

**CYPRES 2**



Reliability Made in Germany

# **CYPRES Packer's Checklist**



## CYPRES RIGGER'S PACKING CHECKLIST GUIDE

The following is not meant to be used as an Installation Guide when installing CYPRES in a rig without a factory or other approved setup. For detailed instructions on retrofit installation, please refer to **Airtec's CYPRES Rigger's Guide for Installation** consisting of a Book, Video Tape, and Parts Kit available from Airtec and CYPRES Dealers.

This Packing Checklist Guide is designed to aid the rigger in determining if an existing installation is proper for the particular harness / container system, and if the CYPRES components are installed and located in the correct places.

The following installation requirements and component placement information are the results of detailed testing. There is much more to be considered than esthetics and practical regards. If one of the CYPRES components, especially a cutter, is installed in a location other than that approved, the result can be damage to the CYPRES, interference with normal reserve deployment, or a very slow opening of the reserve container when a CYPRES cutter fires.

Therefore, if an installation is encountered during your inspection and repack duties which conflicts with the enclosed Checklist requirements, please contact Airtec prior to proceeding.

The particular harness / container manufacturer should also be able to provide some help and clarification.

In the light of recent realizations with parachuting equipment we state that the test procedures that we do and those we have done to investigate the performance of reserve container openings do clearly give knowledge about the done testing. That though does not mean that further packing procedures and opening procedures, even with identical parameters, must generate the same result. Also there are a lot of subjects that do take influence and may alter a result. As examples, the habits of a packer, the environmental conditions etc.

Bottom line: The results of our testing are the results of our testing. They can not predict what may happen in a later opening procedure.

### Notice to Riggers:

Because of safety reasons, the fact that the CYPRES setup configurations for each individual rig have been designed and tested by Airtec with the CYPRES, and because of liability concerns for you, the rigger, we must remind you that Airtec CYPRES set-ups (pouches, cutter elastics, etc.), and CYPRES loops and discs **MUST** be used with CYPRES AADs.

At the same time, as Airtec has performed testing on these setups and loop system **ONLY** with CYPRES, we must insist that CYPRES setups and loops **NOT** be used with any other AAD, because of the same safety and liability concerns.

We kindly ask you to check for these situations and correct any that you discover.

Thank you for your understanding.



## **GENERAL INSTRUCTIONS for all CYPRES models**

Please refer to the CYPRES User's Guide for generic instructions and guidelines concerning installation and packing.

Please pay particular attention to the instructions concerning tying the closing loop knot, and lubrication of the closing loop with the special Silicon Gel.

### **Instructions for CYPRES 1 :**

1. In general, cutters are provided with a plug in the cutter cable. Cutters that have fired must be replaced by Airtec or SSK Inc. unless they are provided with a plug in the cutter cable. This type of cutter system is delivered since 1995 for 1-pin units, for 2-pin units since May 1999 , and is replaceable by every rigger in the field. In doubt contact Airtec.
2. Make sure that the seal on the cutter cable connector cover, located on the Processing Unit is intact and undisturbed. The CYPRES unit must be returned to Airtec or SSK Inc. if the seal has been disturbed.
3. Check that it has not been more than four years + max. 3 months from the date of manufacture or last factory maintenance. Refer to the date(s) on the label(s) on the Processing Unit.
4. The battery must be replaced after two years or 500 jumps or if the low battery error code is encountered during self-test whatever comes first.
5. A CYPRES 1 must only be installed as a life saving device when the points 2-4 are fulfilled and the unit is not older than 12 years and 3 months.

### **Instructions for CYPRES 2 :**

On a CYPRES 2 it is not necessary to perform any battery replacements. If the unit passes the selftest without showing the next maintenance date, the unit is at least 13 months away from the latest date for the next maintenance.

Do not install a unit which is overdue for maintenance or older than 12 years and 6 months.



Only use original CYPRES loops! Shorten the loop until the pin has a tight fit; loop has to run straight from washer to pin!



### The CYPRES reserve-closing-system

Except for the following special instructions, use all other regular packing procedures described by the rig manufacturer.

In order to avoid wear between loop, bottom disc and knot where the loop attaches to one-pin containers, we have developed a new technique for affixing the loop. This technique utilises a metal disc with three holes together with a special knotting technique.

The preparation of the loop will not take significantly longer than the procedure previously used, with the added advantage that the entire loop system will have a higher tensile strength.

Follow these instructions for attaching the loops to the discs:

