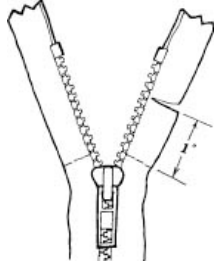


Shortening Zippers

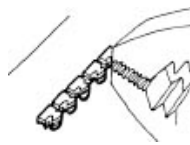
Always shorten separating zippers at the top. Make sure that the zipper pull is BELOW where you make the cut. To prevent fraying, sear any raw edges of the zipper tape before installing the zipper.

Molded Tooth Zippers

1. Mark the zipper at the length that you want. Cut off both sides 1" above the mark, but do not discard the pieces.



2. To reduce bulk remove the teeth above your shortening mark. Teeth can be broken off with a variety of tools: nail clippers, tin snips, and pliers. Be sure not to cut into the fabric.



3. Tops Stops

Plastic – They can't be saved.

Metal – Pry them off of the pieces that you cut off and reinstall them immediately above the remaining tooth by crimping them on with pliers.



OR

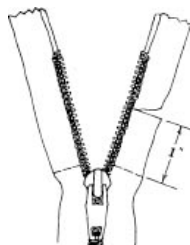
Fold the toothless 1" of zipper tape **sharply** over the last remaining tooth toward the back. Baste it with a few stitches until sewing the zipper in. Tight folds with no gap after the last tooth will help keep the zipper pull from coming off.

OR

Ribbon, such as Grosgrain could be wrapped around the top of the zipper tape on each side to create zipper stops.

Coil Zippers

1. Mark the zipper at the length that you want. Cut off both sides 1" above the mark.



2. Fold the last inch under and back toward the side. Pin or stitch several times to hold it, and sew it in. This works especially well for tent applications.

OR

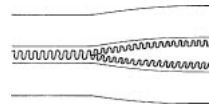
Using small clippers of scissors, snip through the coils on the last inch of the zipper tape, being very careful not to cut into the fabric. Pull out the remaining fragments. Position the last few coils under the presser foot and set a zigzag stitch wide enough to span the coils. Set the stitch length very short. Stitch repeatedly over a 1/8" area, creating your own zipper stop. Finish by setting the width and length to zero and stitching several times in place.



Installing Zipper Pulls on Continuous Zipper Tape

Non-locking Pulls

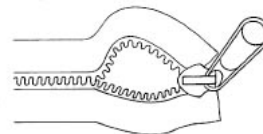
1. Trim up ends of zipper tape. Separate about 1-1/2" of the zipper tape.



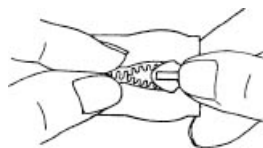
2. Insert one half of the zipper tape into one side of the zipper pull.



3. Bend the other side of the tape around and insert it into the other side of the pull at a 45-degree angle. Position so that both sides are even and about 3/4 of the way through the zipper pull.



4. While holding the pull in one hand, gently push the zipper tape into it with the other hand. Be sure the ends of the zipper tape are even when pushing the zipper pull on.



Locking Pulls

Same as for Non-locking Pulls except you must perform Step 4 while simultaneously lifting the zipper pull's tab. This "un-locks" the pull and allows it to slide.

Two Pulls

Repeat Steps 1 through 4 on the other end of the zipper tape and slide the pulls together in the middle.

Reversible Coil Zipper

You must start with the correct side of the pull facing up. Carefully compare the square end of the pull with the zipper tape. The side of the pull with the pronounced "shoulder" should be on the same side as the visible coils.

Proceed through Step 4.



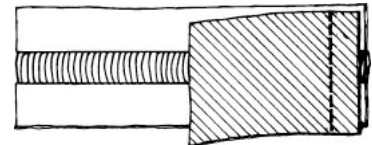
Decrease Bulk at the Zipper Tape Ends

1. Trim zipper tape 1-1/2" shorter than required length. Sear End.

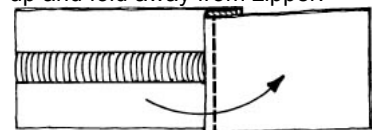
2. Make zipper end piece by cutting a piece of fabric 2" x width of zipper tape. Sear raw edges if applicable.

3. Install zipper pull(s) prior to finishing ends.

4. Place right side of zipper end piece on right side of one zipper tape end, matching ends. Stitch with a 3/8" seam allowance.



5. Flip fabric over stitch line right side up and fold away from zipper.



6. Topstitch once or twice near folded edge sewing through both the fabric and the seam allowance underneath.

7. Repeat steps 1-6 for other end of zipper tape if applicable.

8. Install zipper into your project according to instruction incorporating zipper end pieces into seams.

NOTE – Zipper end pieces can also be made with twill tape, Grosgrain ribbon, or Webbing instead of fabric. Sear ends.