Universal Paramotor Pod

Assembly & User Manual

2018 05 09 v1.01

1. Introduction

Congratulations on your choice of APCO's Paramotor Pod.

The Universal Paramotor (PM) Pod is designed to fit the majority of harnesses and frames currently on the market. A desirable upgrade for winter flying or for any cross-country pilot looking for an edge in speed, aerodynamics and comfort. It can also be used for "free fly" – non motorized paragliding.

It is attached in a way that once set up and adjusted correctly, it is simple to remove and re-attach depending on your needs on any given day.

Once attached, the Pod size and angle should be adjusted to suit you before the first flight. This is best done by suspending your setup on a simulator, where you can be seated in the harness for adjustment. It's recommended to use friend's assistance when connecting/adjusting the pod for the first time, as the assistant can see better from the side and below how the pod fits.

Your speed system can be used as normal, inside the pod. It is recommended to operate the speed system with one foot, while the other foot rests on the foot-plate of the pod.

The pod is compatible with most Reserve parachute systems, but it is recommended to do a test deployment while the motor is suspended in the simulator during the initial installation and adjustment, to insure that there are no issues. If you are uncertain, contact your dealer or APCO before flying.

Safety Note: The pod is not compatible with harnesses that have a Rescue parachute container under the seat.

2. List of Connection Points of the Pod to the PM Frame and Harness

The Paramotor pod is supplied to the customer with all connection elements necessary to assemble it to the pod to the frame and harness.

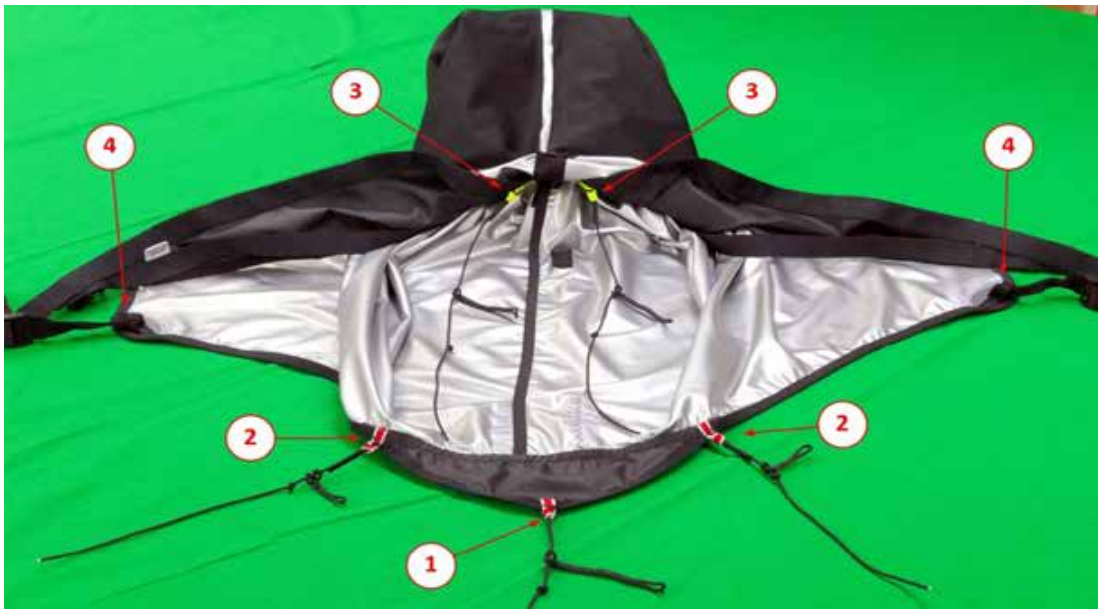

Photo A: There are a total of 7 connection points for the Pod to the harness and frame.

Photo B: Cutaway illustration showing internal structure and parts.

Photo C: **Point 1** connects middle bottom of the pod to the middle of the PM frame, or optionally it could be connected to loops at rear middle bottom of the harness.

