

Repairing a Broken Rope w/ Keder Webbing

Tools Needed:

- Utility Knife
- Sewing Awl
- Scissors
- Lighter or Matches

Materials Needed:

- Rope Repair Kit (PCS # FC1001)
- Sewing Awl Thread

Step 1: Use a utility knife to pick out the stitches joining the fabric to the webbing for a distance equal to the webbing splice minus two inches.

NOTE: Avoid cutting the fabric during the process of removing the stitches. *(Fig. 1)*

Step 2: Make a cross-way incision in the webbing, carefully cutting around the beaded portion of the webbing surrounding the rope. The rope end must protrude an inch beyond the severed webbing. Cut the rope accordingly. *(Fig. 2)*

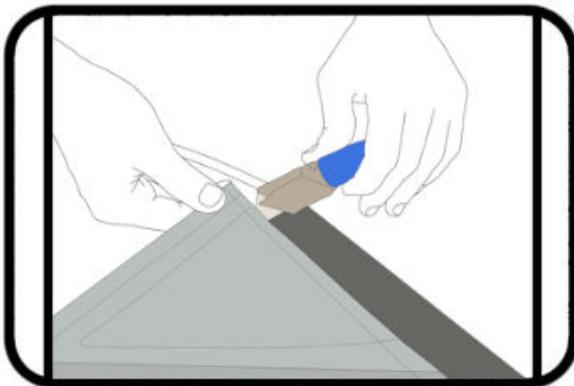


Fig. 1

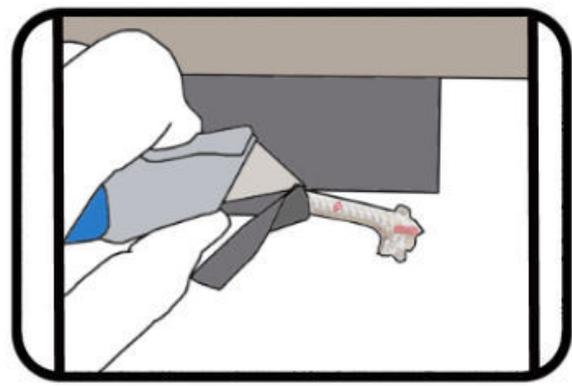


Fig. 2

Step 3: Locate the splice with pre-sewn rope protruding from one end. *(Fig. 3)*

Step 4: Burn the cover rope-end as well as the splice rope-end to prevent fraying. *(Fig. 4)*

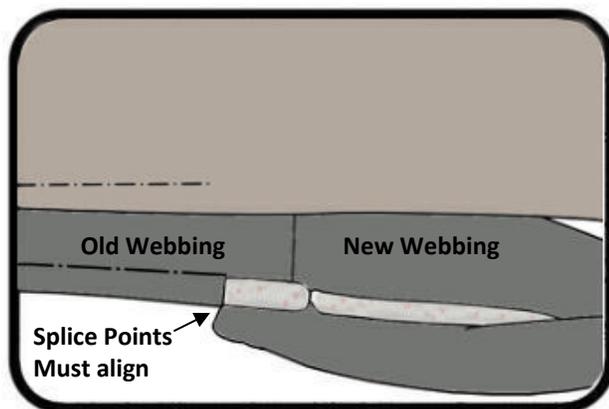


Fig. 3

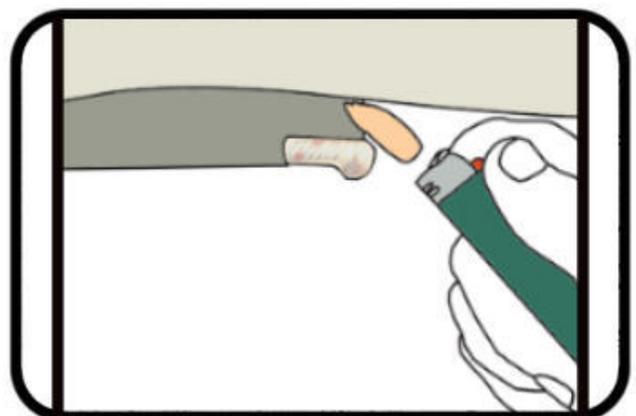


Fig. 4

Step 5: Overlap the cover webbing with the splice webbing until the two rope-ends meet (**Fig. 5**)

