

# OMS Comfort Harness II

## Assembly of the Shoulder Pads

Take the larger of the two pieces of webbing (with grommet) and start at the top of the Back Plate:

A) Thread the webbing thru the back slanted slots and then back thru the upper horizontal slots, making sure the grommet is centered in the bolt hole as shown in Fig.1

Fig.1



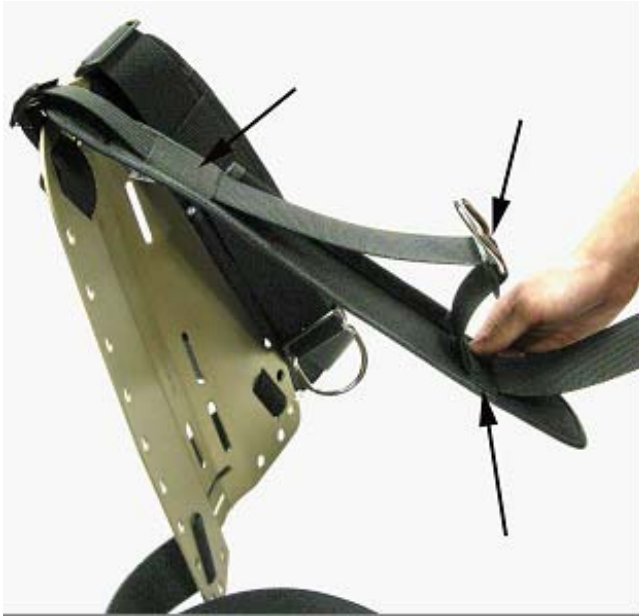
B) Then weave webbing through one 2" Delrin Slide on each side of webbing as shown in Fig.2

Fig.2



C) Now thread the webbing through the top 2" inch wide section of the Shoulder strap only, then thread on a Delrin Slide and a Bent D-Ring. Next thread webbing thru the lower 1" inch narrow section of the shoulder strap as shown in fig.3 *Note: the pads have a pull dump tunnel sewn in with white tubing. This faces in toward the chest.*

Fig.3



D) Once Threaded thru the narrow 1" inch section of Shoulder strap, put on another Delrin Slide and Bent D-ring leaving a gap of one inch. As shown in Fig.4

Fig.4



**Assembly of the Side Chest Strap with the Adjustable Oblique Fitting.**

A) Insert a third 2" Delrin Slide, then take the webbing and slip it through the Side Chest D-ring (or SS O-Ring) from the bottom, then up, and back thru the Delrin Slide. Follow Fig.5 and Fig.6.

Fig.5

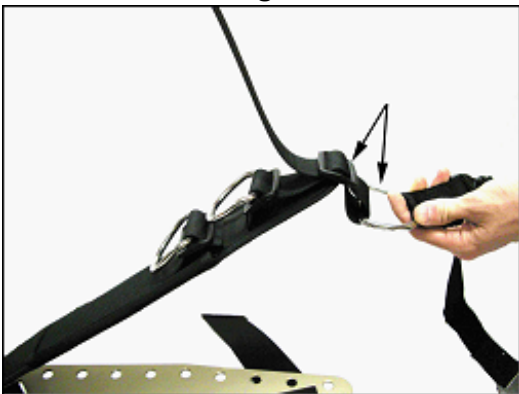


Fig.6



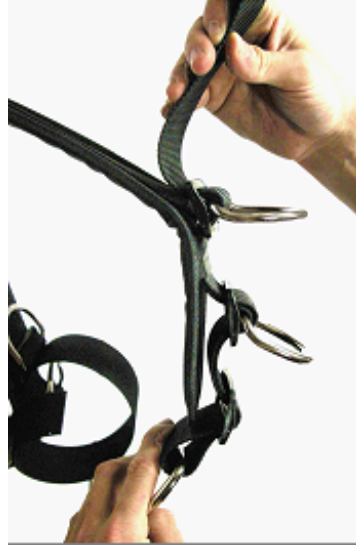
- B) Once weaved back thru the single Delrin Slide as shown in Figures 5 and 6 then continue up through Delrin Slide w/Bent D-ring then thru the 1" inch narrow section of Shoulder Strap, then through the upper Delrin Slide w/ Bent D-ring, as shown in Fig.7 and Fig. 8.

(Fig.7 was weaved for visual effect only. You must tighten up the webbing as you go)

Fig.7



Fig.8



- C) Next take the Logo Hose Retainer w/ logo facing the Shoulder Pad and insert it through the webbing, as shown in Fig.9. Then lastly Weave the Webbing thru the last upper 2" inch Delrin Slide as shown in Fig.10.