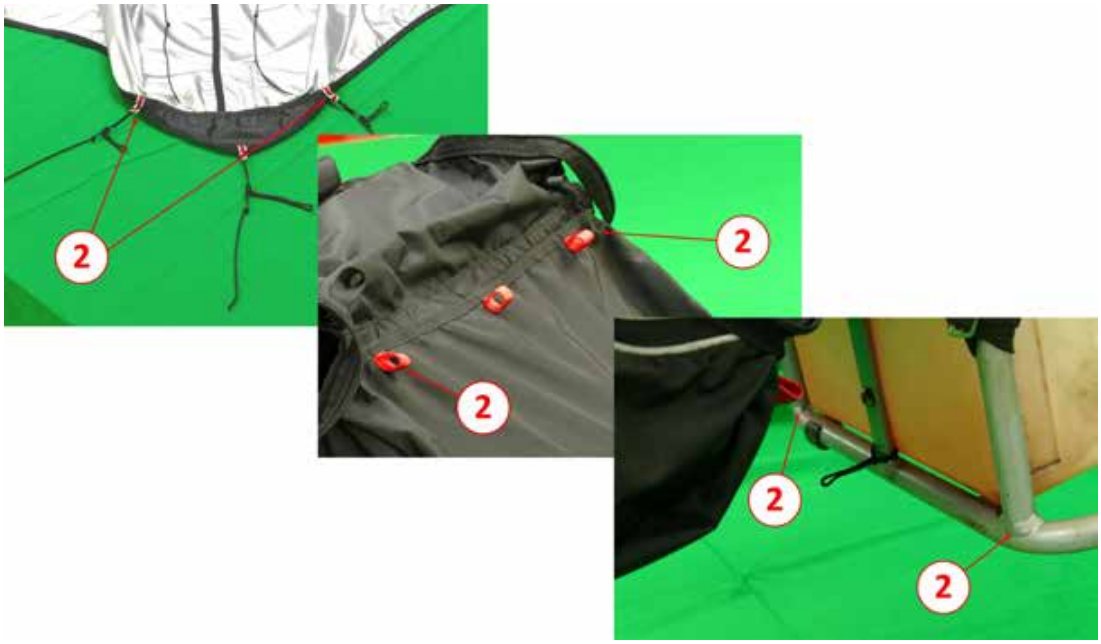

Photo D: Points no 2 (left and right) connect to the left and right corners of the harness seat, or optionally, if not using an APCO harness from recent years, **points no 2** may be connected to the bottom corners of the frame.

Photo E: Points no 3 (left and right), yellow webbing loops on the Pod – assembled to **points no 3** on the harness by a long adjustment line, with prepositioned knots. On harnesses which do not have these connection points, you can connect to the front flap webbing or speed system pulley attachments.

3. How to Attach Points 1 – 3

The structure of the connection for these points is as shown on the pictures below:

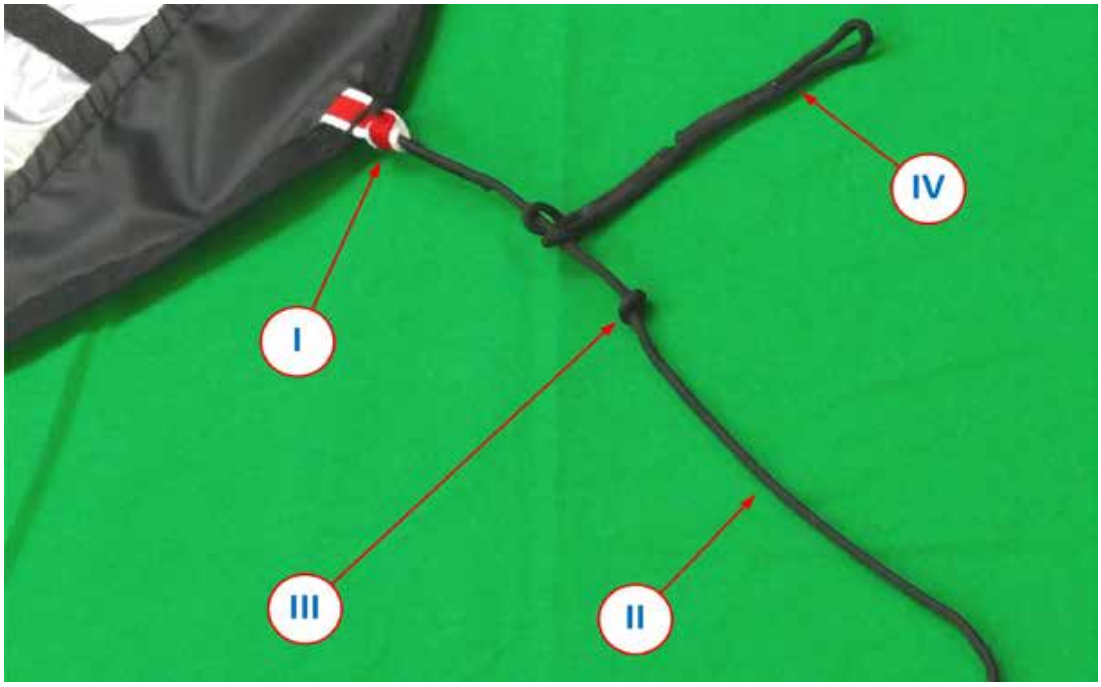

Photo F: I - the webbing loop sewn on the PM pod, II – the adjustment line attached to I, III - the size adjustment knot, and IV – the connection loop designed to be attached to the frame or harness.

