SUPAIR

English



WALIBI 3

User's manual

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Thank you for choosing the WALIBI 3. We are glad to be able to share our common paragliding passion with you.

SUPAIR has been designing, producing and selling free flying equipment since 1984. By choosing a SUPAIR product you benefit from almost thirty years of expertise, innovation and listening. This is also our philosophy : working endlessly to develop better products and to maintain a high quality production.

We hope you will find this user's manual comprehensive, explicit and hopefully enjoyable as well. We advise you to read it carefully.

You will find the latest up to date information about this product on our website **www.supair.com.**
If you have any further questions, feel free to ask one of our retailers for answers. And naturally, the entire SUPAIR team is at your disposal on **info@supair.com.**

We wish you many safe enjoyable flying hours, and happy landings

Team SUPAIR

LIST OF CONTENTS

Introduction 4
Technical specifications 5
Size choice 6
Nomenclature 7
Harness Overview 8
Accessories assembly 9
Carabiners 9
Neoprene sleeve 9
Backrest protection 11
Bumpair 12
Installing the reserve parachute 13
Reserve parachute characteristics 13
POD reserve parachute handle connection 13
Parachute risers – harness connection 14
Place the risers inside the neoprene sleeve 16
Place the risers inside the sleeve 17
Riser connection – reserve parachute 18
Installing the reserve parachute in the container 19
Locking the reserve parachute handle 26
Gear packing and tips 28
Adjustments 29
The various adjustments 29
Adjusting the harness 30
Wing/harness Connection 31
Flight phases 32
Pre-Flight check 32
Take-off 32
In flight 33
Landing 33
Using the reserve parachute 34
Towing 34
Mandatory controls 34
In case of an incident 35
Maintenance 36
Harness cleaning and maintenance 36
Storage and transport 36
Product longevity 36
Repairs / spare parts 37
Materials 37
Recycling 37
Warranty 38
Disclaimer 38
Pilot's gear 38
Cobra Buckles 38
Shock Absorber 39
Service Book 40
Annex Cobra Buckles 38

INTRODUCTION

Welcome to the world of paragliding according to SUPAIR, a world of shared passion.

The Walibi 3 harness is aimed at professional pilots and flying enthusiats. Comfort, lightness and durability dictated its design and the materials chosen by our R&D team.

The WALIBI 3 harness was certified EN 1651 : 2018 and LTF Nfl II 91/09. Indicating that it meets European and German safety requirements.

After reading this manual, we suggest you to check your harness in static hang-posts to adjust it before your first flight.



N.B : Three important icons will help you when reading this manual :

Advice

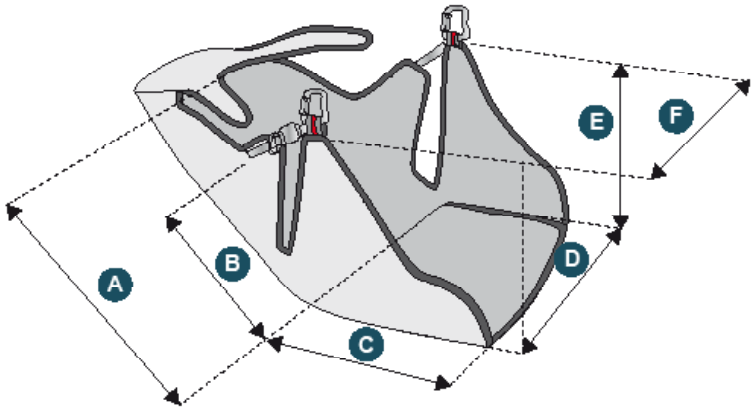
Caution !

Danger !!

TECHNICAL SPECIFICATIONS

	Harness size	SM	L
	Pilot size (cm)	160-180	175-200
	Pilot weight (mini - maxi) (kg)	60 - 85	80 -120
	Harness weight (+ carabiners+speedbar)(kg)	3,41	3,74
	Designed for	Tandem (pilot)	
A	Back lenght (cm)	63	70
B	Backrest tilt adjustment (cm)	32	36
C	Seat length (cm)	46	49
D	Carabiners height (cm)	42	45
E	Carabiners distance (cm)	45	48
	Impact damping system	BUMPAIR	
	Certification	EN 1651 : 2018 - LTF Nfl II 91/09	
	Tandem (Pilot or Passenger)	Pilot	
	Towing	No	
	Quick-out carabiners compatibility	No	
	Reserve parachute pocket volume (liter)	7 to 10,4	

- **A** Back lenght
- **B** Backrest tilt adjustment
- **C** Seat length
- **D** Carabiners height
- **E** Carabiners distance



SIZE CHOICE

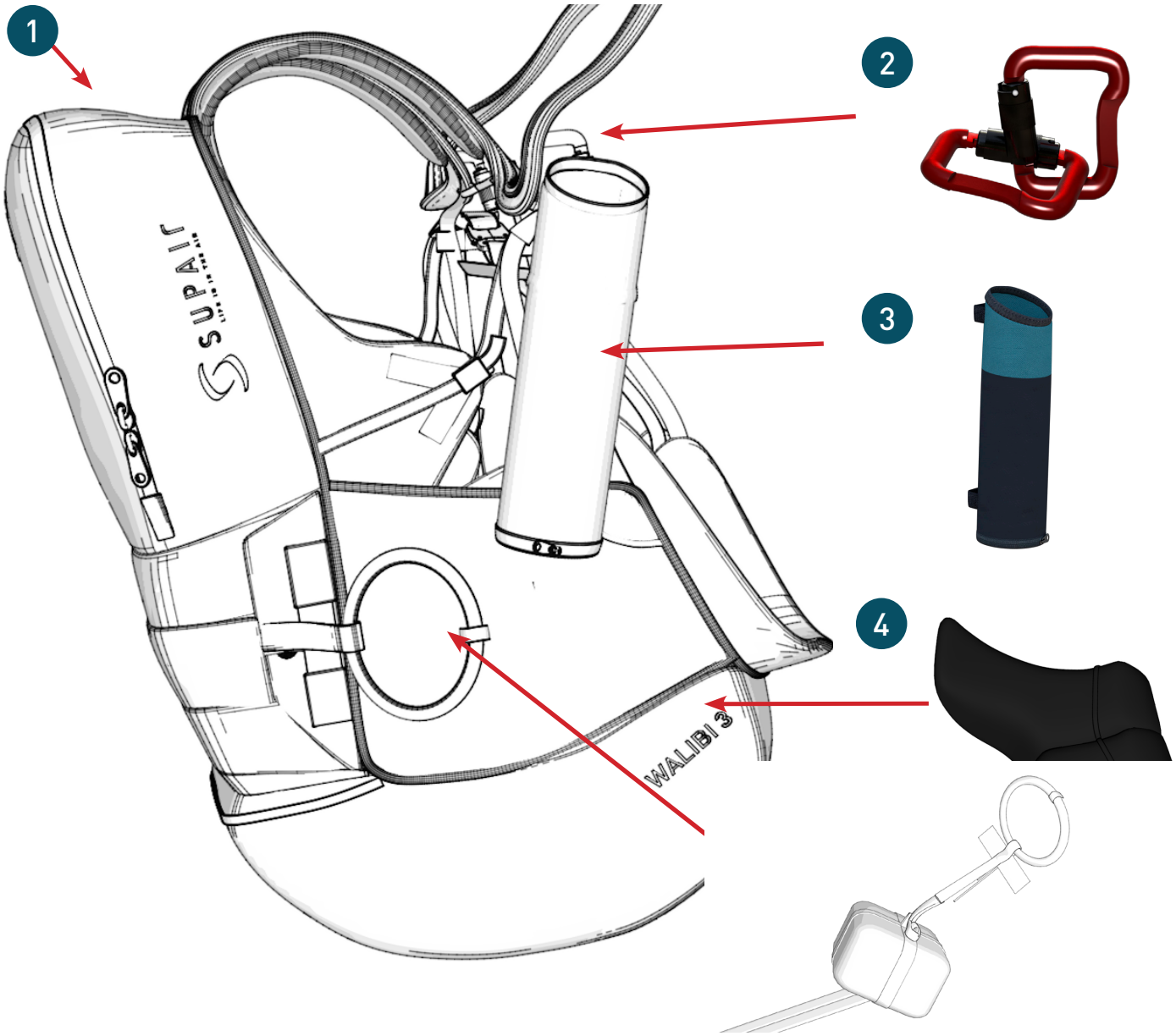
Choosing your harness size is important. You will find here below a height/weight table that will help you in your size choice. With its hammock architecture and its "lying flat" flying position, we advise you to try out the harness under a hanging device at one of our retailers in order to choose the correct size.

For a complete list of our retailers, please click here : **www.supair.com**

Taille **Poids**	1m60	1m65	1m70	1m75	1m80	1m85	1m90	1m95	2m00
50									
55		SM	SM						
60		SM	SM						
65	SM	SM	SM	SM					
70	SM	SM	SM	SM	SM				
75	SM	SM	SM	SM	SM		L		
80		SM	SM	SM		L	L		
85			SM		L	L	L	L	
90				L	L	L	L	L	L
95					L	L	L	L	L
100						L	L	L	L
110						L	L	L	L
120						L	L	L	L

Preliminary test under hanging device

NOMENCLATURE

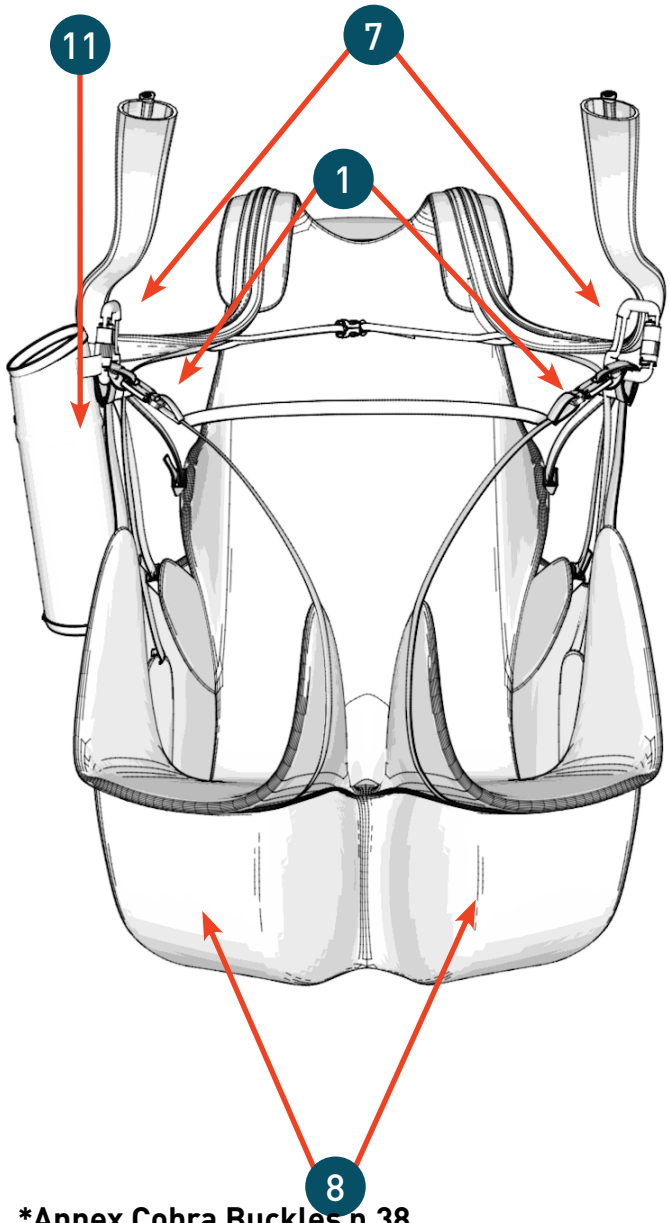


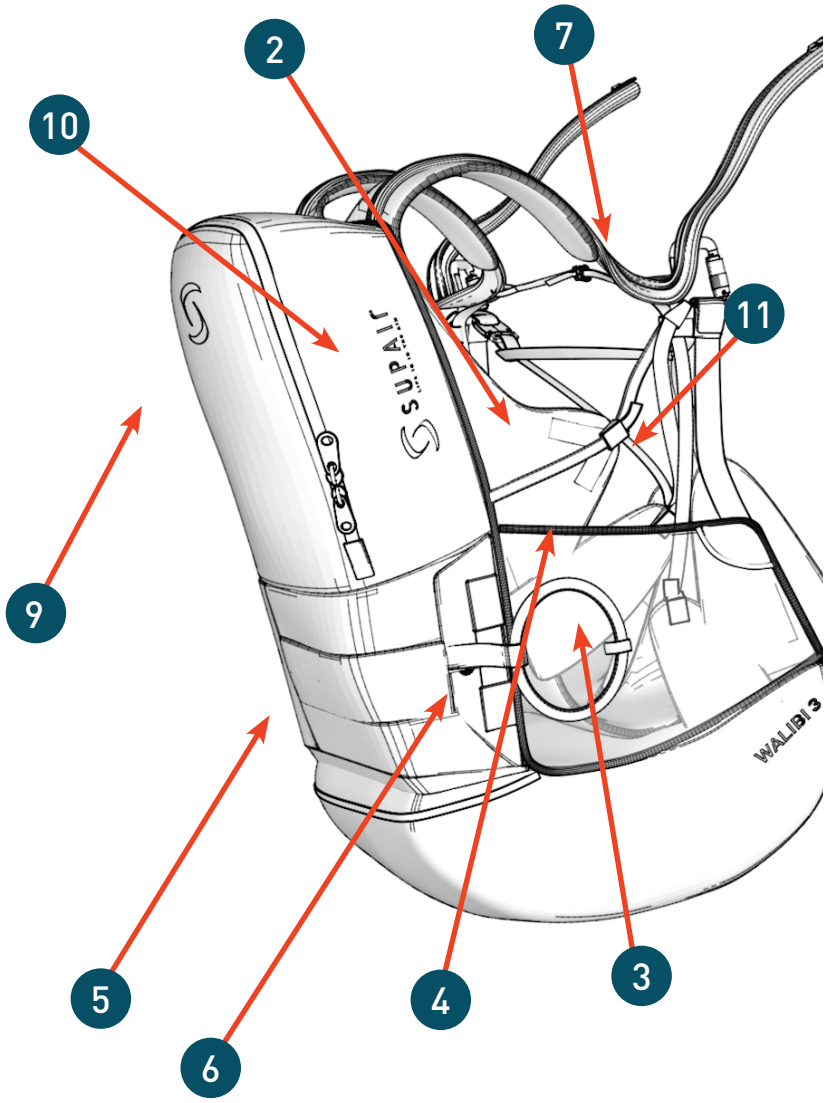
1. Harness
2. 2x 45 mm Zicral self-locking carabiners
3. Camera pocket
4. Bumpair WI3
5. POWI3 reserve parachute handle

Options

TANDEM DYNEEMA PARACHUTE RISERS
(réf. : ELEBIY)

HARNESS OVERVIEW





1. Cobra © buckles* (chest & legs)
2. Backrest angle adjustment
3. Shoulder strap adjustment
4. Lumbar support adjustment
5. Reserve parachute pocket
6. Reserve parachute handle
7. Paragliding main hooking points
8. Bumpair
9. Back storage pocket
10. Backrest protection
11. Camera pocket

