



INSTALLATION INSTRUCTIONS

IMPORTANT:

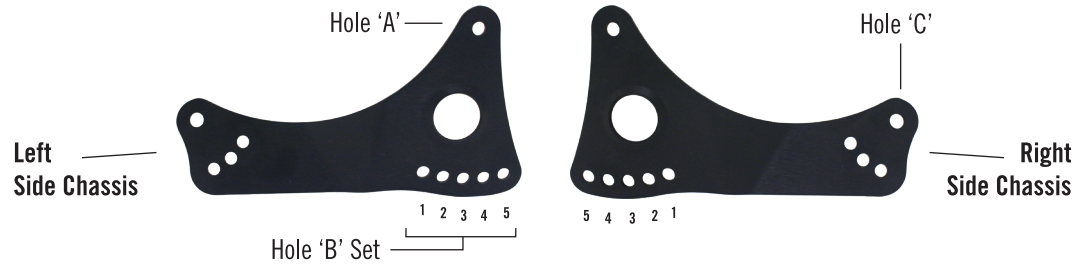
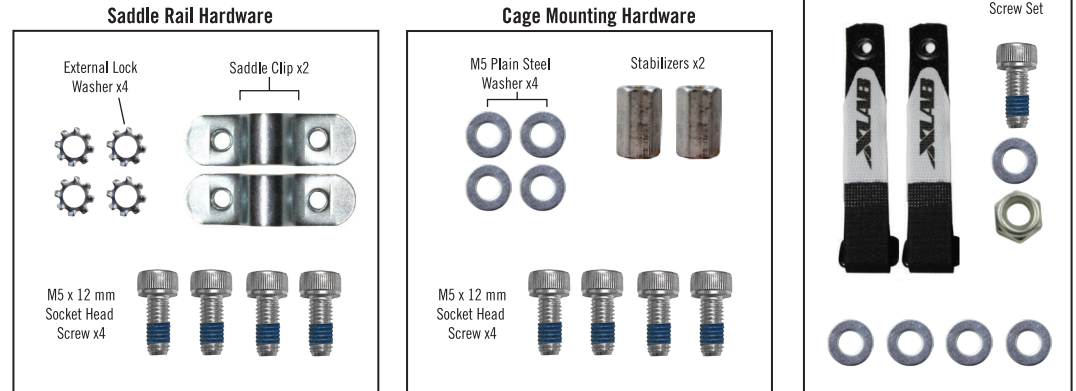
PLEASE COMPLETELY UNDERSTAND ALL USER INSTRUCTIONS AND SAFETY INFORMATION BEFORE USING THIS PRODUCT. AS WITH ANY HI TECH PRODUCT YOU WILL NEED TO ROUTINELY CHECK FOR LOOSE HARDWARE, CRACKS OR OTHER DAMAGE AND REPLACE ITEMS AS NECESSARY. DO NOT USE PRODUCT IF ANY OF THESE CONDITIONS EXIST.

TOOLS REQUIRED:

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



HARDWARE INCLUDED



NOTE:

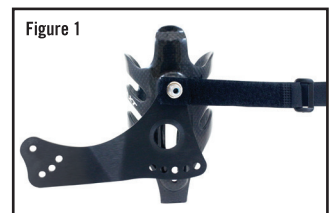
Loctite: The Loctite on the threads will harden over 24 hours. You can still remove the screws in the future, but the Loctite is a one-time use. You can purchase replacement screws with Loctite separately.

Carbon Rails: For 7 mm x 9 mm oval-shaped carbon rails, a carbon rail adapter kit, is required for installation and can be purchased separately.

Before installation, determine if you will be using a bag with the included straps. If yes, please go to that specific section for installation instructions.

