



PRODUCT SERVICE NOTIFICATION

ISSUE DATE: 30 January 2013

PRODUCT SERVICE NOTIFICATION #: 01302013

SUBJECT: SOV3-MM, SOV3-TS and SOV3-TS(MD) **Main Deployment Bags** used with the drogue. The manufacturer has authorized a simple field modification to reinforce the tubular loop drogue attachment point and its connection to the deployment bag. A basic work instruction is included to show how to properly carry out this work.

STATUS: MANDATORY INSPECTION PRIOR TO THE NEXT REPACK.
COMPLIANCE TO THE WORK INSTRUCTION IS OPTIONAL IF NO DAMAGE IS FOUND.

IDENTIFICATION: CPS-SOV3 Parachute systems which use this type of main deployment bag are CPS-SOV3-MM (Multi-Mission), CPS-SOV3-TS (Tandem Sigma) and CPS-SOV3-TS(MD) (Tandem Sigma-Multi-Deployment) Harness/Container Systems. The following deployment bag part numbers are affected by this notification:

CPS-026-003-001
CPS-026-003-002
CPS-026-003-003
CPS-112-055
CPS-MM15-026-005-002

CPS-MN BAG TS-16W/LOOP
CPS-MNBAG-9GTS14
CPS-MNBAG-TS14
CPS-MNBAG-TS15
CPS-MNBAG TS 16 MD

Deployment bags with a "Red" **QC##** stamp on the inner tubular loop are not part of this PSN. Those bags have been reinforced by the manufacturer. See **Fig-4** for clarification.

BACKGROUND: Post-jump inspections of many SOV3-TS main deployment bags used for bundle jumps (*Butler-TTB, SOV3-TTB, Strong-MTTB*) and combat equipment jumps have periodically shown the bag's taped seam that supports the tubular drogue attachment point has been compromised. It is believed the E-thread bartacks (end-stop pattern) currently used are deteriorating jump-by-jump. The manufacturer is currently evaluating deployment bags with FF-thread bartacks (center-stop pattern). This product service notification is applicable to all SOV3-MM, SOV3-TS and SOV3-TS(MD) deployment bags of similar design.

A field reinforcement modification has been evaluated and approved by the manufacturer. This product service notification provides an easy reinforcement solution that will eliminate the concern of further weakening of the deployment bag and the tubular loop attachment point for the drogue.



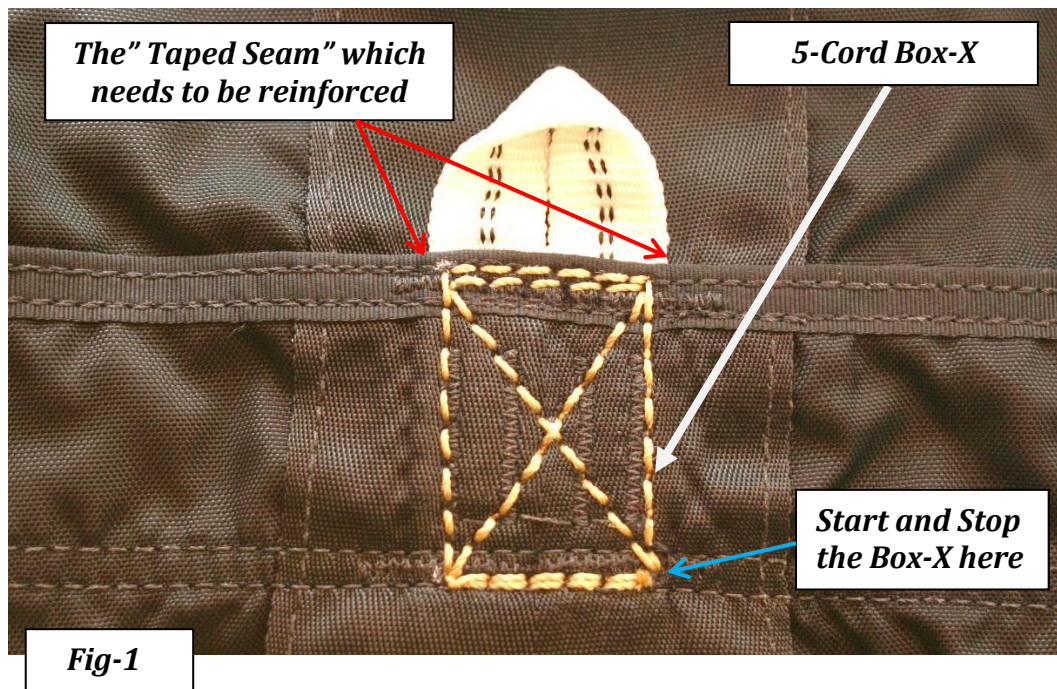
SERVICE NOTIFICATION:

All SOV3-MM, SOV3-TS / TS(MD) **Main Deployment Bags** listed above are affected. Inspect the bag's "taped seam" as indicated by the red arrows in **Fig-1**. If the bag exhibits any damage to the bartacks on the edge of the seam, then proceed with the following work instruction.

WORK INSTRUCTION: Install a standard Box-X pattern with Nylon 5-Cord as shown in **Fig-1**

Tools & Materials Needed:

- 7-Class Harness Machine – Single Needle - Lockstitch
- Stitch Length: 5-6 Stitches per Inch
- 5-Cord (Nylon) – 40 lbs. TS (any color)



The Box-X shown above is sewn in contrasting thread color for clarity. Any color 5-Cord may be used. The blue arrow denotes the start/stop location of the Box-X. Ensure the Box-X perimeter is sewn directly on top of the covered tubular webbing. The Box-X may be sewn directly on top of the existing bartacks, or slightly outside the bartack perimeter, as shown above. Following the installation of the Box-X, the deployment bag may be placed back into service.



Several end-users were previously instructed by the manufacturer to reinforce their deployment bags with a linear pattern of three (3) passes of 5-cord as shown in **Fig-2**. This pattern is only acceptable on existing bags if the inner portion of the tubular loop indicates a "Black" QC## stamp as shown in **Fig-3**.

If the bag does NOT clearly display a "Black" QC## stamp on the inside tubular loop, then a Box-X pattern must be installed as shown in **Fig-1** above.



Fig-2

Fig-2

The 5-Cord linear pattern is a "Triple-Pass" directly over the tubular loop, securing the taped seam of the bag.



Fig-3

Fig-3

The "Black" QC## stamp is clearly visible on the tubular loop on the inside of the deployment bag.

The "Triple-Pass Pattern" is acceptable if the "Black" QC## stamp is visible. No further reinforcement is required.



Fig-4

Fig-4

Main deployment bags which display a "Red" QC stamp with the inspector's two-digit number. These bags are newly reinforced by the manufacturer and are not subject to this PSN.

COMPLIANCE DATE: MANDATORY INSPECTION PRIOR TO THE NEXT REPACK.
COMPLIANCE TO THE WORK INSTRUCTION IS OPTIONAL IF NO DAMAGE IS FOUND.

PARACHUTE SYSTEMS CURRENTLY DEPLOYED IN THE FIELD SHOULD COMPLY WITH THIS PSN AT THE END OF THEIR DEPLOYMENT CYCLE, OR DURING THE NEXT SCHEDULED SERVICING.

AUTHORITY:

Complete Parachute Solutions, Inc.
T.K. DONLE – Technical Director
tk@cpsworld.com

United Parachute Technologies, LLC
Mark Procos – General Manager

DISTRIBUTION:

All Military Users of SOV3-MM/TS Parachute Systems
All Military Parachute Rigger Lofts servicing SOV3-MM/TS Parachute Systems
CPS Website: www.cpsworld.com

~~~ End of Notification ~~~

1320 E. International Speedway Blvd., Suite 1, DeLand, FL 32724  
PH: (386) 736-3862 FX: (386) 736-3899  
[www.cpsworld.com](http://www.cpsworld.com)