



## **PRODUCT SERVICE NOTIFICATION**

**ISSUE DATE:** 23 November 2011

**PRODUCT SERVICE NOTIFICATION # :** 23112011

**SUBJECT:** Inspection of the top diagonal attachment point zigzags on all SOV3 Harness/Container Systems.

**STATUS:** MANDATORY

**IDENTIFICATION:** SOV3-HH, SOV3-LI, SOV3-MI, SOV3-MM and SOV3-TS Harness/Container Systems.

**BACKGROUND:** During a recent inspection prior to repack, a rigger found the left-side zigzag stitching that holds the diagonals to the top of the reserve container had completely failed and was no longer securing the container to the left-side diagonal webbing. (See Fig-1 & 2)



**NOTE:** The diagonal stitching on the right-side remained undamaged. Typically, this type of damage occurs over many jumps. Hard canopy openings and poor body position during deployment are the general causes of this damage.

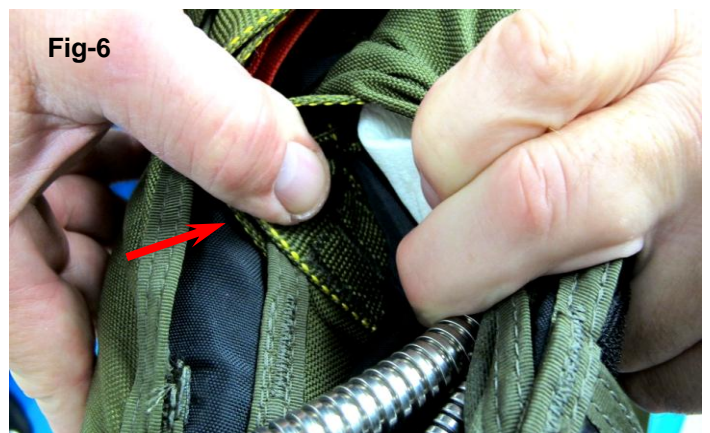


**SERVICE NOTIFICATION:**

All SOV3 Harness/Containers Systems must be inspected for broken stitching at these diagonal attachment points. This inspection can easily be performed on packed systems within 1-2 minutes. Simply open the reserve pin cover and riser covers. (Fig-3 & Fig-4)



Work your thumb under the diagonal to expose the zigzag stitching as shown in Fig-5 (right-side) and Fig-6 (left-side).



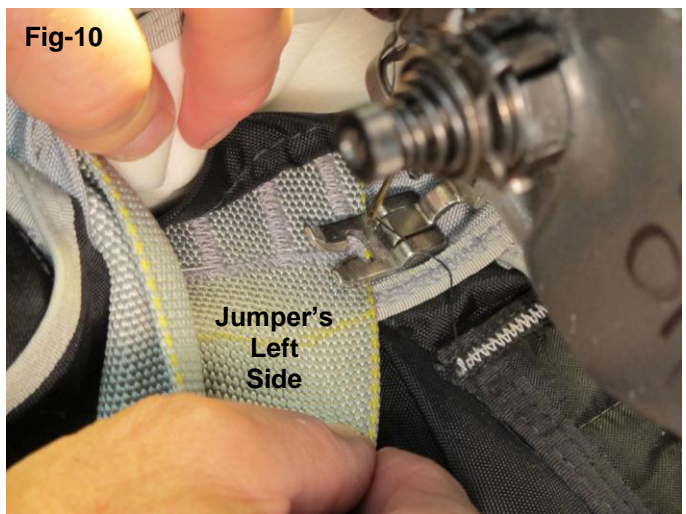
If the zigzags are damaged and need repair, a master rigger (or military equivalent) is authorized to make this repair of the damaged zigzag area by over-stitching the damaged area; then sew an additional zigzag pass in the "E" shape pattern to further reinforce the area. The intent of the additional pass is to increase the structural integrity of stitch patterns that may have a minimal stitch count. If no damage is found, no repair or reinforcement is required.

NOTE: If only minor damage is found (less than 10%) at this stitch pattern, as shown in *Fig-7* and *Fig-8*, the repair can wait until the next scheduled reserve repack.



**PROCEDURE:** The reserve canopy must be removed from the container. Slowly and carefully work your way back in between the reserve container and backpad as shown in *Fig-9* and *Fig-10*. Slide this portion of the damaged “E-pattern” zigzag under the presser foot. Ensure that nothing but what is intended to be sewn is under the presser foot. Each pass of zigzag stitching is done using “Size E, # 69, T70 Nylon Thread.”

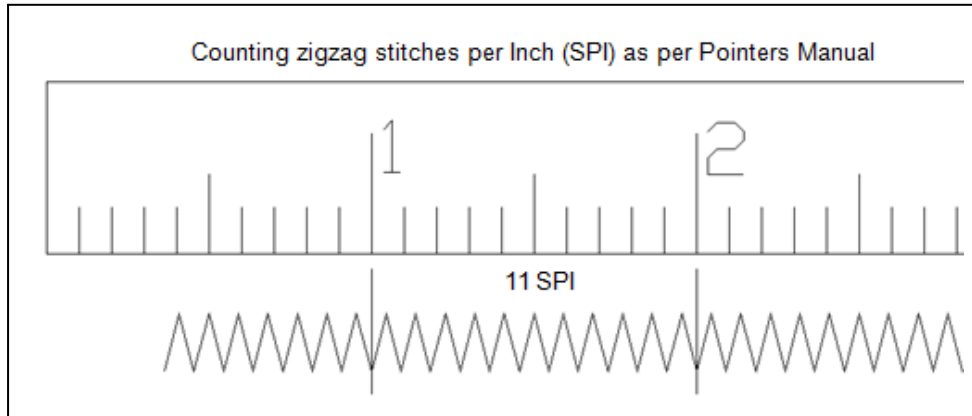
NOTE: The farthest outside north-south leg of each zigzag pattern receives the least amount of loading and it is not required to reinforce this area if you are unable to get the sewing machine’s presser foot back into this area.





NOTE: The correct stitch count for this diagonal attachment point is 10-11 stitches per inch (SPI). *Fig-11* below explains how to properly count stitches in a zigzag pattern.

**Fig-11**



When conducting routine inspections of SOV3 harness/container systems, this stitch pattern should be checked during each inspection/repack period, and especially after an exceptionally hard main or reserve canopy opening. Consult your parachute rigger loft or CPS representative if you are unsure or have any questions.

If your paraloft is unable to perform this repair, CPS will perform this repair free of charge. Please contact CPS Customer Service to obtain a RMA number for proper tracking of your equipment. Once the RMA number is obtained, you may ship your system(s) to the CPS address listed below. The system owner is responsible for all shipping charges.

**Recommended Preparation Prior to Shipping:**

- Leave the reserve canopy in the reserve bag and attached to the harness/container.
- Remove and keep all detachable main components (main canopy, cutaway handle, main ripcord, etc.)
- Write the RMA number on the outside of the package.

**COMPLIANCE DATE:** MANDATORY INSPECTION PRIOR TO NEXT JUMP

**AUTHORITY:**

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**DISTRIBUTION:**

All Military Users of SOV3 Parachute Systems  
All Military Parachute Rigger Lofts servicing SOV3 Systems

~~~ End of Notification ~~~

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