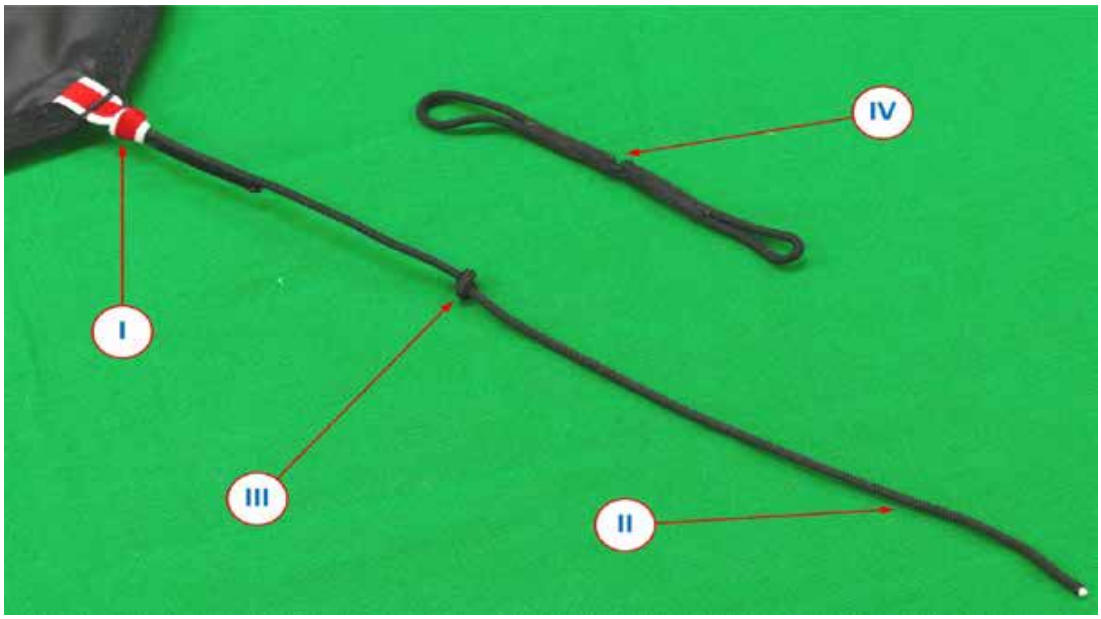

Photo G: # IV Loop has to be removed from # II

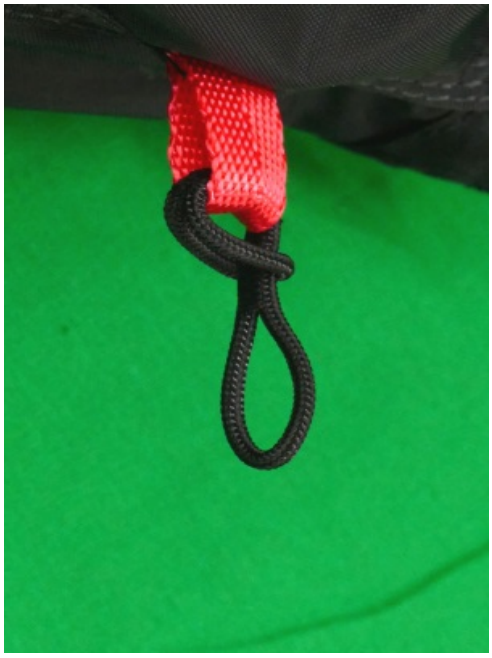

Photo H & **I:** Connecting IV to the harness (or frame if Loop not present on base of harness).

Photo J: Make a Larks Head Knot on **IV**

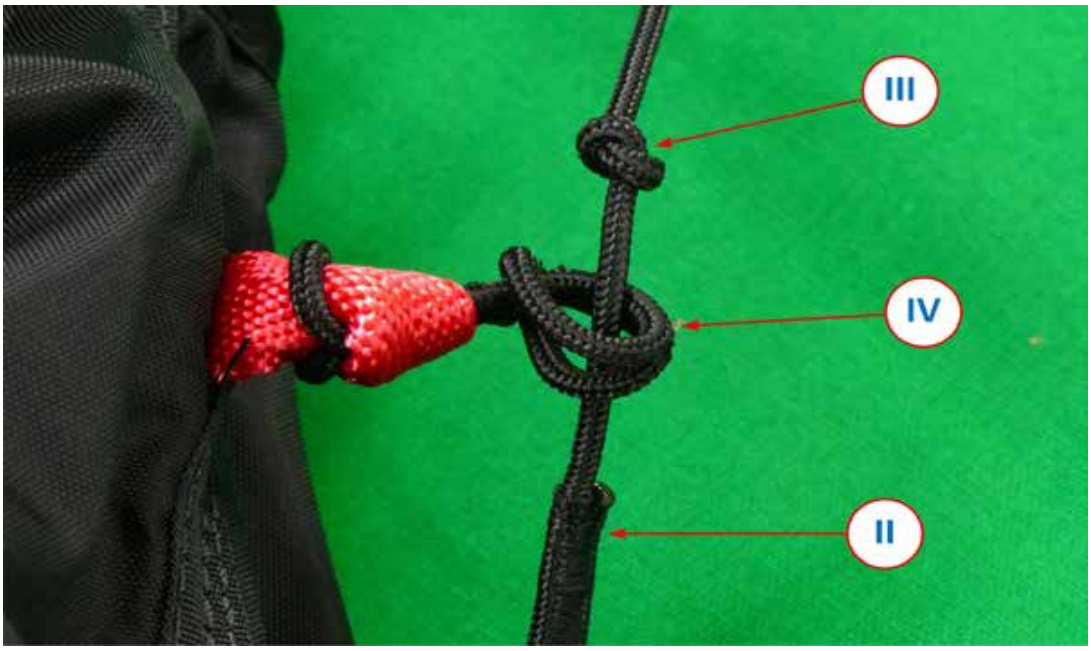

Photo K: Pass **II** through the larks head knot on **IV,** above the adjustment knot **III**.