***Annex Cobra Buckles p.38**

ACCESSORIES ASSEMBLY

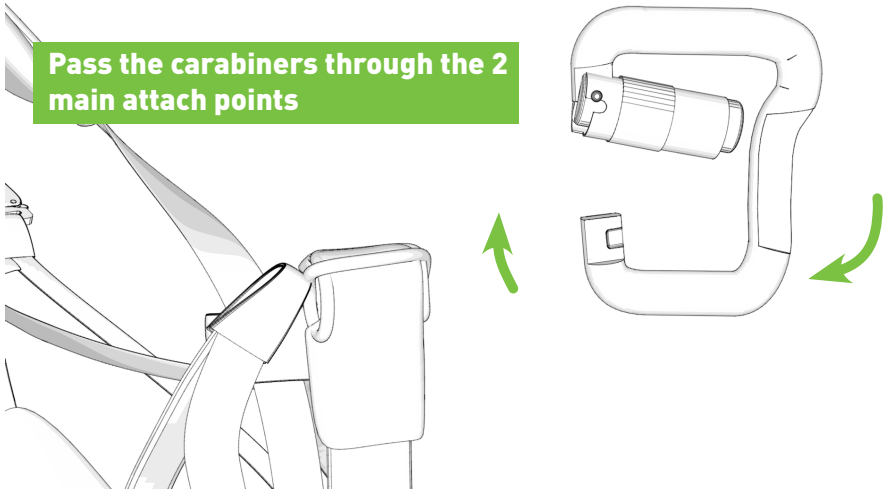
Carabiners

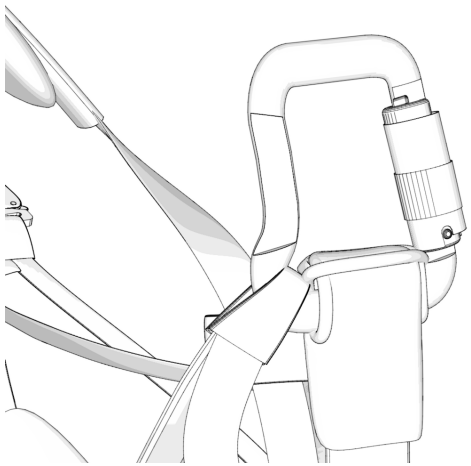
Compatible carabiners :

45 mm Self-locking zicral carabiners

Réf. : MAILCOMOUS45

Pass the carabiners through the 2 main attach points



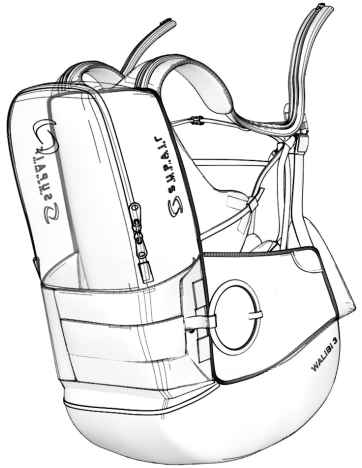


The Walibi 3 is designed with only the main attachment point for the carabiner. Do not attach yourself to any other place of the harness. There is no rescue attachment point and no towing attachment point.

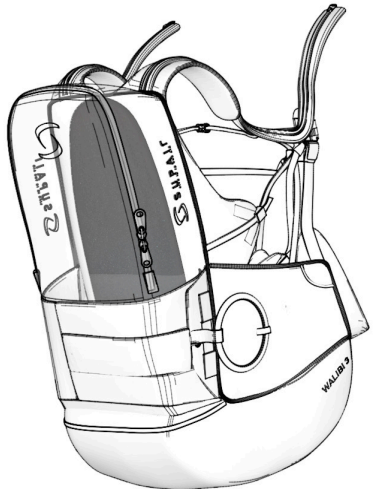
Backrest protection

Install the backrest protection

1. Open the dorsal pocket zip



2. Insert the back protection and close the zip



ACCESSORIES ASSEMBLY

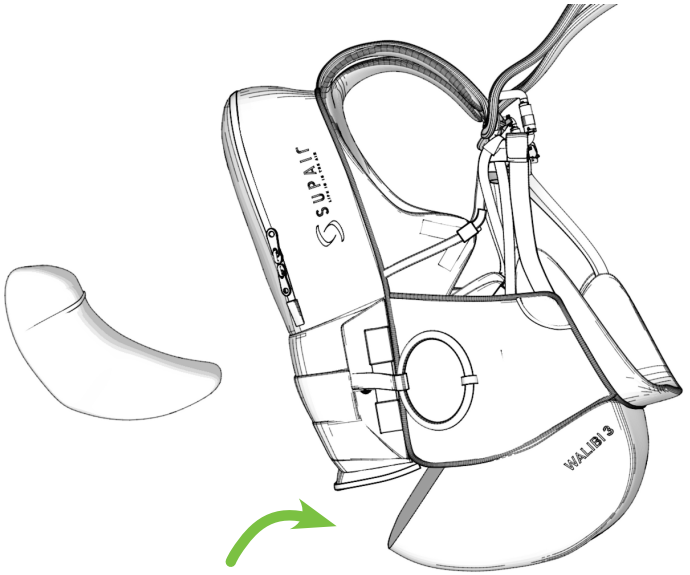
BUMPAIR

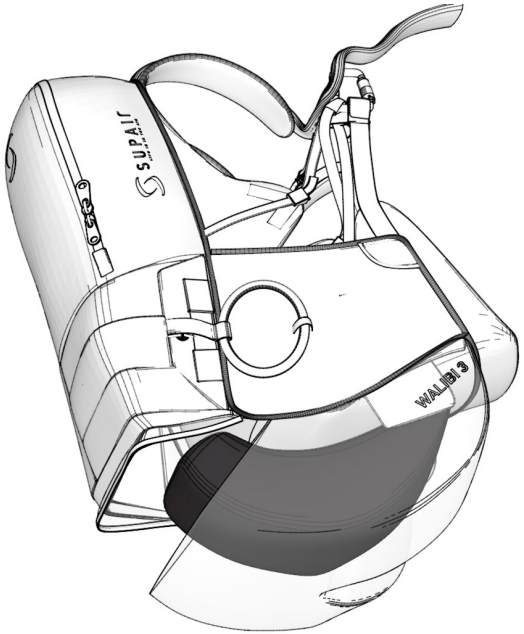
Compatible BUMPAIR :

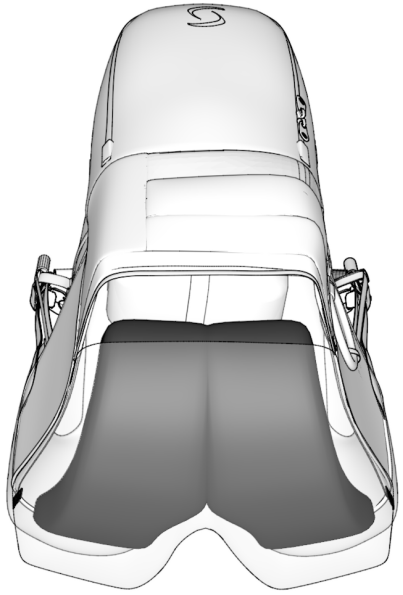
Bumpair WI3 Réf. : PROBUMPW3

Bumpairs assembly

1. Fold the harness at the neoprene cap level
2. Open the zip
3. Slide the 2 bumpairs in
4. Fasten the zip







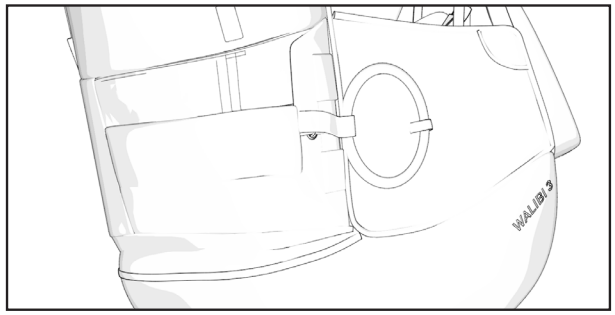
INSTALLING THE RESERVE PARACHUTE

Thank you for reading the following carefully ! We recommend for the initial rescue parachute assembly and installation to be made by a qualified professional.

Reserve parachute folding and installation inside the harness must conform to the specific guidelines found in this manual.

Rescue parachute pocket characteristics

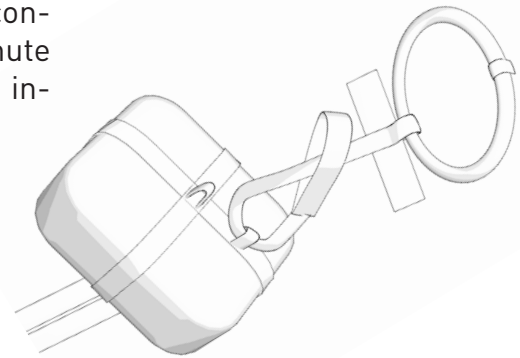
- Panels locked via cables
- Parachute volume 7 to 10,4 liters
- Adapted to all SUPAIR reserve parachutes



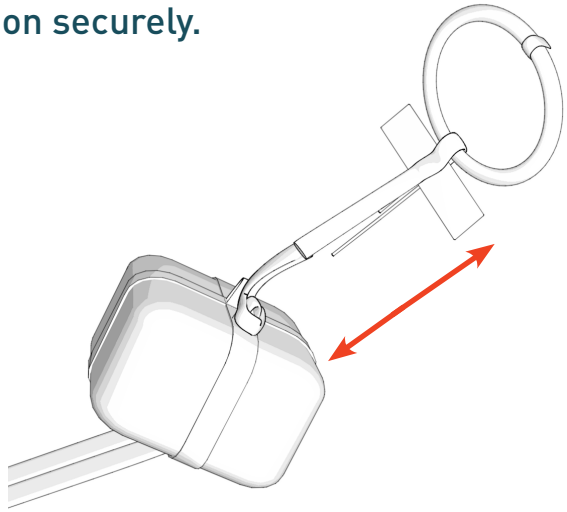
Connecting the handle to the POD

1 Fasten the reserve parachute handle bridle to the external pod loop via a Lark's head knot connection.

If you have a large reserve parachute, and feel a slight resistance during the pod extraction hang-test, connect the reserve parachute handle to the side loop instead.



2 Tighten the handle/POD connection securely.

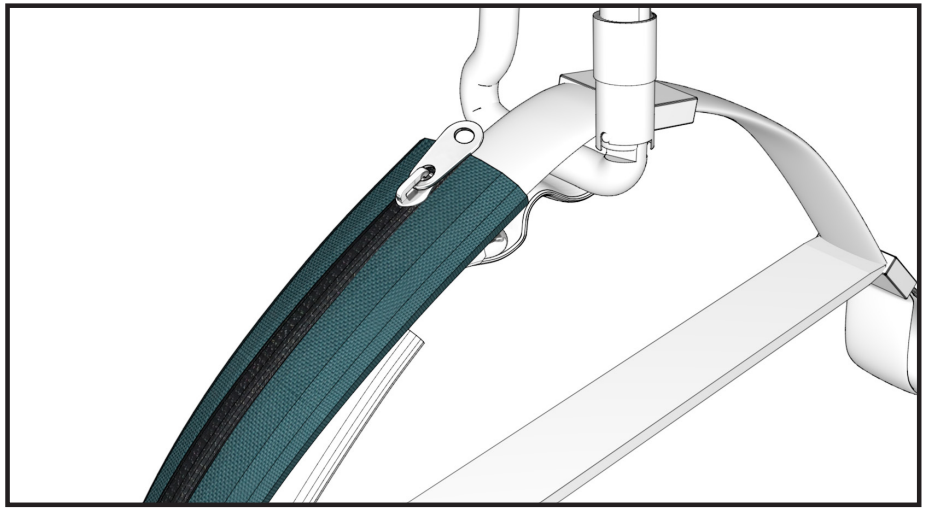


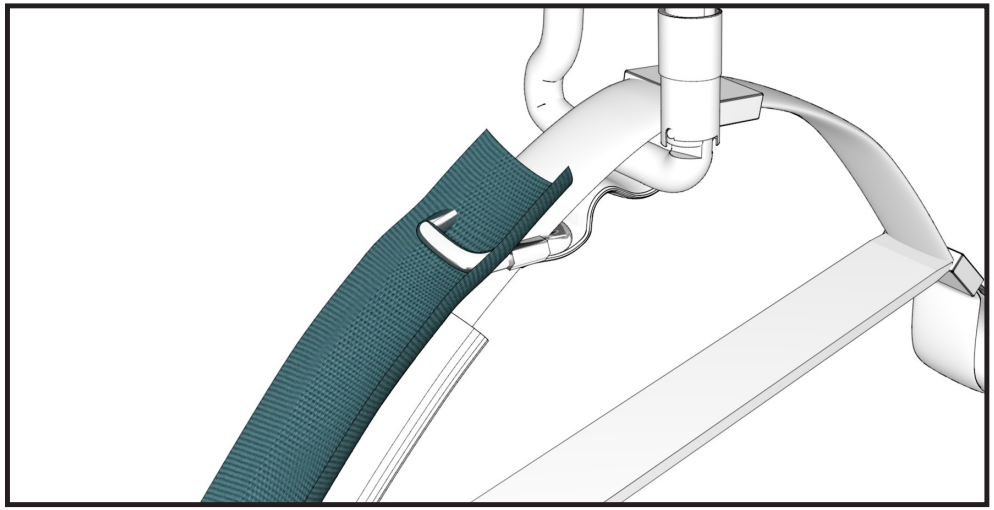
INSTALLING THE RESERVE PARACHUTE

Riser/Harness connection

>> Access to the reserve parachute connection points.

Open the sleeve located on the spreader bars to access the parachute's attach points.



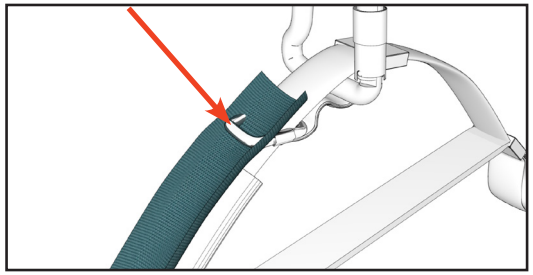


INSTALLING THE RESERVE PARACHUTE

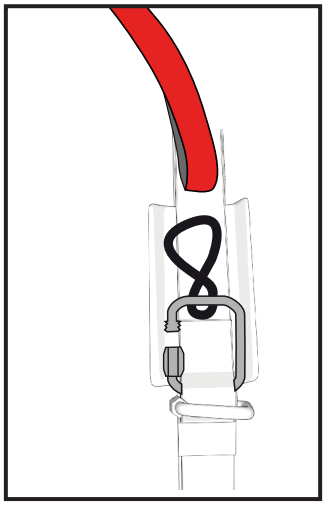
Riser/Harness connection

Fastening the risers to the harness with a set of 7mm square Maillons Rapides®.

Connect each riser to a spreader bar using a squared Maillon Rapide® and O-ring.



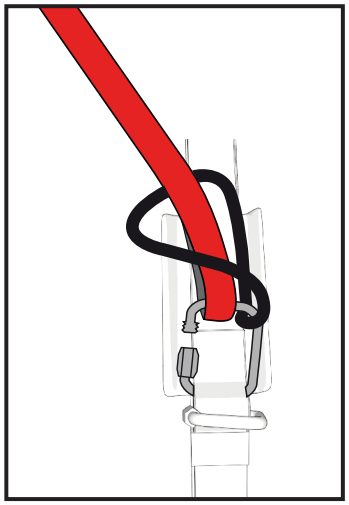
1



- Open the 7mm maillon Rapide®

- Push the toric ring through the Maillon Rapide® and twist it.

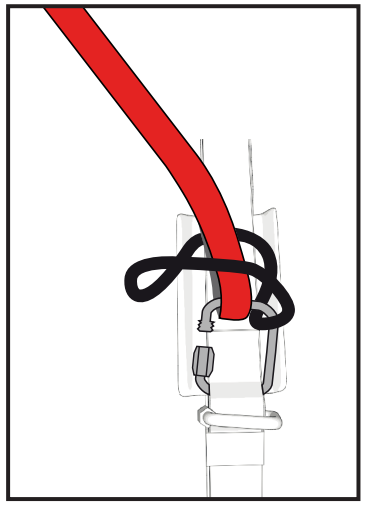
2



- Push the bridle connecting point through the toric ring loop

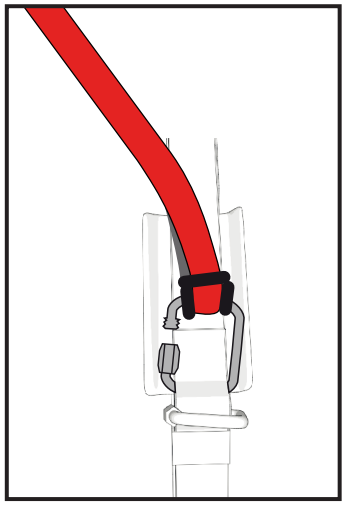
- Push the Maillon Rapide® through the bridle connection loop.

