Figure Four combines a touch of minimalism with unique features that allow you to focus on your passion for climbing. It is highly recommended to take a little time and effort to learn these features before using your Ω (Omega) Pack in the field. This manual will walk you through, step-by-step, how to use your pack. For your reading convenience, backpack features highlighted in figures are *italicized* throughout this manual.

1. Liability

Figure Four is not liable for any damages or harm, including direct, indirect, or accidental, that comes from using its products. You are responsible for learning to properly use and properly using your equipment as well as you are responsible for your actions and decisions and any subsequent consequences coming from them.

Climbing and similar activities are inherently risky and you accept all risks by participating in these activities.

2. Ω Pack Overview

The Ω Pack is a top loading pack with modular features, including harness compatible hip belt, a removable *Hydration Pouch*, optional removable shoulder strap *Gear Loops*, and an optional removable *Crampon Pouch*. The design of the Ω Pack allows for easy and secure combination of any of these features.

Figure 1 shows a visual overview of the front of the Ω Pack and Figure 2 shows a visual overview of the back of the Ω Pack where key features and components are highlighted.

Fig. 1. Front overview of Ω Pack

Fig. 2. Back overview of Ω Pack

3. General Fitting of Your Pack

The Figure Four Ω Pack's modular suspension system allows for an extremely tuned fit, providing adjustable comfort for its users. The modular system can be any combination of the following:

- 4 different frame sizes to span your torso length
- 3 different hip belt sizes to cover your hip/waist size
- 2 different shoulder harness sizes

For specific sizing information regarding these different sized suspension components, consult www.figurefourpacks.com/omega_pack.html.

To fit your Ω Pack, load it with approximately 20 to 30 pounds of evenly distributed weight and follow these steps:

1. Loosen the shoulder straps, the *shoulder stabilizer straps*, the *hip belt stabilizer straps*, and the main hip belt tightening strap.
2. Put the pack on and buckle the hip belt so that the vertical center of the hip belt is located where your hip bones protrude and tighten the main hip belt buckle by pulling both left and right straps forward. The hip belt should be tightened equally from both sides. Do NOT over-tighten; though the narrow cut of Figure Four's hip belt reduces this, over-tightening can result in premature leg fatigue.
3. Tighten the shoulder straps using the *shoulder strap buckles* until the shoulder straps are snug, but not too tight.
4. Buckle the sternum strap and loosely tighten, adjusting it so that is between 2 and 5 inches below your collar bones.
5. Tighten *hip belt stabilizer strap* to bring the weight closer to your body.
6. Tighten the *shoulder stabilizer straps*. These straps should come off the shoulder straps near the front of your shoulders; if they do not, adjust the *shoulder stabilizer strap adjustment* by pulling it forwards or backwards (this may need to be done while the pack is not being worn).
7. If you desire to remove more weight from your shoulders, further tighten the *shoulder stabilizer straps* and slightly loosen the shoulder straps.

The frame contour should match the profile of your back, providing continuous contact between the pack and your back. If desired, you can alter the frame profile to more closely match the profile of your back (see directions in **Section 4.2**). Further adjustments can be made to increase the torso length of the suspension system in between the set frame sizes (for most users this is not necessary, see directions in **Section 5.4**).

4. Hybrid Frame

The Ω (Omega) Pack's hybrid frame is made with an *HDPE frame sheet* integrated with a "U" shaped *7075-T6 aluminum (Al) rod*, providing ample and comfortable carrying capability (Figure 3). The *HDPE frame sheet* can be removed for a lighter pack with more flexibility and mobility for the user. The *7075-T6 aluminum frame* is pre-contoured to fit your back. Further adjustments can be made to provide a custom contoured fit to your back.