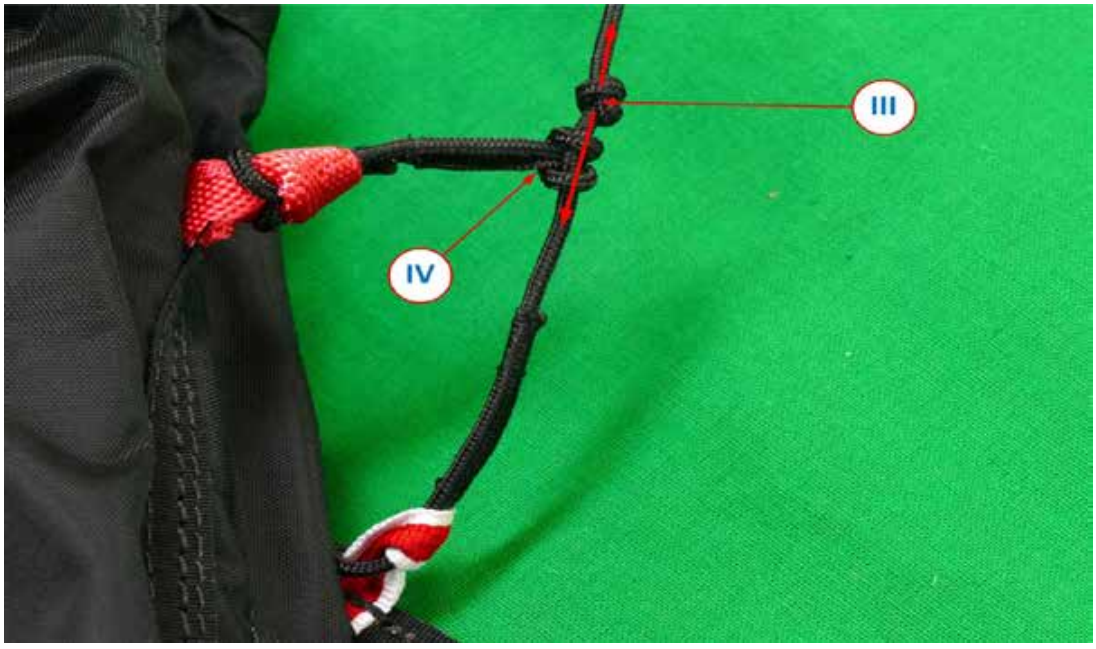

Photo L: Adjust the size of the pod by moving the adjustment knot **III** symmetrically on all three corresponding attachments.

4. Connecting the Pod to the Side arms attachment points

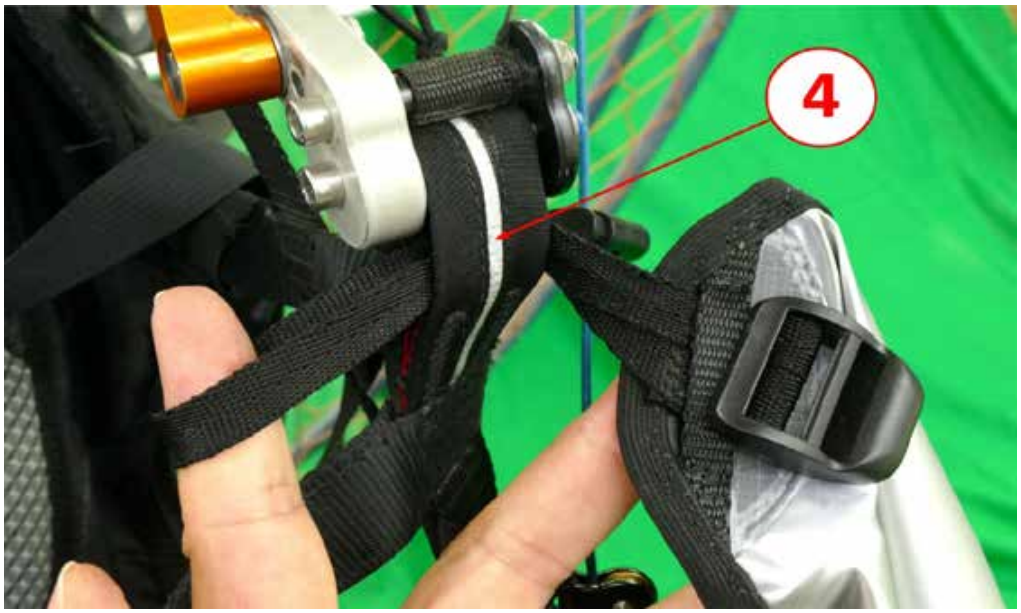

Photo M: Points **4** (left and right) (see also **Photo A**) – are connected to the hookup points of the harness.

Photo N: The structure of upper pod connection assembly as supplied – first must be disassembled from the pod, as it's shown below.