3



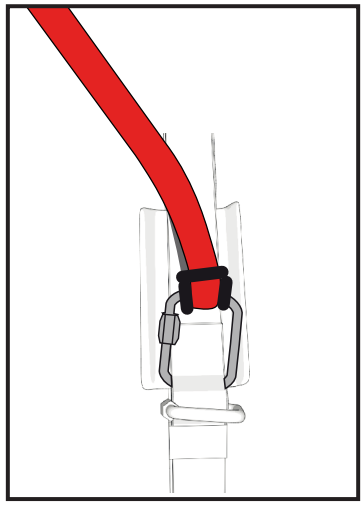
- Give the toric ring a second twist

4



- Push the bridle through the Maillon Rapide®

5



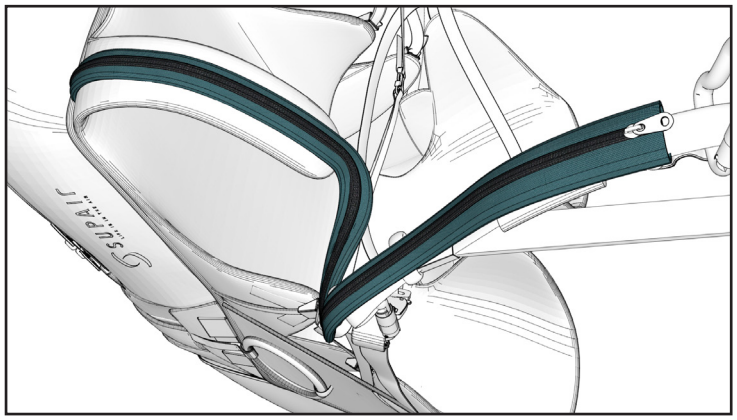
- Close the maillon Rapide® by hand, then tighten using a set of pliers and making a 1/4 turn.

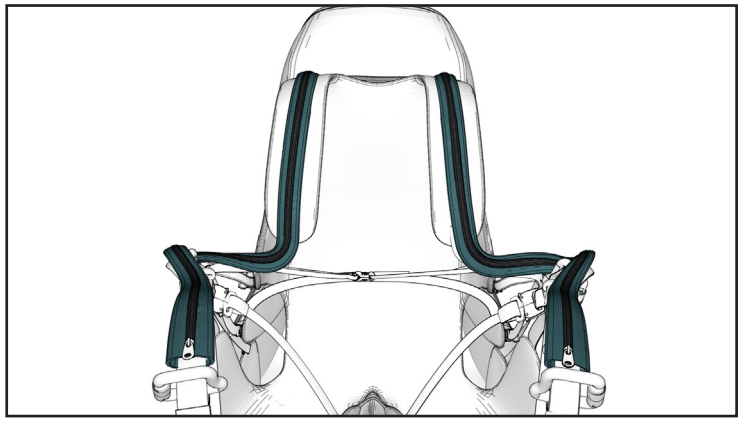
- Repeat the procedure with the second bridle connection loop.

INSTALLING THE RESERVE PARACHUTE

Place the risers inside the sleeve

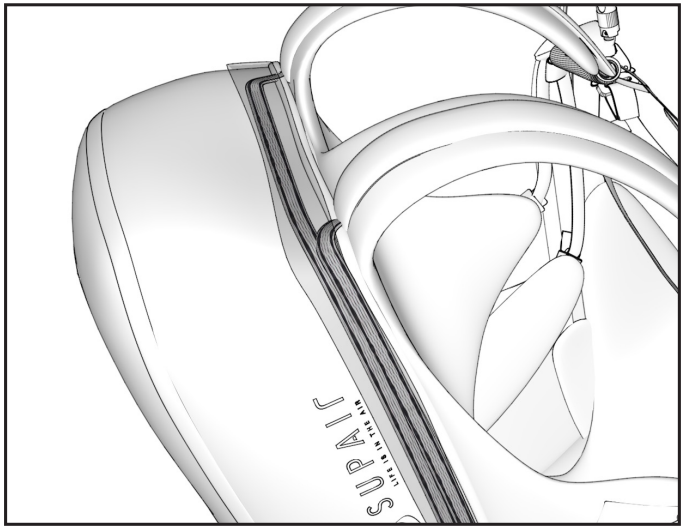
1 Pass the risers through their respective shoulder sleeve.

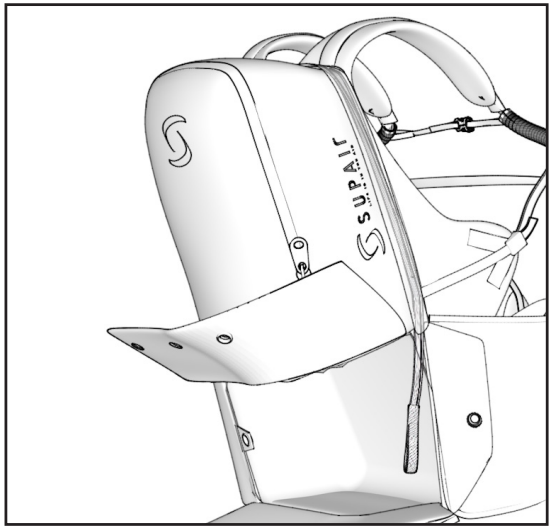




2 - Place the risers inside their guiding sleeve connected alongside the harness and bring them out through the reserve parachute container

- Use the Velcro to close the sleeve



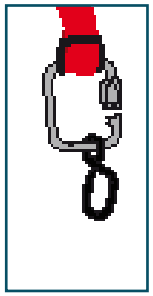


INSTALLING THE RESERVE PARACHUTE

Reserve parachute/risers connection

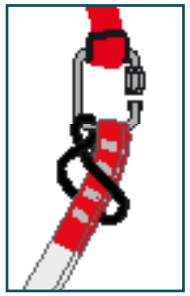
One (1) square 7mm Maillon Rapide® will be needed + two (2) flexible toric rings.

1



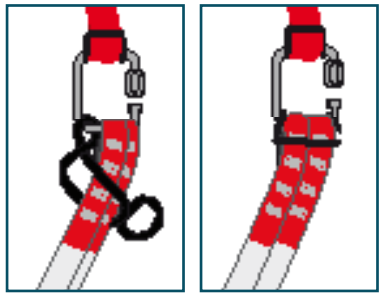
- Open the 7mm square Maillon Rapide®
- Push the maillon through the risers loops
- Push the maillon through the plastic ring
- Twist

2



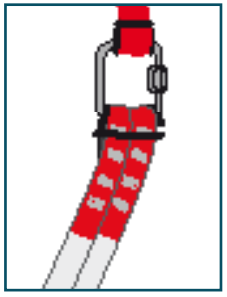
- Push the riser end through the toric ring loop.
- Push the maillon through the riser loop

3 4

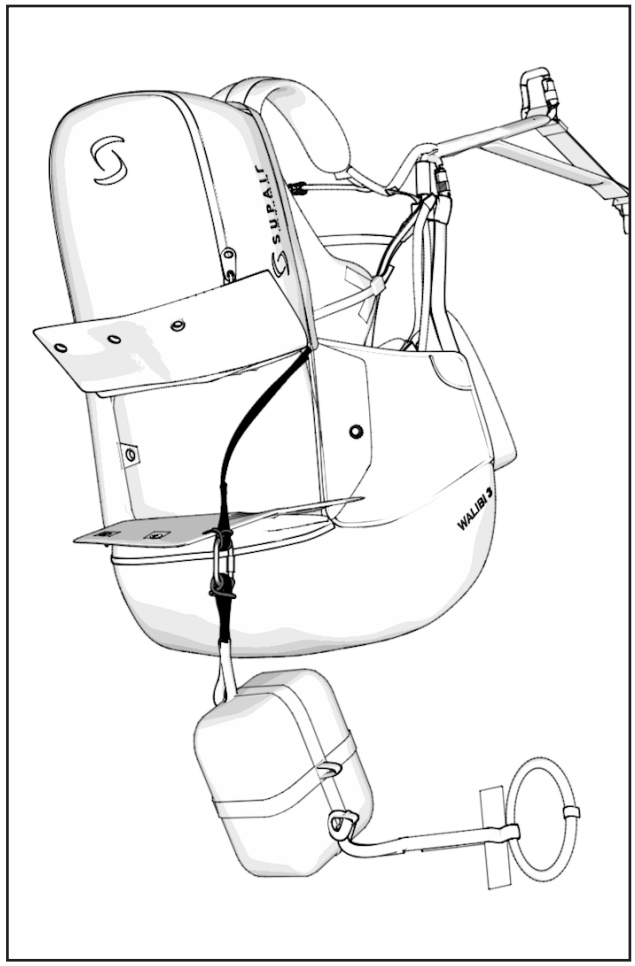


- Give a second twist to the plastic ring.
- Push the buckle through the maillon.

5



- Tidy up the assembly.
- Be certain for the riser end loops to be securely fastened.
- Close the Maillon Rapide® tightly by hand.
- Tighten using pliers and making a ¼ turn.



INSTALLING THE RESERVE PARACHUTE

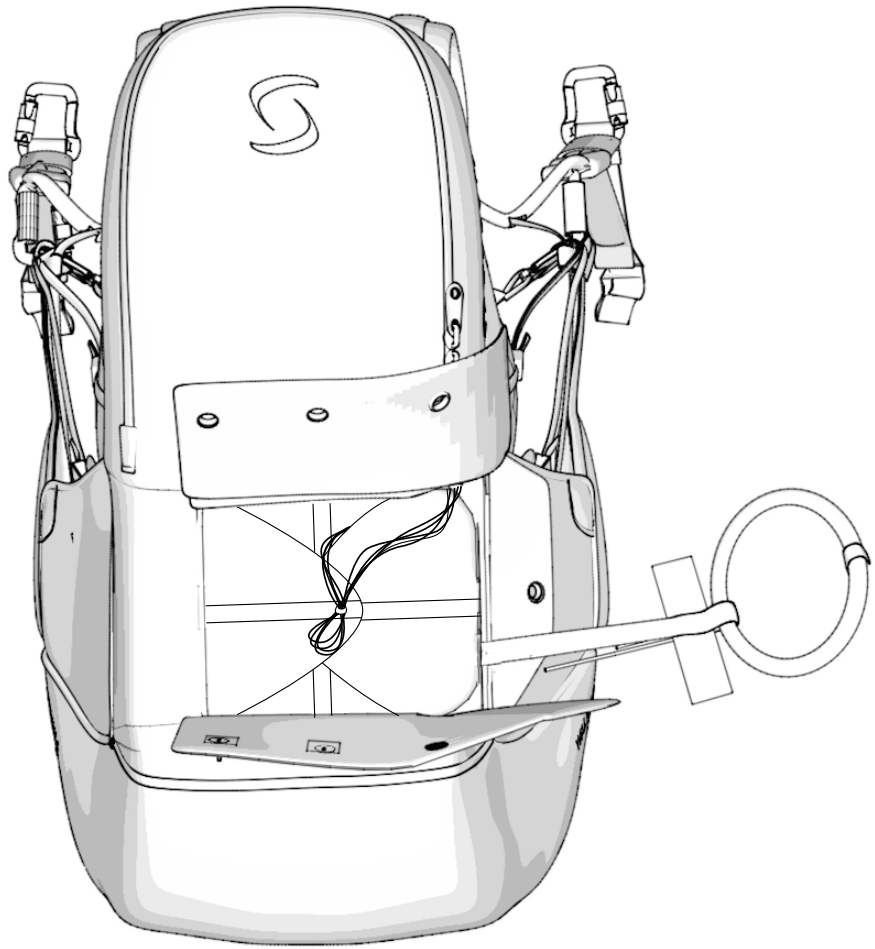
Installing the reserve parachute in its container

Thank you for reading the following carefully ! We recommend for the initial rescue parachute assembly and installation to be made by a qualified professional.

Reserve parachute folding and installation inside the harness must conform to the specific guidelines found in this manual.

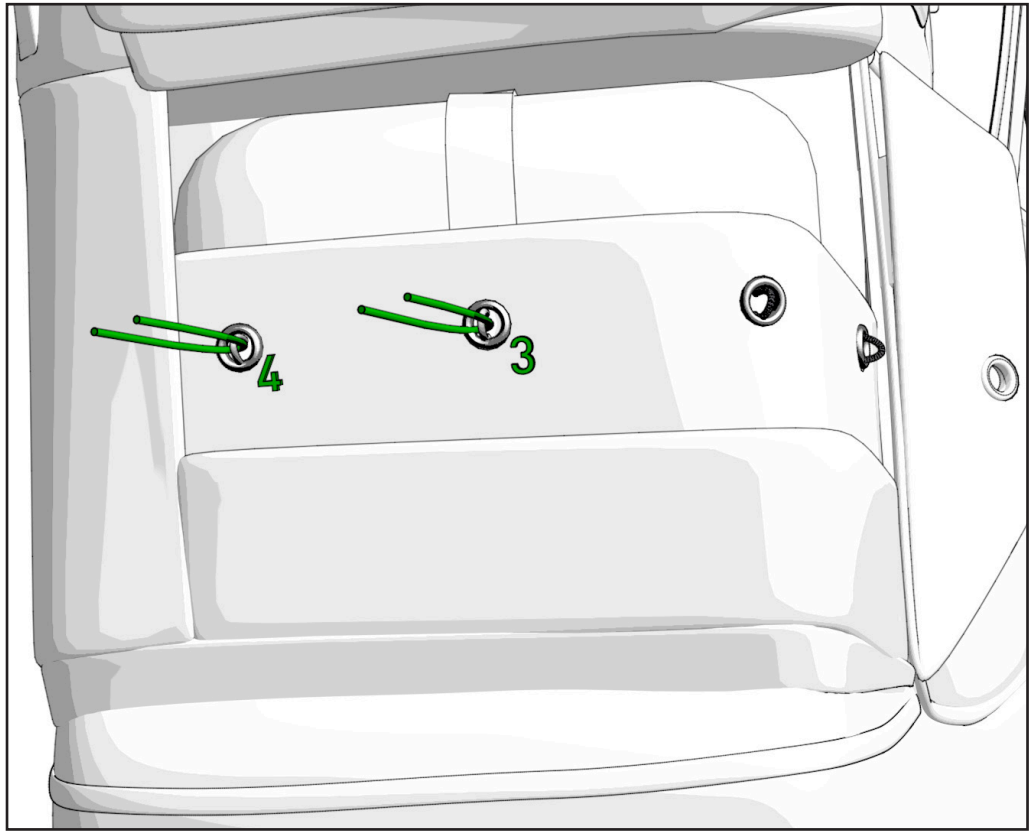
The Walibi 3 was not designed to be used with an outer container.