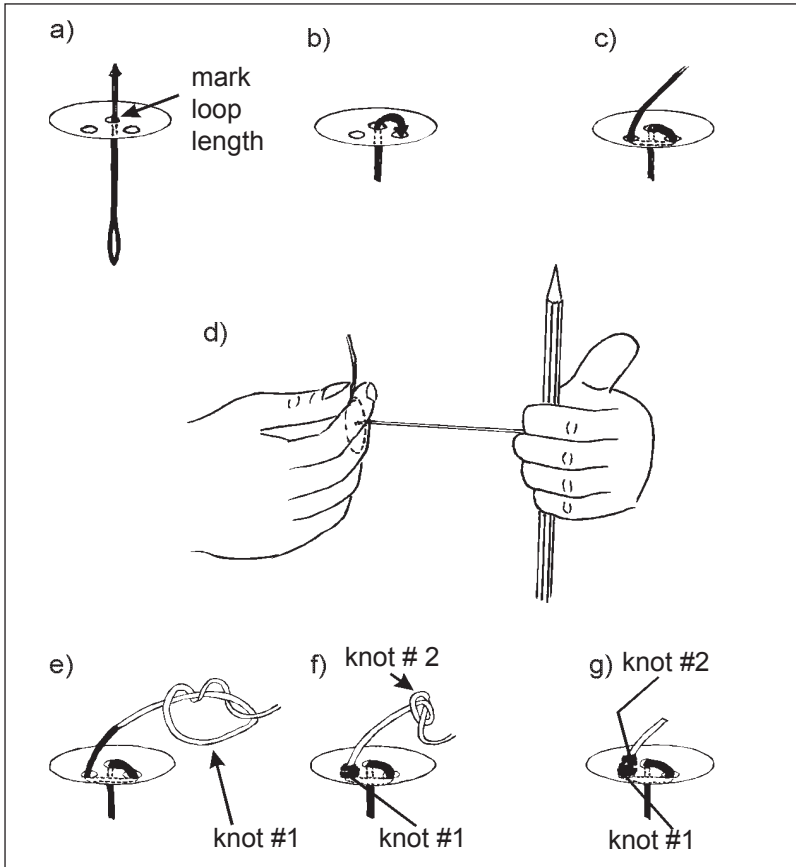
- a) pass the loop cord through the central hole and mark the desired length with a pen
- b) route the cord back through one of the outside holes
- c) and upwards again through the third hole
- d) hold the disc between the index and the second finger and trap the spare cord with the thumb. Pass a pen through the loop and sharply pull the whole loop cord twice to **prestrech (!)** the material.
- e) Re-align the pen mark with the disc and knot the cord as shown in sketch e
- f) make one additional knot to prevent slippage.

sketch





### Sketch of loop attachment:



The looped end of the CYPRES loop should be impregnated with silicone except for 1/2" (1cm) next to the disc. Treat with silicone after knot is tied to avoid slippage. Running loops should be impregnated completely.

To protect the integrity of the fingertrapped or spliced section of adjustable loops, these should not be treated with silicone (e.g. quickloops, loops for 1-pin Pop Tops).



### **Packing of two-pin reserve containers**

These points apply when packing a two-pin container in which CYPRES has been installed:

- Use only original silicone impregnated CYPRES loops (delivered with the unit). The use of thicker loops could prevent proper functioning of the system.
- Impregnate Running loops completely with silicone. If two one-pin loops are used the looped ends of the CYPRES loops should be impregnated with silicone except for 1/2" next to the disc.
- Make sure that the loop can run freely through the double bottom of the container.
- If the release unit is not mounted on the bottom of the container, lengthen the loop approx. two centimeters (2cm) to allow for the added thickness.
- Use only the original CYPRES pull-ups (delivered with the unit.)

Except for these instructions, follow all other regular packing procedures described by your system manufacturer.

### **Packing of one-pin Pop Top reserve containers**

When packing a one-pin Pop Top System,

- Use only original CYPRES loops and CYPRES discs (delivered with the unit.) If the loop needs to be replaced, use an identically-made loop of original CYPRES loop material.
- For one pin Pop Top systems Airtec recommend that the closing loop is not silicone impregnated. If your CYPRES is for this type of rig please ask the authorized rigger doing the installation to fit a non-impregnated loop.

Except for these instructions, follow all other regular packing procedures described by your system manufacturer.

### **Packing of two-pin Pop Top reserve containers**

When packing a two-pin Pop Top System

- Make sure that a Running loop has been installed.
- Use only original CYPRES loops (delivered with the unit).
- Impregnate the Running loop completely with silicone.



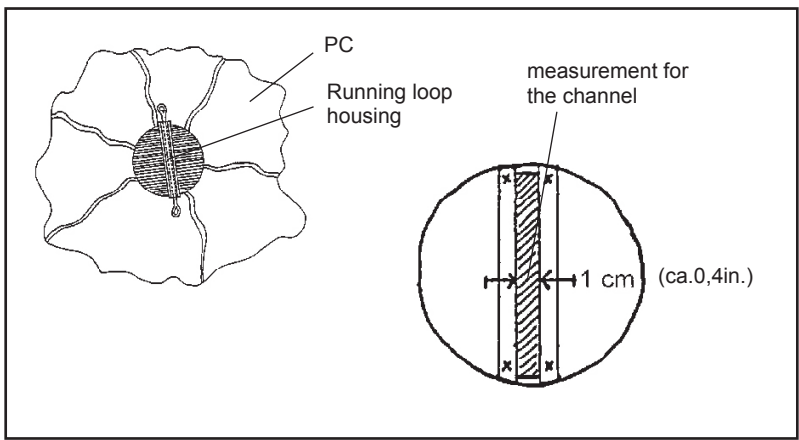
### The Running loop

The Running loop has the characteristic that even when you pull only one of the two pins, the pilotchute will launch. The free end of the running loop slips through the channel in the pilotchute. The loop is NOT fixed on the pilotchute top. It runs in the running loop channel, which is provided with every 2-pin CYPRES installation set.

The running loop is easy to change (Just pull a new one through).

A 16cm (ca.6,3in.) running loop housing is supplied with every 2-pin CYPRES. Should you require a housing of different length please contact Airtec for immediate delivery.

