



Product Modification Procedure

PROCEDURE#:	1239-A	NUMBER OF PAGES:	3
SERVICE BULLETIN REF:	SB1525A	DATE:	FEB 1, 1995

TITLE: Revised Cypres Control Unit Re-location for Flexons and early '94 Talons.

APPLICABLE PRODUCTS: All Flexon containers, P/N 4115-() with factory Cypres installation and '94 Talon containers P/N 4111-(2) with factory Cypres installations except the size T0 and T1. These must be returned to the factory for modification.

DESCRIPTION: The installation of the Cypres control unit for the Flexon and the '94 Talon is changed to being mounted at the top of the backpad below the neck area. This is similar to the installation as used on the Parachutes de France Atom. This installation procedure replaces PMP-1239. It is cosmetically more appealing and is simpler to install.

AUTHORIZED REPAIRMEN: FAA Master Rigger or Foreign Equivalent.

MATERIALS:

1. 1 ea Cypres control window manufactured according to Fig 1. (Available from RI.) Note: A standard Cypres control pocket may be taken apart for suitable vinyl.
2. Ty-III tape 3/4" wide, color to match container trim. The pull tab is cut 1.75" (45mm) long.
3. 36" of nylon supertack tacking thread.
4. E thread, color to match.

MACHINES:

1. Medium duty single needle, 301 stitch, 7-11 SPI.
2. Double needle, 301 stitch, 7-11 SPI with taping attachment.

EQUIPMENT:

1. Marking pencil
2. Ruler
3. Hot knife
4. Straight pins
5. Marking/pocket template
6. Handtacking needle

PROCEDURE

1.0 DISASSEMBLY:

- 1.1. Remove tacking and teflon tube from channel.

2.0 RE-ASSEMBLY

- 2.1. Mark the inside of the reserve container for the location of the opening for the Cypres control unit and the pocket perimeter. Figs 2 & 3. Make sure the end with the holes are located to the wearer's right. The bottom corners of the marking template will overlap slightly into the channel (not more than .25"/6mm) for the teflon tube. However, you must make sure that there is sufficient space to re-install the tube. The top edge of the pattern will extend above the top row of stitching and into the flap that covers the bridle. This is not a problem since there is no loading on the flap.
- 2.2 Cut the slit in the appropriate location using the hot knife. Fig. 4. Make sure you do not exceed the distance as marked by the dots. Check the fit of the Cypres control unit through the slit. Fig. 5.
- 2.3 Using the T-Pins, transfer the bottom corner marks to the outside of the backpad. Make sure that the pins go straight thru and not on an angle. Figs. 6 & 7.
- 2.4 Mark the perimeter of the pocket on the outside of the backpad. Make sure the top line of the pocket is square to the stitch row above for cosmetic purposes. Fig. 8.
- 2.5 Install the TY-III pull tab on the outside of the backpad to the inside of the slit. Fold the end under to reinforce

the stitch pattern. Pull the free end of the tab thru the slit to the inside and pin in place so as not to sew it down when installing the pocket. Figs. 9 & 10.

- 2.6 Install the pocket on the outside of the backpad using the single needle. Stitch directly on top of the outside row of stitching. Backtacking at each corner will reinforce the pocket. Figs. 11 & 12.
- 2.7 A 1" (25mm) slit must be made in the reserve riser cover at the top end of the spandex channel to route the control unit to the pocket. Fig. 13
- 2.8 Re-install the Teflon tube in the channel. Fig. 14. On the Flexon, the teflon tube must be handtacked in place. On the Talon, it is not handtacked. Make sure you do not crush the tube. If the tube is damaged, it must be replaced. The cutaway cable must be able to slide freely thru the tube.

3.0 INSPECTION:

- 3.1 Control unit pocket manufactured to drawing or supplied by RI.
- 3.2 Location and size of slit in container.
- 3.3 Installation of pocket to outside of backpad.
- 3.4 Installation of Ty-III pull tab.
- 3.5 Slit in the reserve riser cover
- 3.6 Re-installation of the teflon tube. Tacking required on Flexon only.

4.0 COMMENT:

- 4.1 With the control unit now mounted at the neck area and the cable routed from the wearer's right, the display is upside down. In the event that the user needs to calibrate the Cypres for a field elevation other than where they are jumping, the user must view the control unit so that the button is on the right and the display on the left as you are viewing the control unit. This is so the arrow shows the correct orientation for altitude adjustment.
FAILURE TO DO THIS WILL RESULT IN AN INCORRECT SETTING FOR THE CYPRES.