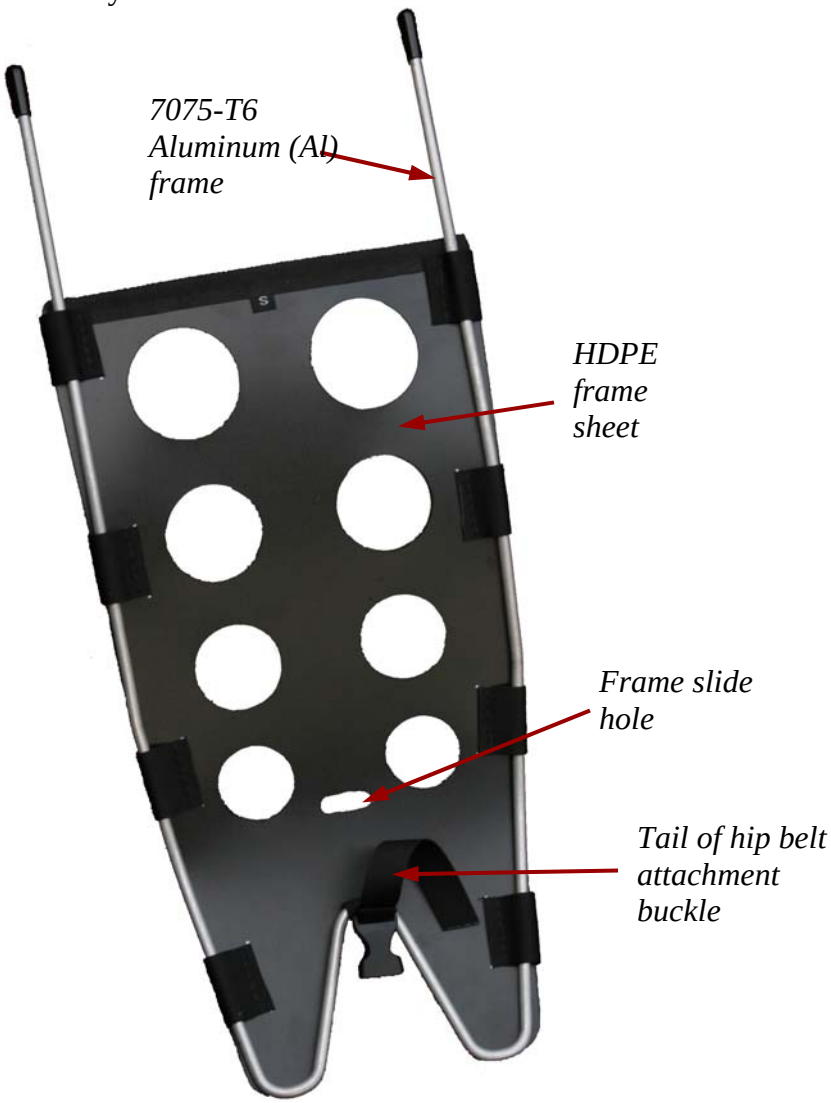

Fig 3. Overview of frame

4.1. Frame Removal

1. Remove the hip belt from the completely empty pack.

2. Remove both *frame tubes* from the top of the *7075-T6 Aluminum frame* by first undoing the *frame tube slides* and then pulling the *frame tubes* off of the ends of the *aluminum frame* (Figure 4).

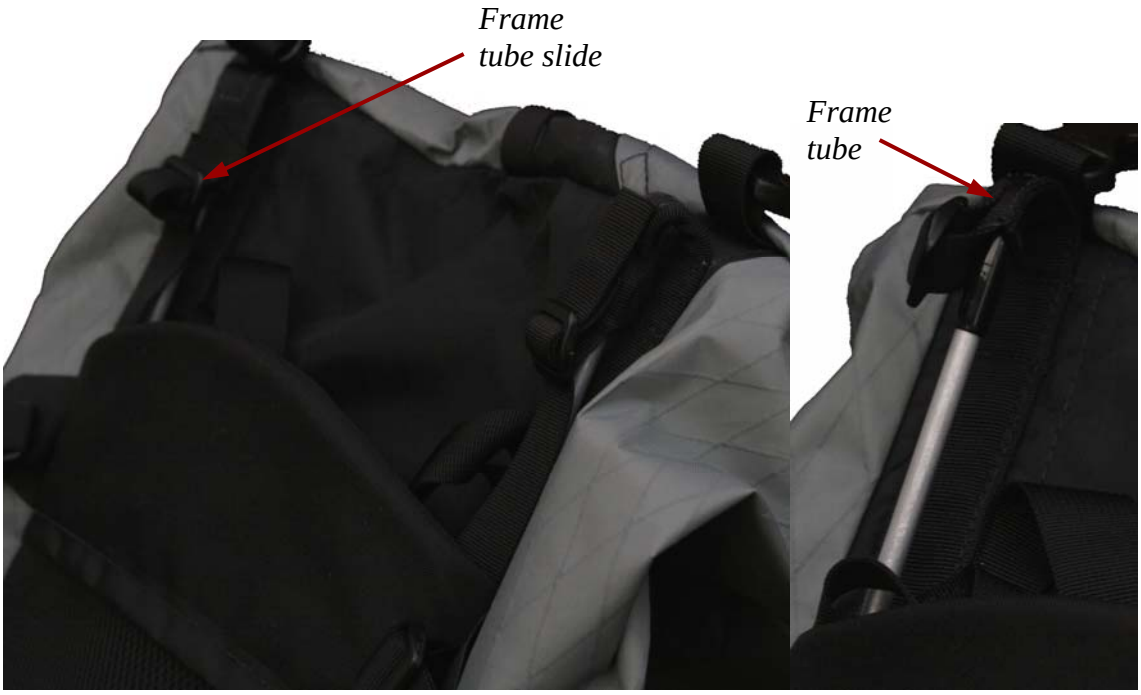

Fig. 4. *Frame tube* and *frame tube slide*

3. Remove the *webbing tail of the hip belt attachment buckle* from the *frame slide* seen in Figure 5.

Fig. 5. *Frame slide*

4. Disconnect the *frame slide* from the frame by pushing the *frame slide* through the *frame slide hole*. It is easiest to pass the bottom edge of the *frame slide* through the *frame slide hole* first.

5. Open the frame sheet flap under the back padding as shown in Figure 6.

Fig. 6. Opening the frame pocket

6. The frame can now be removed upward as seen in Figure 7; do NOT push the *frame sheet* and *Al frame* down through the small opening near the hip belt.