When making your own housings ensure that the ends are not cut with a hot knife. This leaves a sharp edge and can damage the running loop. The ends should be folded back and sewn in place in exactly the same way as on those supplied by Airtec. Handstitch the running loop housing to the top disc of the pilot chute with strong wax thread. Cross-stitch all four corners.





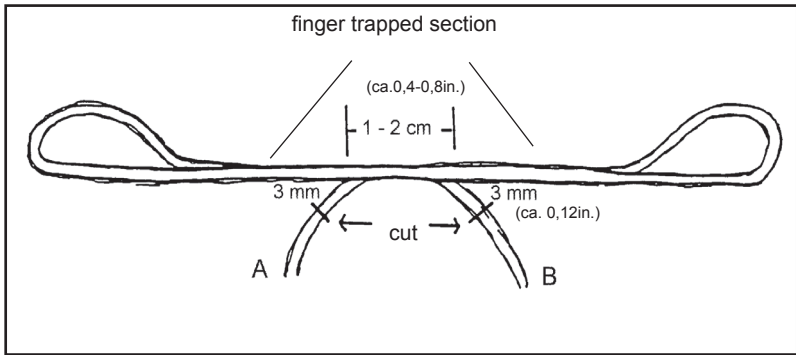
## Loop installation in two-pin containers

CYPRES loops should not be shorter as those normally used on any particular harness container system (rig).

- a) Assess the loop length required and adjust the loops accordingly.
- b) Then, stretch the loop by pulling tight on both ends at least twice. The pulling force is what matters, not the duration of the pull. A short but decisive pull will do.
- c) Adjust the loop by gently pulling the finger trapping until it is 1cm shorter than its desired length. Cut the protruding surplus ends with a scalpel or razor blade to a length of approximately 3mm (ca. 0,12in.). Then slowly pull the finger trapping until the surplus 3mm (ca. 0,12in.) of material disappear inside the loop. The central 6cm (ca. 2,4in.) of the loop should be sewn with nylon type E thread or similar material, by hand or machine. Both ends of the stitching should be locked. 2-pin loops provided by Airtec are not treated with silicone, please impregnate the complete running loop with silicone.  
When making up your own loops, use only Airtec polyamide material. Make exact copies of original loops and do not forget to treat the complete running loop with silicone.
- d) Finally, stretch the loop twice more.

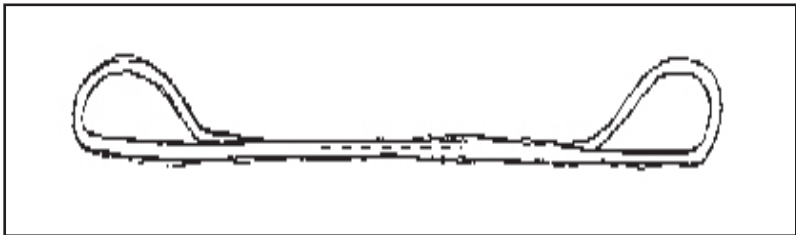
This should result in a smooth, protrusion free loop of the required length.

Once the required loop length has been established it should be annotated on the reserve packing card for future reference. The silicone gel supplied by Airtec is ph neutral and does not affect Parapack, Cordura or Canopy material.



