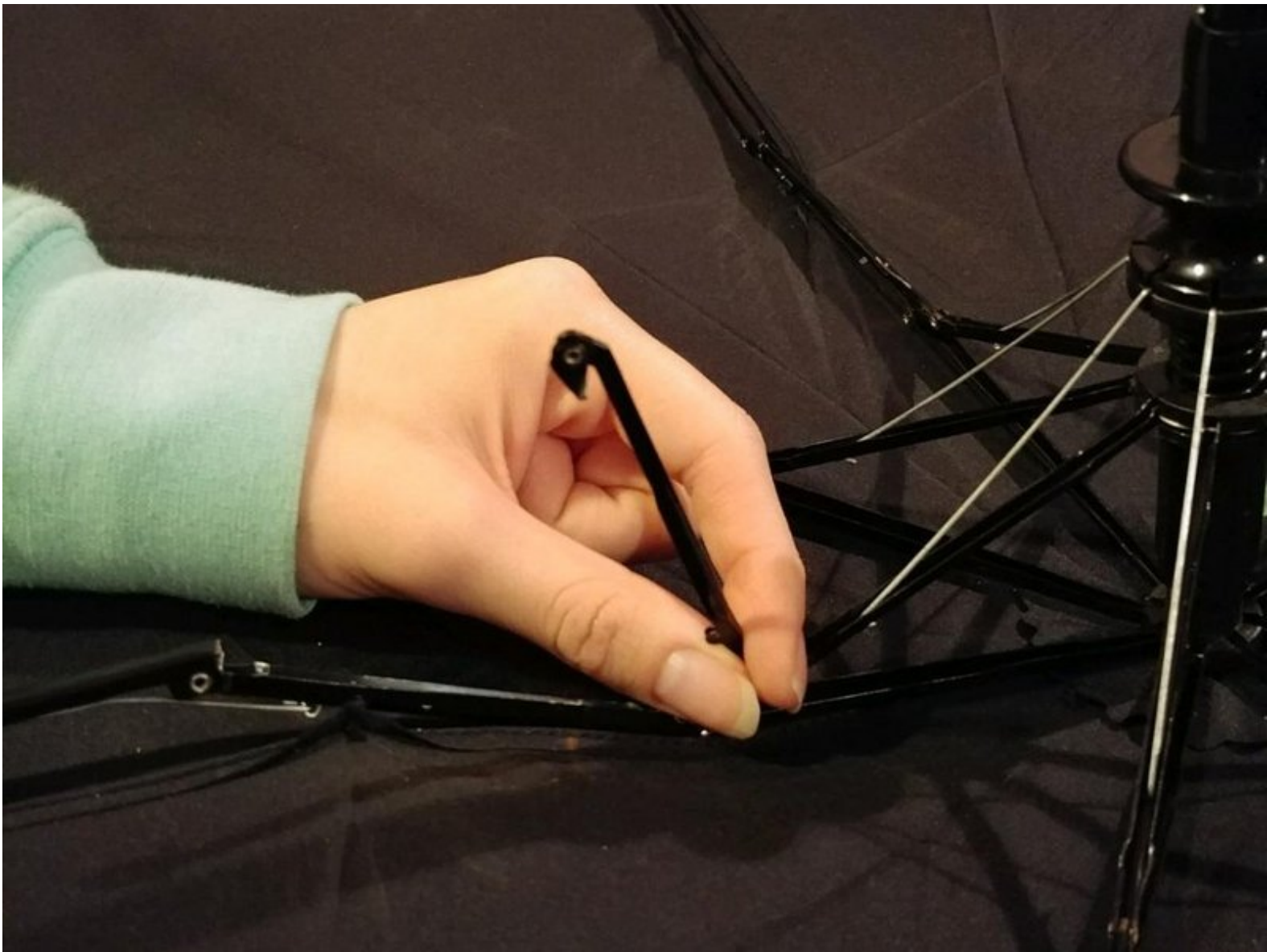# Umbrella Stretcher to Rib Joint Repair

How to repair a broken connection between umbrella rib and stretcher, as well as patch a small hole in the canopy.