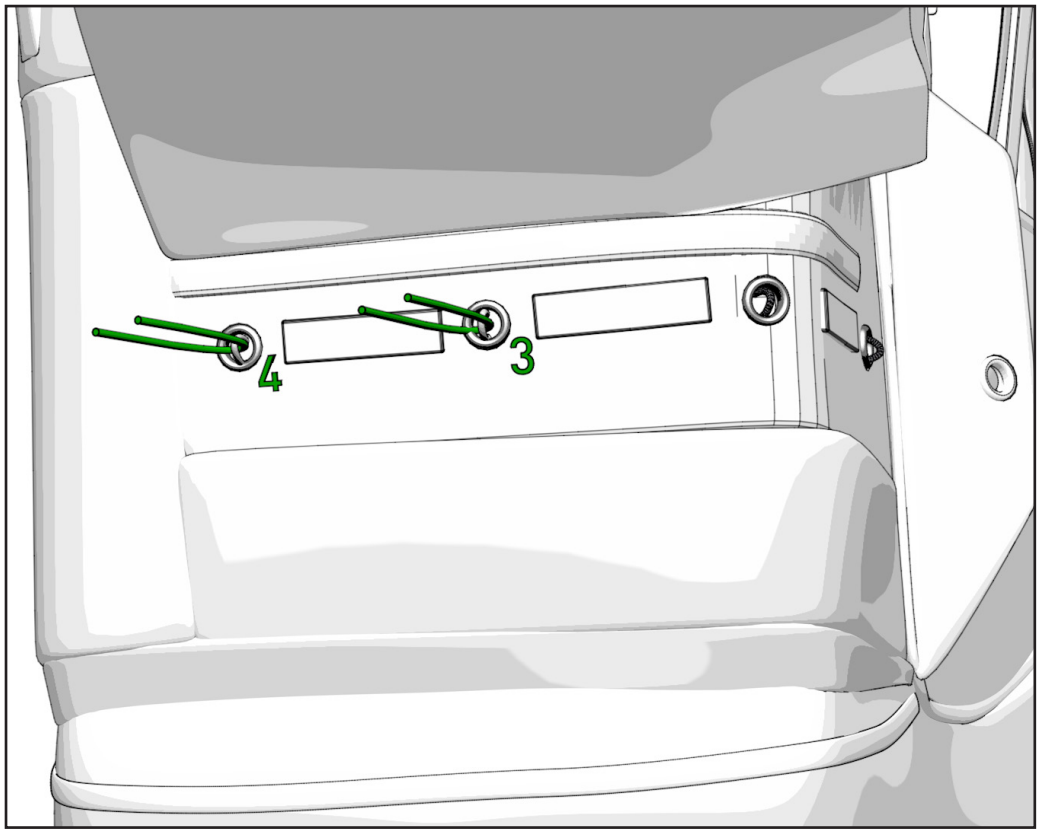
1 Place the reserve parachute inside the reserve parachute pocket with the handle on the right side.



INSTALLING THE RESERVE PARACHUTE

Installing the reserve parachute in its container





2

Pass the folding rod through the loops number 3 and 4

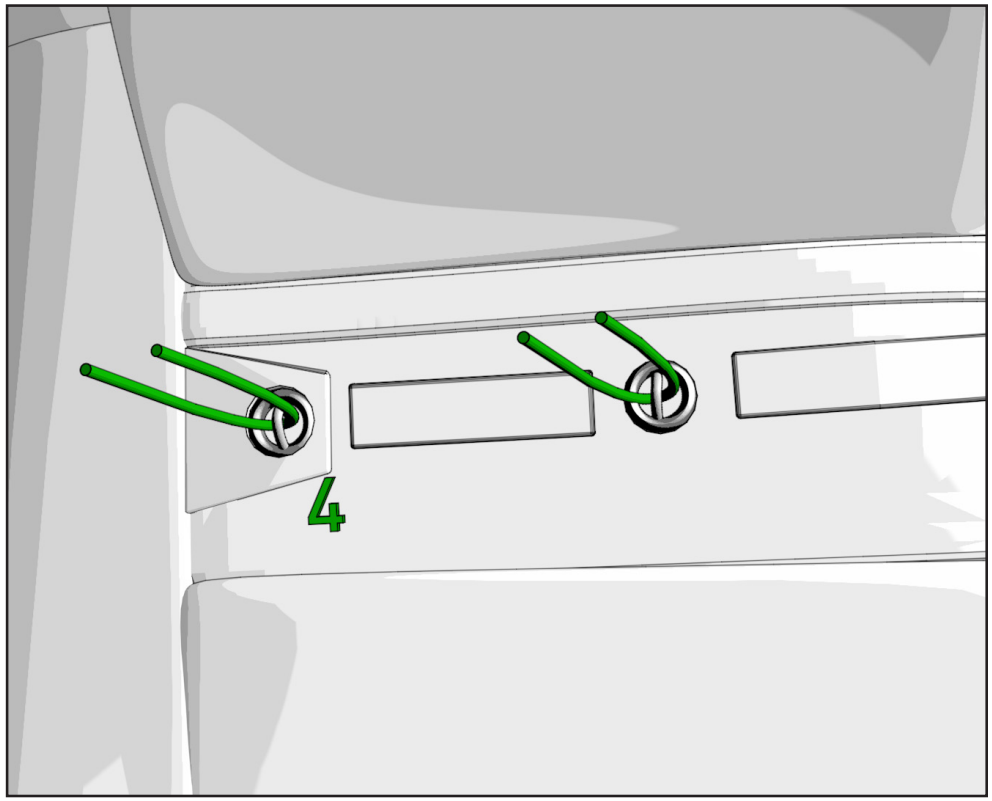
3

- Using the rod, pass the loops 3 and 4 through the gommets

- Store the side ears in their place

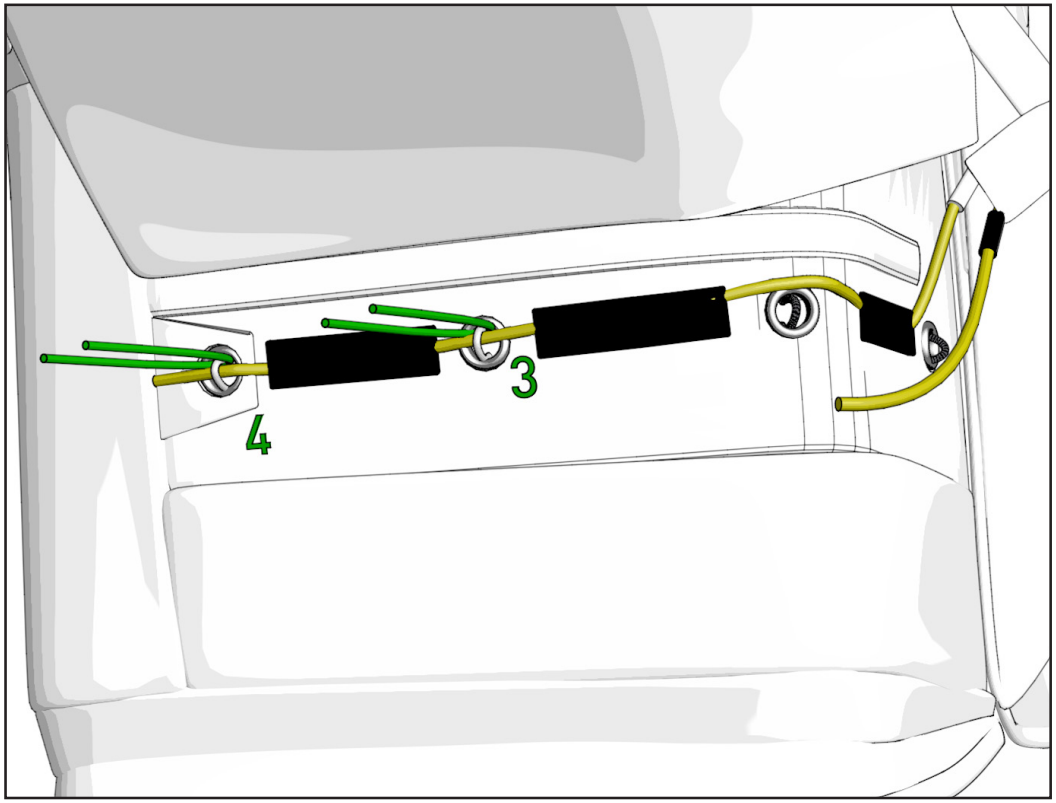
INSTALLING THE RESERVE PARACHUTE

Installing the reserve parachute in its container



4

Pass the loop 4 through the small side flap



5

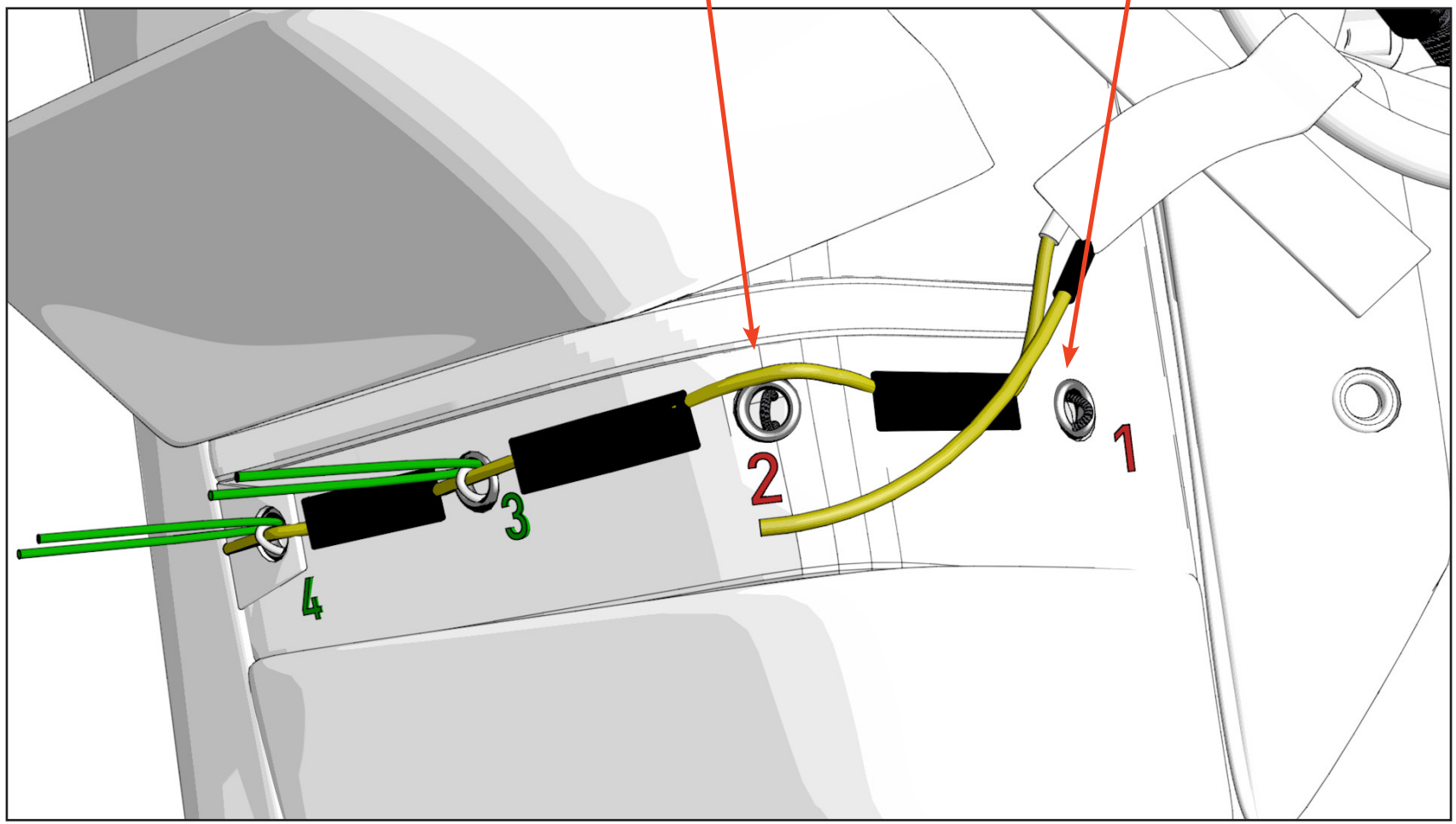
Pass the large rod through the guides through the loops 3 and 4 (white loops).

