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My E-119 Tri+

Date of purchase: \_\_\_\_\_

Retailer: \_\_\_\_\_

Size: \_\_\_\_\_

Serial Number: \_\_\_\_\_

*For the warranty to be valid, the bicycle must be fully assembled by an authorized Argon 18 dealer. High end components, particularly carbon parts, need extra care when assembled. These components must be installed using a calibrated torque wrench to make sure every bolt is at the right torque setting to prevent damage.*



## Tools needed for assembly

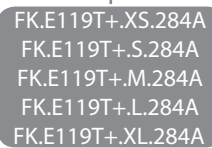
- 1: Allen Key Set
- 2: Grease
- 3: Utility Pick Set (Park Tool Item # UP-SET)
- 4: Clean Rags
- 5: Derailleur Hanger Alignment Gauge (Park Tool Item # DAG-2)
- 6: Cables and Housing Cutter
- 7: Carbon Paste
- 8: 8mm Flat Wrench
- 9: 13mm Flat Wrench
- 10: Loctite #242 or #243
- 11: Torque Wrench + Hex bit
- 12: Long-nose Plier

## First Aid Kit: Essential parts to always have on hand IN CASE OF EMERGENCY...THIS MIGHT SAVE YOUR RIDE!

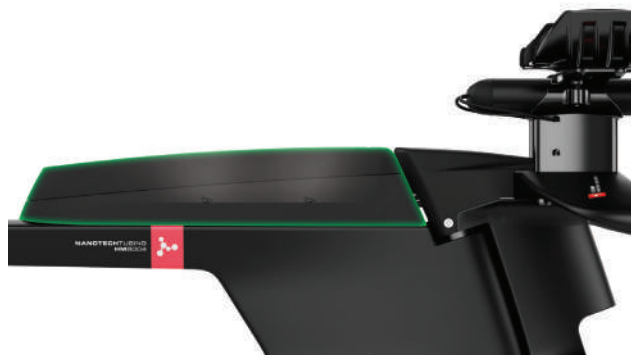
- 1: Spare rear dropout (SKU: 38883)
  - 2: Spare brake pads corresponding to your wheel model (carbon or alloy)
  - 3: Seat clamp (SKU: 80423, 80422)
- IMPORTANT: the E-119 Tri+'s seat clamp (1.7) is not the same as the Nitrogen



# ARGON 18



\*for more info please consult notice on Seatpost clamp dated 2016-06-09



80025, 80400



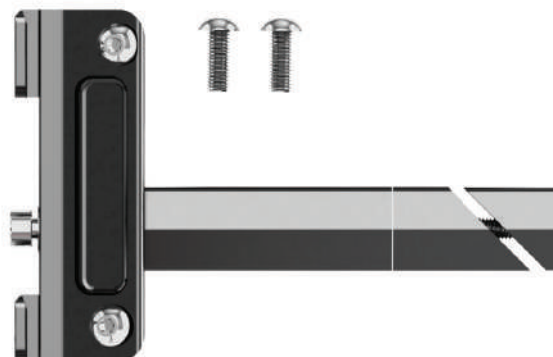
SPE119T+.284A



80428



80402



80401



80429



80429

80009

Images are for reference only. Proportions are not accurate.  
Argon 18 reserves the right to modify/change parts of the frameset at any moment without prior notice.





RUNNING CHANGE



1. Apply a drop of blue Threadlocker (n. 242) on the bolt's thread
2. Apply grease on the seat post clamp and on the screws as shown
3. Assemble the seat post clamp with the small screw, allowing the parts to move freely
4. Place the seat post collar inside the frame, holding it to prevent it falling inside the frame
5. Insert the seatpost, on which some carbon fiber assembly paste has been applied
6. Position the seatpost to the desired height
7. Tighten the set screw at max. 5.5Nm

**IMPORTANT :** The E-119 Tri+'s seat clamp is not the same as the Nitrogen



1. Unscrew main bolt (A) as far as possible without fully removing from the lock nut.

2. Install the saddle rails into the seatpost clamp (B).

3. Slide saddle clamp (B) onto rocker (C).

4. Tighten the bolt up at 12Nm.

See p.43 for saddle adjustment.

**IMPORTANT:**

*The E-119 Tri+'s saddle rail clamp is made for aluminum and round-shaped saddle rails ( For part numbers contact Ritchey).*

*For other types of saddle rails, please refer to the Tips and Troubleshooting section of this Assembly Guide (p.50).*



The Di2 battery is hidden in the seatpost; use the Di2 battery holder (3.2) to fix the battery correctly. Apply a slight amount of grease on both parts.