**Important:** The loose ends A and B should overlap in the centre of the made up loop by 1 to 2cm (ca.0,4-0,8in.).

**The running loop, ready to install after sewing and siliconing :**

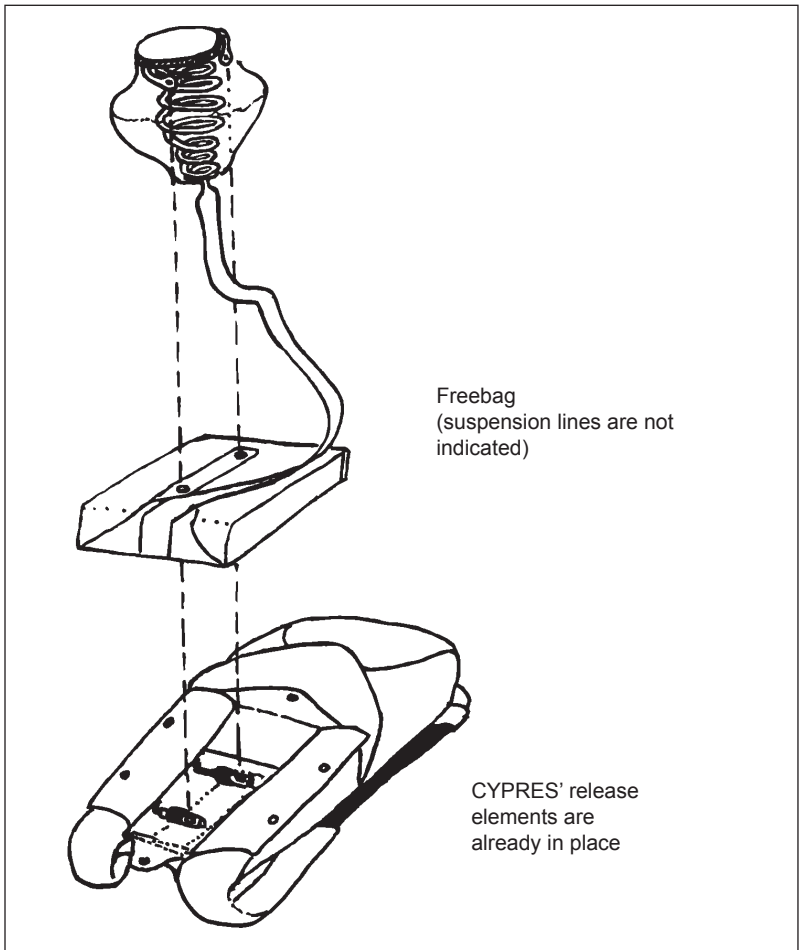


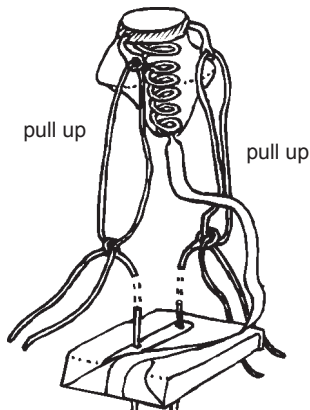


## Packing

There is a simple technique using two special lines made of CYPRES loop material (soft bodkins) together with the CYPRES pull-ups. These lines and pull-ups will be shipped with every CYPRES ordered for a two-pin system. The packing procedure is described on the next pages.

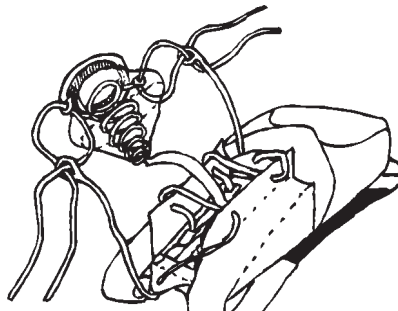
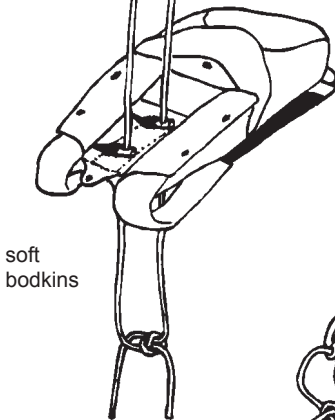
Schematic drawing of a two-pin Pop Top reserve system with CYPRES:

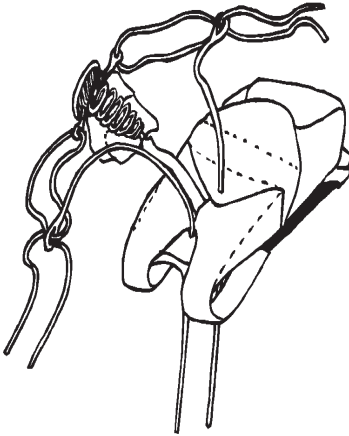




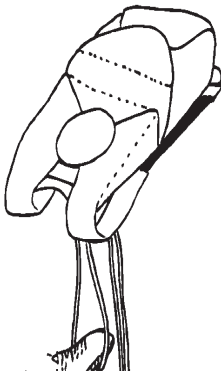
Altogether four packing lines are needed, two soft bodkins and two pull up cords. Both types will come together with your CYPRES. With the soft bodkins, pull the pull ups through the freebag, the release elements and the bottom of the container.

This is just a schematic drawing. In reality, the packing bands have to pass through the grommets of the closing flaps in their correct order after they have been pulled through the release elements and the freebag.





After the pull-ups have been pulled all the way through the bottom of the container, their ends can be tied together. Then with the rig placed at the edge of the packing table, it will be possible to step into the resulting loop with one foot, creating enough force to close the container with little effort.

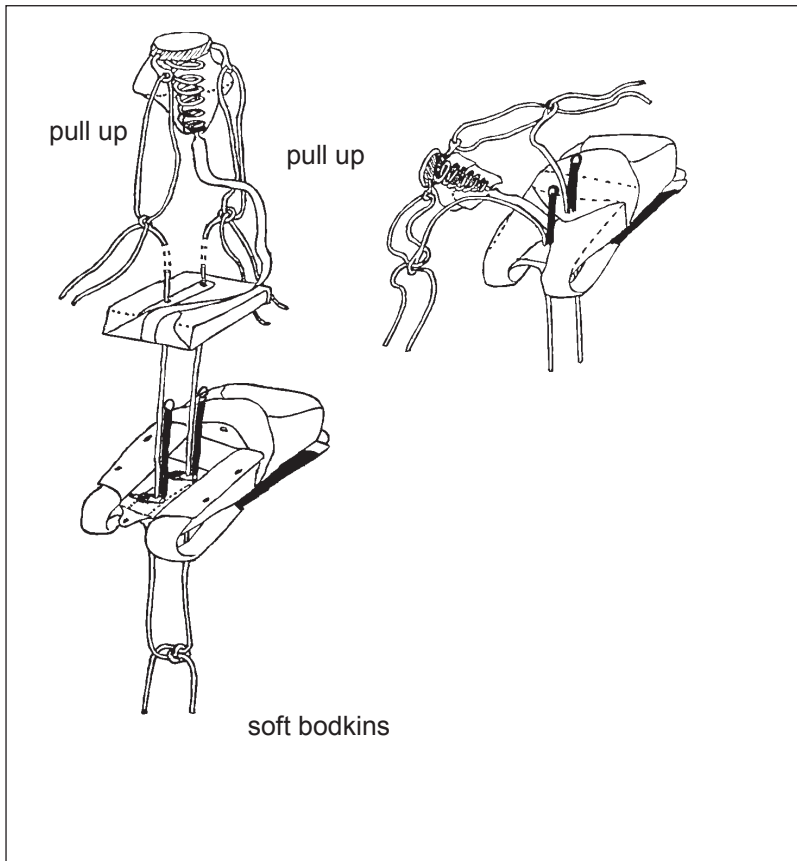


In order to facilitate introduction of the last ripcord pin, put a temporary pin into the loop first. Then, insert the ripcord pin into the loop underneath the temporary pin. After that, carefully extract the temporary pin.