Using the TURBO WING with a bag at the rear:

- Place an M5 x 12 mm Socket Head Screw through an M5 Flat Washer, through the top hole in the bottle cage, through Hole 'A' in the **TURBO WING** chassis and then through the eyelet in the **X-STRAP**. Thread into one of the stabilizers. Hand tighten. **(Figure 1)**
- Decide the angle you would like to have your bottle cages by selecting one of the holes in the Hole 'B' set on the bottom of the chassis **(Figure 2)**
- Place an M5 x 12 mm Socket Head Screw through an M5 Flat Washer, through the bottom hole in the bottle cage, your Hole 'B' choice in the **TURBO WING** chassis, the eyelet in the **X-STRAP** and into the 2nd stabilizer. Hand tighten. **(Figure 3)**
(Note: if you decide to use the 1st or 2nd hole from the left for the cage, the lower X-STRAP will be too short to reach around a bag. If this is the case use the extra screw set and install the strap utilizing hole number 4 on the right side of the chassis. In addition, use 2 M5 Flat Washers on the cage screw)
- Repeat steps 1-4 on the other side, minus the **X-STRAPS** which are now installed.
- Tighten each of the four screws by holding the stabilizer with the 8 mm wrench and tightening the screws to 4.0 Nm (35 in-lbs) your setup should look like. **(Figure 4)**



Using the TURBO WING with no bag at the rear:

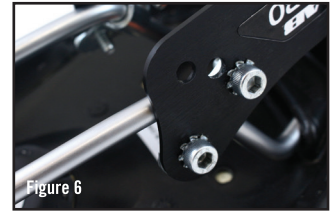
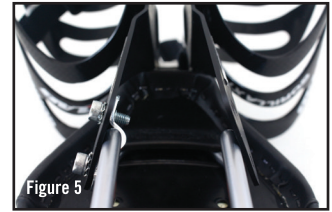
- Place an M5 x 12 mm Socket Head Screw through two (2) M5 Flat Washers, through the top hole in the bottle cage, and then through Hole 'A' in the **TURBO WING** chassis. Next, thread into one of the stabilizers. Hand tighten. **(Figure 1)**
- Place an M5 x 12 mm Socket Head Screw through two (2) M5 Flat Washers, through the bottom hole in the bottle cage, through your Hole 'B' choice in the **TURBO WING** chassis, and into the 2nd stabilizer. Hand tighten. **(Figure 3)**
- Repeat steps 1-4 on the other side.
- Tighten each of the four screws by holding the stabilizer with the 8 mm wrench and tightening the screws to 4.0 Nm (35 in-lbs).

ATTACHMENT TO THE SADDLE RAILS

The front of the two **TURBO WING** chassis sits on the outside of the saddle rails.

1. Place an M5 x 12 mm Socket Head Screw through an M5 External Lock Washer, **TURBO WING** Chassis (Hole 'C' the largest of the four holes) and thread it into the 'U' shaped saddle clip. Repeat on the opposite side. Do not tighten down. (Figure 5)
2. The other end of the 'U' shaped saddle clip should line up with one of the three remaining holes in the **TURBO WING** chassis. Place an M5 x 12 mm Socket Head Screw through an M5 External Lock Washer, through this hole, and thread it into the 'U' shaped saddle clip. Repeat on the opposite side. (Figure 6)
3. Tighten all four screws to 4.0 Nm (35 in-lbs) of torque.

Caution: Never install the 'U' shaped clips on the corner of the rails as doing so may cause the carrier to slip. Instead install the carrier on the rails that extend down from the saddle to the first bend.



ATTACHING A MINI BAG

1. Line up the **MINI BAG** vertical between the cages and place the bottom **X-STRAP** over the bottom portion of the bag. (Figure 7)
2. Take the bottom strap and feed it through the buckle and strap it down loosely. Next take the top **X-STRAP**, place it over the top portion of the bag, and feed the strap through the buckle and loosely strap it down. Adjust the bag to make sure it is vertically straight, and then go back and tighten the straps. **TIP** tuck zipper pull down so that it is not flapping in the wind. Bag strap can either be cut off or tucked in underneath. (Figure 8)



ATTACHING A MEZZO BAG

1. With your saddle upside down on a flat surface, place the **MEZZO BAG** horizontal underneath the **TURBO WING** with the external pocket facing out. (Figure 9)
2. Unbuckle the **MEZZO BAG** strap. Thread both sides of the strap underneath the **TURBO WING**, and through the gap between your saddle and the **TURBO WING**. Fasten the buckle, then tighten strap as needed. (Figure 10)
3. Take the bag's front strap and fasten it around the seat post. Make sure the strap is tight. (Figure 11)



OPTIONS:

STRAPS

Use the included **X-STRAPS** to hold **XLAB MINI** or **XLAB MEZZO BAG**. (Figure 4)

MAINTENANCE:

Frequently check that all screws are tight.

WARRANTY

TURBO WING – Limited 3 Year Warranty. See website for more details.