BEFORE ASSEMBLING YOUR NEW E-119 TRI+, MAKE SURE THAT YOU HAVE ALL THE FOLLOWING:

1. Brakes and gears cables and housing set
- 2: Frameset parts checklist (see p.51)
- 3: Inspect the frame for cosmetic aspect (scratches, bumps, cracks, paint defect, etc.)
- 4: For reference, check serial number and write it on p.1
- 5: All the necessary bolts (refer to Frameset Parts, p.4)
- 6: For optimal shifting performance, use a dropout alignment gauge to make sure that the drive-side dropout is straight

**IMPORTANT:**

The following parts are assembled on the frame. When assembling the bike, you will need to adjust these parts according to their torque specifications.

Parts installed on the frame	Description	Screw type	Torque Nm	Detail
Front derailleur hanger	Screw (2)	5mm	4Nm	Loctite
Rear derailleur hanger	Screw (2)	3mm	4Nm	Loctite
Bottle cage	Screw (5)	4mm	3Nm	Grease
Bottom bracket cover	Screw (2)	4mm	2.5Nm	Grease
Brake arms pivot (front / rear)	Screw (2)	6mm	7Nm	Loctite
Front brake cap	Screw (2)	4mm	2.5Nm	Grease
Rear brake cap	Screw (2)	4mm	5Nm	Grease



1. Ensure that the dropout is aligned.

2. Use Derailleur Hanger Alignment Gauge like ParkTool Item # DAG-2.

For any assistance, visit ParkTool's website:  
[parktool.com/product/derailleur-hanger-alignment-gauge-dag-2](http://parktool.com/product/derailleur-hanger-alignment-gauge-dag-2)



The front derailleur hanger can be adjusted according to the front derailleur angle in order to get an equal curve between the derailleur and the big chainring. Once at the right angle, use blue 242 Loctite and screw in at 4Nm.