Photo O: Disassembly

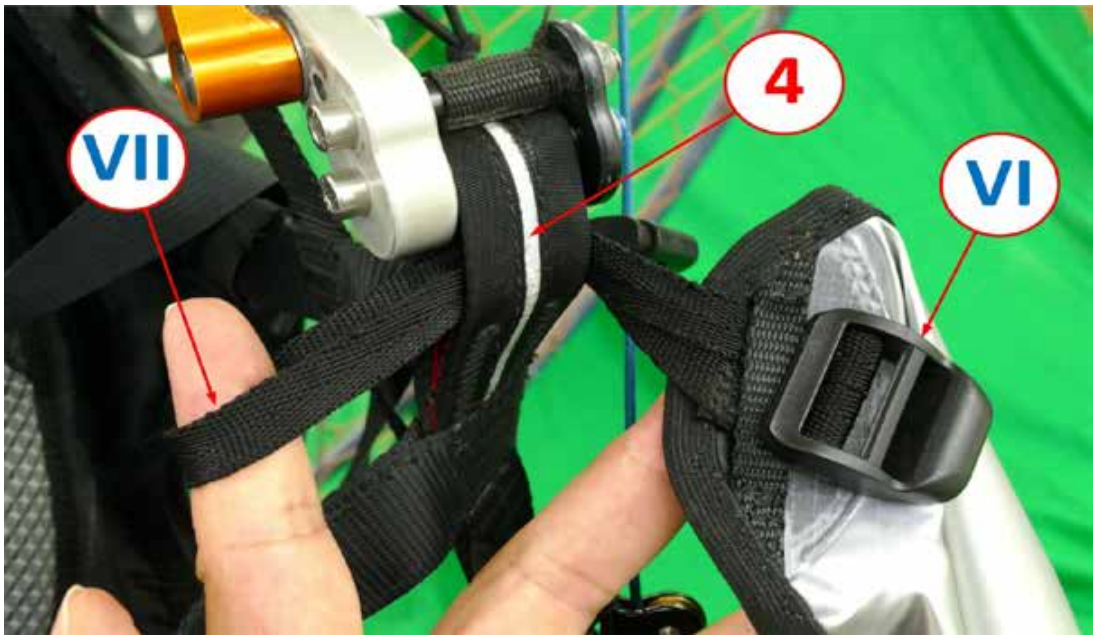

Photo P: Pass **VII** (ladder lock loop) through the harness hook-up point **4**.