If you need to cut the cover webbing back a little more to permit the two rope ends to meet, do so. **IMPORTANT:** The webbing around the ropes should not overlap, it should be cut away so that only the new webbing is sewn directly around the ropes. The splice (new webbing) must overlap the existing cover webbing. If you do the opposite and allow the old webbing to overlap the new webbing, the splice will catch in the track and tear the webbing!!!

Step 6: Thread your sewing awl with a couple feet of thread and use the awl to re-sew the bead around the rope as tightly as you can, starting an inch before the splice. Continue stitching until you reach the stitches that were pre-sewn around the rope in the splice. (**Fig.6**)

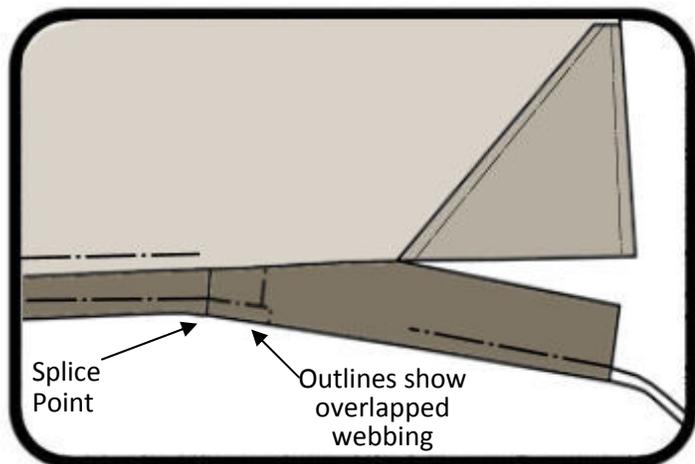


Fig. 5

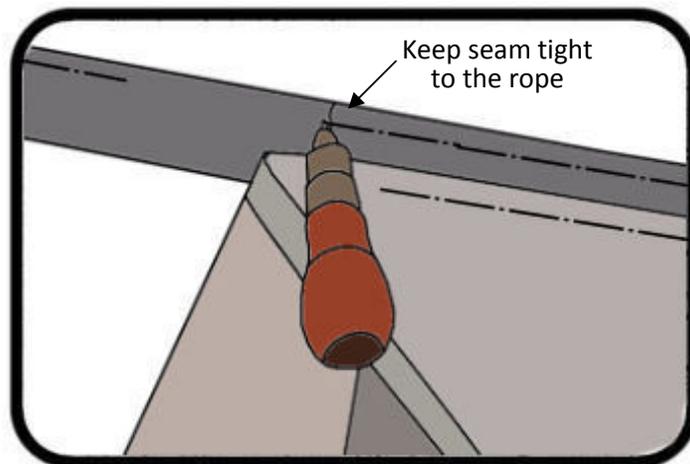


Fig. 6

Step 7: Before cutting your stitches, sew across the webbing for three or four stitches. Cut and tie off the thread. **IMPORTANT:** A seam must be sewn between the end of the new rope and end of the old rope. This seam is crucial for a strong spliced seam, sew directly through each rope. (**Fig. 7**)