In order to facilitate the packing procedure described on the last three pages, we recommend that you pass 2 conventional metal bodkins through the grommets at the bottom of the container, serving as a mechanical aid for the closing of the flaps.

The release elements in their elastic housings are mobile enough to allow temporary displacement while the bodkins stay inserted, and they will move back to their original position once the bodkins have been taken out. The bodkins can stay in place until all 4 flaps have been aligned properly.





### **Additional notes to the Racer and Racer Elite**

On Racer and Racer Elite systems in countries where US TSO standards apply, you must use the quick loop system in accordance with the manufacturer's instructions.

PRES polyamide loop material. Do not use silicone on quick loops.

Packing should then be done with soft bodkins, preferably by using 2 metal bodkins as described.

**RIG SPECIFIC INSTRUCTIONS**

<b>Rig</b>	<b>Detail Notes</b>
ACE	1, 5, 6, 7, 9, 11, 18, 31
Advance	1, 13, 19, 31, 38, 40
Advance IN	1,12,19, 25,31,40
Atom	1,5,7,11,18,24,25,31,33,37,39,40
Brief Case	1, 6, 14, 31, 35, 36
Campus	1, 5, 6, 7, 9, 11, 18, 31
Centaurus	1, 6, 9, 11, 18, 31
Chaser	1, 10, 13, 19, 21, 27, 31
Combination Tandem	1, 6, 9, 14, 17, 31
Dolphin	1, 6, 13, 19, 31, 38
Dual Hawk Tandem	3, 6, 7, 15, 20, 23, 31
Duo Tandem	1, 7, 11, 18, 31
Eclipse	1, 6, 7, 12, 17, 25, 31, 37
Eclipse Tandem	1, 12, 17, 25, 31, 40
EOS	1, 8, 11, 18, 31
Excaliber	1, 9, 10, 16, 19, 31
Flexon	2, 11, 18, 29, 31, 34
Feniks (Air-Pol)	1, 11, 18, 31, 43
Galaxy Tandem	1, 6, 7, 11, 18, 23, 31
Genesis	1, 5, 6, 7, 9, 11, 18, 31
German G9	1, 6, 9, 11, 18, 31
Icon	1,6,11,17,25,31
Infinity	1,6,11,17,25,31
Innovator II	1, 5, 6, 7, 9, 11, 18, 31
Invader 58	1, 5, 6, 9, 11, 18, 31



<b>Rig</b>	<b>Detail Notes</b>
Jaguar	1, 5, 6, 7, 9, 11, 18, 31, 39
Javelin	1, 5, 6, 7, 9, 13, 19, 31, 38, 40
Mars OP-087	1, 11, 18, 25, 31, 40
Mars OP-087 D	1, 11, 18, 25, 31, 40
Mars OP-093	1, 6, 11, 18, 25, 31
Mars Tandem (PPSO CZ-330)	1,7,11,18,23,31,44
Mini Hawk	4, 6, 9, 15, 20, 31
Mirage (1996 and later)	1, 6, 14, 25, 35, 40
Module	1, 5, 7, 9, 11, 18, 31
Naro	1, 5, 6, 7, 9, 11, 18, 31
Next	1,6,11,17,18,25,31,37
Next Tandem	1,6,11,17,18,25,31,37
Next Student	1,6,11,17,18,25,31,37
Northern Lite Infinity	1, 6, 9, 11, 17, 31
Northern Lite III	1, 6, 9, 14, 18, 27, 31
Orion	1, 5, 6, 7, 11, 18, 31, 39
Performance Omega	1,7,14,17,25,31,40
Performance Tandem	1,7,14,17,25,31
Pigmeo	1, 5, 6, 9, 14, 31, 35
Pitt III	1, 5, 6, 9, 15, 19, 22, 31
Pitt IV	1, 5, 6, 7, 9, 12, 19, 31, 37
Polyot	1, 7, 14, 17
Prestige	1, 5, 7, 9, 11, 17, 31
Quasar II	1, 11, 18, 31, 40
Quest	1,11,17,31,40
Racer	1, 9, 10, 13, 19, 21, 27, 30, 31
Racer Elite	1, 9, 10, 13, 19, 21, 27, 30, 31
Requin	1, 6, 9, 14, 17, 31



