

DIY+ repair kit - Item List

1 oz tube of Seam Grip – to fix faulty valves and fix tears in leading edges and struts

1 brush tip – attaches to Seam Grip tube for spreading glue

1 brush – for spreading Seam Grip glue

1 plastic business card – for spreading Seam Grip glue

20' of fiberglass tape – to be used with Seam Grip glue to fix leading edges and struts

1 sharpie marker – for marking damage on bladders

1 bladder patch kit of Type A Tear-Aid (5-3/4"x3"; with 3 alcohol wipes)

60"x2" Dacron repair tape - white

60"x2" Dacron repair tape - black

5 zip ties – to fix loose hoses on single pump inflation systems

4 alcohol wipes – for cleaning kites before repairing

1 pair of 5" scissors – for cutting repair tapes

1 roll of masking tape – for holding damaged pieces together and protecting the kite from excess glue.

Canopy Repairs

Most canopy repairs can be repaired with the Dacron repair tape included in this DIY kit and don't require the use of Seam Grip and Drywall tape. *If at all possible stick with the Dacron tape for canopy repairs for the following reasons:*

- (1) Seam Grip and Drywall tape will change the stretch in the canopy.
- (2) Seam Grip and Drywall tape create wear points since together they don't flex like the rest of the canopy.
- (3) Seam Grip and Drywall tape are very permanent, you only get one shot at doing it right.
- (4) Dacron tape can be easily removed should you decide you want a professional sewn repair.

The "Dacron tape fix" steps are for using Dacron tape to repair canopy damage. If your canopy damage is so extensive that you have no other option than to use the Seam Grip and Drywall tape please skip to the instructions for "Drywall tape and Seam Grip".

1 - Dacron tape fix

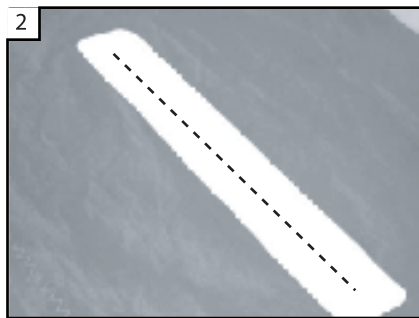
The surfaces needing repair must be clean and dry before performing any repairs. Use the alcohol wipes provided to prep the repair area.

Find a flat surface out of the wind to work on your kite. If you're at the beach then the hood of your car works well (or your buddies car if he's out on the water). Lay the kite on its back, struts up, with the damaged area flat. Using 2" to 4" pieces of masking tape assemble the damaged canopy (pic 1). Use the rip-stop pattern in the canopy cloth to make sure the damaged pieces are joined together correctly. If the rip goes through a graphic you may want to use it as a reference point and begin assembling the canopy there. After reconstructing the area of damage proceed to step two.



2 - Dacron tape fix

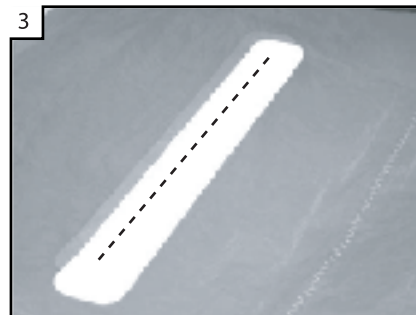
Flip the kite over so that the struts are now under the canopy and you're looking at the back of the tear you just joined with masking tape. Cut a length of Dacron tape that is at least 2"-3" longer than the tear and round the corners. Apply the tape over the top of the canopy rip and use your fingernail to really press it onto the canopy cloth (pic 2).



3 - Dacron tape fix

Now flip the kite over and remove the masking tape that was used to join the tear. Again, cut a strip of Dacron a few inches longer than the tear and round the corners and put it

on the canopy over the tear. Resist the urge to line up this second layer of Dacron tape with the first layer. You'll want to offset the two layers by 1/4" or so (pic 3). Aligning the Dacron tape creates a hard spot in the canopy and can create a wear point. Give the canopy a good tug and if everything looks solid your kite is ready to fly.



1 - Drywall tape and Seam Grip

Follow step one of the "Dacron tape fix" to assemble the tear with masking tape. Flip the kite over to expose the back of the tear. Lay Drywall tape over the tear and make sure it extends at least 2" past each end of the tear (pic 4).



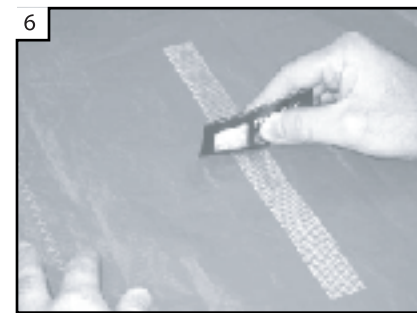
2 - Drywall tape and Seam Grip

Run a bead of the Seam Grip glue down the center of the Drywall tape (pic 5).



2 - Drywall tape and Seam Grip

Use the plastic business card to spread the glue evenly along the tape (pic 6). The glue will dry within an hour but doesn't reach full strength for 24 hrs. Remove the masking tape from the opposite side of the canopy before using. We recommend that you also give a few good tugs to the canopy before kiting with it to make sure that you did the repair properly and that the kite will hold up under use.

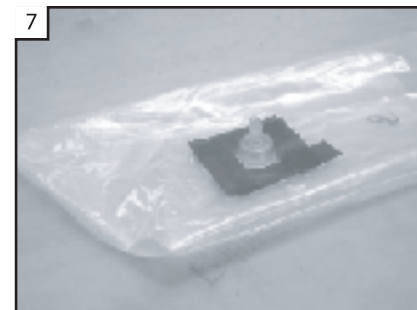


Valve Repair

The Seam Grip can be used to re-attach valves.

1 - Valve repair

Clean the bladder thoroughly with an alcohol wipe and let dry. Apply a fair amount of the Seam Grip to the base of the valve and place it on the bladder (pic 7). Use strips of masking tape to hold the valve in place. Check the valve after 45 minutes and press down any spots that appear to be raising up. Glue will require at least 12 hours to dry.



Professional repair or DIY repair

Please see the section "Professional repair or DIY repair" on the opposite side of these instructions for important information regarding self repairs.