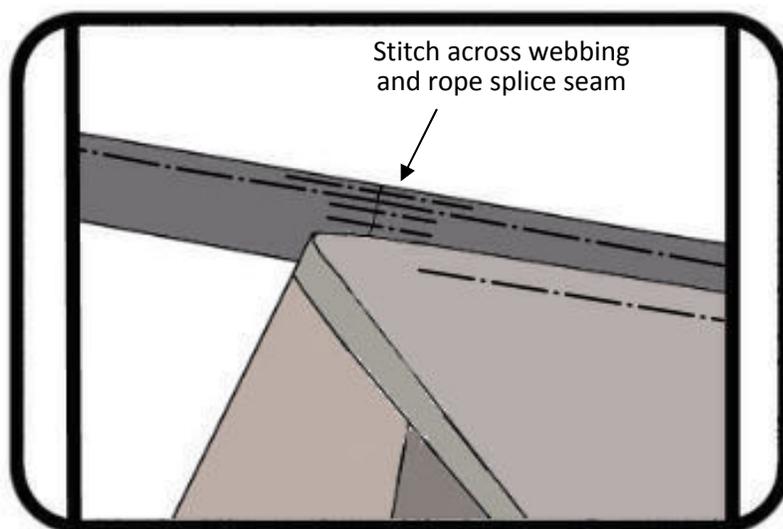


Fig. 7

Step 8: Re-thread your sewing awl with a new length of thread. Re-sew the webbing to the fabric. **(Fig. 8)**
NOTE: When you reach the front of the cover, since that point is a stress point, stitch back and forth for six or seven stitches to reinforce the strength of the webbing-to-fabric bond at the corner. The fabric should now be ready to install.

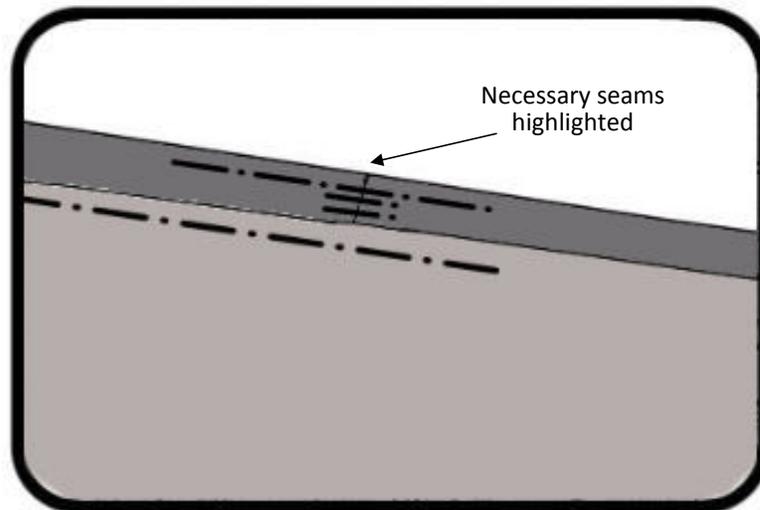
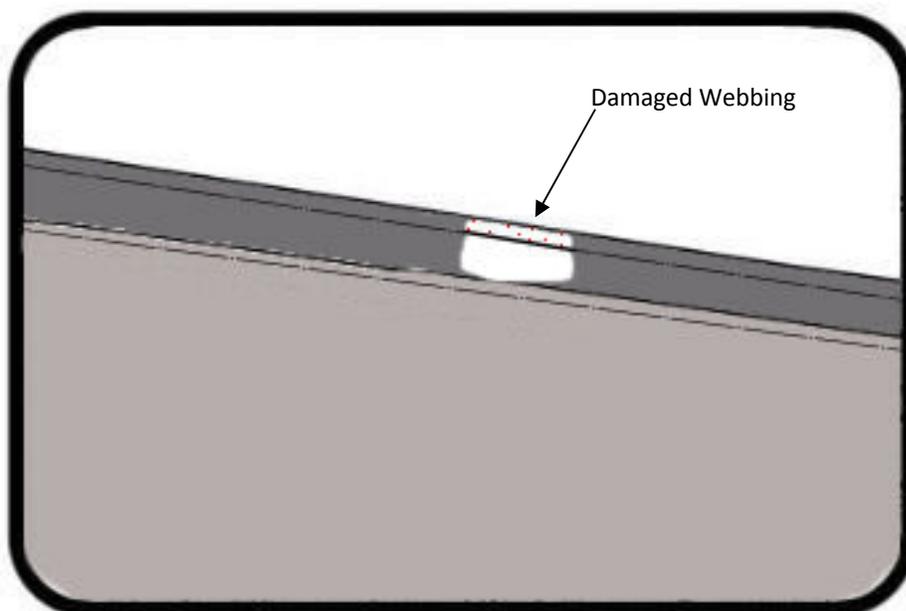