Written By: Rodrigo Soliva

INTRODUCTION

A really windy day can break an umbrella. In some cases, a joint will break, disconnecting the stretcher from the rib. You will be using a needle and thread in order to replicate the function of the joint that held the stretcher and the rib together. In addition, this guide will also cover how to sew a small rip on the canopy.
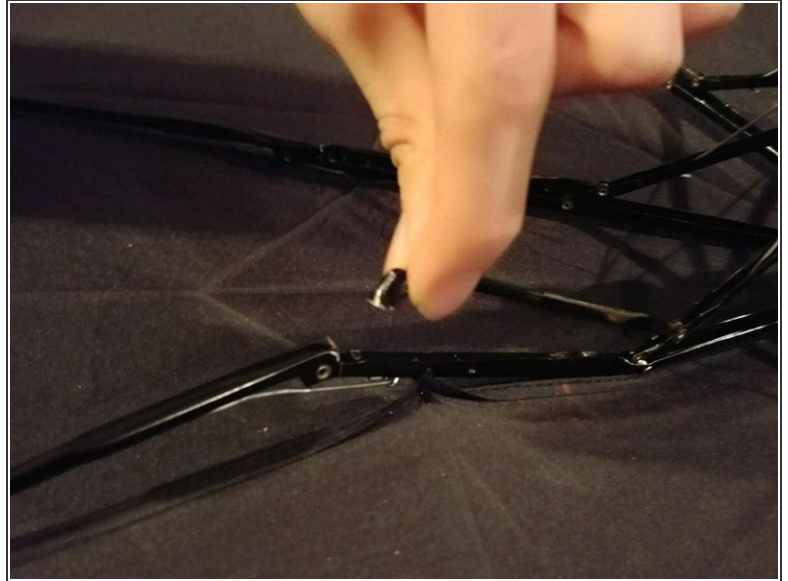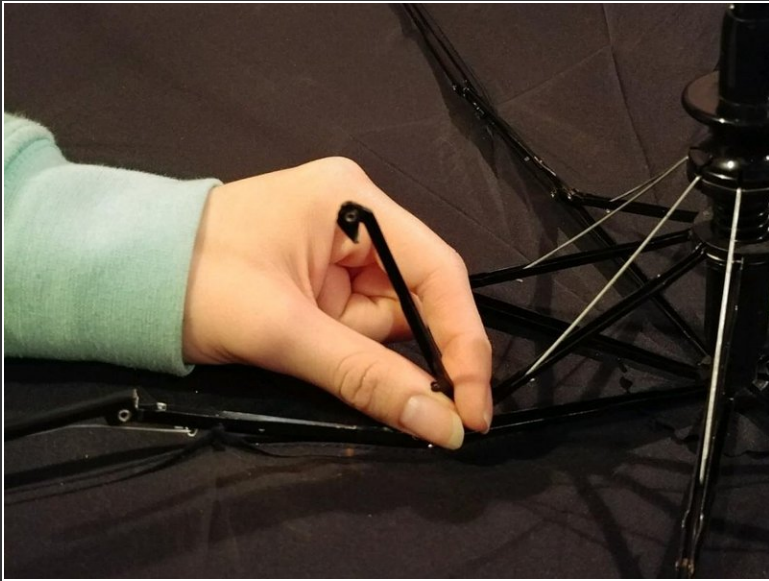
🔧 TOOLS:

- Sewing Needle (1)
- Upholstery Thread (1)

Any thread will do, but the more durable the thread, the better.

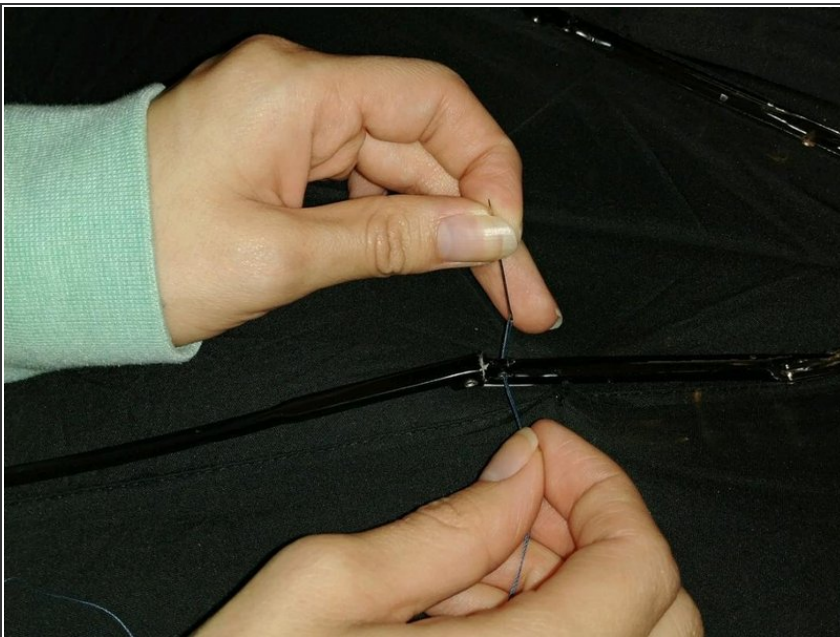This document was generated on 2019-09-18 11:31:57 AM (MST).

