

## Inspection

- Inspect the harness stitching for correct stitch length, tension, and appropriate pattern.
- Reattach the MLW to the backpad as needed.
- The stop end must be sewn and oriented correctly.
- Verify the chest strap is the correct length.
- The ripcord housing must be reinstalled and tacked.

## Lower Leg Strap Shortening

- Applicable products: All harness configurations
- Description: Shortening of the lower leg straps
- Authorized repairmen: FAA Master Parachute Rigger
- Materials: 5-cord nylon thread—color to match original
- Machines: Heavy-duty harness machine—Singer 7-33 or equivalent 5-7 SPI
- Equipment: Seam ripper or scalpel, marking pencil, ruler, and hot knife

## Procedure

The shortening of the leg strap, while a relatively straightforward process, is an extremely important procedure. If done improperly, it could result in the harness fitting improperly or the leg straps to come unthreaded and the user to fall out during opening.

## Disassembly

1. If the leg strap is of the thread-thru configuration, unthread the webbing from the leg adapter. If the leg strap has an adjustable “V” ring used in conjunction with a snap, disconnect the “V” ring from the snap. Lay the leg strap out flat.
2. Remove the harness stitching from the rolled end of the webbing.
3. Measure the required distance from the end of the strap that is required for shortening and mark accordingly. [Figure A]
4. Trim the webbing at the mark using the hot knife.

## Reassembly

1. For the thread-thru configuration, place a mark at 3.50 inches from the end of the webbing on the bottom of the webbing. [Figure B] This is the “fold to” mark for the first fold of the webbing. Fold one more time for a total of three layers of webbing. [Figure C]



2. Sew the rolled stop end according to Figure D with the harness machine.
3. For the “V” ring configuration, place a mark at 2 inches from the top end of the webbing. This is also the “fold to” mark for the first fold. Make two additional folds for a total of four layers.