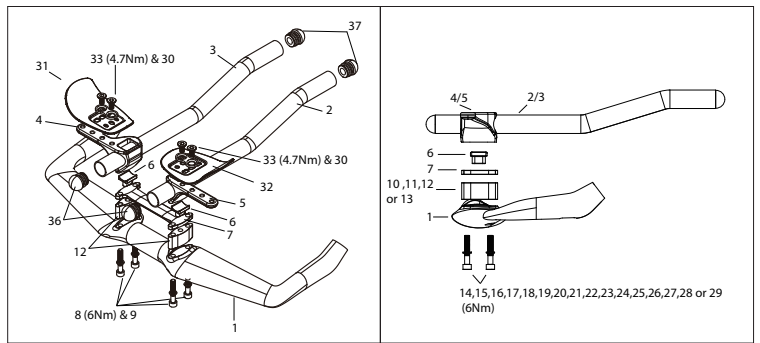


Note to Dealers: If you install this product for the consumer, please provide him/her with this owner's manual after installation.

Thank you for purchasing the Profile Design Aeria™, one of the most technologically advanced aerobars available today. Please read these instructions thoroughly before attempting to install and use this aerobar. Proper installation is required for compliance with Profile Design's warranty policy. If you are not familiar with the installation of aerobars please seek the assistance of your local Profile Design dealer by logging on to www.profile-design.com and using "dealer search" or by calling Profile Design's customer service number.

Tools and materials required: Torque wrench (in-lbs/Nm), 5mm Allen wrench

- Do not grease the handlebar clamping area as this may cause the bar to slip while riding that can result in a loss of control.
- Please confirm the handlebar clamp diameter matches that of the stem clamp diameter. An incorrect match could result in handlebar failure, stem failure, or both.
- Remove your current handlebar, brake levers, shifters and handlebar tape. Prior to Aeria handlebar installation, please check the front stem clamp for any sharp edges or burrs. Remove these sharp edges or burrs with the sandpaper or file (as needed) as they may damage the carbon fiber. Once the desired riding position is determined, clamp the bar to the stem, and evenly tighten the stem front clamp bolts to their specified torque (do not exceed 53 in-lbs/6Nm). With a new stem, please follow the manufacturer's instructions for installation (do not exceed 53 in-lbs/6Nm).
- Install the brake levers into the wing (#1) and adjust them accordingly. Please note the wing is pre-drilled for internal cable routing holes. **[WARNING]** DO NOT DRILL, REAM, SAND OR OTHERWISE MODIFY THE END OF THE WING TO ACCEPT BRAKE LEVERS. Profile Design recommends the use of Profile Design brake levers with this aerobar. The wing is also designed to fit other brake levers with a 19.5mm outer diameter clamp.
- To install the armrests, place the M6x13 flat head bolts (#33) through the M6 Armrest washer (#30), through the armrests (#31,8,32), and into the top bracket. Using the 5mm Allen wrench, tighten the M6x13 flat head bolts to a torque of 30-42in.lbs. (3.4-4.7 Nm). Repeat on second armrest.
- The extensions are adjusted through an internal wedge mechanism (#6) that is tightened from the bottom of the wing and affixes the bracket to the wing while also clamping the extensions. Tighten the socket head bolts (#8) to a torque of 53 in-lbs/6Nm. **[WARNING]** Do not overtighten tighten these bolts. The Aeria includes spacers and bolts that allow for the bracket to be raised above the basebar. Install the desired spacers between the wing and the bracket and insert the correct bolt per the Spacer/Bolt Spec Chart below. Tighten these bolts to a torque of 53 in-lbs/6Nm.
- The Aeria includes spacers and bolts that allow for the bracket to be raised above the basebar. Install the desired spacers between the wing and the bracket and insert the correct bolt per the **Spacer/Bolt Spec Chart** below. Tighten these bolts to a torque of 53 in-lbs/6Nm. **[WARNING]** If more than 45mm of spacers is added the 5mm bridge spacer is required to stabilize the brackets. This bridge must be mounted directly under the brackets.
- If you wish to install bar end shifters into the extensions, slide control cable and housing through the hole provided in the tube. **[WARNING]** DO NOT DRILL OR CUT THE EXTENSION BAR. Tighten the mounting bolt until lever is firmly in place. DO NOT OVER TIGHTEN MOUNTING BOLT AS THIS MAY DAMAGE THE AEROBAR. Do not exceed 45in-lb (5Nm).
- Recheck the bolts for tightness after first usage and periodically thereafter to insure secure attachment of the aerobar.