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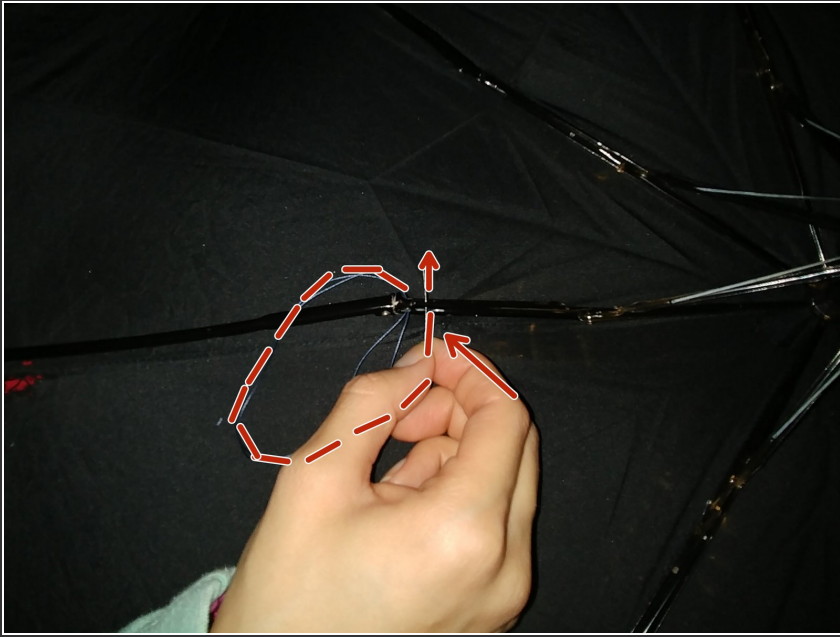## Step 1 — Umbrella Stretcher to Rib Joint Repair

- Take the broken part of the stretcher to rib joint.

- Realign it with the rib assembly.

Step 2

- Take the needle and carefully pass it through one of the holes as seen in the picture.

- Then pull it back to the same side you went through.

Step 3

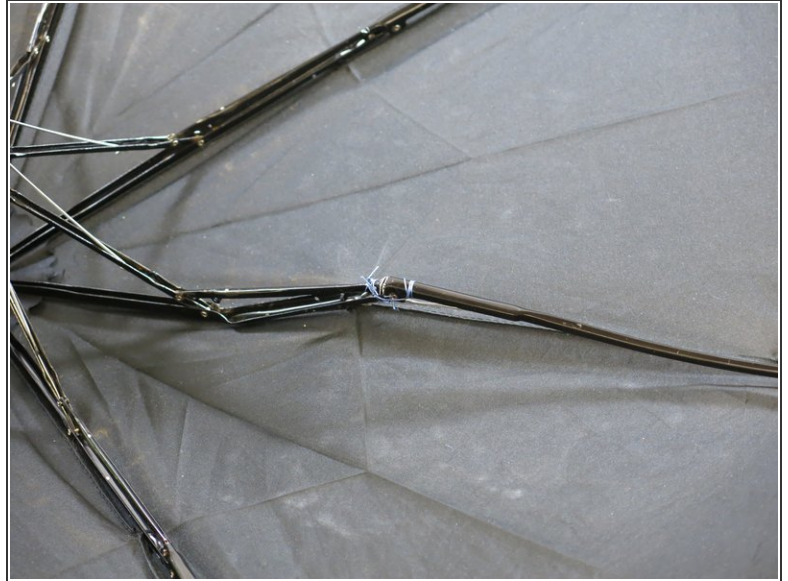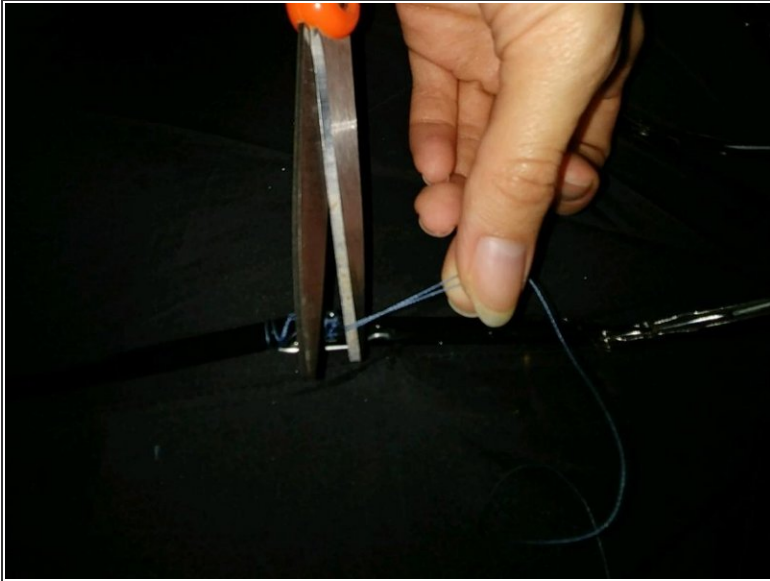- Take the needle and pass it under the stretcher (not through the middle).