Fig. 7. Remove the frame through the top opening in the frame pocket

4.2. Frame Contour Adjustment

The frame can now be further bent for a custom fit to your back.

- To further bend the *frame rod*, place the frame over your knee (or a padded surface) where you would like to adjust the frame contour, using padding to protect your knee, and make minor adjustments till the contour is correct.

- To reduce the *frame rod* bend, place that section against a durable, flat surface (make sure to pad the flat surface) and apply force on both sides of the bend. Make minor adjustments till the contour is correct.

The contour adjustments should be checked throughout this bending stage.

4.3. Removing the *Frame Sheet*

To remove the *7075-T6 aluminum rod* from the *HDPE frame sheet*, first remove the vinyl end caps covering the ends of the *aluminum rod*. Pull the *frame rod* from the *frame sheet*.

4.4. Attaching the *Frame Sheet*

1. Make sure that the *hip belt attachment buckle* is in the center of the *7075-T6 aluminum frame rod* (Figure 8).

Fig. 8. *Hip belt attachment buckle*

2. It is easier to slide the *frame rod* ends into the webbing loops of the *frame sheet* if the *frame rod*'s vinyl end caps are removed. Place both *frame rod* ends through their corresponding webbing loops and pull the *frame sheet* onto the *frame rod* until the rod ends can be fed through the second webbing loops. It may be helpful to place your hand on the bottom of the *frame rod* and twist back and forth as you pull the *frame sheet* onto the *frame rod* (Figure 9). This will help make the *frame sheet* slide onto the *frame rod*. Placing an object such as a pencil or pen through the other side of one of the webbing loops may make it easier to feed the *frame rod* ends through the webbing loops.

3. Once the *frame sheet*'s bottom edge lines up with the bottom edge of the *Al frame rod*, place the vinyl end caps back on the ends of the *Al frame*.

Fig. 9. Twist the *Al frame* with bottom hand while feeding the *frame sheet* onto the *Al frame* with top hand

4.5. Placing Frame in Pack

1. Make sure the frame is orientated correctly. The lumbar curve of the frame should protrude outward towards the user as seen in Figure 10.

Fig. 10. Lumbar curve protrudes toward the user

2. Once in the correct orientation, feed the frame into the frame envelope, making sure not to feed it between the backpack and the *backpack handle*. Push the frame through until the *frame slide* can be fed through the *frame slide hole* in the *frame sheet*. If resistance occurs ensure that the frame is not caught on anything before pushing further.

3. Feed the webbing *frame tubes* back onto the top of the *Al frame rod* ends, making sure the vinyl end caps are in place.

4. Tighten the *frame tubes* down by securing the *frame tube slides* connected to the *frame tubes* to the ¾ inch webbing sewn to the frame envelope. Make sure that the *frame slide hole* in the *frame sheet* still lines up with the *frame slide* AND the bottom edge of the *frame rod* still lines up with the bottom edge of the *frame sheet*. Adjust accordingly if this is not the case.

5. The webbing *frame tubes* should not fold over where it is sewn to the backpack; there should be greater than ½ inch between where the webbing *frame tubes* attach to the backpack and where they fold over (Figure 11).

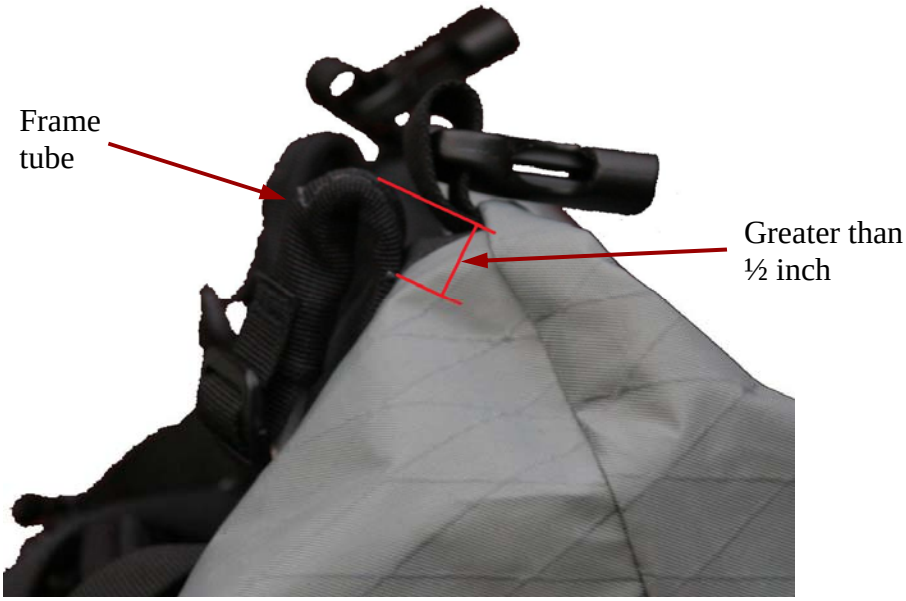

Fig. 11. Minimum distance from *frame tube* attachment to backpack to the bend in the *frame tube*

6. Fold the frame sheet flap over and secure tightly with the given hook and loop fastener.

7. Feed the top edge of *frame slide* through the *frame slide hole* in the *frame sheet* and push the *frame slide* through until it is secure on the opposite side of the *frame sheet* (same side as *Al rod*).