<b>Rig</b>	<b>Detail Notes</b>
S18	1, 9, 10, 13, 19, 21, 31
Sidewinder	1, 5, 6, 7, 9, 11, 31
Sigma Tandem	1,7,12,14,17,25,31
Skyporter	1, 11, 19, 25, 31, 40
Sky Sport (Yu)	1, 6, 12, 17, 25, 40
Spark2	1,7,14,17,31,40
Spirit	1, 6, 11, 18, 25, 31
Sprint	1, 9, 10, 13, 19, 21, 27, 31
Status	1, 6, 11, 18, 25, 31
Spekon Style since 08/00 until 05/02	1, 6, 12, 17, 25, 31, 37
Spekon Style Expert / Student since 06/02	1, 7, 11, 17, 25, 31
Supra	1, 5, 7, 9, 11, 18, 31
Sweethog 1-pin	1, 6, 9, 12, 17, 25, 26, 31
Sweethog XN, X-XN	2, 6, 9, 12, 17, 25, 26, 31
Sweethog Deuce 2-pin	1, 9, 12, 17, 26, 27, 29, 31
Swesda	1, 12, 17, 31, 32, 40
Swift	1, 5, 6, 7, 9, 11, 17, 27, 31
Swift II	1, 5, 6, 7, 9, 17, 19, 21, 27, 31, 32
Talon	1, 5, 6, 7, 11, 18, 31
Talon 1994	2, 11, 18, 29, 31, 34
Talon 2	1, 11, 18, 31, 40
Tear Drop 1-pin	1, 9, 10, 13, 19, 28
Tear Drop 2-pin	1, 9, 10, 13, 19, 21, 27, 31
Telesis	1, 5, 6, 7, 9, 11, 18, 31
Top Flyer V	1, 5, 6, 7, 9, 11, 18, 31
Top Flyer VI	1, 5, 6, 7, 9, 13, 17, 31
Ultra I	1, 5, 6, 7, 9, 11, 18, 31, 39
Ultra II	1, 5, 6, 7, 9, 12, 17, 31, 37



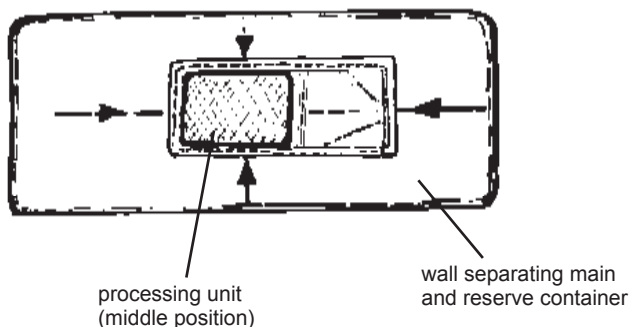
<b>Rig</b>	<b>Detail Notes</b>
Vector I	1, 5, 6, 7, 9, 11, 18, 25, 31
Vector II	1,5,6,7,9,11,17,25,31,37
Vector III	1,5,6,7,9,12,14,17,25,31
Vector Tandem I	1, 5, 6, 7, 11, 18, 23, 31
Vector Tandem II	1,5,6,7,11,17,23,25,31
Vectra	1, 7, 9, 12, 17
Voodoo	1, 11, 18, 31, 40
Vortex	1, 13, 19, 31, 38, 40
Vulcan	1, 5, 6, 7, 9, 11, 18
Warp III with round reserve	1, 6, 9, 13, 19, 22, 27, 31
Warp III with square reserve	1, 6, 9, 14, 17, 23, 31
Wings	1, 19, 31, 38, 40, 42
Woomera III	1, 6, 11, 18, 31
Wonderhog II with round reserve	1, 6, 9, 13, 17, 22, 27, 31
Wonderhog II with square reserve	1, 6, 9, 14, 17, 23, 31
Zenit	1, 6, 11, 17, 31
Zerox	1, 5, 6, 7, 11, 17, 31



## INSTALLATION DETAILS AND NOTES

### 1. Processing Unit mounting:

Located in the original Airtec supplied spandex pocket which is positioned such that the Processing Unit (not the pocket) is centered both horizontally and vertically on the dividing wall between the main and reserve container. The pocket should be securely sewn around the perimeter, close to the edge of the binding tape.



### 2. Processing Unit mounting:

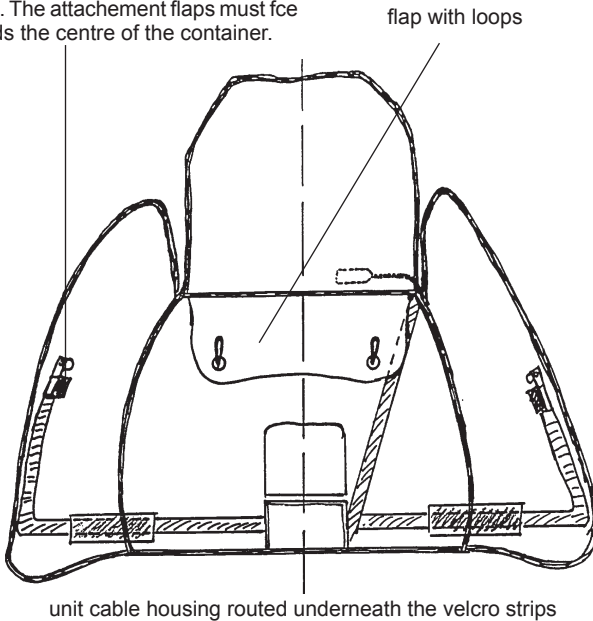
In narrow rigs, with limited divider wall space, a smaller version of the standard pocket is used so that the Processing Unit can be centered. All other details are the same as in note 1.



### 3. Processing Unit mounting:

A shortened version of the standard pocket is located centered width-wise on the bottom of the packing tray with the cable pocket portion located near the dividing wall. The pocket should be securely sewn around the perimeter, close to the edge of the binding tape.

