

assembly guide



E-114

2011 Edition



ARGON 18



partslist



1) E-114 fork

2) AHB5000 Handlebar

- a. 2 pair carbon tri-bar extensions
- b. 2 aluminum inserts for tri-bar extensions
- c. 2 carbon armrests
- d. Package of 2 armrest pads
- e. 2 armrest bracket
- f. Armrest bracket spacers (8)
(4x10mm, 4x5mm)
- g. aero-shaped spacers, to match frame size:
 - i. XS: 2 x10mm spacers, 1 x 25mm spacer
 - ii. S: 2 x 10mm spacers, 1 x 25mm spacer
 - iii. M: 2 x10mm spacers, 2 x 25mm spacers
 - iv. L: 2 x10mm spacers, 3 x 25mm spacers
- h. Tri-bar extensions adjustment bolts

3) Flexible masking cap for base bar

4) Brakes

- a. 2 TRP RL970 brake levers
- b. 2 TRP T825 brake calipers, front and rear
- c. Tektro brake cable guides (90 degree angle for front brake, 110 degree angle for rear brake)
- d. 1 serrated washer (for front brake only)

5) Screws and bolts :

- a. 8 M5 25 mm bolts
- b. 8 M5 16mm bolts
- c. 8 M5 8mm bolts
- e. 2 M8 10mm setscrews for tri-bar extensions
- f. 1 fork-mounting bolt; length varies to match frame size:
 - i. XS and S: 1 M8 50mm and 1 M8 80mm fork mounting bolts
 - ii. M and L: 1 M8 80mm and 1 M8 130mm fork mounting bolts

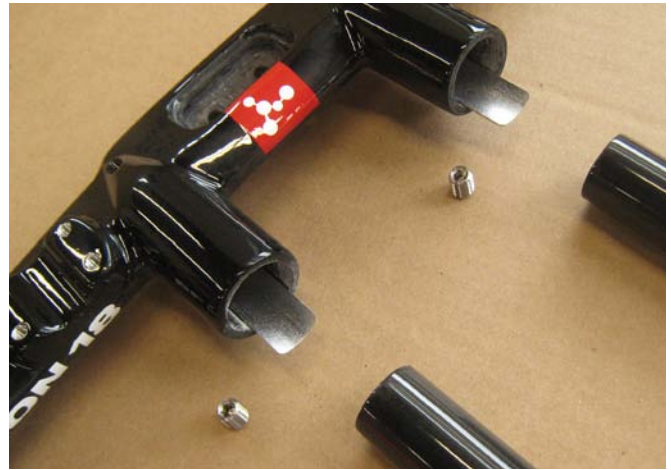
6) ASP5000 seat post (not shown)

7) ONEness: XS & S: 65mm - M & L: 95mm (not shown)

1- AHB5000 handlebar assembly



- a. Select the tri-bar extensions to be used and **insert them in the base bar, first placing the aluminum inserts in the tri-bar sockets on the base bar.** The adjusting bolts (M8/10mm) are fitted underneath the base bar. Tighten bolts lightly, allowing enough play for adjustment.



- b. Once the extensions have been properly adjusted to the rider, tighten bolts to the recommended torque setting.
Recommended tightening torque: 4.5Nm

- c. Install armrest brackets, using spacers if necessary.
Recommended tightening torque: 3Nm



- d. Install carbon armrests to brackets. Tighten lightly, adjust position to suit rider and then tighten bolts to recommended torque setting.
Recommended tightening torque: 2.5Nm



- e. **Recommended tightening torque for the break levers and shifters: 6Nm.**
Please note: we suggest you finalize your customer's position on his bicycle before cutting the cable housings of the brakes and derailleurs.

2- Installation and fitting of the ONEness.

- a. First install the lower crown race on the fork as you would do on a standard fork.
- b. Slide the lower bearing into bottom of headtube, using a small amount of grease
- c. Slide the fork into the headtube
- d. Put the top bearing into the top of headtube, using a small amount of grease.



- e. Slide the compression ring
- f. Slide the top cap. If it rubs against the frame, use the thin .25mm spacers to create a gap between the top cap and the splitted compression ring.

g. Install the ONEness system (XS & S = 65mm, M & L = 95mm) on top of all the spacers.

h. Slide the aluminum adaptor shim between the steertube and the stem clamp

i. Install the longer fork mounting bolt (XS & S = 80mm, M & L = 130mm) and tighten it to the recommended torque of 5 Nm

j. Tighten the two ONEness clamp bolts to the recommended torque of 6 Nm



k. Install the handlebar assembly on the stem and adjust the angle by pivoting it on the serrated bed of the ONEness system.

l. Once the proper angle is found, fasten the handlebar assembly to the ONEness system using the two bolts and the backing plate to the recommended torque of 7 Nm

m. It is now time to fit the rider's height going through steps j. to l., using the shorter fork mounting bolt if necessary (XS & S = 50mm, M & L = 80mm).

n. Install the flexible masking cap to hide the assembly bolts.

o. The extensions can now be cut to the desired length. We recommend using a box mitre and a hacksaw with a 32-teeth/inch blade to ensure a clean, perpendicular cut.

p. Determine the point along the steer tube where the fork is to be cut. Use a pointed tool to mark the spot.

q. Untighten fairing clamp bolts, remove the parts just installed and cut steer tube to proper length.



3 - Installing saddle and seatpost



- a. Saddle and seatpost are installed and adjusted in two steps: 1) Saddle angle is set by pivoting the cylindrical component on the carbon part of the post. We suggest pre-setting saddle angle before adjusting saddle setback. Once the angle has been set to suit the rider, remove the saddle and tighten the cylindrical component using a torque wrench. **Make sure that both bolts have the same length (M6/20mm). The recommended torque for tightening the cylinder is 8Nm.**



2) Saddle setback is adjusted using the two bolts located on the cylinder, as with a standard seatpost.

- b. The seatpost is shipped full-length. It may be cut, but a minimum insertion length of 8cm must be kept. We recommend using a box mitre and a hacksaw with a 32 teeth/inch blade to ensure a clean, perpendicular cut.
- c. **Recommended seatpost clamp tightening torque is 7Nm.**
As with all carbon seatposts, use carbon fiber assembly compound in the seat tube.
Do not use grease.