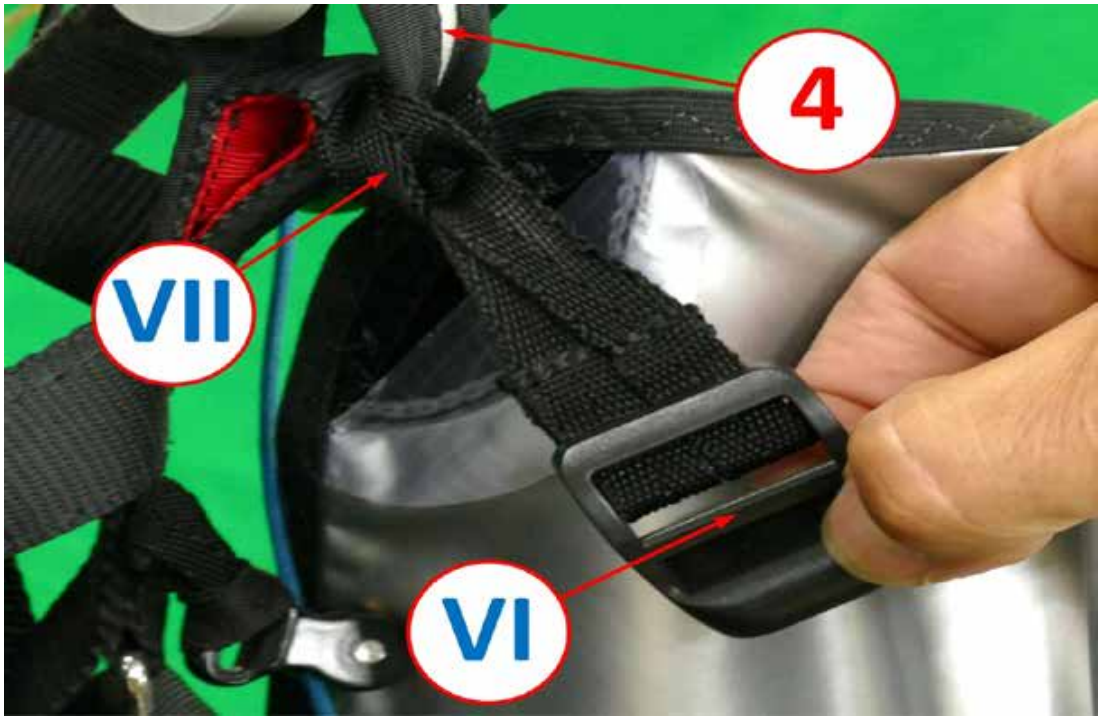

Photo Q: Then, pass **VI** (the ladder-lock slider) through its own webbing loop, and tighten the knot against the harness.

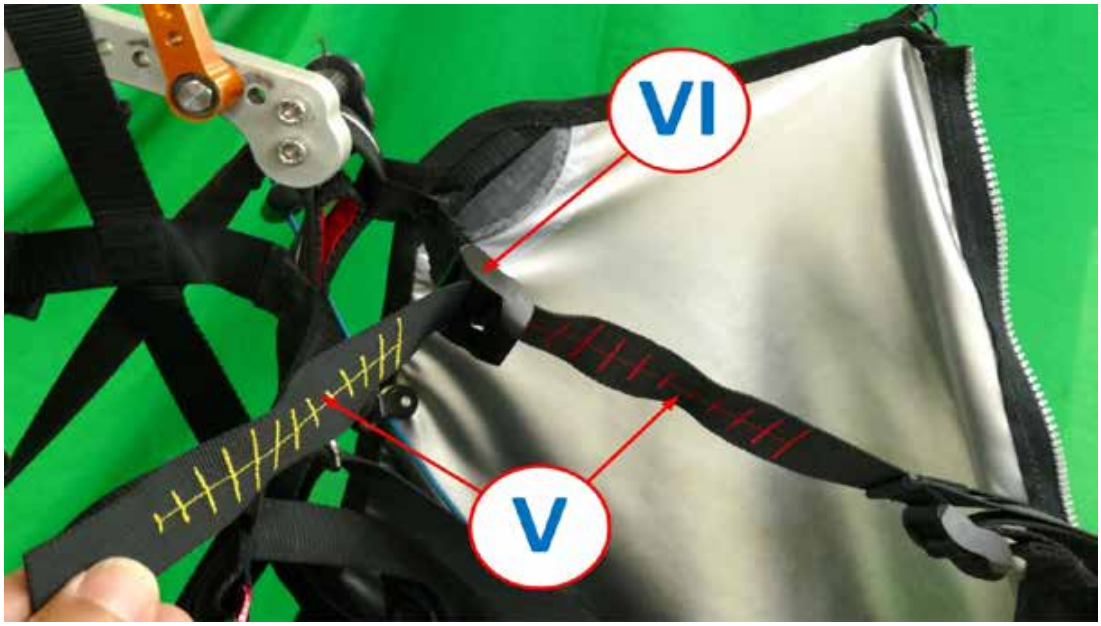

Photo R: Re-thread **V** (adjustment/support webbing) through **VI** (ladder-lock slider) and adjust the length according to the pilot's leg length by hanging the motor in a simulator.