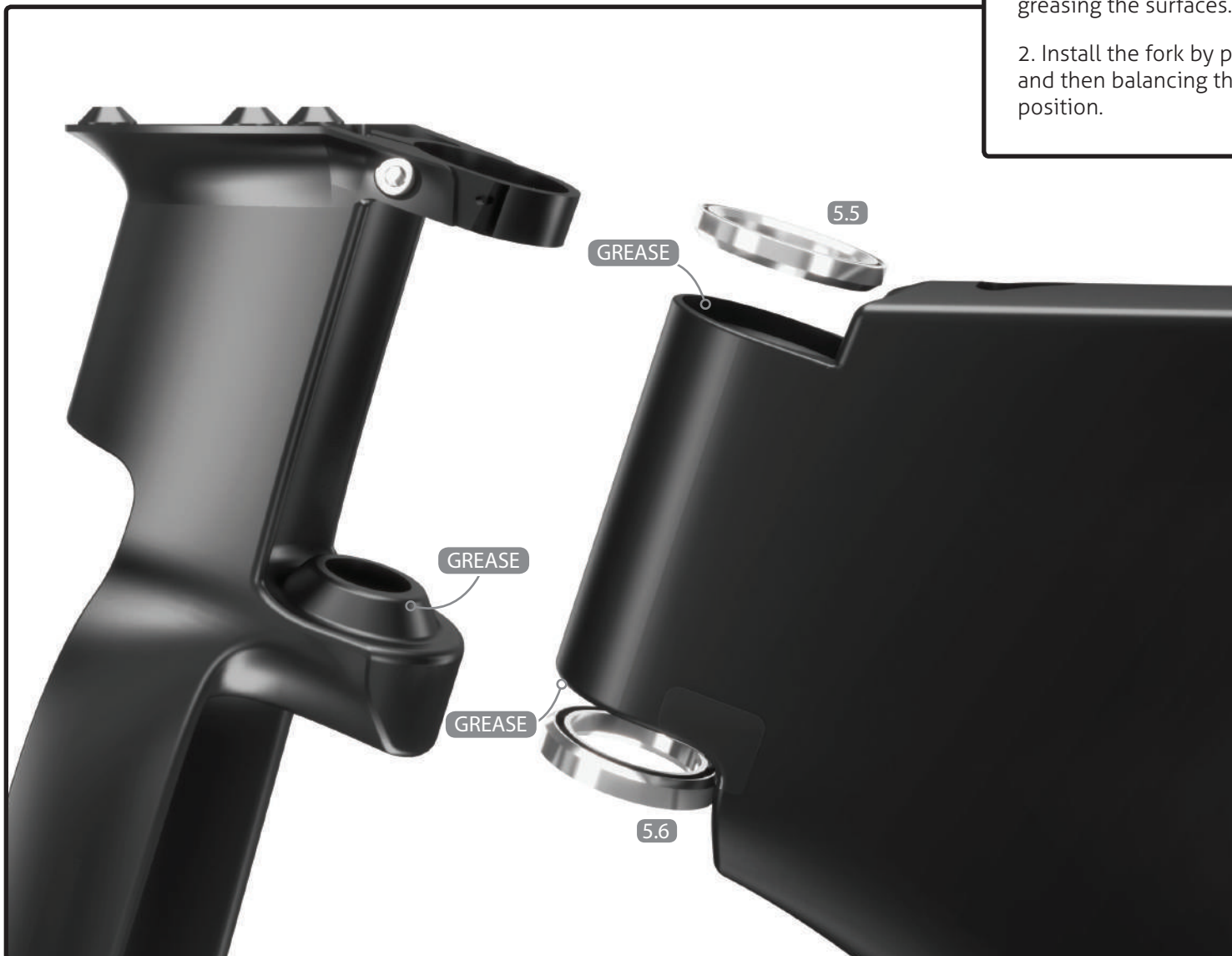
LOCTITE

1.5



1. Install bearings MR136 1 1/4" (5.5) and MR122 1 1/8" (5.6) inside the frame after greasing the surfaces.

2. Install the fork by placing the lower part first, and then balancing the upper part in its final position.





Compression column can also be screwed from the bottom using a hex 10mm key.

GREASE

Hex 10mm

2.8

GREASE

GREASE

6Nm

3. Slightly unscrew the steering column screw located on the fork.

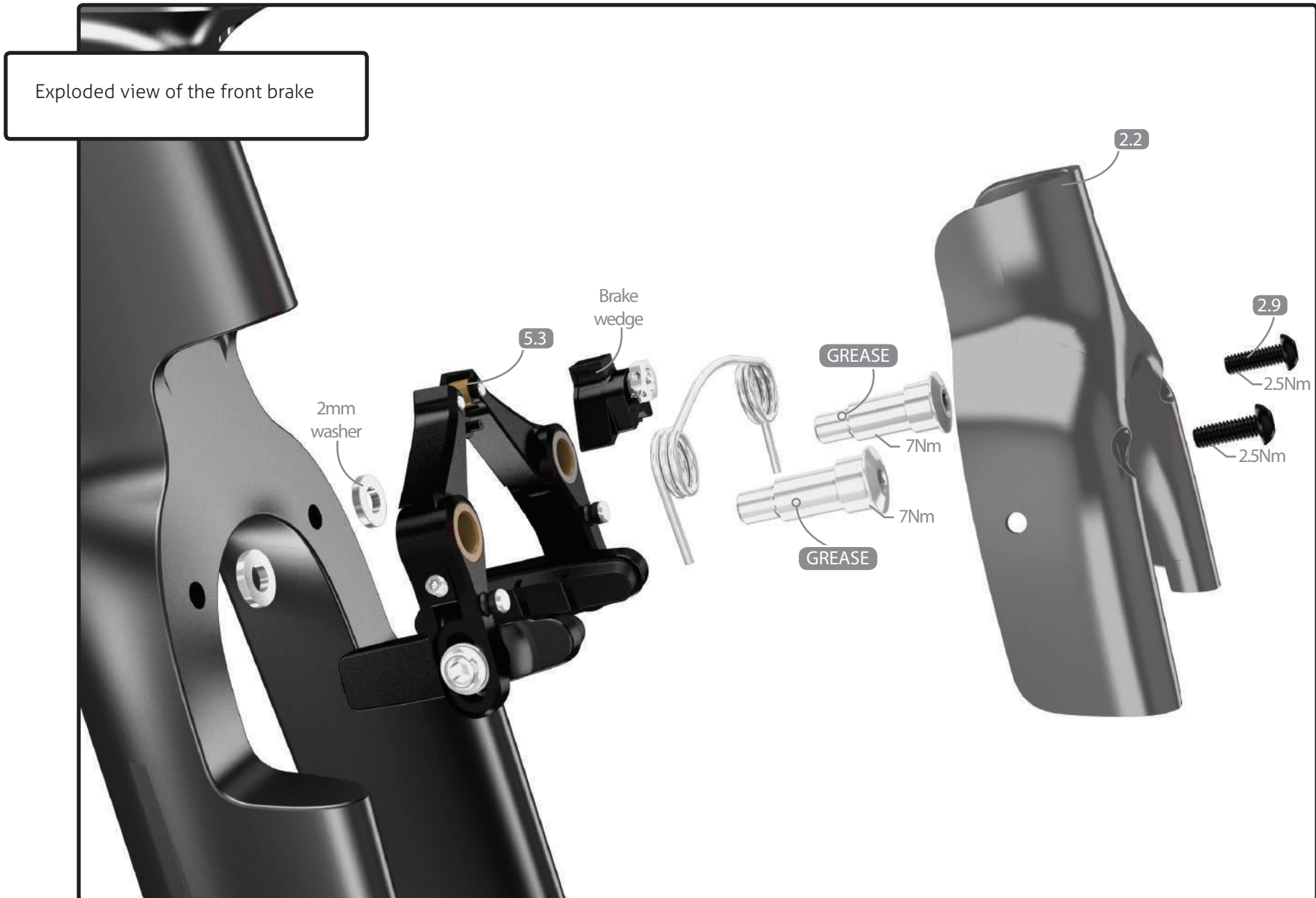
4. Screw in the compression column (2.8 - specific to the size of your frame) inside the head tube. The threads must be lightly greased until the compression column can be inserted smoothly and tightly. Use the 3d headset tool provided (5.8).