8. Secure the *webbing tail of the hip belt attachment buckle* found at the bottom center of the frame to the *frame slide*. When the *webbing tail of the hip belt attachment buckle* is tightened, this will hold the *hip belt attachment buckle* in place and allow easier access to attaching the hip belt to the frame. Do NOT over-tighten the *webbing tail of the hip belt attachment buckle* where it is visible that the tension on the *frame slide* stresses the seam it is sewn into. The weight of a packed backpack will remove some slack from the *webbing tail of the hip belt attachment buckle* secured to the *frame slide*.

4.6 Removal of Frame Sheet from Al Frame Rod

The *HDPE frame sheet* provides structural integrity to the pack by preventing items from pushing into your back and by ensuring that the backpack does not push into the center of your back when completely full. At times it may be desired to leave the *frame sheet* behind to produce a more flexible backpack. To do this:

1. Take the frame out of the backpack as described above and remove the *frame sheet*. Make sure that the *hip belt attachment buckle* is still on the center of the *Al frame rod*.

2. Orientate the *Al frame rod* so that the lumbar section protrudes out from the pack similar to Figure 10 shown above.

3. Slide the *frame rod* into the frame envelope of the backpack, making sure not to slide it between the backpack and *backpack handle*. Push till the *Al frame rod* ends are near the top edge of the back panel.

4. Feed the webbing *frame tubes* over the *frame rod* after ensuring that vinyl end caps cover the ends of the *Al frame rod*.

5. Secure the *frame tubes* to the *frame tube slides* and tighten appropriately. The *frame tubes* should fold over greater than ½ inch from where the *frame tubes* attach to the backpack.

6. Double back the end of webbing secured to the *frame tube slides* so that they point downward.

7. Secure the *webbing tail of the hip belt attachment buckle* to the *frame slide* near the bottom of the pack.

5. Shoulder Harness

Figure Four's Ω (Omega) Pack allows you to hike in with all your supplies, yet strip the pack down to a smaller size for quick ascents. Like most standard packs, weight can be reduced by leaving behind the hip belt or *lid* for a summit push, but unlike other packs, Figure Four allows you to quickly convert the standard Ω Pack to a vest-style gear sling with extra storage and hydration bladder compatibility, leaving behind the extra weight of the backpack and unnecessary supplies. A visual overview of the necessary components for vest-style gear sling conversion are shown in Figure 12.

Fig. 12. Backpack overview showing key features for vest-style gear sling conversion

5.1. Converting to a Vest-Style Gear Sling

1. Remove the *lid* by disconnecting all 4 of the *lid buckles* which secure the *lid* to the pack. Put whatever gear you want to take with you inside the *lid*.

2. If you own the optional *Hydration Pouch*, this can be removed from the backpack by disconnecting the pack *D-ring* from the *Hydration Pouch ring* and removing the *Hydration Pouch* from the backpack (see directions in **Section 7.5**).

3. To remove the shoulder harness from the Ω Pack:
   3.1. Disconnect the 2 *shoulder stabilizer buckles*.
   3.2. Disconnect the 2 *shoulder strap buckles*.
   3.3. Slide your hand into the *shoulder harness pocket* found between the shoulder harness and the backpack frame pocket. Locate the 2 buckles on either side of the bottom of this pocket connecting the shoulder harness to the backpack and disconnect these *shoulder harness buckles* (Figure 13).

Fig. 13. Disconnect shoulder harness buckles

   3.4. Slide the shoulder harness out of its envelope.
   3.5. At this point make note of the webbing length adjustment of the 2 *shoulder harness buckles*. This webbing length adjustment will need to be used to reattach the shoulder harness to the backpack and achieve your desired fit.

4. If you have the additional *Hydration Pouch*, feed the 2 *Hydration Pouch rings* over the top female *lid buckles* (Figure 14).

Fig. 14. *Hydration Pouch* connection

5. Connect the 2 *shoulder stabilizer buckles* to the 2 top female *lid buckles* (closest to the main zipper).

6. Feed the 2 *shoulder harness buckles* located on the back of the shoulder harness through the 2 yellow pieces of webbing found on the underneath side of the *lid* (Figure 15).

Fig. 15. Feeding *shoulder harness buckles* through yellow webbing on underneath side of *lid*'s rib

7. Connect the 2 *shoulder harness buckles* to the 2 *shoulder strap buckles* located at the bottom of the shoulder straps, making sure that the *Hydration Pouch* is between these 2 connections so that it is held in place by the combination of shoulder harness webbing and the yellow webbing found on the underneath side of the *lid*'s rib.

8. If desired, slide the *shoulder stabilizer strap adjustments* toward the *lid* to your desired position. This adjustment can prevent the shoulder stabilizer straps from irritating your neck. The completed vest-style gear sling with *Hydration Pouch* or with *Gear Loops* is shown in Figure 16.