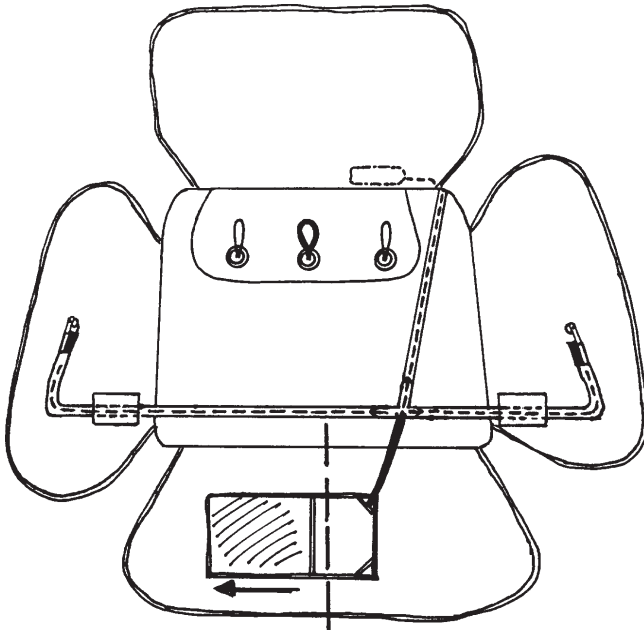
If the elastic housing attachment flaps cannot be sewn with a machine they should be stitched by hand using wax thread. The attachment flaps must face towards the centre of the container.





#### 4. Processing Unit mounting:

Located in the original Airtec supplied spandex pocket which is positioned such that the Processing Unit (not the pocket) is centered both horizontally and vertically on the portion of the lower reserve container flap which forms the dividing wall between the main and reserve container when the reserve is packed. The pocket should be securely sewn around the perimeter, close to the edge of the binding tape.



**5. Control Unit mounting:**

Located under the reserve container protector flap, oriented vertically. Secured with ties, velcro, or located in clear pouch. Must not ever be allowed to come into contact with the reserve ripcord housing.

**6. Control Unit mounting:**

Located under the reserve container protector flap, oriented horizontally near the top of the flap. Secured with ties, velcro or located in clear pouch. Must not ever be allowed to come into contact with the reserve ripcord housing.

**7. Control Unit mounting:**

Located inside the collar area above the reserve container horizontally. Must not be allowed to come into contact with the reserve ripcord housing. Note during packing: When the top flaps are folded completely open (to insert the freebag, etc.) make sure that the reserve housing does not smash or damage the display of the Control Unit.

**8. Control Unit mounting:**

Located in the cavity of the flap below the last cover flap. The cable is routed through a hole in the lower container flap.

**9. Control Unit mounting:**

Located on the front shoulder pad portion of the rig below the 3-ring release in a pocket, or the clear plastic pocket.



## 10. Control Unit mounting:

Located under the pin protector flap on the back of the rig left (preferred) of the ripcord housing. Must not ever be allowed to come into contact with the reserve ripcord housing.

## 11. Cutter mounting:

Located on the first flap to cover the pilot chute. (Typically the right side flap, „#3“.) The cutter elastic should be sewn in place and positioned so that the cutter hole is located at the inside (typically left) edge of the grommet hole.

## 12. Cutter mounting:

Located beneath the pilot chute on the bottom inside flap, on top of the freebag/reserve canopy. The cutter elastic should be sewn in place horizontally and positioned so that the cutter hole is located at the top edge of the grommet hole.

## 13. Cutter mounting:

Located on the bottom of the container (the packing tray), oriented horizontally.

## 14. Cutter mounting:

Located on the bottom flap covering the pilot chute. The cutter elastics should be sewn in place positioned so that the cutter holes are located at the top of the grommet holes.

## 15. Cutter mounting:

Located on the right and left side flaps. The cutter elastics should be sewn in place positioned so that the cutter hole is located at the inside (typically left) edge of the grommet hole.

**16. Cutter mounting:**

Located on the bottom of the container (the packing tray), with the cutters angled 30° from horizontal.

**17. Cutter Cable routing:**

The cable runs through a channel from the Processing Unit to the Cutter Elastic. The channel should be sewn in place on the container flap. The cable does not go through any hole in any flap.

**18. Cutter Cable routing:**

The cable runs through a channel from the Processing Unit to the Cutter Elastic. The cable passes through a hole made in the bottom inside flap. (Typically „#1“). The channel should be sewn in place.

**19. Cutter Cable routing:**

The cable runs through a channel from the Processing Unit to the Cutter Elastic(s) on bottom (packing tray) of the rig. The cable does not go through any hole in any flap.

**20. Cutter Cable routing:**

The cables run through channels from the Processing Unit to the Cutter Elastic on the container flap. The channels are routed beneath the corner velcro strips and should be sewn in place.

**21. Miscellaneous:**

The control unit cable should be routed beneath the ends of the cutters and secured in place with waxed hand tacking thread. This supports the ends of the cutters providing added protection to the cutter cable connection.



**22. Miscellaneous:**

Can only be used with round reserves.

**23. Miscellaneous:**

Can only be used with square reserves.