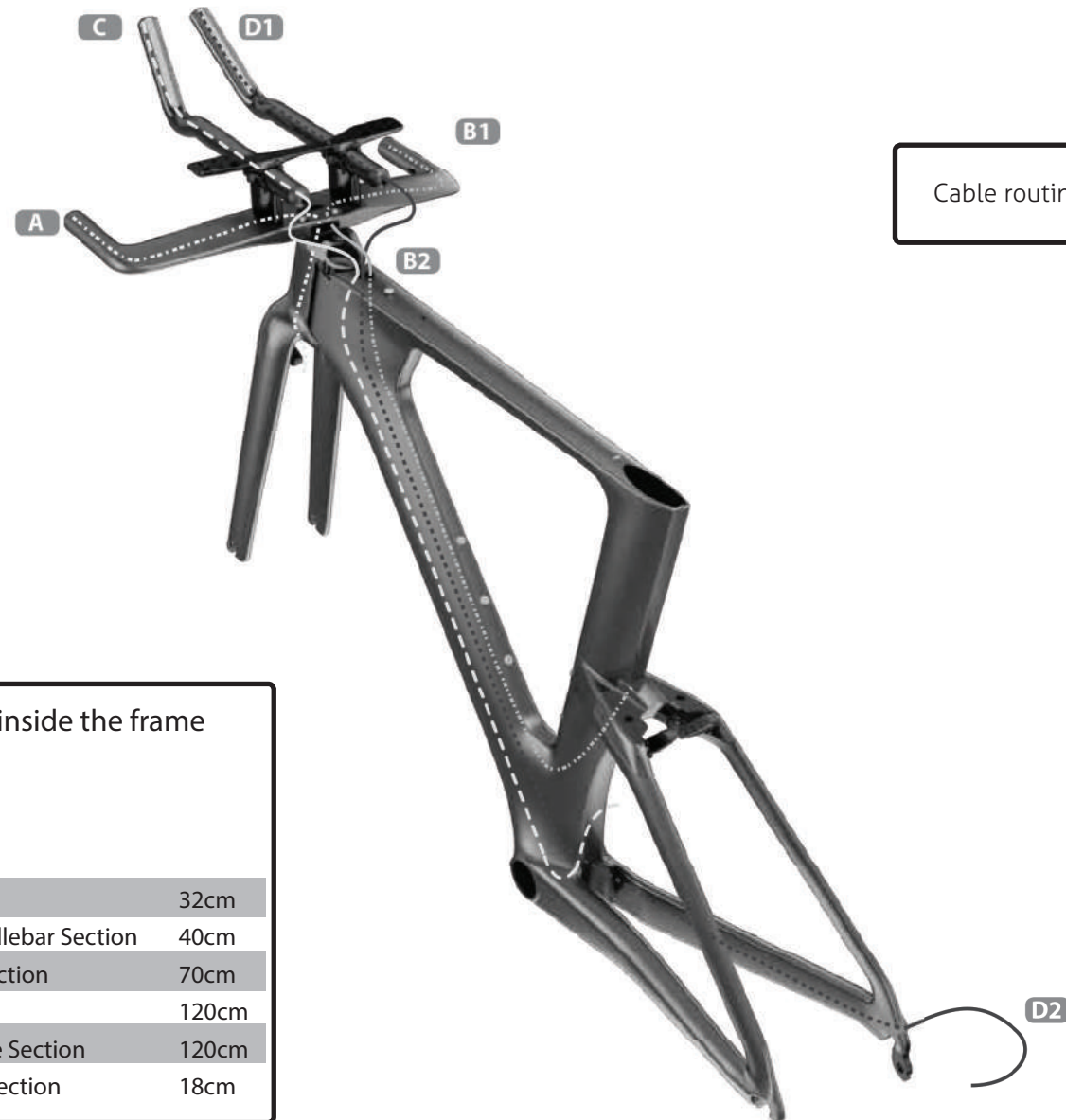


5. Make sure the fork doesn't have any side play and that the assembly turns smoothly.

6. Screw in the steering column screw at 6Nm.







Cable routing overview

Suggested lengths of the cable housing inside the frame  
(medium frame is used as a reference)

**Cable housing/length**

<b>A</b>	FRONT brakes (CGX 5mm)	32cm
<b>B1</b>	REAR brakes (grey E-Z Bend) Handlebar Section	40cm
<b>B2</b>	REAR brakes (KEB 5mm) Frame Section	70cm
<b>C</b>	FRONT derailleur (LEX 4mm)	120cm
