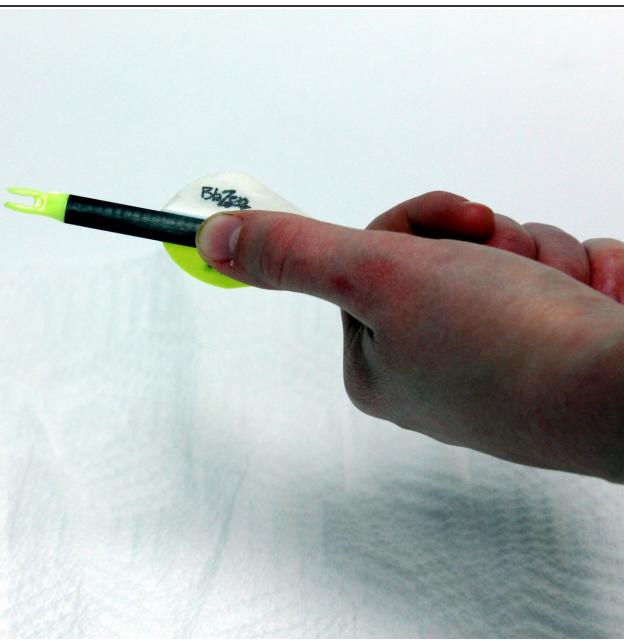
- Gather all supplies needed to refletch the arrow.
- Be sure the fletching jig is the correct jig for the amount of vanes on the arrow. The fletching jig in the following images is a three vane fletching jig.
- Lay down one of your paper towels where you plan to work.

Step 2



- Identify which vane is broken.
- If you can gently pull off the broken vane, do so, then proceed to step two. If not proceed to step two.

Step 3



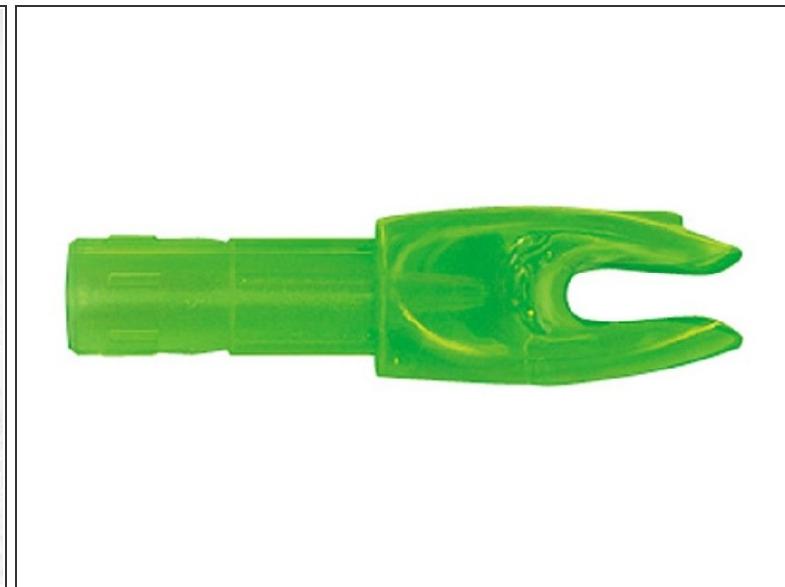
- Use a pocket knife to scrape off the broken vane and glue.
- Be sure to hold the blade away from you, at a 45 degree angle from the arrow.
- Periodically check the arrow, by rubbing your finger on the surface of the arrow, to see if all the glue has been removed.
- If all the glue has been removed the arrow will be smooth. If the glue hasn't been removed completely, your finger will feel small raises on the arrow.

Step 4



- Apply acetone to a paper towel and rub it on the area where the vane was removed.
- Be sure the paper towel is sufficiently soaked with acetone. If the acetone isn't rubbed on enough, the grease from your finger will cause the new vane to fall off.
- Be sure not to touch that part of the arrow you just cleaned for the rest of the process.

Step 5



- Put the arrow, nock first, into the fletching jig.
- Twist the nob on the fletching jig so that the missing vane is on top.
- If twisting the nob properly, the arrow will turn with you as you twist.
- The second picture is an example of what a nock looks like.