**24. Miscellaneous:**

Flaps #3 and #4 are reversed compared with the order normally used by most manufacturers. Thus the cutter is mounted on flap #4 (the right flap), and the right flap is closed before the left. The closing sequence is therefore 1 - 2 - 4 - 3 - 5 - 6.

**25. Miscellaneous:**

It is necessary to use these specific model pilot chutes with these particular rigs:

Advance In, use original pilot chute EXS 1XX

Atom, use Quick 3 pilot chute.

Eclipse, use Eclipse pilot chute P/N 1000-2.

Icon, use original Icon pilot chute.

Ininity (1998), use original Ininity pilot chute

Mirage, use original Mirage pilot chute

all Next, use original (Vector-II) or Paratec 50140 pilot chute

Sky Sport (Yu), use original Vector-II pilot chute.

Skyporter, use Vector-II pilot chute.

Spekon Style from 08/00 until 05/02, only use original Vector-II pilot chute.

Spekon Style Expert / Student since 06/02, use Optimus 1/16.

Sweethog, XN, X-XN use pilot chute P/N SP0011B.

Vector-I, Vector-II, Tandem Vector-II use Vector-II pilot chute.

Vector-III, use Vector-II pilot chute.

Vector Sigma, use Vector-II pilot chute.

**26. Miscellaneous:**

The flap that the cutter(s) are mounted on is stiffened with plastic to protect the cutter(s) and cables from the pilot chute spring base. The cutter(s) are covered on the inner side by a velcro secured flap.

**27. Loop:**

Dual closing loop is used with out any washers.

**28. Loop:**

No Silicon lubricant is used on the closing loop.

**29. Miscellaneous:**

Retrofit installation (where the rig was not originally outfitted with the CYPRES setup) is done by the harness / container manufacturer.

**30. Loop:**

In the U.S. because of TSO requirements, follow the harness / container manufacturers special instructions concerning the closing loop.

**31. Loop:**

The entire reserve loop should be impregnated with silicone except for 1/2" (1cm) next to the disc. Treat with silicon after knot is tied to avoid slippage. Running loops have to be treated completely with silicone prior to installation in the container.



### 32. Cutter mounting:

For the cutter close to the main container:

Located beneath the pilot chute on the bottom inside flap, on top of the freebag/reserve canopy. The cutter elastic should be sewn in place horizontally and positioned so that the cutter hole is located at the top edge of the grommet hole.

For the cutter in the collar area:

Located on the bottom of the container (the packing tray), oriented horizontally.

### 33. Miscellaneous:

If installed originally by the rig manufacturer, deviations are possible.

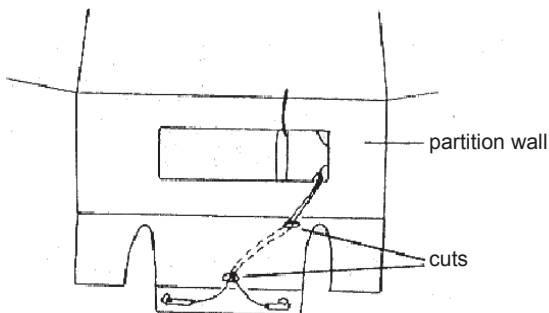
### 34. Miscellaneous

Installations where the control unit is mounted on the front of the rig have to be modified according to the rig manufacturers instructions. Control unit has to be located on the upper back pad of the rig. Instructions are available at Rigging Innovations (fax no.: US (909) 928 1538). Installations where processing unit is located on the reserve packing tray have to be modified (see page 6, no. 1 and no. 2).



### 35. Cutter cable routing:

The cable(s) is(are) routed through the layer(s) of the reserve flap.



### 36. Control cable routing:

Routed through the layers of the backpad and top reserve flap. No cable channel and no cuts are necessary.

### 37. Cutter mounting:

In the case that there is a round reserve installed in the rig, the cutter has to be located under flap # 3. This will prevent that canopy material gets torn in the hole of the cutter during packing.

### 38. Miscellaneous:

In order for the cutter to be located on the bottom of the container it is necessary to use the original free bags with these particular rigs:

Advance use Advance reserve free bag.

Dolphin use Dolphin reserve free bag.

Javelin use Javelin „molar“ reserve free bag.

Vortex use Vortex reserve free bag.

Wings use Wings reserve free bag.



### 39. Cutter mounting:

The order of flaps 3 and 4 can be reversed compared with the order normally used by most manufacturers. In this case the cutter has to be mounted on flap # 4 (the right flap), and this flap has to be closed before the left one. It is useful to change the numbers on the side flaps, this will help other riggers/reservepackers to close the container in the correct sequence.

### 40. Control unit mounting:

The control unit is mounted in a clear plastic window vertically or horizontally in the backpad of the rig.

### 41. Cutter mounting:

Located beneath the pilot chute on the bottom inside flap, on top of the freebag. The cutter elastic is mounted in an angle of apx. 10°.

### 42. Cutter mounting:

Located on the bottom of the container (the packing tray), oriented vertically.

### 43. Control unit mounting:

The control unit is mounted horizontally in a clear plastic pouch in the reserve pin covering flap.

### 44. Control unit cable:

The control unit cable comes out of the bottom corner of the processing unit pouch towards the back pad. It's then inserted into a small cable channel (which is sewn) before it's inserted into the entry hole on the back pad.



## CUTTER REPLACEMENT SERVICE CENTERS

(Only necessary for older CYPRES units with non - field replaceable cutter(s).)

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