<b>D1</b>	REAR derailleur (LEX 4mm) Frame Section	120cm
<b>D2</b>	REAR derailleur (LEX 4mm) End Section	18cm



1. Install brake arms on the fork over the 2mm washer. Make sure brake arms can rotate loosely once pivot bolts are fully tightened (7Nm).

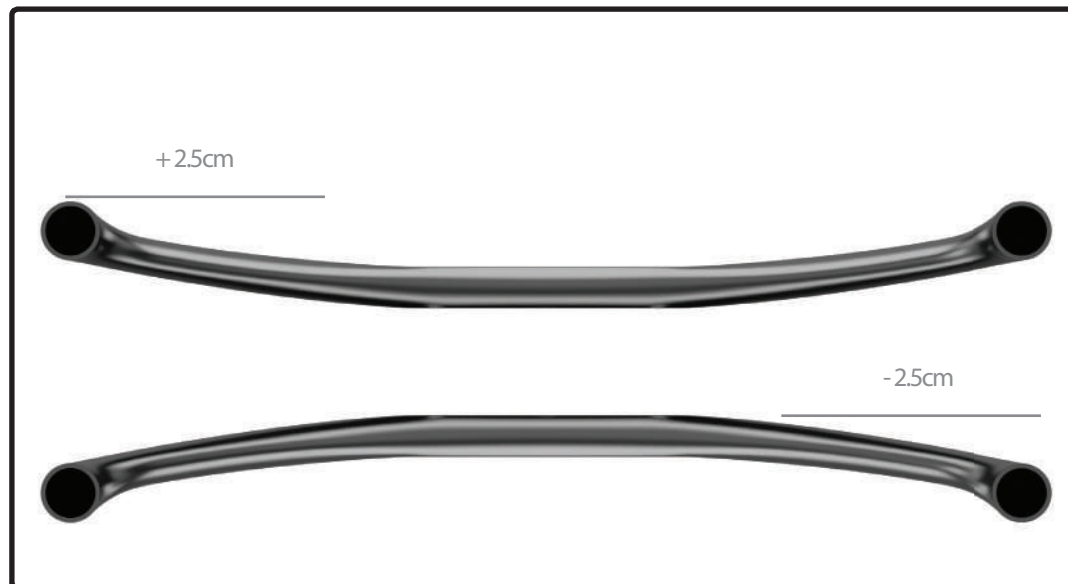
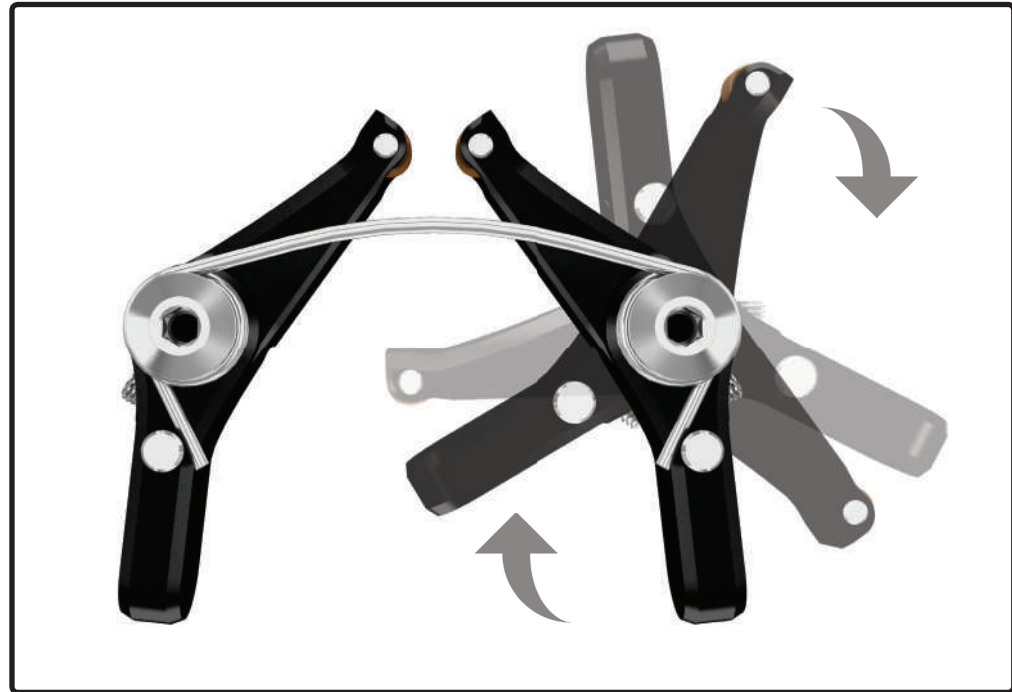
*Install brake arms without brake pads. Install brake arm with spring stopper facing inward. Once brake arms are fixed, rotate them in order to have spring stopper pin facing outward.*