INSTALLING THE RESERVE PARACHUTE

Installing the reserve parachute in its container

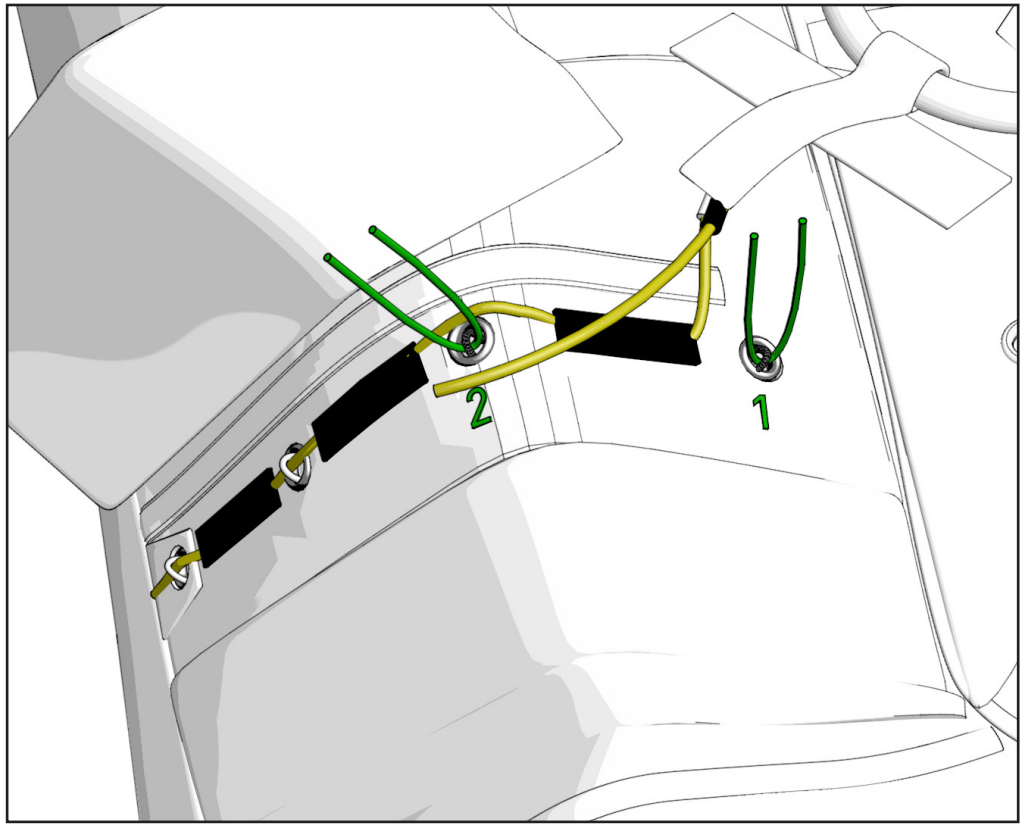
WARNING

Do not pass the big rod in black loops 1 and 2



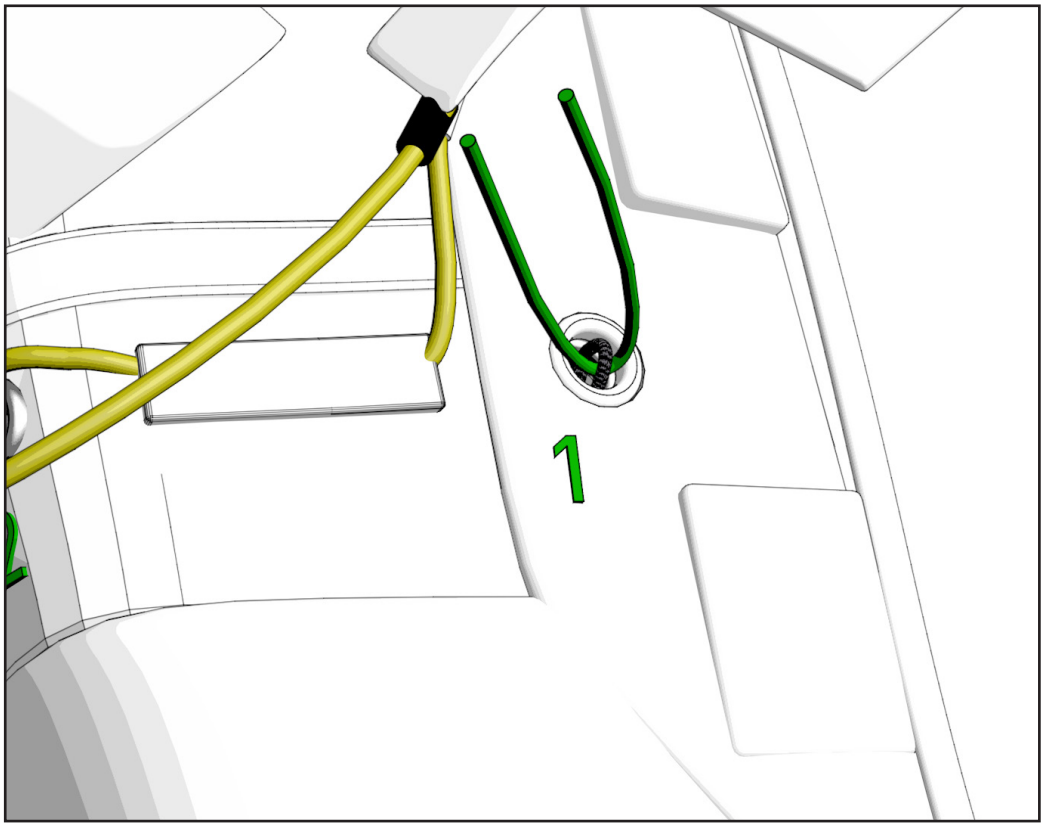
INSTALLING THE RESERVE PARACHUTE

Installing the reserve parachute in its container



6

Using the rod, pass the loops 1 and 2 through the gommets

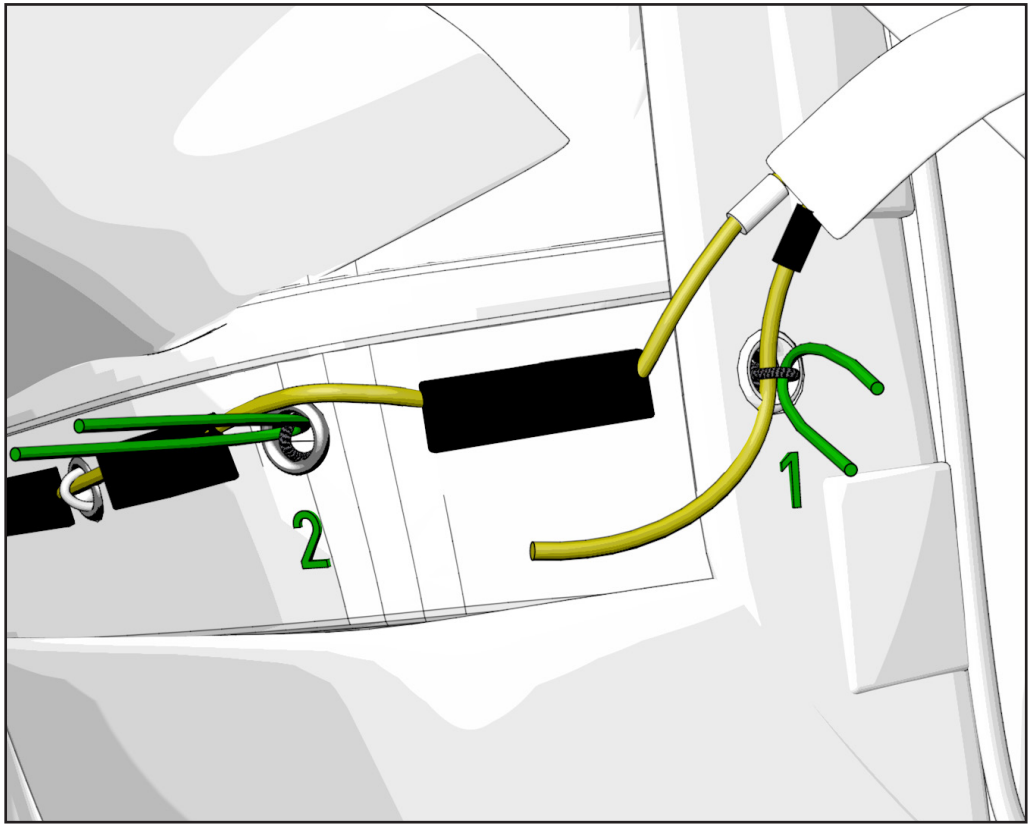


7

Pass the loop 1 in the side flap which will maintain the handle

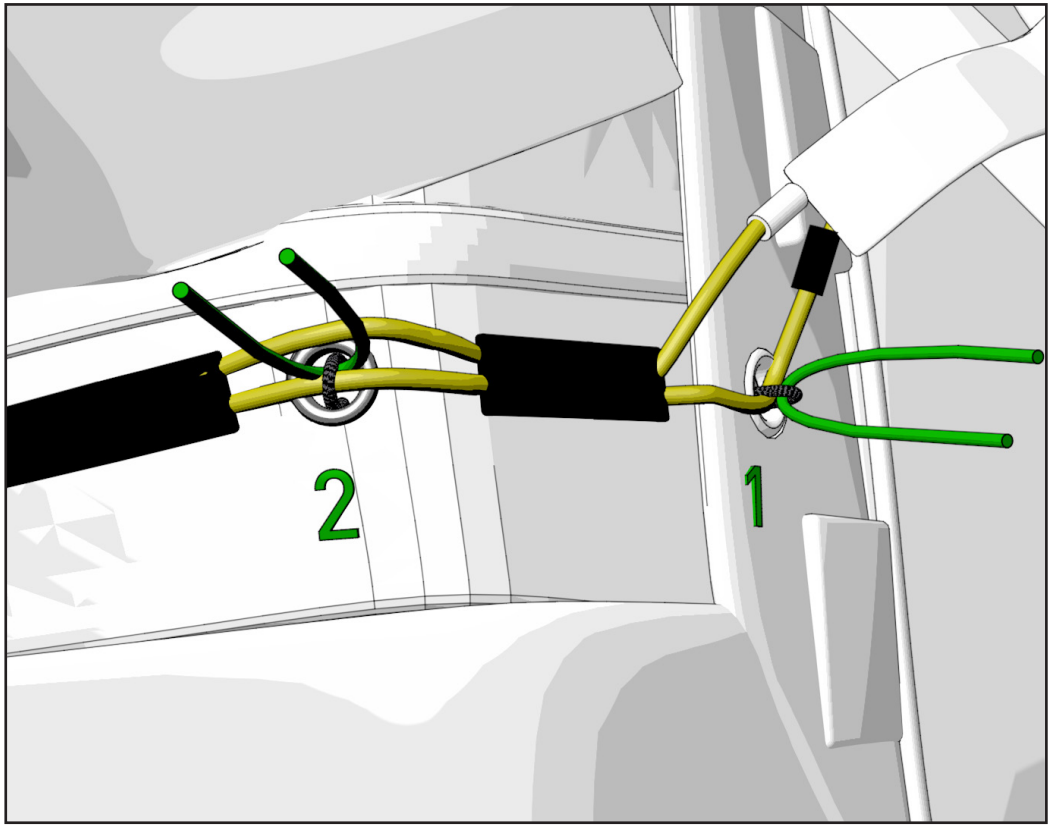
INSTALLING THE RESERVE PARACHUTE

Installing the reserve parachute in its container



8

Pass the small rod through the loop 1

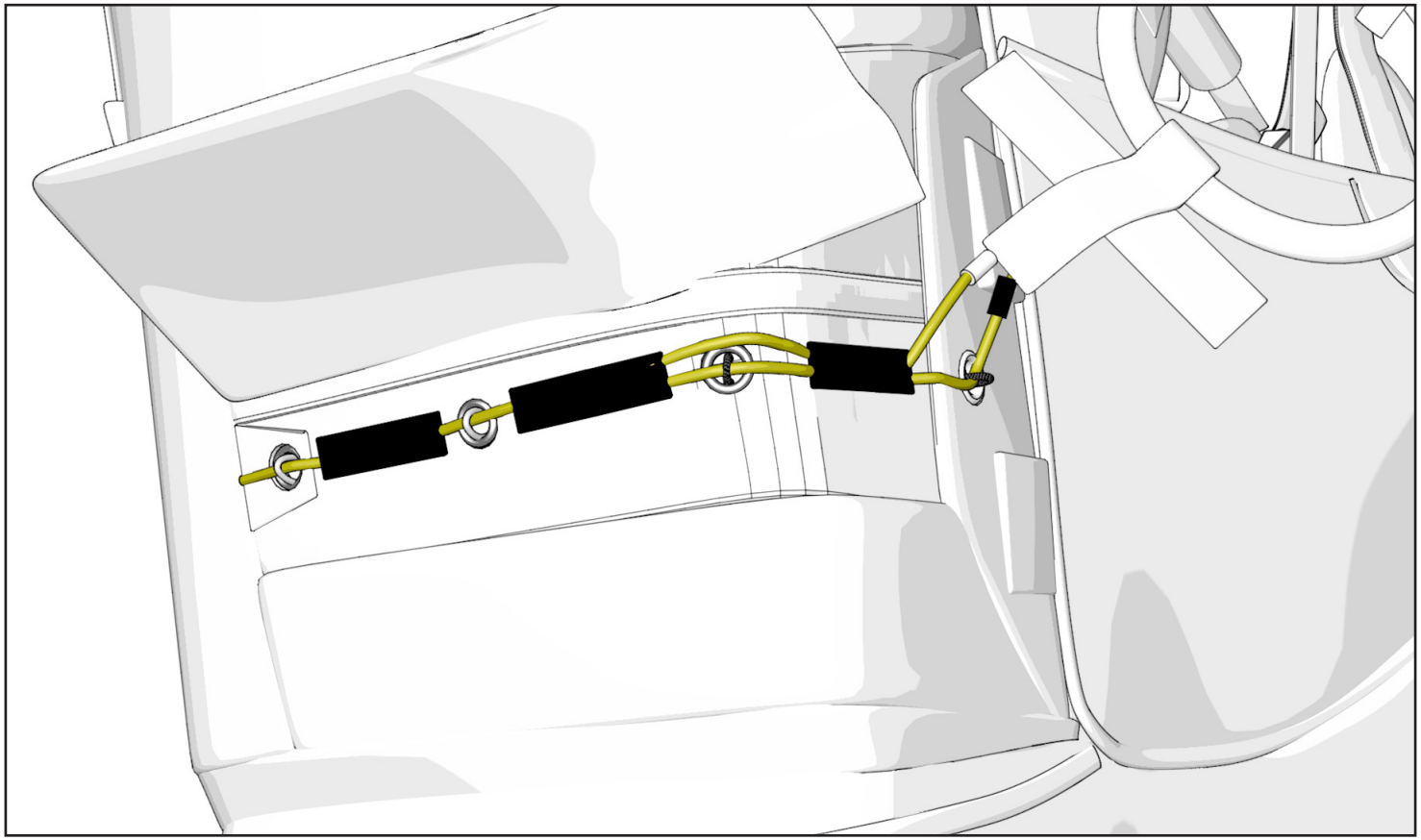


9

Pass the small rod in the guide then in the loop 2 and the second guide

INSTALLING THE RESERVE PARACHUTE

Installing the reserve parachute in its container

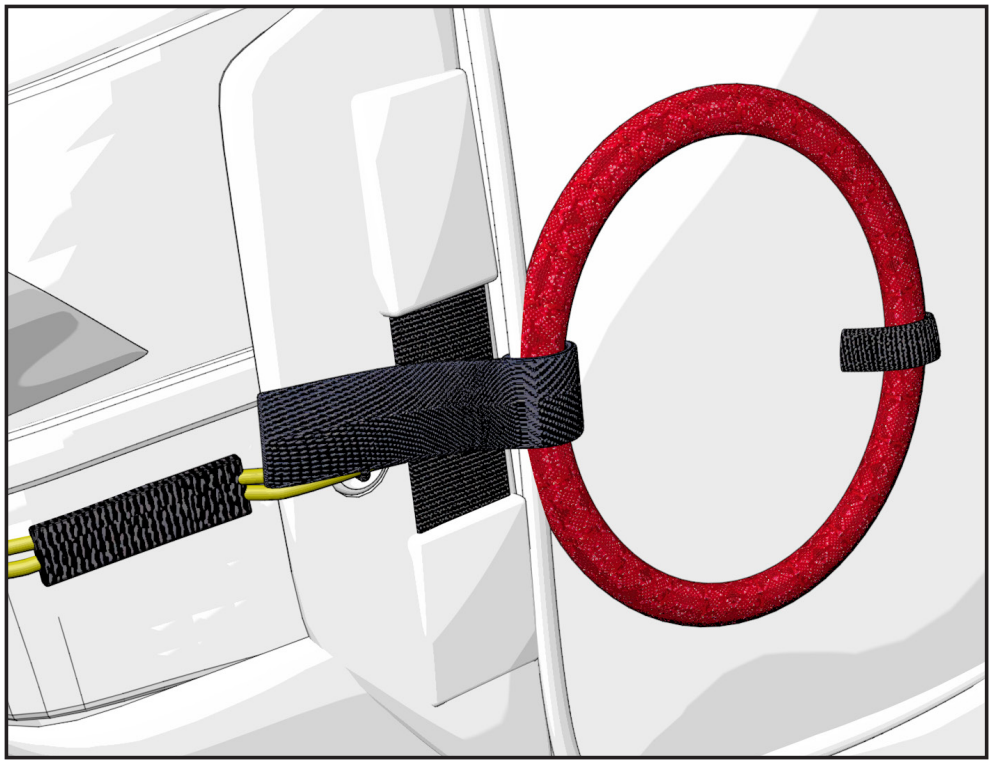


10

Check the mounting. In each of the 4 loops must pass a rod and only one.