Fig.9



Fig. 10



### Assembly of the Center Chest Strap

Take a 1" inch Delrin Slide and insert one on each side of the short Center Chest Strap, then weave the 1" inch webbing thru the chest area D-ring (or O-Ring) from the bottom up, then back through the 1" inch Delrin Slide as Shown in Figures 11 and 12.

Fig.11



Fig.12



### Assembly of the Crotch Strap

Insert a 1" inch Delrin Slide on the other end of the Crotch strap, then weave the webbing thru the lower 1" inch slots on the Back Plate, as in Fig.13a then double back and string it through the same 1" slide/keeper. Adjust as necessary with your exposure suit on.

Fig.13a



Fig.13b



Fig.13c



### Assembly of the Waist Strap

A) Take the Short 2" inch wide by 85" long Webbing (with center grommet) and weave it through the lower two side slot from the back side of the Back Plate as shown in Fig.14.

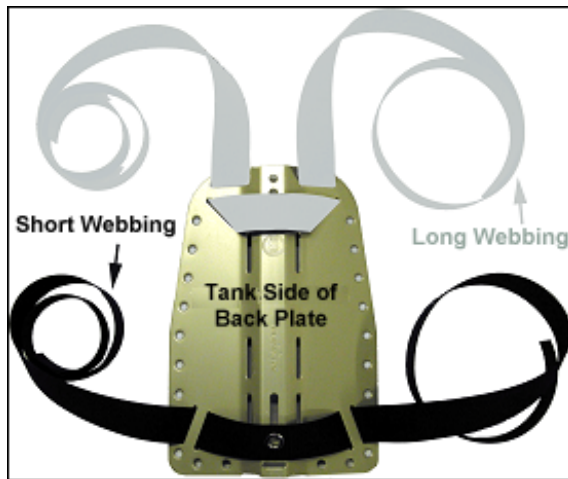


Fig.14

B) Then take the Waist Strap (Short Webbing) and weave it through the Adjustable Oblique stainless steel plate, as shown in fig.15, which shows Diver's Right side.



Fig.15

Then add a Metal 3 Bar Slide and Straight D-ring, and weave webbing as shown in Figures 16a thru d. Final result should look like Fig.16e. Repeat the same setup for the other side of the belt. Although the installation of this D-ring assembly is optional hardware is included.

Fig.16 a



Fig.16 b



Fig.16 c



Fig.16 d



Fig.16 e



**Assembly of the Crotch Strap/Scooter Ring End side.**

**Note: Slide the crotch strap/scooter ring assembly onto waist strap as shown in Fig.17.**

Fig.17



**With the Quick Release buckle positioned for a Right hand release, string the waist strap through the first slot then through the middle slot and finally out the last slot as shown in Fig.18a. Trim webbing as necessary but be sure to adjust length while wearing your exposure suit before trimming.**

**Quick Release Belt Buckle Assembly**

Fig.18a



fig.18d



**Important notice** for properly stringing 2" webbing through OMS Stainless Steel Quick release belt buckle used on all harness systems.

Please follow the pictorial weaving instructions in the **Quick Release Belt Buckle Assembly section** of the instructions.

Note that the Stainless Steel Quick Release buckle main body will be affixed to the divers left 2" nylon webbing, waist strap area. The quick release weight buckle "flap" when closed points to divers left (when fully open points to diver's right) and is opened with the diver's right hand.



**WARNING:** Failure to follow instructions and properly configure the OMS quick release weight belt buckle on harness systems or weight belts can cause slippage of the 2" webbing resulting in loss of your weight belt or on Harness systems loosening of the waist strap resulting in loss of your weights or BC. Both can cause a loss of buoyancy control causing an uncontrolled ascent resulting in personal injury or death.

## OMS Comfort Harness II

Parts list (See Comfort Harness System II pictorial parts description):

- 2 – 2" inch wide webbing: One Short 85" inches for the waist strap  
One Long 109" inch for the shoulder Strap.
- 8 – 2" Delrin Slides.
- 4 – 2" Bent D-rings.
- 2 – 2" D-rings (flat).
- 2 – 2" Metal Slides.
- 1 – Buckle.
- 1 – Back Plate, Aluminum or Stainless Steel.
- (2 – 1" Delrin Slides on chest strap only where applicable)
- 1 – 41" Crotch Strap Kit. (With 2" ID x .25" thick Round Ring, 1" Delrin Buckle and (2) 1" Delrin Slides.)
- 1 – Center Chest Strap.
- 2 – Logo Hose Retainers.
- 2 – Shoulder Pads.
- 2 – Oblique Strap Assemblies: (1) Left side & (1) Right side (each assembly includes (1) 2" Delrin Side Release buckle, (1) 2" S/S D-Ring, (1) 2" Delrin D-Ring and (1) Adjustable Oblique Fitting with webbing sewn in).