AERIA - PARTS LIST			
Qty. Req.	Part #	Ref #	Part Description
1	MISC	1	Aeria Wing 42cm
1	MISC	2	Aerobar
1	MISC	3	Aerobar
1	189313	4	Bracket-Aeria Left**
1	189314	5	Bracket-Aeria Right**
2	27447	6	Bracket Adapter -Aeria Internal**
1	683180	7	Bridge - Aeria
4	313525	8	Bolt-M6x15mm SHB
4	590706	9	Washer-M6x30x0.8 SS
2	293116	10	Spacer-5mm Aeria**
2	293117	11	Spacer-10mm Aeria**
2	293118	12	Spacer-20mm Aeria**
2	293119	13	Spacer-40mm Aeria**
4	313528	14	Bolt-M6x20mm SHB*
4	313531	15	Bolt-M6x25mm SHB*
4	313532	16	Bolt-M6x30mm SHB*
4	313530	17	Bolt-M6x35mm SHB Half Thread*
4	313533	18	Bolt-M6x40mm SHB Half Thread*
4	313534	19	Bolt-M6x45mm SHB Half Thread*
4	313535	20	Bolt-M6x50mm SHB Half Thread*
4	313537	21	Bolt-M6x55mm SHB Half Thread*
4	313538	22	Bolt-M6x60mm SHB Half Thread*
4	313539	23	Bolt-M6x65mm SHB Half Thread*
4	313540	24	Bolt-M6x70mm SHB Half Thread*
4	313541	25	Bolt-M6x75mm SHB Half Thread*
4	313542	26	Bolt-M6x80mm SHB Half Thread*
4	313543	27	Bolt-M6x85mm SHB Half Thread*
4	313544	28	Bolt-M6x90mm SHB Half Thread*
4	313548	29	Bolt-M6x95mm SHB Half Thread*
2	275555	30	Washer-M6 Armrest
1	MISC	31	Armrest
1	MISC	32	Armrest
4	313411	33	Bolt-M6x13 Flat Head BCP
1	MISC	34	Pad
1	MISC	35	Pad
2	716665	36	End Plugs w/lot-Logo
2	MISC	37	End Plugs

Aeria Spacer & Bolt spec chart	
Spacer Height	Bolts needed
None (bracket only)	Bolt-M6x15mm SHB
5mm	Bolt-M6x25mm SHB
10mm	Bolt-M6x30mm SHB
15mm	Bolt-M6x35mm SHB
20mm	Bolt-M6x40mm SHB
25mm	Bolt-M6x45mm SHB
30mm	Bolt-M6x50mm SHB
35mm	Bolt-M6x55mm SHB
40mm	Bolt-M6x60mm SHB
45mm	Bolt-M6x65mm SHB
50mm	Bolt-M6x70mm SHB
55mm	Bolt-M6x75mm SHB
60mm	Bolt-M6x80mm SHB
65mm	Bolt-M6x85mm SHB
70mm	Bolt-M6x90mm SHB
75mm	Bolt-M6x95mm SHB
80mm	Bolt-M6x95mm SHB