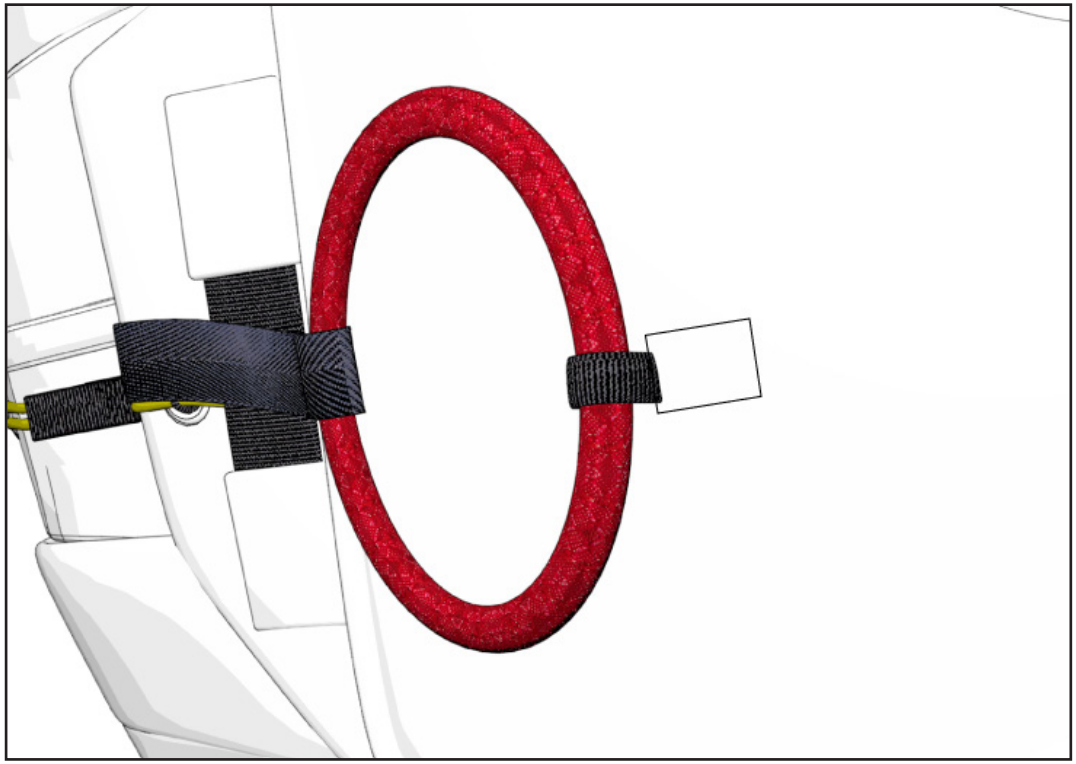
INSTALLING THE RESERVE PARACHUTE

Locking the reserve parachute handle



11

Insert the parachute handle in the dedicated support

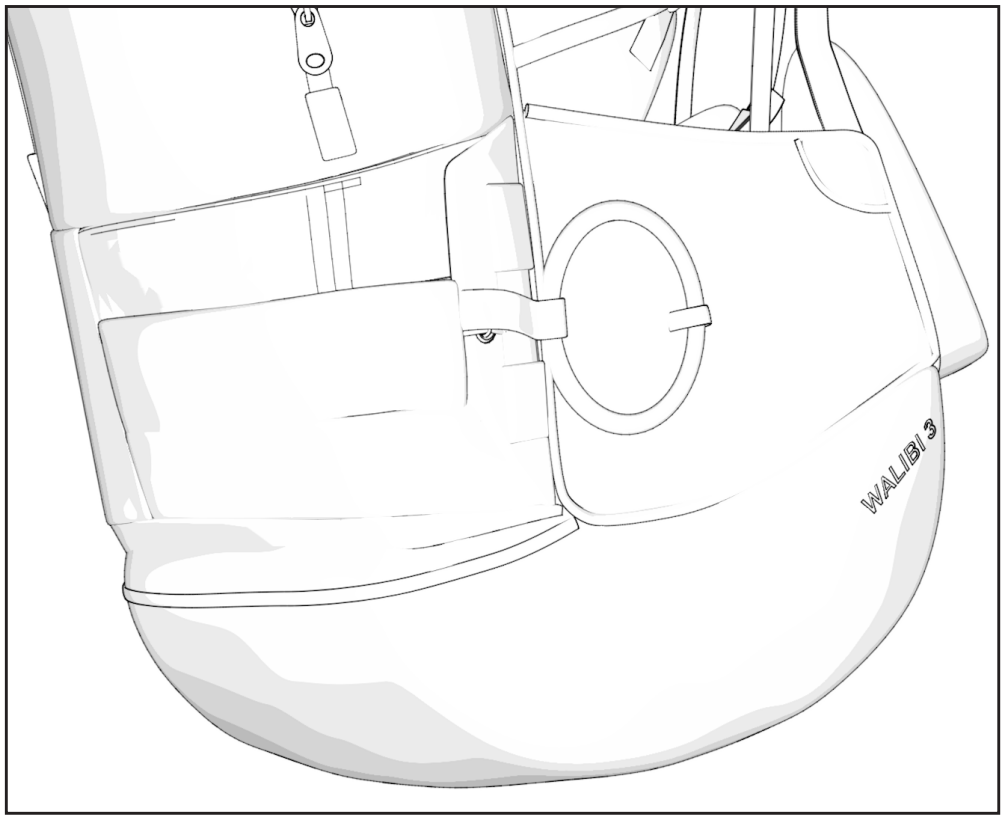


12

Insert the velcro holding the handle into the slot

INSTALLING THE RESERVE PARACHUTE

Locking the reserve parachute container



13

Lower the upper flap and slide it into the lower flap.

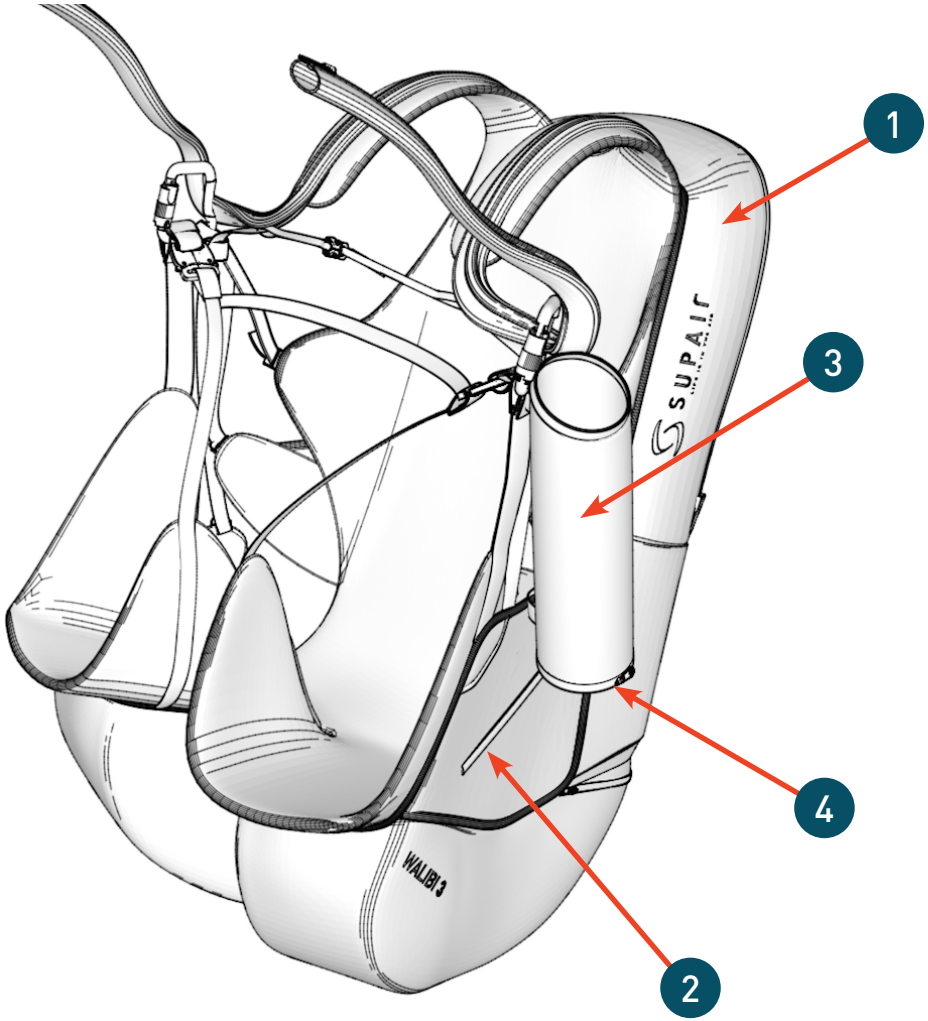
Mandatory extraction test procedure

Check the completed installation during a hang-test.

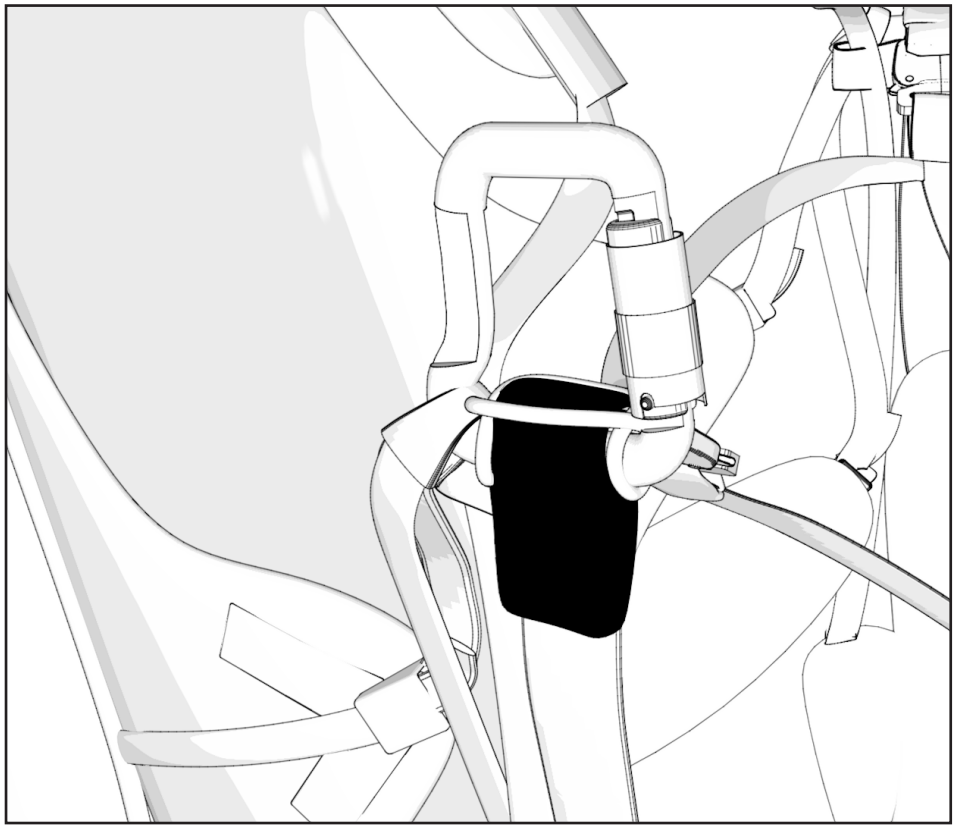
Have the installation checked by a professional outfit.
Conduct an extraction test every six (6) months to assure proper system functionality.

Note :
Conducting and extraction test does not imply deploying the reserve parachute which will stay inside its POD.

PACKING AND TIPS



Tip : The main loop is protected by a safety cover



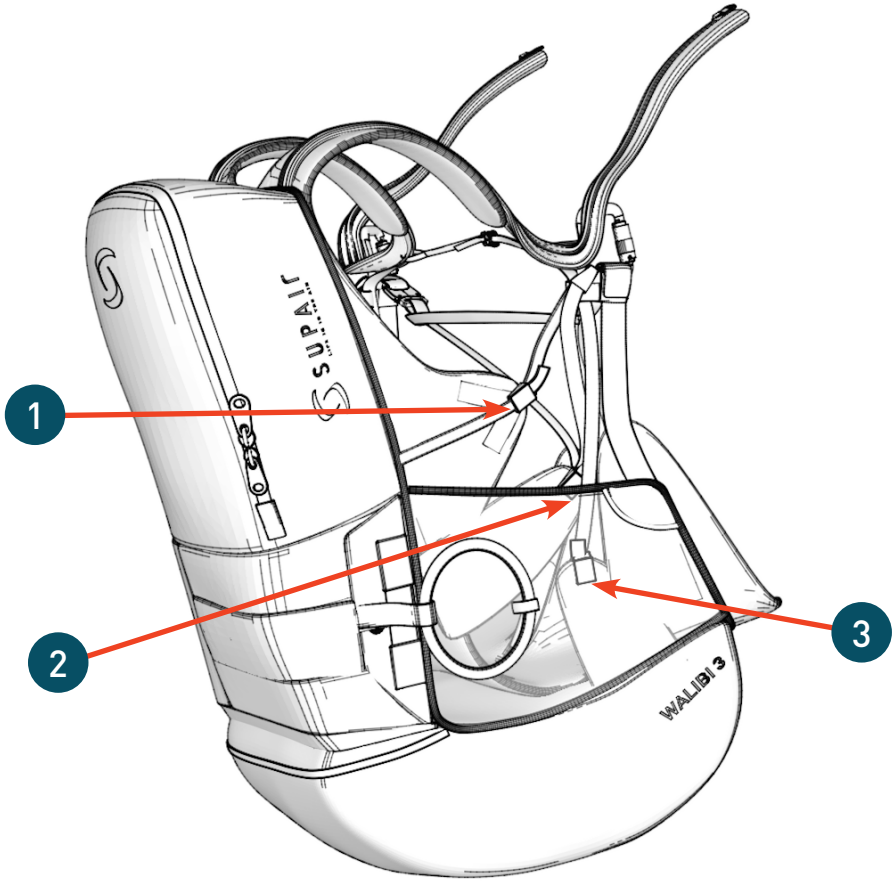
1. Back storage pocket
2. Small storage pocket
3. Camera pocket
4. Zipped storage pocket for memory cards

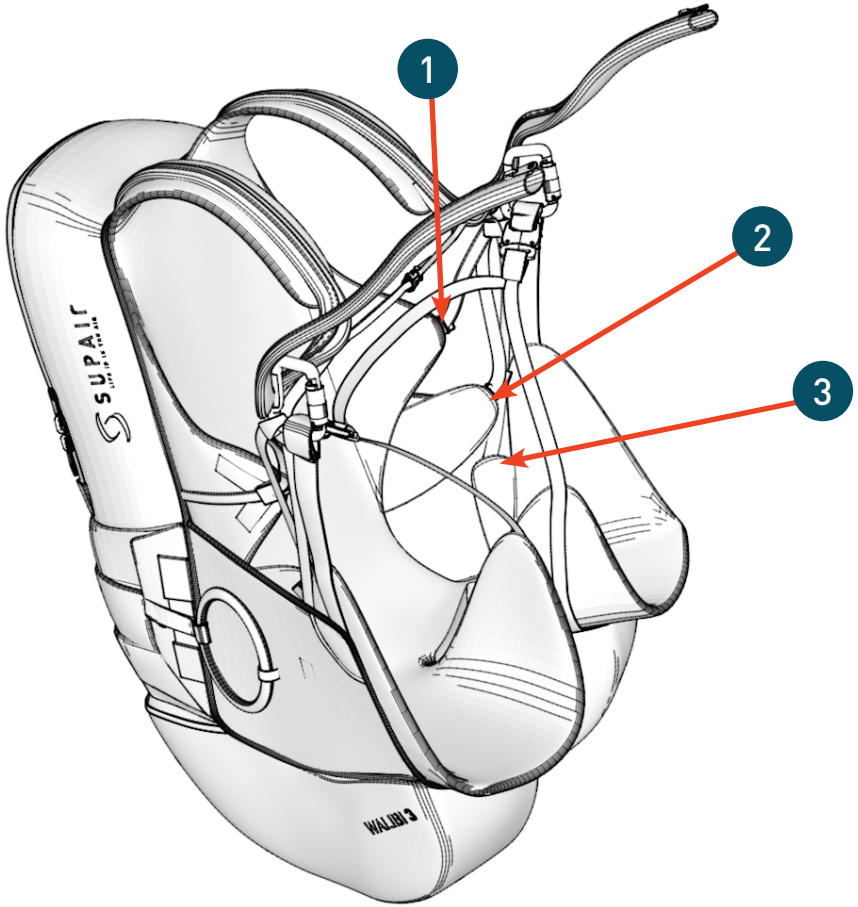
ADJUSTING THE HARNESS

Adjusting the harness prior each takeoff is vital.