Fig. 16. Completed vest-style gear sling without *Hydration Pouch*/with *Gear Loops*

5.2. Optional *Gear Loops*

To attach the optional *Gear Loops* follow these instructions:

1. Feed the *Gear Loop metal slide* through the *top loop* on one shoulder strap (Figure 17).

2. Feed the *Gear Loop tail* through the *bottom loop* on the same shoulder strap (Figure 18).

Figs. 17 & 18. Attaching the *Gear Loop* to a shoulder strap

3. Feed the *Gear Loop tail* through the *Gear Loop metal slide* and double back (similar to how you would double back a climbing harness; Figure 19).

Fig. 19. Double back *Gear Loop tail* through *Gear Loop metal slide*

4. Repeat Steps 1-3 on the other shoulder strap.

5. Figure Four recommends connecting the loop at the end of the shoulder harness connection webbing directly to the loop formed by the *Gear Loop* with a more durable connection means such as a carabiner or a tied loop of accessory cord.

5.3. Conversion to Backpack

The vest-style gear sling can be quickly converted back to a backpack by following these steps:

1. Detach the *shoulder harness buckle* from the *shoulder strap buckle* and remove the *shoulder harness buckle* from the yellow webbing found on the underside of the *lid*'s rib.

2. Detach the *shoulder stabilizer strap* from the top *lid buckle* and remove the *Hydration Pouch* if it was used on the vest-style gear sling.

3. Attach the *Hydration Pouch* to the inside of the main compartment of the pack (see **Section 7.5**).

4. Attach the female *lid buckles* to their counterparts on the main compartment of the pack.

5. Adjust the 2 *shoulder harness buckles* to the noted length from step 3e in **Section 5.1**.

6. Slide the shoulder harness into the *shoulder harness pocket* on the main compartment of the backpack and attach the 2 *shoulder harness buckles* to their appropriate sides.

7. Attach both *shoulder strap buckles*.

8. Attach both *shoulder stabilizer buckles*.

9. If the *shoulder stabilizer strap adjustments* were changed in step 8 in **Section 5.1**, adjust them to previous desired position.

5.4. Torso Length Adjustment Using Shoulder Harness

If you wish to fine-tune the torso length in between the 4 set frame sizes, the shoulder harness strap can be lengthened via the *shoulder harness buckle*. *The shoulder harness buckle* should be no further than 1 inch from the seam securing the shoulder harness strap (unless you have an X-large frame in which it can range larger than 1 inch). This adjustment should be done before step 5 of **Section 5.3** and the remaining steps should be followed to reattach the shoulder harness to the backpack.

5.5. Vest-style Gear Sling Limitations

Figure Four designed the vest-style gear sling to be light and easily attached and detached from the Ω Pack, however this produces limitations to the vest-style gear sling's strength. **It is your responsibility to determine the suitability of using the Figure Four vest-style gear sling and/or optional Gear Loops for your activities. By using the Figure Four vest-style gear sling and/or optional Gear Loops, you accept the limitations of the design and you accept full responsibility for the outcome of using this design.**

Some of the design limitations are as follows, but are not limited to this list:

- When the shoulder harness is properly converted to the vest-style gear sling, the gear sling is reinforced with a NON-continuous piece of webbing.

- Figure Four uses 1 inch utility webbing from the shoulder strap buckle at the bottom of the shoulder strap to the *shoulder harness buckle*. Though this webbing has a high strength, it does not have as high of strength as tubular webbing commonly found on traditional gear slings.
- The vest-style gear slings shoulder straps use a 1 inch plastic buckle to form a loop (*shoulder harness buckle* is attached to the shoulder *strap buckle*).
- A Figure Four *Gear Loop* is fed through 2 plastic *loops* directly attached to the continuous piece of utility webbing on the shoulder strap. If both of these plastic *loops* break, the *Gear Loop* will not be attached to the Figure Four vest-style gear sling.
- Figure Four's *Gear Loop* is attached via a metal slide. This metal slide is not manufactured to a given load rating.

It is your responsibility to become familiar with the limitations of this design; by using the Figure Four vest-style gear sling and/or *Gear Loop* you accept the added risks of this design.

6. Hip Belt

Figure Four's unique hip belt (patent pending) integrates with most on the market climbing harnesses. The combined integrated climbing harness/hip belt provides additional comfort beyond wearing a hip belt over the climbing harness or wearing no hip belt with a backpack. Furthermore, the gear loops on Figure Four's hip belt provides easy access to important gear.

Though most climbing harnesses can be integrated with Figure Four's hip belt, thinner climbing harnesses are easier to integrate. Climbing harnesses with plastic semi-rigid gear loops are more difficult to comfortably integrate with the hip belt.

6.1. Combining the Hip Belt With Your Climbing Harness

Combining your harness with your hip belt is a quick process.

1. Prepare the hip belt by detaching it from the backpack. This can be accomplished by detaching the 2 *hip belt stabilizer buckles* and by detaching the *hip belt attachment buckle* that connects the hip belt to the frame (Figure 20).

