

## **INFLATABLE CHAMBER'S REPAIR – LARGE DAMAGE**

**Tools: Cutter or scissor, Heat gun or Hair Drier, Measure tape, Pen**

**Clearer: MEK or Methyl Hydrate**

**Material: PVC Patch, PVC Glue, Small Blush**



### **STEP 1:**

**Proper clear up the Repair Area, if the cut is over 1/2 inch, the repair patches should be from inside and outside.**



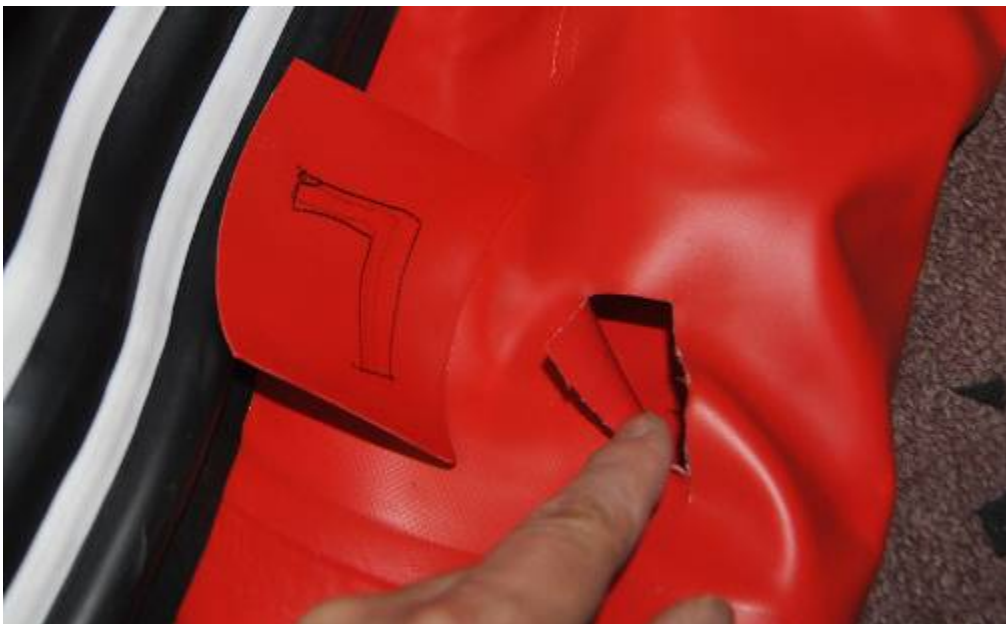
**STEP2:**

**If the cut was too small, enlarge the cut to be about 1x 1.5 inch; Make an inner patch for about 2.5x3.5 inch**

**You can inflatable the related chamber(s) or the boat a little bit to get the best position for repair.**



**Draw a damage draft on the patch; make sure all edges of the patch are over 1 inch to the cut line (Min half inch).**



**STEP3:**

**Use a small brush to apply the glue on the patch for about 2-3 layers.**



**Wear a cloth material glove and use the finger to apply glue for inner chamber,**



**Apply 2 3 layer glue for inner surface, please make sure give at least one inch to any edges of the cut.**



**STEP 4:**  
**Use heat gun the let the glue dry well.**



**Heat up all surface as well**



**STEP5:  
Put the patch into the chamber through the cut**



**Use your finger to check surface dry out. Be careful when slide in the material.**



**Locate the pen market and let it match the cut**



**STEP6:**

**Put the boat in the flat surface; deflate the boat or chamber(s) to help the patch contacting the chamber well.**

**Use heat glue and push hard to let the patch attach well. Better result is to get no air bubble on the patch.**

**Make sure the chamber won't stick together; when you feel the patch is done in well, inflatable the boat to check the leaking.**

**If you can not finish well on this step, you may need to start over by making a new patch.**



**Now you can make an outside patch to get the best result.**

**STEP7:**

**Use ruler and tape to locate the service area. Cut the outside patch at the right size; Outside Patch should be double side of inner patch.**



**Inflatable the boat and Paint the glue on both surfaces. Give extra glue if not enough; make sure the outside patch can have well contact on the chamber.**





**Use heat gun and give pressure to let it stay well and no air bubble at the middle.**



**Stay the boat indoor for at least 5 Days to let the glue dry, don't pack the boat or deflate the chamber in this period. It may cause chamber stick together. Chamber is only inflated to 1 PSI. You can re-inflate the chamber after 24 hour to change the air inside. It will be better for the glue drying out.**



**If you can't apply the outside patch in some case, using marine sealant from West Marine or Home Depot to seal the cut seam will be the 2<sup>nd</sup> solution.**