The various adjustments

1. Adjusting the backrest
2. Lumbar support adjustment





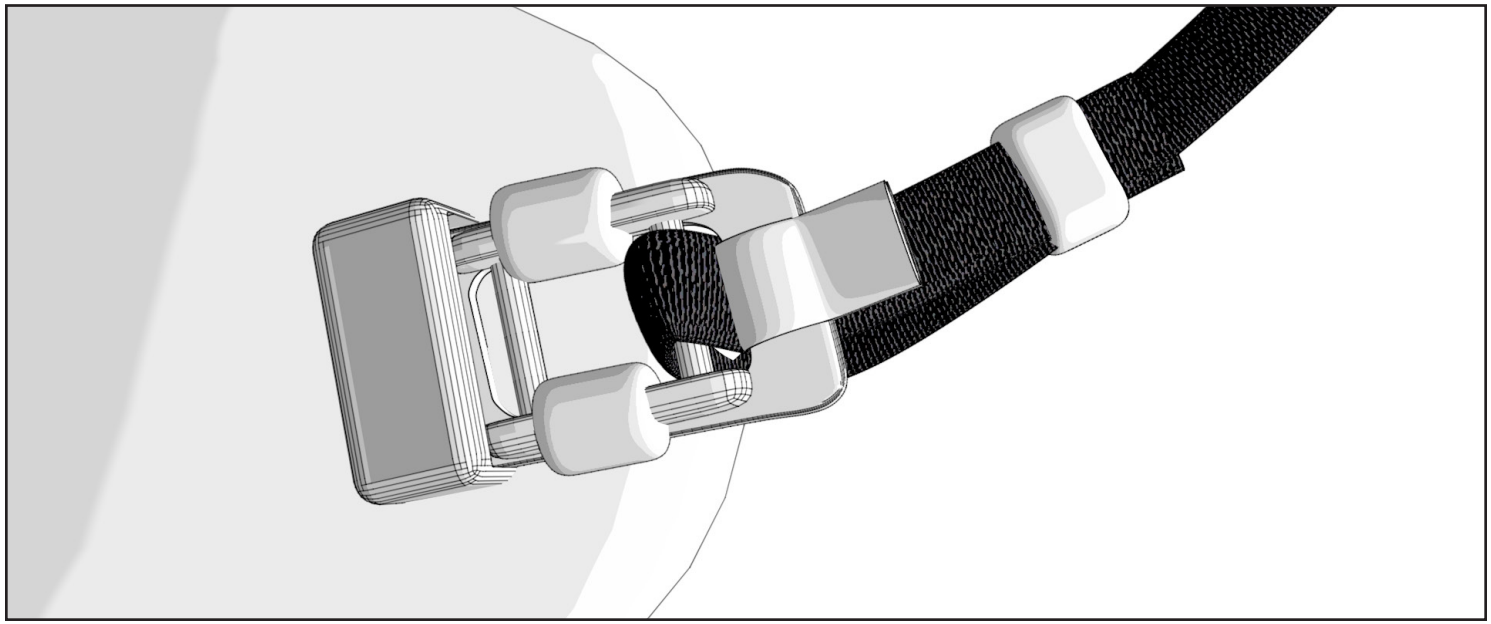
ADJUSTING THE HARNESS

Adjusting the harness

Without strap tension, first adjust the backrest incline at the desired angle.
- Tightening will bring the backrest at a more vertical angle
- Loosening the backrest will tilt the back support rearward.

Adjust the shoulder straps length using the trimmers

The pressure on the shoulder straps contributes to general comfort in flight. It must be precise: not too tight nor too loose.
The upper area of the straps must offer enough support to maintain your torso in a comfortable position.



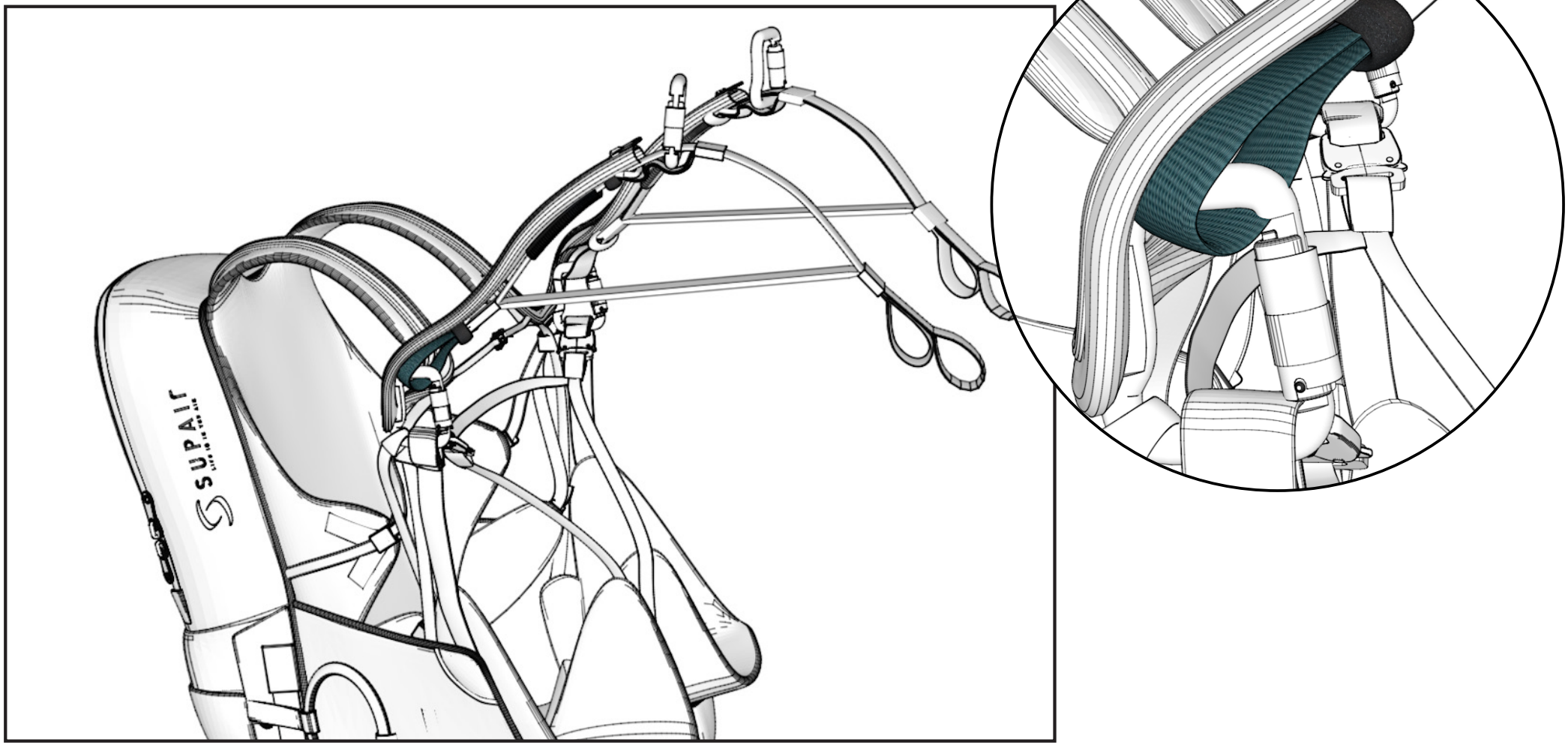
← loosen

tighten →

CONNECTING THE WING TO THE HARNESS

Connecting the wing to the harness

Connect the Walibi 3 harness to the tandem spreader-bars using the loops intended for this purpose.
Pass the sleeve along the spreader and fix it with the 3 Velcro fasteners.



FLIGHT PHASES

Pre-Flight control



- Check that the harness, the carabiners, the spreader bar and in general all your flight equipment are not damaged. As the captain, you are responsible for the safety of the crew
- Make sure that the reserve parachute safety cables to ride through the closing tabs keeping the reserve rescue pocket flaps closed.
- Check that your personal settings haven't changed.
- Check that all zippers and buckles are closed.
- Check that none of the glider lines or any object comme into contact with the reserve parachute handle(s).
- Make sure that the self-locking carabiners are locked and connected to the paraglider.

Take-off

After a thorough weather conditions analysis, when the decision to fly has been taken, put your harness on and follow the next steps



- Lock the leg / chest automatic buckles





Takeoff maintaining a vertical posture and push yourself inside the harness but only once away from the ridge.



Do not release your hands from the brakes when you are close to terrain.

FLIGHT PHASES

In flight



Once up in the air, the WALIBI 3 behaviour is stable and instinctive.

Landing



Straighten yourself in your harness and adopt a running posture to dissipate the horizontal speed.
Always be certain to have enough altitude to make a landing approach corresponding to the weather conditions of the moment and terrain. During the landing approach, never make hasty maneuvers. Always land upwind in a standing posture and be ready to run upon touchdown if necessary.
During your final approach, use as much airspeed as possible based on the weather conditions of the moment, then gradually reduce the glider air speed by pushing the toggles all the way down until contact with the ground is made. **Beware not to brake too soon and too rapidly and too deep which could lead to a stall and a dangerous landing.**
During high wind speed landings, turnaround and face the wing as soon as ground contact is made and move toward the wing while braking symmetrically to deflate it. **Do not land in a seated position as it is dangerous.**

TOWING

To takeoff under tow, you must be equipped with a quick release specially designed for the task.
Connect the tow bridle to the wing riser loops with a suitable tow bridle. Installation must follow the tow bridle reales manufacturer's recommendations. Before towing, you should consult with a competent towing outfit about safety recommendations.

USING THE RESERVE PARACHUTE

Throwing the reserve parachute

We strongly advise you to check frequently the location of the reserve parachute handle location. To do this, we recommend that you lower your right hand following the risers. This movement should be done without looking. By doing so, you will maximize your chances of a rapid extraction if something went wrong and throwing the reserve parachute was called for.

Estimate your AGL (Altitude Above Ground Level), which if high enough may make it worth trying to bring your wing back to a normal flying configuration. If in doubt, quickly deploy your emergency parachute.

Deploying a rescue parachute should be done only in an emergency.

With a strong, lateral and then vertical tug, pull the handle towards you and then throw the parachute away from you (including the container and its handle) toward a clear unobstructed area of the sky. As soon as the parachute deploys, bring as much of the glider as possible toward you by pulling as symmetrically as possible on the "C" or "D" risers or on the toggles/brakes.

Once the rescue parachute is opened, get your passenger and yourself ready for landing : upright posture, legs slightly bent, ready to roll by rotating your shoulders

MANDATORY CONTROLS

Mandatory biannual inspection :

- Ascertain parachute deployment functionality by pulling the handle to activate a clean POD extraction sequence
- Inspect the harness for wear and tear

Annual check :

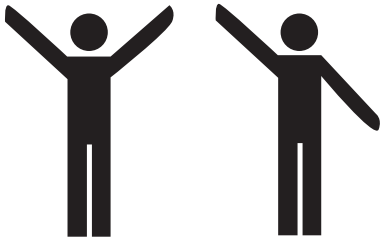
An annual deployment and repacking of the reserves parachutes must be conducted by competent and certified personnel.

IN CASE OF AN INCIDENT

Call for help after an accident

Emergency call numbers	
EUROPE / INDIA	112
USA / CANADA	911
CHINA / JAPAN	119
NEPAL	101
IRAN	112
AUSTRALIA	000
NEW ZEALAND	111

Help needed?



Flashlight SOS :



CARE

Harness cleaning and maintenance

It is a good idea to clean your harness from time to time. We recommend using a brush and soft solvents only (soap or mild cleaning agents). Rinse thoroughly. Never use aggressive chemicals such as strong solvents which could be harmful to the harness's fabric, webbings, stitching and weaken its integrity.

The zip fasteners should be lubricated from time to time, using a silicon spray.
If you regularly use your harness in a dusty environment (dirt, sand, etc...), we advise you to regularly check and maintain your carabiners and buckles : clean them with a mild detergent, then blow dry them fully but **DO NOT LUBRICATE !**
Prior to using them, conduct a thorough carabiners and buckles checkup to insure their full functionality.
If you use your harness in a marine/sandy/salty environment, pay particular attention to your gear and follow a rigorous care/maintenance routine.

Storage and transport

When not in use, your harness should be stored inside your paragliding backpack, in a dry, cool and clean place, protected from UV exposure. If your harness is wet, please dry it thoroughly before storing.
For transport, protect the harness from any mechanical or UV deterioration (use a bag). Please avoid long transports in wet conditions.

Life span



Once every two (2) years, a thorough harness inspection must be conducted :

- Webbing wear and tear (no excessive wear, no rip beginning, no unwanted folds)
- Buckles and carabiners (functionality, wear and tear).



The threads and fabric used for the manufacturing of the WALIBI 3 were specifically selected for their quality and resilience levels. However, in particular instances such as long term UV exposure, abrasion, contact with damaging chemicals, general wear and tear, the harness will need to be inspected at a professional certified repair facility. Safety comes first!



Supair advice to replace the carabiners and spreader bars every 5 years or after 500 hours of use.

The self-locking carabiners are NEVER to be used for any activities other than paragliding.

CARE

Repair

In spite of using the highest quality products to manufacture the WALIBI 3, it is possible for your harness to deteriorate through general use. If showing any sign of wear and tear, it should be sent for inspection and/or repairs at a professional certified facility.

SUPAIR now offers an extended warranty period reaching beyond the product standard protection plan against manufacturing defects. Please contact us either by telephone or by e-mail **sav@supair.com** in order to receive a quotation..

Hardware & Parts

- Self-locking zicral 45mm carabiners (référence : MAILCOMOUS 45)
- Bumpair (réf : PROBUMPW3)
- Walibi handle (réf : POWI3)
- Camera pocket (réf: POCHECAMW3)

Materials

Fabrics
- Nylon ripstop 210D
- Cordura 500D

Webbings
- PA 15mm (850 daN)
- PES 25mm (1250 daN)

Recycling

We have minimized our manufacturing footprint by carefully selecting environmentally friendly materials; most of our components are recyclable.

If you estimate that your WALIBI 3 has reached the end of it life span, you can separate plastics from metals and recycle them according to your community rules in effect. As for the fabric itself, contact your local authorities to find out how to proceed to discard it.

WARRANTY

SUPAIR takes the greatest care in its products design and manufacturing and hence offers a five (5) year limited warranty from the date of purchase against manufacturing defects or flaws occurring during normal use. Any damage or degradation resulting from incorrect or abusive use, abnormal exposure to aggressive factors, including, but not limited to; high temperature, intense sun exposure, high humidity etc, will invalidate this warranty.

DISCLAIMER



Paragliding is an activity requiring specific skills and sound judgement. Learn how to fly within the environment of a certified paragliding school. Carry an insurance policy with you in addition to you pilot certification. Always mind and gauge your personal skills relative to the elements you want to be flying in. Better be safe than sorry ! SUPAIR can not be held responsible for your paragliding decisions or activities.



This SUPAIR product has been designed exclusively for paragliding. Any other activity such as skydiving or BASE jumping is absolutely forbidden.

PILOT'S GEAR



It is essential for you to wear a suitable head protection (certified paragliding helmet), boots and right clothing for the activity. Moreover, carrying a reserve parachute connected to your harness in flight is highly recommend.

BUMPAIR Shock Absorber

The harness you have just purchased has a BUMPAIR type shock absorber.
This protection is intended to protect you against potential impacts. It complies with EU Regulations 2016/425 relating to personal protective equipment (PPE) and certified by expert following protocol SP-002 12/2016.

The shock absorber UE conformity of your harness is certified by the following laboratory: ALIENOR CERTIFICATION n ° 2754, Z.A. du Sanital, 21 Rue Albert Einstein, 86100 Chatellerault, FRANCE

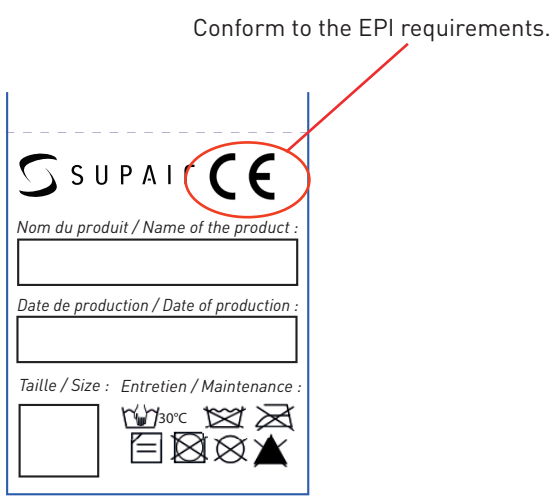
The storage, transport and maintenance of the BUMPAIR is the same as it is for the harness. The inspection of the protector is the same as it would be for the harness.

Please note that no shock absorber can guarantee total protection against injury. The back protector does not prevent potential injuries to the spine and/or pelvis. In addition, only the parts of the body covered by the shock absorber are likely to benefit from adaquate protection against possible impacts.