5.0 CONTACT PERSON

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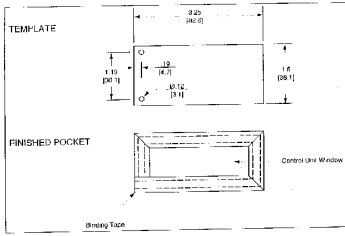


Figure 1

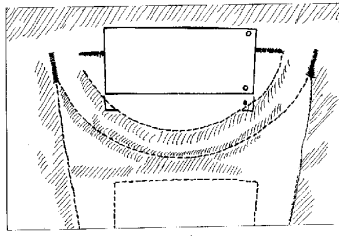


Figure 3

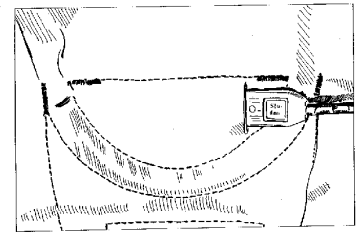


Figure 5

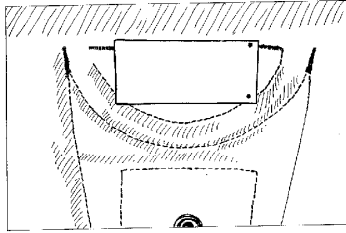


Figure 2

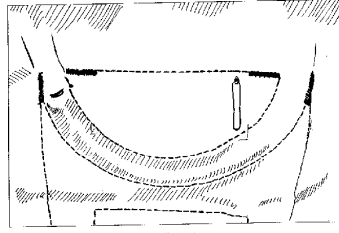


Figure 4

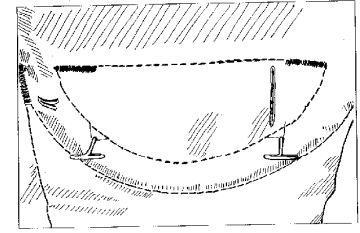


Figure 6

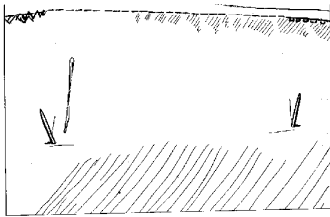


Figure 7

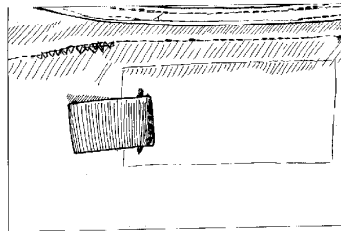


Figure 9

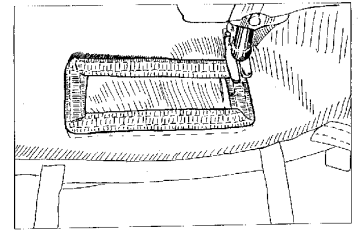


Figure 11

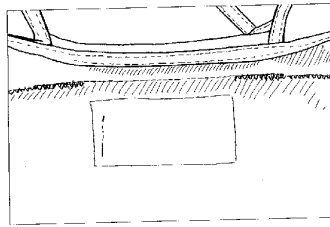


Figure 8

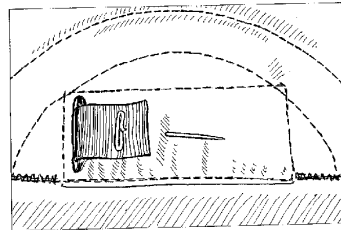


Figure 10

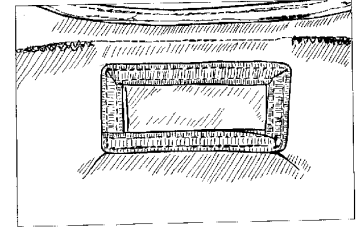


Figure 12

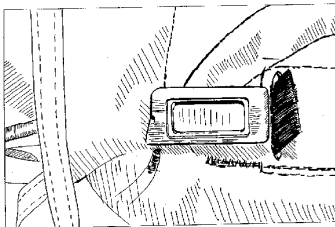


Figure 13

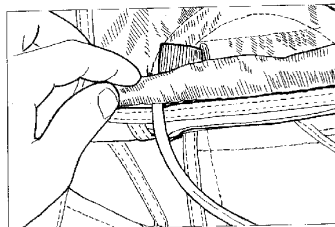


Figure 14

Rigging Innovations Inc.
Cypres Retrofit
PMP 1239a