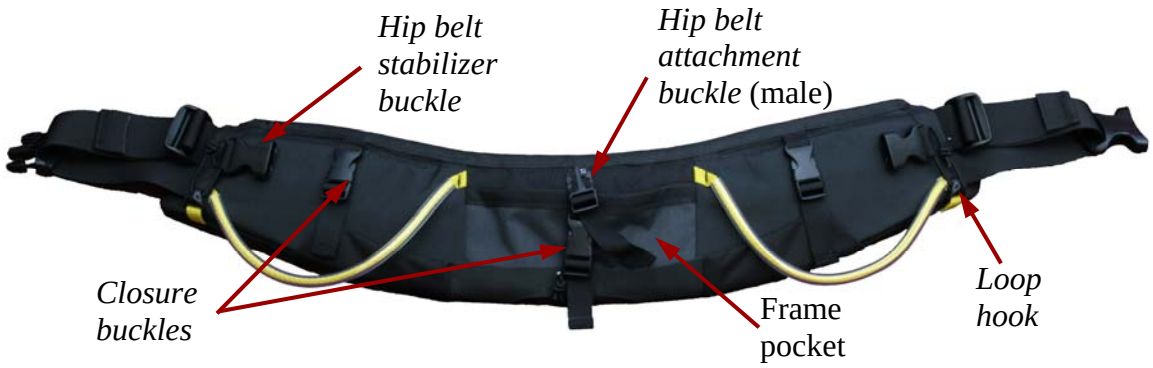

Fig. 20. Hip belt overview

2. Disconnect the 3 *closure buckles* and disconnect the 2 *loop hooks* at the ends of the hip belt. Unfold the hip belt as seen in Figure 21.

Fig. 21. Unfolded hip belt

3. Prepare your climbing harness by unclipping the leg loop supports from the back of the harness and disconnect the climbing harness waist buckle so that the climbing harness can be laid flat onto the unfolded hip belt as seen in Figure 22 (make sure that the climbing harness and hip belt are orientated in the same direction, i.e. both have the top and inside facing the same direction).

Fig. 22. Unfolded hip belt with harness

4. Fold the hip belt over, enclosing the climbing harness, and connect the 3 *closure buckles* at the bottom of the hip belt. The *closure buckles* should be snug, but not excessively tight. Connect the 2 *loop hooks* located at the ends of the hip belt. The hip belt/ harness combination should look like Figure 23.

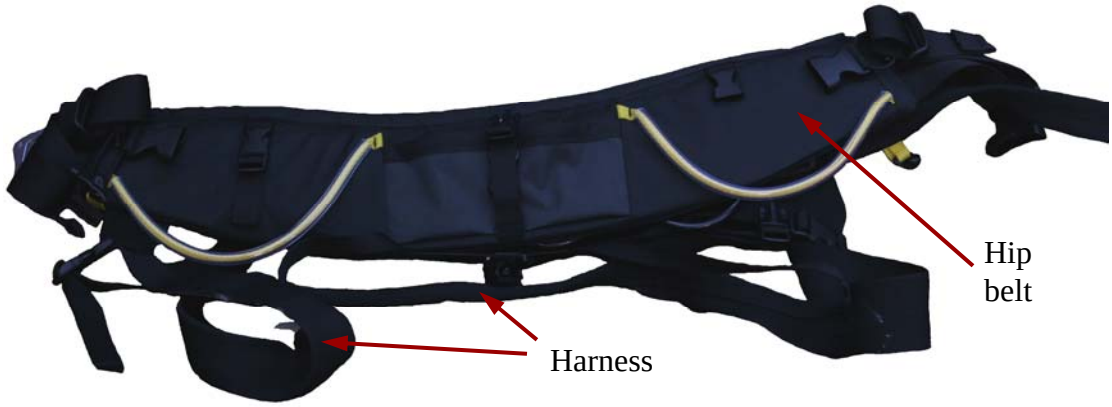

Fig. 23. Hip belt/harness combination

This process may take some experimentation to figure out the most comfortable and lowest profile gear loop orientation. Practice before trying it in the field.

6.2.Putting on Hip Belt/Harness Combination

When integrating Figure Four's Ω Pack hip belt with another manufacturer's climbing harness, all warnings and instructions for using the other manufacturer's climbing harness should be followed for safety. Not following the climbing harness manufacturer's warnings and instructions on proper climbing harness usage, adjustment, and installation could result in climbing harness failure resulting in injury and/or death. Figure Four is not liable for damages or harm caused by improper use of another manufacturer's climbing harness.

The integrated hip belt and climbing harness can now be put on similarly to putting on the climbing harness without the hip belt. It is **vital** that extra care is taken to appropriately tighten the climbing harness and ensure adequate webbing tail lengths protrude from all climbing harness buckles as specified by the climbing harness manufacturer.

Fig. 24. Check for adequate climbing harness tail according to climbing harness manufacturer's specifications

6.3.Hip Belt/Harness Usage

The integrated hip belt and climbing harness can now be used similarly to the hip belt without the climbing harness. To attach the Figure Four hip belt to the backpack while wearing or not wearing the backpack, follow these steps:

1. Slide the frame into the *frame pocket* located on the center of the hip belt as shown in Figure 25. This may take some practice while wearing the backpack. Shrug your shoulders and locate the frame above or slightly in the *frame pocket* on the hip belt with your hands, making sure that both legs of the frame enter the *frame pocket*.