Step 6



- The supplies needed for this step are the following. The clamp, new vane, acetone, paper towel, q-tip, and fletching glue.
- Be sure to have all supplies close at hand.
- Glue dries fast, so you need to work at a quicker than normal pace. Don't work so fast that you mess up, but try to work swiftly when working with the fletching glue.

Step 7



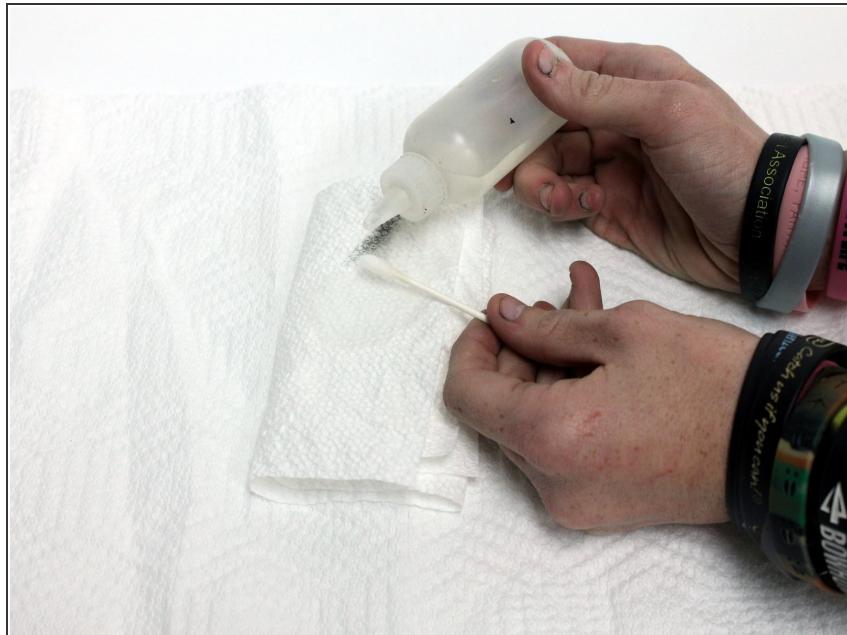
- Put the vane in the clamp, lined with the correct line on the clamp.
- With a three vaned arrow, the proper placement is usually the 3rd or 4th line on the clamp.

Step 8



- Put the fletching jig clamp onto the fletching jig and slide it down evenly onto the arrow.
- Make sure the vane is even with the other vanes.
- If all vanes are even, continue to Step 9. If not, be sure to line up the new vane with the existing vanes.

Step 9



- Remove the clamp from the fletching jig; without taking the new vane out of the clamp.
- Be sure your paper towel is under you. Take a q-tip and pour acetone on the cotton part.

Step 10



- Wipe off the bottom of the vane with the acetone soaked q-tip.
- Let dry for 1 minute.

Step 11



- Apply a thin amount of fletching glue to the arrow vane.
- Be sure to not use too much. If there is too much glue, the vane will have a hard time staying in place.

(i) Excessive glue causes an off-weight arrow. Therefore, if there is too much glue, your arrow won't fly correctly.

(i) The second image in this step is an example of how much glue you should use.

Step 12



- Put the fletching jig clamp back onto the fletching jig and slide it down evenly onto the arrow.
- Let dry for 10 minutes.

Step 13



- When dry, remove clamp from fletching jig by holding the clamp open and lifting upward.
- Remove arrow from the fletching jig and place a small drop of glue at the top and the bottom of the new arrow vane.

Step 14



- Place arrow in a vertical position with the vanes at the top for maximum drying effect.
- Let dry for 3-5 minutes.

Step 15



- After the vane has finished drying; check to see if the vane is on correctly and straight. If so, the vane was properly replaced. If not, refer back to step 1 and start over.
- If the vane is fixed, you may apply a small amount of acetone onto another q-tip and wipe off any excessive glue. Be sure not to wipe the new arrow vane.

To reassemble your device, you must finish the instructions.