Step 4

- ⓘ **Position the needle so that it faces the second hole from the same side you just went through in step 3.**

- Take the needle and pass it through the second hole.

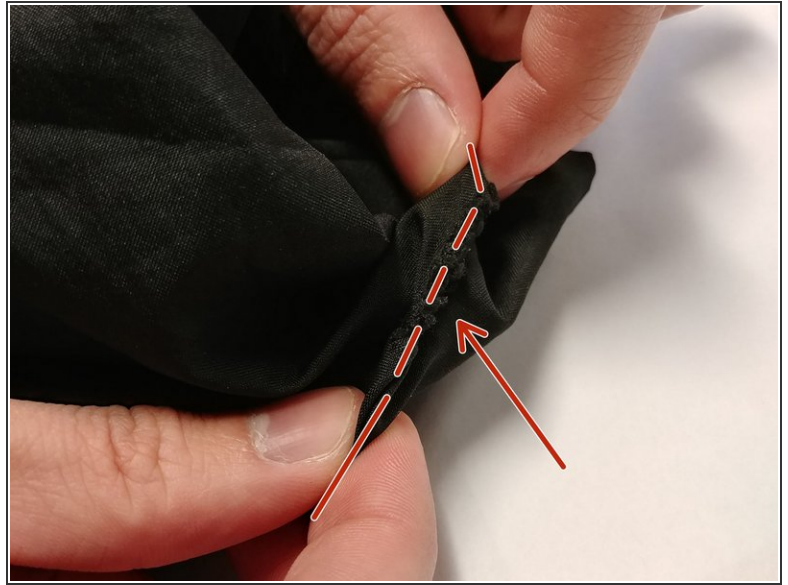- Then position the needle so that it faces the first hole from the same side you just went through.

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Step 5

- Repeat steps 2-4 until the two pieces are held tightly together.

- Tie a knot to secure it.

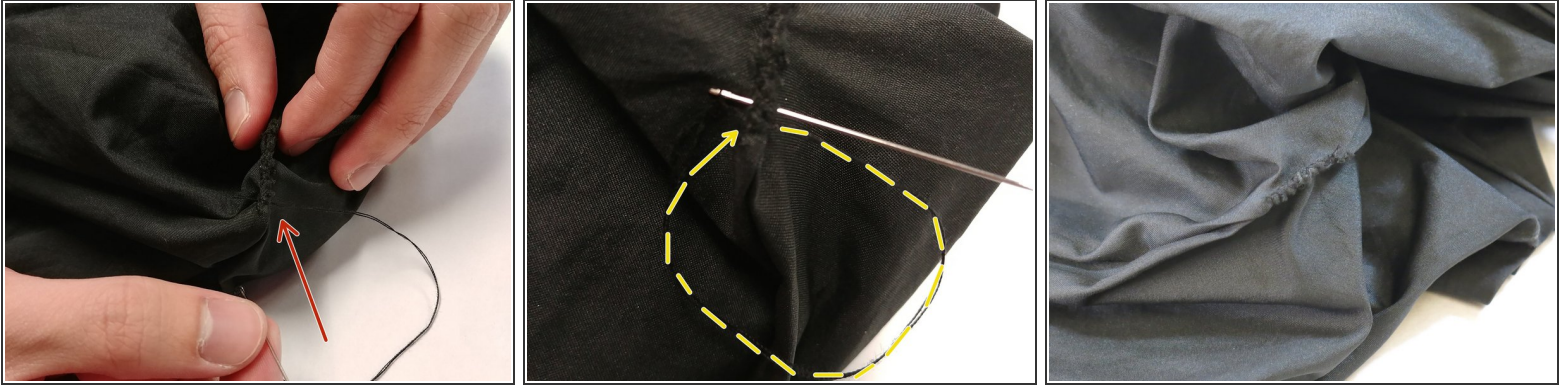 (i) **Refer to step six if the rib punctured the canopy.**

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Step 6

ⓘ **It is easier to sew when the canopy is closed**

● Take the hole, hold each end and pull outward into a line.

 ⓘ **Make sure that it is in line with the umbrella canopy seam.**

● Take the needle and thread and form a hemming stitch (see Step 7).

Step 7

- Begin with a threaded needle and start the stitch at one end of the hole and pull the needle all the way until just before the thread runs out.

- Then loop back around and go through again.

- Repeat until you reach the other end.
  - (i) **You can form the stitch multiple times to make it more secure.**

The umbrella is fixed now, you may now use the umbrella freely.