Fig. 25. Slide the frame into the frame pocket on the hip belt

2. Once this step is completed properly, slide your hand between the backpack and hip belt and attach the *hip belt attachment buckle*. This process may require a little practice and is generally not necessary as the weight of the pack will hold the frame in place.

3. Attach the 2 *hip belt stabilizer buckles* to the hip belt as seen in Figure 26 and tighten appropriately.

Fig. 26. *Hip belt stabilizer buckle*

6.4.Detach Backpack from Hip belt/Harness Combination

To detach the Figure Four hip belt from the backpack while wearing or not wearing the backpack, follow these steps:

1. Loosen the hip belt stabilizer straps significantly. Detach both *hip belt stabilizer buckles* from the hip belt.

2. Next reach between the hip belt and backpack and detach the *hip belt attachment buckle* if it is connected (this may take some practice to do quickly without mistaking it for the center hip belt *closure buckle* mentioned above).

3. After the 3 buckles are disconnected (2 *hip belt stabilizer buckles* and 1 *hip belt attachment buckle*) shrug your shoulders and add any additional help required to slide the frame out of the *frame pocket* on the hip belt.

7. Other Features and Accessories

7.1. Hybrid Ice Axe/Ice Tool Loops

The Ω Pack's *hybrid ice axe/tool loops* can attach an ice axe with the standard method and can also attach modern ice tools that have no hammer or adze.

7.1.1. Ice Axe Attachment

The standard ice axe loop is the simplest, quickest, and most secure way to attach an ice axe or ice tool that has an adze or large enough hammer. Follow these steps to attach an ice axe or ice tool that meet this criteria.

1. Slide the spike of the ice axe from top to bottom into the *hybrid ice axe/tool loop* as shown in Figure 27.

Fig. 27. Feed spike of ice axe into *hybrid ice axe/tool loop*

2. Slide the ice axe shaft through the *hybrid ice axe/tool loop* until the head of the ice axe is at the *hybrid ice axe/tool loop*.

3. Flip the ice axe's shaft upwards, rotating the ice axe about its head. After flipping the ice axe's shaft upward, it should look like Figure 28 where the *hybrid ice axe/tool loop* cradles the head so that it cannot slip downwards.

4. Secure the top part of the ice axe's shaft so that it cannot flip back downwards. This can be done with the *ice axe/tool securing loops* (Figure 29) or by the *upper compression straps*.

Fig. 28. Ice axe flipped upward in the *hybrid ice axe/tool loop*

Fig. 29. Ice axe securely attached to Ω Pack

7.1.2. Ice Tool Attachment

Ice tools that have no adze or hammer or that have very small hammers can slip out of a standard ice axe loop. The *hybrid ice axe/tool loop* can secure these technical ice tools by following these steps.

1. Unbuckle the *hybrid ice axe/tool buckle* found just above the *hybrid ice axe/tool loop*.

2. Slide the rubberized end of the *hybrid ice axe/tool loop* through the hole in the head of the ice tool as shown in Figure 30.

Fig. 30. Feed rubberized end of *hybrid ice axe/tool loop* through hole in ice tool head

3. Feed *hybrid ice axe/tool buckle* end adjacent to the *hybrid ice axe/tool loop* through the *hybrid ice axe tool loop* (Figure 31). The buckle will hold the tool in place while performing steps 1-3 for the 2nd tool; for better holding capabilities, attach the first tool on the male *hybrid ice axe/tool buckle* side.

Fig. 31. Feed buckle end through *hybrid ice axe/tool loop*

4. Connect the female and male *hybrid ice axe/tool buckle* ends and tighten appropriately. The end result should look like Figure 32.

Fig. 32. Connect *hybrid ice axe/tool buckle*

5. Secure the handle or spike end of the ice tool either using the *ice axe/tool securing loop* (Figure 33) or an *upper compression strap*.

Fig. 33. Secured ice tool

7.2. Haul Points

The Figure Four Ω Pack has two reinforced points for hauling and general heavier abuse: the *handle* and the *reinforced daisy chain* (upper daisy chain). These two points are referenced in Figures 1 and 2. Haul lines should be attached such that the load is distributed to both points while hauling and attachment to the *reinforced daisy chain* should be done using the upper-most loop.

7.3. *Picket Pockets*

Picket pockets, as shown in Figure 1, are intended for carrying pickets or miscellaneous small items; *picket pockets* are NOT intended to carry bottles or similarly large items. These items may cause premature wear.

7.4. Compression System

7.4.1. Side Compression

The Ω Pack ships with Figure Four's recommended compression system as shown in Figure 34. The compression system consists of 2 *lower compression straps*, one on either side, and 2 *upper compression straps* that travel around the circumference of the pack. These compression straps are removable by detaching them from the *compression strap slides*; this attachment system allows you to attach longer or shorter compression straps. The *upper compression straps* can also be arranged so that the strap travels from the upper *compression strap slide*, passes through the *alternative compression/ice axe holder loop*, and back to lower *compression strap slide*, where one of the slides has a compression strap male buckle and the other slide has a compression strap female buckle.