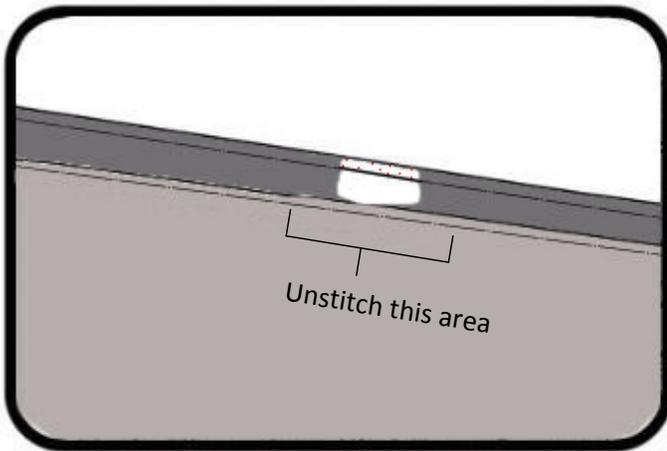
Fig. 8

NOTE: The instructions included with your sewing awl contain proper sewing techniques.

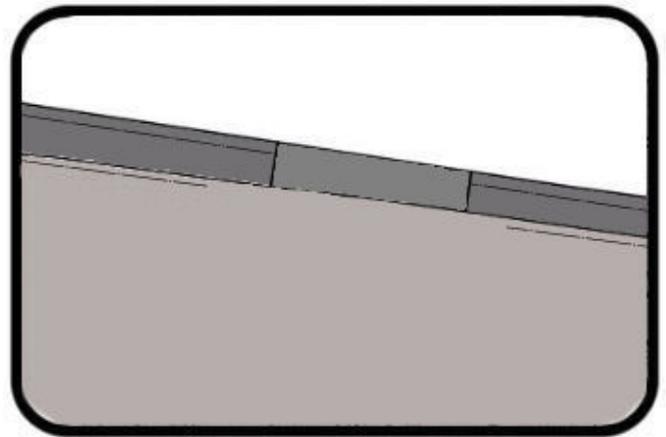
If the webbing has been damaged anywhere along the length of the cover, it can be patched with a new section of webbing. The rope along the section must not be damaged or have extra length pulled from the webbing. If webbing is damaged beyond repair the cover must be re-moved to replace the entire webbing.



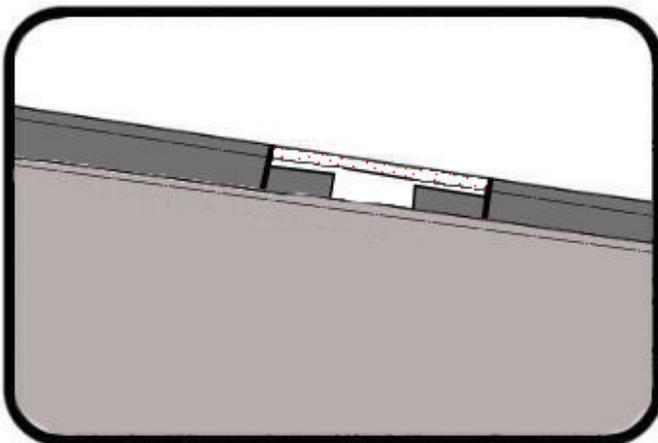
Unstitch the webbing from the cover about an inch and a half past the damaged area on each side.



Cut your webbing patch to fit the area that has been unstitched, lay your patch into place and mark it's position on the old webbing.



Cut webbing away from the rope within the marked area underneath the patch. This is crucial to ensure the rope will fit through the track and guides.



Line up the patch with the cut area so that there is no material overlapping around the rope. Begin to sew a seam next to the rope, keep the webbing as tight to the rope as possible. Once the patch is sewn to the rope you will then re-sew the webbing to the cover, be sure to keep the webbing spaced equally. You will then sew a zig-zag seam over where the patch meets the old webbing to avoid the patch catching on the cover guide.

