



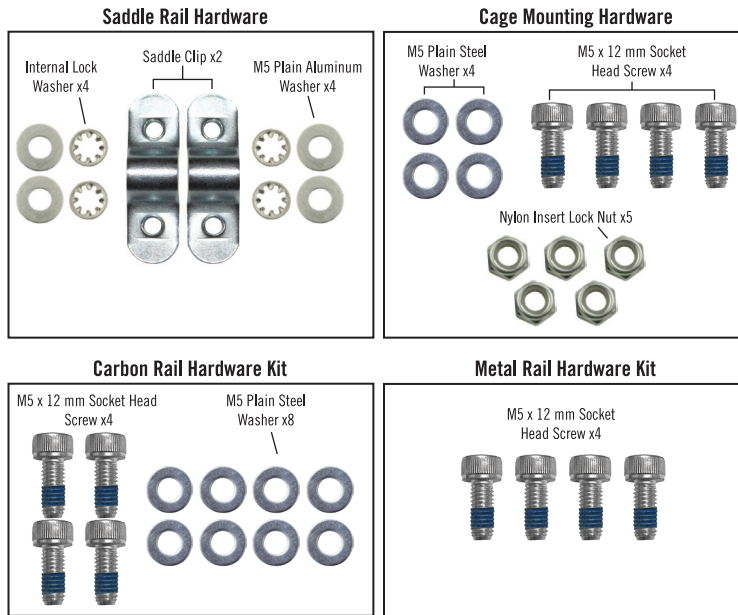
ALWAYS INVENTING THE FUTURE

CARBON WING

Installation video online at www.xlab-usa.com/carbon-wing

TOOLS REQUIRED:

- 4 mm non-ball ended Hex wrench
- 8 mm open ended wrench
- Torque wrench up to 4.0 Nm (35 in-lbs)



IMPORTANT:

PLEASE COMPLETELY UNDERSTAND ALL USER INSTRUCTIONS AND SAFETY INFORMATION BEFORE USING THIS PRODUCT. AS WITH ANY HIGH TECH PRODUCT YOU WILL NEED TO ROUTINELY CHECK FOR LOOSE HARDWARE, CRACKS OR OTHER DAMAGE AND REPLACE ITEMS AS NECESSARY. DO NOT USE PRODUCT IF ANY OF THESE CONDITIONS EXIST.

INSTALLING CARBON WING ON SADDLE RAILS:

- The front of the **CARBON WING** arms will go around the outside of the saddle rails. See **Figure A**.
- To attach the **CARBON WING** to the saddle rails, the steps are different for standard 7 mm Round Metal Rails/Dash Carbon Rails and 7 mm x 9.25 mm Oval Carbon Rails. With the oval shaped Carbon Rails, additional hardware is needed to properly fit the saddle clips.
 - 7 mm Round Metal Rails/Dash Carbon Rails:** From the Metal Rail Hardware Bag, place an M5 x 12 mm Socket Head Screw through an M5 Internal Lock Washer, then through an M5 Plain Washer, and through the hole in the very front of the **CARBON WING** on one of the sides (the largest of the three holes). Place the "U" shaped saddle clip around the inside of the rail and thread the M5 x 12 mm Socket Head Screw into the saddle clip (Do not tighten yet). Repeat on the opposite side of the **CARBON WING**. See **Figure B**.
 - 7 mm x 9.25 mm Carbon Rails:** From the Carbon Rail Hardware Bag, place an M5 x 15 mm Socket Head Screw through an M5 Internal Lock Washer, then through an M5 Plain Washer, through the hole in the very front of the **CARBON WING** (the largest of the three holes), and through two M5 Plain Washers. Place the "U" shaped saddle clip around the inside of the rail and thread the M5 x 15 mm Socket Head Screw into the saddle clip (Do not tighten yet). Repeat on the opposite side of the **CARBON WING**. See **Figure B**.
- There are two possible mounting positions depending on which of the other holes is used to thread into the saddle clip (See **Figure C**). Determine which mounting position is preferred by adjusting the **CARBON WING** until the saddle clip lines up with one of the holes on the **CARBON WING**.
- Once the second mounting hole has been determined, repeat Step 2 for the selected hole and thread into the remaining hole on each of the saddle clips (Do not tighten yet). See **Figure D**.