2. Choose the desired position of the handlebar: high (+2.5cm) or low (-2.5cm).

*For easier assembly, install front brake housing inside handlebar before fixing handlebar on the stem.*

3. Measure approx. 32cm length of CGX housing.

4. Clean housing ends to avoid cable friction and thread through handlebar.





5. Determine if there is a need for a metal cap at the lever (e.g.: Shimano no, TRP yes).

6. Install the brake lever according to manufacturer's recommendations.

7. Pass the brake cable inside the lever and route it so it comes out the middle section underneath of the bar.

8. Install a short cap (A) to the housing at the fork section.  
*The short 12mm cap is not included with the bike, do not use long cap here (>12mm) as it will induce unwanted friction.*

9. With the handlebar still unattached to the stem, pass the cable inside the stem cable stopper and through the fork. Make sure short cap is well seated into the stem's cable stop.







10. While pulling firmly on the cable, install the handlebar on the fork. Apply a dab of grease on all bolts (4.13) and tighten to 6Nm in an alternate way.

11. While still pulling on the cable, test the brake lever function to make sure that the housing is well seated and that there is no cable friction.







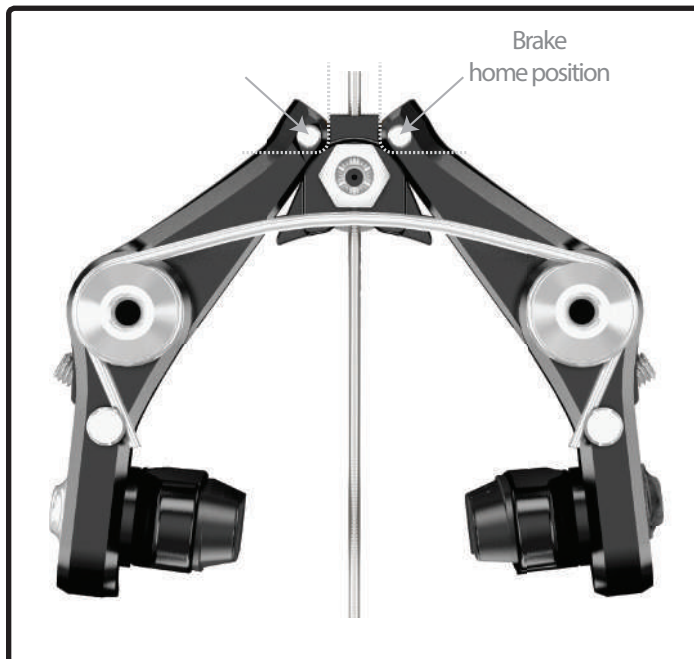
12. Thread cable through the wedge with the nut facing the front of the bike.