Fig. 34. Compression system

7.4.2. Top Compression and Rope Carrier

The top compression system can be found under the lid. Push at the base of this strap (near the *handle*) while simultaneously tightening the strap to provide extra head room. Also, this strap provides means for carrying a rope by laying the rope on top of the backpack and tightening the top compression strap over the rope to secure it.

7.5. Hydration Pouch

The removable *Hydration Pouch* is a key component to the vest-style gear sling and it is sized to carry a standard 3L/100 oz. hydration bladder (sold separately). The *Hydration Pouch* combined with the hydration port, found on the back side of the pack near the rope carrier/top compression strap, makes the Ω Pack hydration compatible. To install the *Hydration Pouch* and a hydration bladder, follow these steps.

1. Place the hydration bladder inside the *Hydration Pouch* with the bottom of the hydration bladder away from the *Hydration Pouch plastic loops*.

2. Put the *Hydration Pouch* inside the nearly empty backpack, where the back of the *Hydration Pouch* (side without opening) faces the back of the backpack. Feed the *D-rings* found on the back of the backpack through the *Hydration Pouch plastic loops* as shown in Figure 35.

Fig. 35. Feed *D-ring* through *Hydration Pouch plastic loop*

3. Turn the *D-ring* so that it hangs naturally and the *Hydration Pouch plastic loop* is secured by the back square edge of the *D-ring* as shown in Figure 36.

Fig. 36. Properly secured *Hydration Pouch plastic ring*

4. Repeat steps 1-3 for the other *Hydration Pouch plastic loop* and backpack *D-ring*

To disconnect the *Hydration Pouch plastic ring* from the backpack *D-ring*, lift up the curved section of the *D-ring* and feed the square back end of the *D-ring* through the *Hydration Pouch plastic ring*.

7.6. Crampon Attachment

The Ω Pack is designed so that crampons can be attached to the outside of the backpack either with or without the use of the optional *Crampon Pouch* (sold separately). Figure Four's *Crampon Pouch* protects you and your equipment from the crampon points and *Crampon Pouch* attaches your crampons in a streamline fashion with quick and easy access.

7.6.1. *Crampon Pouch* (sold separately)

The following steps outline how to quickly attach the *Crampon Pouch* to the front of the Ω Pack.

1. Place the crampons in the *Crampon Pouch* with both sets of crampon front points pointing towards the short edge of the *Crampon Pouch* with the black fabric.

2. Place the *Crampon Pouch* on the *reinforced crampon panel* with the *Crampon Pouch*'s mesh panel facing out.

3. Feed the female and male *Crampon Pouch buckles* through the 4 adjacent *crampon panel plastic loops* sewn into the *reinforced crampon panel* as shown in Figure 37.

Fig. 37. Feed *Crampon Pouch buckles* through *crampon panel plastic loops*

4. Attach mating *crampon pouch buckles* and tighten webbing to secure the *Crampon Pouch* to the Ω Pack.

To remove crampons from the *Crampon Pouch*, it is recommended that you leave the bottom *Crampon Pouch buckle* attached, but loosen its webbing. The top *Crampon Pouch buckle* can be detached for easy access to the crampons while keeping the *Crampon Pouch* attached to the backpack. Before wearing the Ω Pack, reconnect the top *Crampon Pouch buckle*. The *Crampon Pouch*'s webbing loop can also be secured to the backpack's reinforced daisy chain for extra security.

7.6.2. Securing Crampons without *Crampon Pouch*

Your crampons can be secured to the Ω Pack without the *Crampon Pouch*, however this may result in damage to your equipment or injury from the exposed crampon points. Straps can be attached to the 4 *crampon panel plastic loops* to secure the crampons to the Ω Pack.

8. Care and Maintenance

Care and maintenance of your Ω Pack, will provide a long life for your pack. After an outing, Figure Four recommends that you wipe off all dirt from your Ω Pack with a damp, soft cloth. After thoroughly cleaning your pack, empty your pack and allowing it to air dry. Any additional heat may damage your Ω Pack.

Foam components of your Ω Pack, specifically the hip belt and shoulder straps, are susceptible to bending and creasing. Extra care should be taken to ensure the hip belt does not get bent such as during storage or during transportation. Figure Four recommends removing your hip belt when it has a potential of getting damaged. During storage and transportation of your Ω Pack, Figure Four recommends detaching the *shoulder stabilizer buckles* and *shoulder strap buckles* to prevent creasing and folding of your shoulder straps.

9. Warranty

Figure Four guarantees Figure Four backpacks for the practical life of the backpack against material and workmanship defects. This warranty does not include wear and tear, misuse of the product, negligence, or damage to the product when using the product for purposes for which it was not designed.

What does this mean? Figure Four will warranty any of its backpacks that fail due to manufacturing or material defects. We do not cover packs that wear out due to normal use or that have been damaged due to misuse such as chemical damage, heat damage, etc.