*Not pictured / **Part number for gloss only

WARNING

- Any failure to follow these warnings and instructions can result in breakage, slippage and or other malfunctioning of this Profile Design component causing a loss of control of the bicycle with serious injuries. [AP1100-1-1]
- A creaking component can be a sign of potential problems. Make sure all contact surfaces between components are clean, all bolt threads are greased or are treated with proper thread lock and tightened to Profile Design's (or the bike manufacturer's) specifications and all components are properly sized to fit together. If you continue to experience creaking stop using the Profile Design component and call Profile Design customer service. [AP0601-2-2]
- Under tightening a bolt can result in a part coming loose while riding and an over tightened bolt can break unexpectedly or strip the threads it is engaging while riding also resulting in a loss of control. All bolts must be tightened to Profile Design's (or the bike manufacturer's) torque specifications. On the first and any subsequent assembly examine all male and female threads and bolts for stripped threads, cracks and any required lubrication or thread locking compound. [AP1100-3-2]
- Periodically, closely examine all surfaces of this Profile Design component (after cleaning) in bright sunlight to check for any small hairline cracks or fatigue at "stress points" (such as welds, seams, holes, points of contact with other parts etc.). If you see any cracks, no matter how small, stop using the part immediately and call Profile Design customer service. [AP0302-4-2]
- Whenever you install any new component on your bike make sure you thoroughly try it out close to home (with your helmet) where there are no obstacles or traffic. Make sure everything is working properly before going off on a ride or to a race. [AP1100-5-1]
- Racing (road, mountain or multi-sport) places extreme stress on bicycles and their components (like it does riders) and significantly shortens their usable life. If you participate in these types of events, the lifetime of the product may be significantly shortened depending upon the level and amount of racing. The "normal wear" of a component may differ greatly between competitive and non-competitive uses, which is why professional level riders often use new bikes and components each season as well as having their bikes serviced by professional mechanics. Particular care should be placed in the regular examination of your bicycle and it's components to insure your safety. [AP1100-6-1]
- A number of factors can reduce the life of this component to less than its warranty period. Rider size and/or strength and riding style, high mileage, rough terrain, abuse, improper installation, sweat, adverse environmental conditions (such as salt air or corrosive rain), travel damage (especially if bike and components are repeatedly disassembled and then reassembled) and crashes or accidents can all contribute to the shortening of the life of this component. The more factors that are present, the more the life of the component is reduced. [AP0801-7-2]
- All of the warnings and care instructions that pertain to metal parts apply doubly to carbon fiber parts (except for corrosion) as they are very delicate and can be easily damaged during use. The use of a torque wrench is highly recommended as it is very easy to over or under tighten any carbon part resulting in a cracked (ruined) part or worse, a part that breaks during usage. On a routine basis you must thoroughly check for cracks, wear marks, surface deterioration, delaminating, chipping of the finish or carbon splintering especially where a carbon component contacts or is mated to a non-carbon component. Once the surface of a carbon part is compromised it can break. Do not apply any lubricant to any carbon surface where they come in contact with another carbon or metal part. After a crash carbon parts may be scraped but will not likely be bent like a metal part. However they can still be weakened and must be replaced. Call Profile Design customer service and ask about our "Crash Replacement Policy". [AP0706-8-1]
- Make sure you periodically recheck ALL aerobar bolts for tightness as indicated. Many of these bolts can loosen due to road vibration, which can cause possible breakage and loss of control. Make sure only the Profile Design supplied bolts are used. [AB1100-1-1]
- Aerobars can require riding positions that are new or different to many riders. It is advisable to practice using these bars in a low traffic area to become accustomed to any changes in the steering or handling characteristics of the bike. Please exercise caution when using these types of handlebars for the first time. Also make sure that you continue to look forward when riding and do not look down towards the ground. [AB1100-2-1]
- If you ever crash and the handlebar, aerobar OR stem is damaged in any way, (slight bends or scrapes) ALL ADJOINING PARTS should be replaced as there may be undetectable damage to either part. Call Profile Design customer service and ask about our "Crash Replacement Policy". [AB1100-3-1]
- Whenever an aerobar-equipped bike is placed on a roof rack, remove the armrest pads (if they are Velcro attached). Pads lost during transport are not covered by Profile Design Warranty. [AB1100-6-1]
- Periodically check your handlebar closely for nicks, indentations or scoring from the stem clamp. Also look for signs of slight bends or deformity in the bar (that were not originally present). This will require removal of the bar from the stem. If you see such signs replace the bar with one of the appropriate diameter. [B1100-1-1]
- Please follow the component manufacturer's carbon part torque specifications when installing components to a carbon fiber handlebar. Over tightening bolts may compromise the integrity of the handlebar. [B1100-2-1]
- Make sure the handlebar clamp area diameter matches that of the stem clamp diameter (i.e. 31.8mm, 26.0mm or 25.4mm). An incorrect match could result in handlebar and or stem damage, slippage or breakage causing a possible loss of control and injury. [B0706-4-1]

Profile Design warrants all its products for two years from original purchase. For further details on the Profile Design warranty and Crash Replacement policy please visit www.profile-design.com/warranty