Please note that the performance of the equipment can be dangerously affected by any modification made or improper use of the shock absorber, and negatively affect the proper functionality of the protector which must be whole and properly installed. You must check that all is in order prior each flight:
-The correct installation of the BUMPAIR shock absorber.
-The BUMPAIR seams and overall condition of the fabrics - look for holes, tears, snags ....

The protection can have a five (5) year lifespan under normal use conditions.
Warning! Following a major hard landing would justify the protector to be discarded.

Label meaning :



If your BUMPAIR is damaged, have it inspected and repaired at a professional qualified facility or contact us at sav@supair.com

The test results and the EU declaration of conformity can be found at: www.supair.com

SERVICE BOOK

This page will help you keep record of your WALIBI 3 scheduled maintenance.

Purchase date	
Owner's name :	
Name and stamp of the shop :	

☐ Care
☐ Resale

Date	

Workshop's name/ Buyer's name

☐ Care
☐ Resale

Date	

Workshop's name/ Buyer's name

☐ Care
☐ Resale

Date	

Workshop's name/ Buyer's name

☐ Care
☐ Resale

Date	

Workshop's name/ Buyer's name

ANNEX

MANUAL
COBRA® COMPONENTS

The COBRA® components by AUSTRIALPIN are intended for usage in fall arrest, PPE (personal protective equipment) products, and load security systems (including, but not limited to, harnesses). This COBRA® component must not be used beyond its specific limits, and must be used only for the purpose for which it was designed.



Activities in the heights, for which these COBRA® components are intended as part of a fall protection system, are by nature dangerous. Errors, recklessness or inattentiveness can lead to life threatening injuries or death.

You yourself are responsible for your own actions and decisions. The following instructions for use must be read carefully and thoroughly, understood and followed. They contain important information about certain dangers and risks associated with the use of this COBRA® component. However, it is not possible to outline and describe all potential dangers and risks. These instructions must be kept safe and easily accessible for the entire life and use of this COBRA® component. Re-sellers must provide these instructions to the buyer in the appropriate language. Manufacturers using this COBRA® component in their products are responsible for the correct and orderly installation. Moreover, they must attach the following instructions to the product or include them in the corresponding manual/ operating instructions of the product. In case of misuse or improper application, AUSTRIALPIN rejects and rules out any and all liability.

NAMES OF PARTS (ILLUS. 1)
COBRA® Quick Release

(1) Body consists of (a) female part (b) male part; (2) adjuster bar (optional); (3) integrated D-Ring (optional); (4) rivets; (5) clips

COMPONENT MARKINGS
on upper side:

- AUSTRIALPIN: name of manufacturer

on lower side:

- Made in or ORIG.: country of origin AT (Austria)
- batch number multi-digit
- buckles marked with "ANSI": 4-digit number (year of manufacture) 1-digit (batch number)

optionally on upper side:

- COBRA®: name of component group. (see illus. 8) • kN: breaking load straight pull in kilonewton
- kN: breaking load loop configuration pull in. kilonewton
- kN: breaking load of D-Ring straight pull in kilonewton
- PAT. or PAT. PEND: patented or patent applied for
- MOD. DEP.: note of patent on design
- ANSI Z359_: Norm to which component corresponds
- OUL: open under load – buckle can be released while under load
- NO PPE or DO NOT USE FOR FALL PROTECTION: do not use for personal protective equipment
- INDIVIDUAL TST: individual article tested

MATERIALS

Body: aluminum
Rivets, adjuster bar, integrated D-Ring: stainless steel
Clips: brass
Anti slide part: polymer
Material exceptions:

- item no. starts with «FI": stainless steel body
- item no. starts with «FT": steel body
- item no. contains «VA4": 100% stainless steel
- adjuster bar COBRA® FM and COBRA® FZ: aluminum
- adjustment valve SUPER COBRA®: aluminum

ANNEX

COMBINATION; USING TOOLS AS A SYSTEM; COMPATIBILITY

By combining this component with others, the safety features of each component can interfere with each other. Assure yourself of their compatibility. An incorrect combination of components can bring about unintended and unforeseeable dangers, in which case the safe functioning of a given component is no longer guaranteed. The compatibility of connecting components and harness straps must be ensured by the harness manufacturer. The operating instructions of each product must be heeded carefully, in particular those of the catching system, of which this connecting component forms one part.

SIZE

Use the COBRA® components only with corresponding harnesses. A tolerance of ± 3 mm is webbing size of the component name (as designated on the delivery note or invoice) or request this information at office@austrialpin.at.

INCORPORATION IN THE HARNESS SYSTEM

a)Make allowance for the correct position of the harness component in its closed state. The upper side must be the side turned away from the body. You can recognize the upper side from the lettering AUSTRIALPIN and/or COBRA®. b) For COBRA® components with adjuster bar or middle bridge only: Make sure the strap is correctly threaded through the adjustment mechanism. If the functioning of the harness system permits, sew the end of the strap in such a way that it is impossible to become unthreaded (see illus. 7). c) For multiple-part COBRA® components only: The individual parts must be ordered in the correct way so that when connecting, each upper part is turned away from the body.

THINGS TO CHECK BEFORE, DURING AND AFTER EACH USE

Make sure that the COBRA® component has no cracks, deformations, fractures, fissures or signs of corrosion and that all components are firmly attached to each other.

FOR COBRA® BUCKLES (CLICK-CLOSURES) ONLY

Make sure that the male part and the female part belong to the same component group. (table 1) Check the riveting and the perfect functioning of the clips. Make sure that the buckle closes tightly and securely. Ensure both before and during usage that the buckle is correctly closed.


Combine only COBRA® Buckles with the same type; for example FY with FY; FX with FX, FT with FT, etc.


Do not use COBRA® components marked with -OUL (open under load) for PPE products.

EXPERT CHECK

Quite apart from continuous checking before and during use, the COBRA® components and the overall product must be checked, tested and verified at least once annually by a professional. The product should ideally be used only by one person so that the overall history of the product usage is know. Record the date of its first use. In case products are used by several persons, we recommend a systematic checking and documentation before and after each use.

OPERATING INSTRUCTIONS

General: Always pay close attention to correct alignment, especially the way the COBRA® component are pointing. The upper side must face away from the persons body.

COBRA® buckles:

Open: Press both clips simultaneously.

Close: insert the male part into the female part without exercising the clips. A click sound should be audible from both clips. By pulling on it shortly, test whether the buckle is really closed.

Adjuster bar / Middle bridge: it is possible to adapt the length of the harness with the adjustment mechanism. Take care to backthread the strap correctly (see illus. 7).

If the ends have not been suitably sewn closed by the manufacturer, the harness can come unthreaded. Make sure that the harness does not unintentionally slip out.

CLIMATE FOR USE

The use temperature of the COBRA® component (dry) is from about -80°C to +80 °C.

LIFESPAN

Lifespan of the COBRA® component is largely dependent on the ways it is used and the frequency with which it is used, together with other external influences. Maximum lifespan in optimum storage conditions and without use is 15 years. Maximum life of use as of its first deployment is 10 years. The actual lifespan of the COBRA® component ends when one of the following criteria for end-of-use becomes applicable (see point End of Use) and depends on various factors: intensity of usage, frequency of usage, environment of usage and user competence, storage conditions, care and maintenance, etc.

Unusual circumstances can reduce the component life of an element to a one-time usage, e.g. contact with chemicals, extreme temperatures, salty or acidic atmosphere, sharp edges, extreme loads.

END OF USE

In the following cases, the equipment should immediately be removed from active use:

- The equipment fails to pass the check-test (both before each usage, during use and in regularly conducted test examinations).
- The equipment has been subject to heavy, high burdens (unless perfect and assured use can be verified by a professional person).
- The history of its use is unknown or incomplete.
- In case damages, deformation, cracks or stark abrasion of the metal parts are observed.
- You have doubts about the reliability of the equipment.
- The component is too old (or legal requirements have changed, norms and technical standards have been altered, new rules are introduced, incompatibility with other products is determined, etc.) For COBRA® buckles only:
- The clips for opening the buckle do not operate or do not operate easily despite thorough cleaning and lubricating; or after having been used do not return to the original position.
- The buckle does not close correctly – the characteristic click-noise must be audible for both clips when closed.

Dispose and destroy the discarded parts immediately in order to prevent any further use by others.

ANNEX

ALTERATIONS AND REPAIRS:

If original parts of the COBRA® component are altered or removed, the safety features can be comprised. The equipment must not be altered or fitted with additional parts in any way which is not expressly recommended by the manufacturer.

STORAGE, TRANSPORT AND MAINTENANCE

Store your equipment in a dry state in a dry place protected from daylight at normal environmental temperatures (-10° to +30°C) where it is free of any mechanical compression, pressure or tensile load. Store the equipment away from chemicals, and away from an acidic or saline atmosphere. Avoid ongoing vibrations. Use the protective bag or special storage and transport containers with non-metallic bottoms (to prevent contact corrosion).

CLEANING

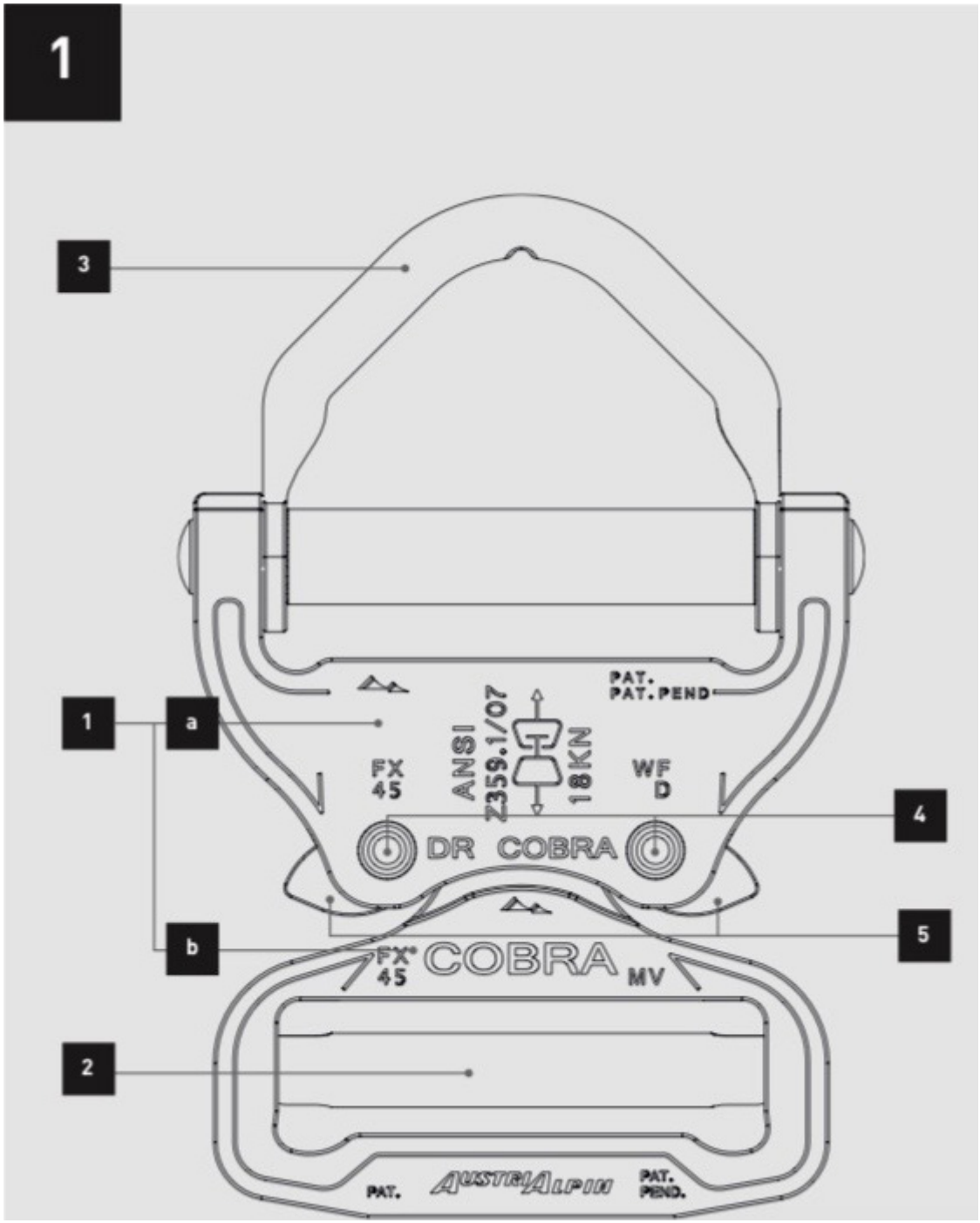
Clean dirty COBRA® components in lukewarm water (if necessary using neutral soap). Rinse them well. Dry at room temperature, never in an electric dryer or near electric radiators. Use only approved household disinfection liquids not any containing halogen as needed.

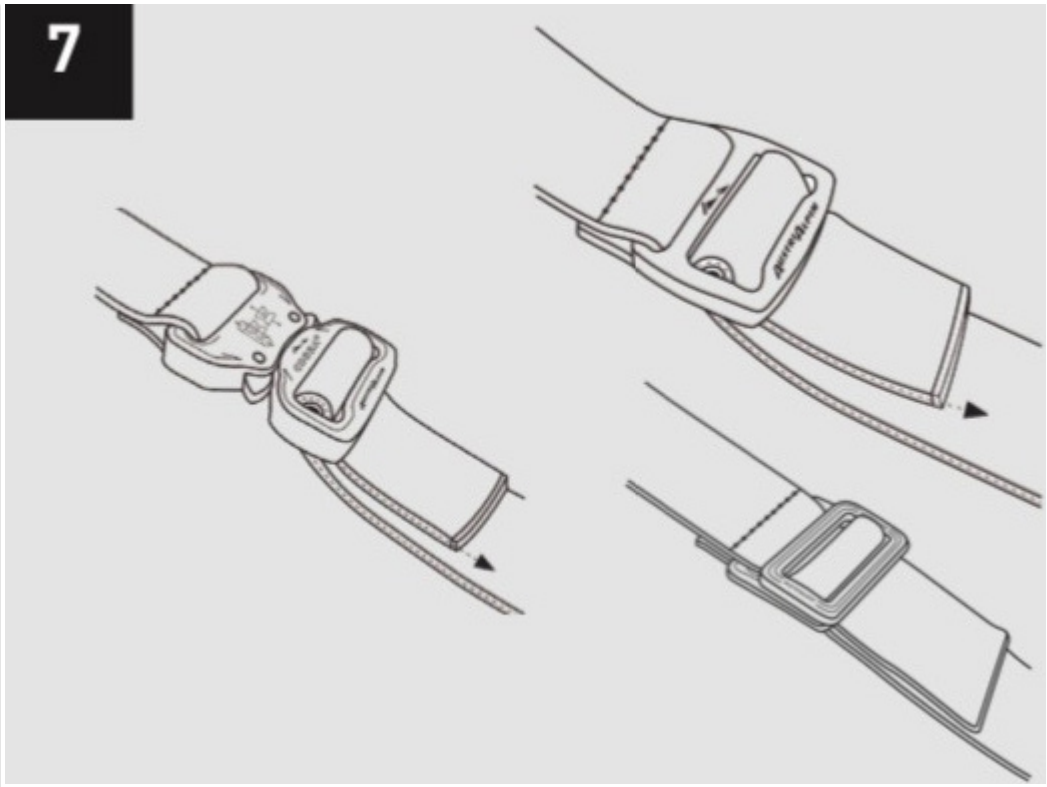
The joints of all metal parts must be relubricated with a dry lubricant regularly, particularly following cleaning (such dry lubricants perform their lubricating function even when in a dry state so that no dust or dirt can cling to it).

 If the instructions for use are not heeded, life threatening dangers can result. Printing errors and omissions, as well as technical changes, are ruled out.

ANSI test carried out be UL LLC.

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DR COBRA
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COBRA
MV
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AUSTRIALPIN
PAT.
PEND.


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IN ANNECY

100% MADE
IN EUROPE

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