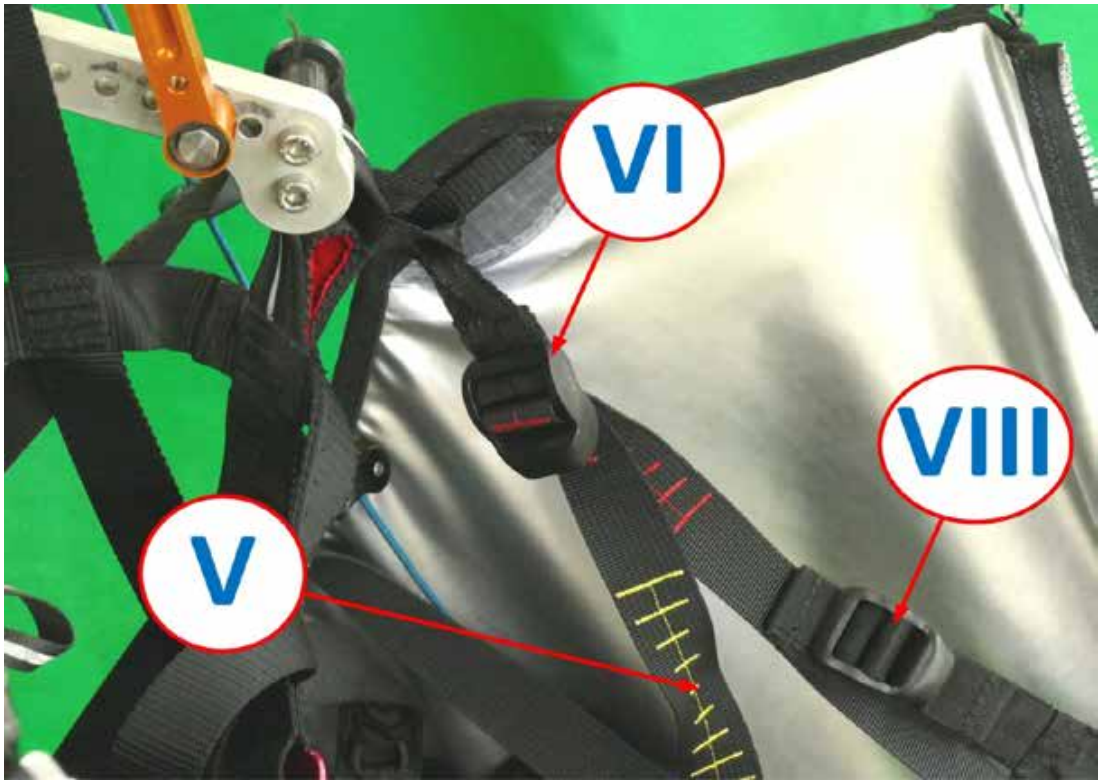

Photo S: The secondary ladder lock slider **VIII** is used to adjust the pod's foot rest angle.

5. Assembling Magnetic Attachment used for Take-Off and Landing

Photo T: Pilot's legs and the Pod position after take-off and before landing.

For take-off and landing, the nose of the pod should be temporarily attached to the retainer strap / chest strap using the supplied with the pod magnetic attachment. It consists of two parts, one is permanently attached to the top front of the pod, as **Photo U**, and the other is attached with Velcro to the harness, as shown on **Photos V and X** below:

Photo U: The holder on the top end of the Pod.

Photo V: The holder on the chest strap.

Photo X: The magnetic holder with Velcro closed on the harness chest strap – view from the inside of the harness.

6. Using the Pod

Before you start please make sure that the speed bar is inside the pod, and none of the pod parts is preventing it from operating freely.

Place the paramotor frame on the ground, step your legs through the top of the paramotor pod (Zipper opening and out of the bottom, wearing it like a skirt.

Sit into the harness, buckle the harness closures, and before closing the deck zip of the pod, do a thorough preflight of the harness closures, speed system and leg support strap routing. Close the zip, attach the nose of the pod to the magnetic attachment on your chest strap making sure then plastic frames of both magnets fit, so the magnets hold securely, and then stand up.

After the take-off when at a safe height, release the nose of the pod from the chest magnet and tuck your legs into the pod through the lower opening one leg at a time.

In strong turbulent conditions when you feel like your glider is going to collapse please bend your legs and take the upright sitting position, as it reduces the risk of line twisting.

Before landing, it is important the get your legs out of the pod. This should be done by taking one leg through the lower opening, while the other is still holding the pod in the flying position. Your second foot can then follow the first through the opening. **Warning: Bending both legs at once will make it difficult to find the lower opening in the pod.** Once your legs are out of the pod, by hand, carefully attach nose of the pod to the magnetic holder on your chest / shoulder retainer strap. Be sure to allow ample time, especially on your first flights to prepare for landing.

Blue Skies, Safe Flights!