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THE PARACHUTE COMPANY WITH IMAGINATION

Two-Loop Main Closing System for the Dual Hawk Tandem

Kit PN 480055

The Two-Loop Main Closing System has been developed over a six year period as a safety mechanism to eliminate premature opening of the main container. It is a unique system that is both simple and effective in achieving its goal.

Premature openings of the main container have occurred as a result of a broken closing loop, improper tolerances in pin spacing, interference of the kevlar bridle with the pin bridle, or by over-stretching the harness / container assembly while deploying the drogue in a head down attitude. In some instances the D-bags have not been held in the container due to wear of the tuck tabs on the Spandura® flap system.

In order to address the above mentioned abnormalities Strong Enterprises has developed what they consider to be the necessary tool to eliminate these occurrences.



Description:

- A type IV tape anchor is attached to the Kevlar ring bridle just above the ring. The long flex pin is larks headed onto this anchor.
- The flex pin is routed through a metal cable housing which is hand tacked at the edge of the drogue riser at one end and to the main top flap at the other end.
- A 2nd grommet is inserted into the top flap in line with the existing grommet.
- An extension with a grommet and a 2nd loop is sewn to the main lower flap.
- The 2nd loop on the lower flap extension is inserted through the 2nd grommet on the top flap.
- The flex pin exits the cable housing and is inserted through the 2nd closing loop.
- The 1st loop on the lower flap is inserted through the 1st grommet on the top flap, then through the grommets in the right then the left side flaps.
- The flex pin is then inserted through the 1st closing loop.

Notes:

- The flexible closing pin is protected by a hard housing from outside interference that could cause premature extraction.
- The closing pin can only get pulled by the released drogue during normal deployment of the main.
- The 2nd. loop keeps the container closed if the 1st. loop were to break.

The Two-Loop Closing System (PN 480055) is available at Strong Enterprises. It is compatible with all models of the Dual Hawk and may be installed by a Senior Rigger or foreign equivalent.

Installation Instructions

Installing the Type IV Pin Anchor Tape:

1. Rip out stitches in the label "This side faces reserve container" back to the bar tacks.
2. Lay the flexpin anchor tape on top of the three point. Align the mark on the anchor tape with the edge of the Kevlar bridle.
3. Attach the anchor tape to the Kevlar ring strap with a) 3 rows of zig-zag Nylon V-T-295, size 69 (E) thread,



or
b) single needle 4-point with Nylon V-T-295, size 138 (FF) thread.

4. Resew the “This side faces reserve container” label in place.
5. Larks head the 20” flex pin onto the Type IV pin anchor tape.



Modifications to the harness/container for the Two Loop Closing System.

1. Installing the “0” spur grommet on the main top flap:
Set the ‘0’ grommet in the top flap at a location that is in line with, and behind the original grommet. They should measure 2 1/4” center to center.
2. Installing the flex pin cable housing:
 - a) Hand tack the cable housing to the main top flap 1/2” from the edge of the new ‘0’ grommet. Use 8 turns of Super Tack Light, with at least 3 turns in the groove of the housing. Tack through the Vinyl end caps.
 - b) Hand tack the other end of the 11” cable housing to the edge of the drogue riser at the ring end. Use the side of the drogue riser on the wearer’s right.



3. Installing the lower flap extension:
Attach the lower flap extension (Type XII with ‘0’ grommet) to the inside of the binding tape of the main lower flap and in line with the original ‘0’ grommet. Use 3 passes of Nylon VT295 Size 138 (FF) thread. The grommets should measure 2 1/4” center to center.



Parts list, kit No.: 480055

Qty	Part No.	Description
1 ea.	343354	Lower closing flap extension with the new '0' grommet installed,
1 ea	480033	Flex pin anchor tape (Mil-T-5038 Type IV, 1") folded and sewn.
1 ea	580260	Instruction, Two Loop Closing System.
2 ea	780019	Flex pin, 20.25" (515 mm) long.
2 ea	861017	Closing loop, main 2" (50 mm).
1 ea	916022	Grommet and washer, Spur "0", brass.
1 ea	918611	Housing, 11" x 1/4" (280 x 6 mm) ID w/vinyl end caps.

**If you have any questions about installation of
the Two Loop Closing System,
please contact Strong Enterprises.
1-800-344-6319**

**This instruction is available in color on the web:
www.strongparachutes.com/manuals.html
as a downloadable .pdf file.**