13. Place the brake and rollers onto wedge "home" position.

14. To secure cable, pre-tighten cable clamp bolt with 8mm flat wrench. Avoid moving the wedge on the cable and remove the wedge from the brake arms.

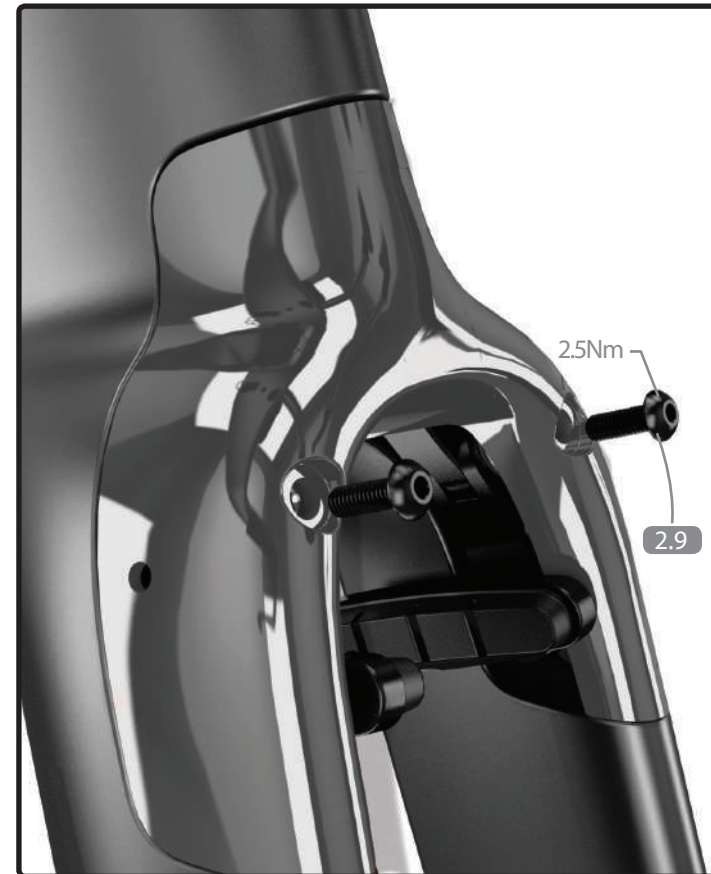
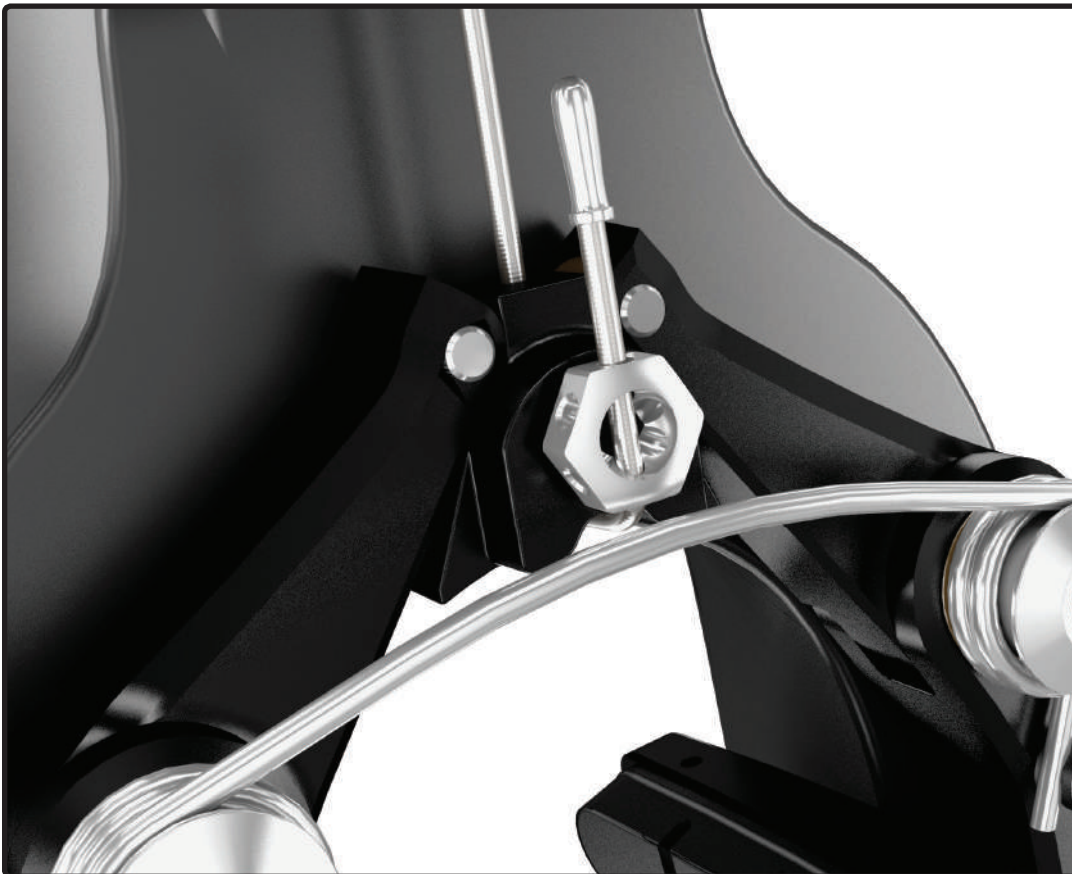
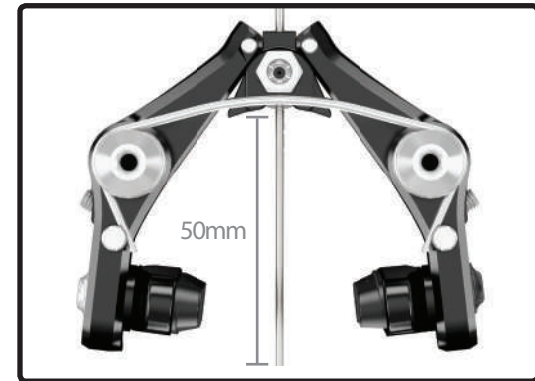
15. Using a 13mm flat wrench to hold the wedge in place, complete tightening on cable clamp bolt to 6Nm.

