



Swift Canoe & Kayak

## Patch Repair Instructions

Please read all instructions thoroughly. If you have ANY questions prior to starting your repair, please call the factory at 866-386-1881 to discuss before you start working.

**It is best to work in a warm, dry environment; it is strongly recommended to avoid doing repairs using resin on a wet/rainy day. The resin has shelf life of 4-6 weeks.**

*\*When working with composite repair materials we suggest you do not work in direct sunlight as this will cause the materials to cure much more quickly.*

### **This kit contains:**

- 1 tongue depressor
- Can of vinylester resin
- Liquid hardener
- Latex gloves
- 120 grit sandpaper
- Mixing cup
- Patch Material\*
- Peel-ply

\*Patch material will be Kevlar or Fiberglass depending on the construction of your canoe/kayak

### **You will also need:**

- Disposable 1" wide paint brush with synthetic bristles
- Disposable organic vapour face mask

### **Preparing repair area:**

- Using the sandpaper provided "scuff-up" the area on the interior of the canoe to be patched.
- Also sand about 1" around area to give the resin something to adhere to.
- Make sure area is clean and dust free before moving on the next steps

### **Prepare resin:**

- It is best to wear latex gloves when working with the resin and hardener. If you do happen to get the hardener on your skin wash immediately under cold water for 10-15 minutes.
- Pour resin into the paper cup until it is about  $\frac{3}{4}$  full and then mix in approximately 45 drops of hardener.
- Use the tongue depressor to thoroughly mix the resin and hardener.
- Once mixed together, you have approximately 10 minutes\* of working time before the resin begins to gel up. Make sure all your materials are ready and nearby. \* *Working times will vary depending on conditions. 10 minutes is approximate - please be prepared.*

### **Applying patches:**

- Try to angle the boat so that the area to be patched is horizontal. This lessens the chance of the resin running.
- Lay the Kevlar/Fiberglass patches in the correct areas. Using your paint brush, begin brushing resin on to the patches. Make sure that they are thoroughly soaked with resin.
- Lay the peel ply over your resin soaked patches.
- Using your paint brush with a small amount of resin "stick" the peel-ply to your patches and work out any air pockets using your brush. Leave about a 1" border around the peel-ply dry and resin free.
- Leave the peel ply on for an hour or until the resin has fully hardened.
- Pull the peel-ply off using the dry 1" border.
- Let the repair completely cure for 24 hours.
- Lightly sand any areas where the resin is sharp.

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