Figure A



Figure B



Figure C



Figure D

INSTALLING CAGES TO THE CARBON WING:

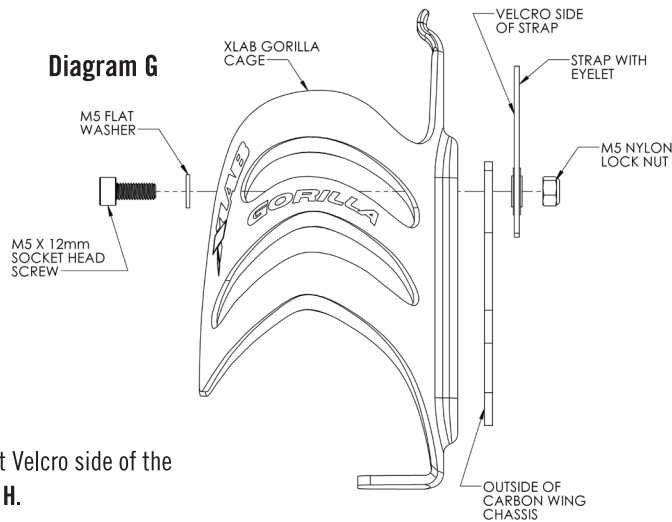
1. Using the top hole on each side of the **CARBON WING**, thread an M5 x 12 mm socket head screw through a Flat Washer, next through the top cage hole and then through the **CARBON WING** side. *If you are installing bags either into the interior of the **CARBON WING** or underneath, please see section below “Attaching Bags to the **CARBON WING** Carrier” before proceeding further. Place an M5 Nylon insert Lock Nut onto the M5 x 12 mm Socket Head Screw on the inside of the **CARBON WING** to secure the top of the cage.
2. Select your ideal bottle cage angle by choosing one of the 3 holes on the bottom on each side of the **CARBON WING**. Thread an M5 x 12 mm screw through the Flat Washer, next through the lower cage hole and then through the selected hole in the **CARBON WING** side and into an M5 Nylon insert Lock Nut. The cage should look like **Figure E**.
3. Tighten all four screws with a torque wrench to 4.0 Nm (35 in-lbs).



ATTACHING BAGS TO THE CARBON WING CARRIER:

Top strap for holding down XLAB MINI BAG.

1. Undo the straps so you have 2 pieces – the buckle and short Velcro strap.
2. On the left side of the **CARBON WING** (when looking from the back), insert the bottle cage mounting hardware through the top hole of the **CARBON WING** chassis.
3. Thread the eyelet of the buckle strap over the screw on the inside of the **CARBON WING**. The soft Velcro side should be facing the sidewalls. See **Figure F** and **Diagram G**.

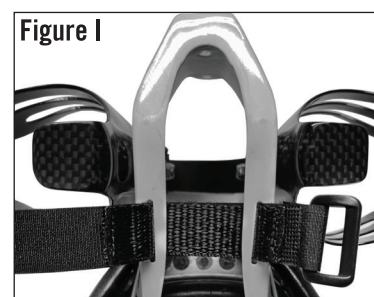


4. Attach one M5 Nylon insert Lock Nut to the screw but do not tighten yet.
5. Repeat steps 2-4 above on the right side with the short Velcro strap. The soft Velcro side of the Velcro strap should face the sidewall of the **CARBON WING**. See **Figure H**.
6. Tighten both screws with a torque wrench to 4.0 Nm (35 in-lbs).
7. Place **MINI BAG** into storage area. Take the short velcro strap and thread through buckle. Cinch down to secure bag.



LOWER STRAP FOR HOLDING XLAB MEZZO BAG:

1. Thread the remaining long Velcro strap up through one of the two slots on the bottom surface of the **CARBON WING**. The soft Velcro side of the strap should face the outside of the **CARBON WING**.
2. Pull the strap through the slot and thread back down through the opposite slot on the bottom surface of the **CARBON WING**. Both ends of the Velcro strap should be hanging down below the **CARBON WING**.
3. Adjust the Velcro strap so that the reinforced portion of the strap is going through both slots in the **CARBON WING**. See **Figure I**.
4. Thread the non-buckle side of the strap through fabric slot under the **MEZZO BAG** and through the strap buckle. Cinch down. Then take the front strap of the **MEZZO BAG** and wrap around the seat post to secure it in place.



WARRANTY:

CARBON WING has a limited lifetime warranty. See website for details.