16. Make sure cable clamp bolt head is positioned so that 1 through hole is vertically aligned.





17. Cut cable end to 50mm from the bottom of wedge taking care not to fray the cable's end.
18. Thread cable end through cable clamp bolt and pull tight with pliers. Add cable crimp
19. Replace wedge between brake arms and make sure that rollers are in "home" position
20. Place the front brake cover.
21. Secure the front brake cover with 3mm bolts up to 2.5Nm.



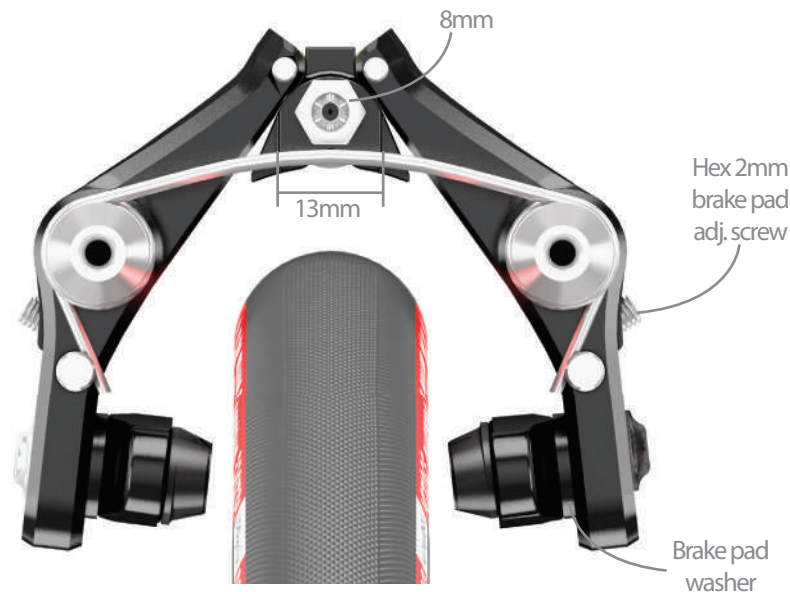


### Recommended Rim and Tire Width and Corresponding Brake Adjustment Settings

Rim Width	Brake Pad Washer	Max. Tire Size	Max Pad Opening	Pad-to-rim Clearance	Pad-to-tire Clearance
19mm	2mm	23	25mm	3mm	1mm
19mm	2mm	25 max	27mm	4mm	1mm
24mm	2mm	<24	28mm	2mm	2mm
24mm	2mm	25 max	30mm	3mm	1mm
28mm	2mm	<25	32mm	2mm	2mm
28mm	2mm	25 max	32mm	2mm	2mm

#### Notes:

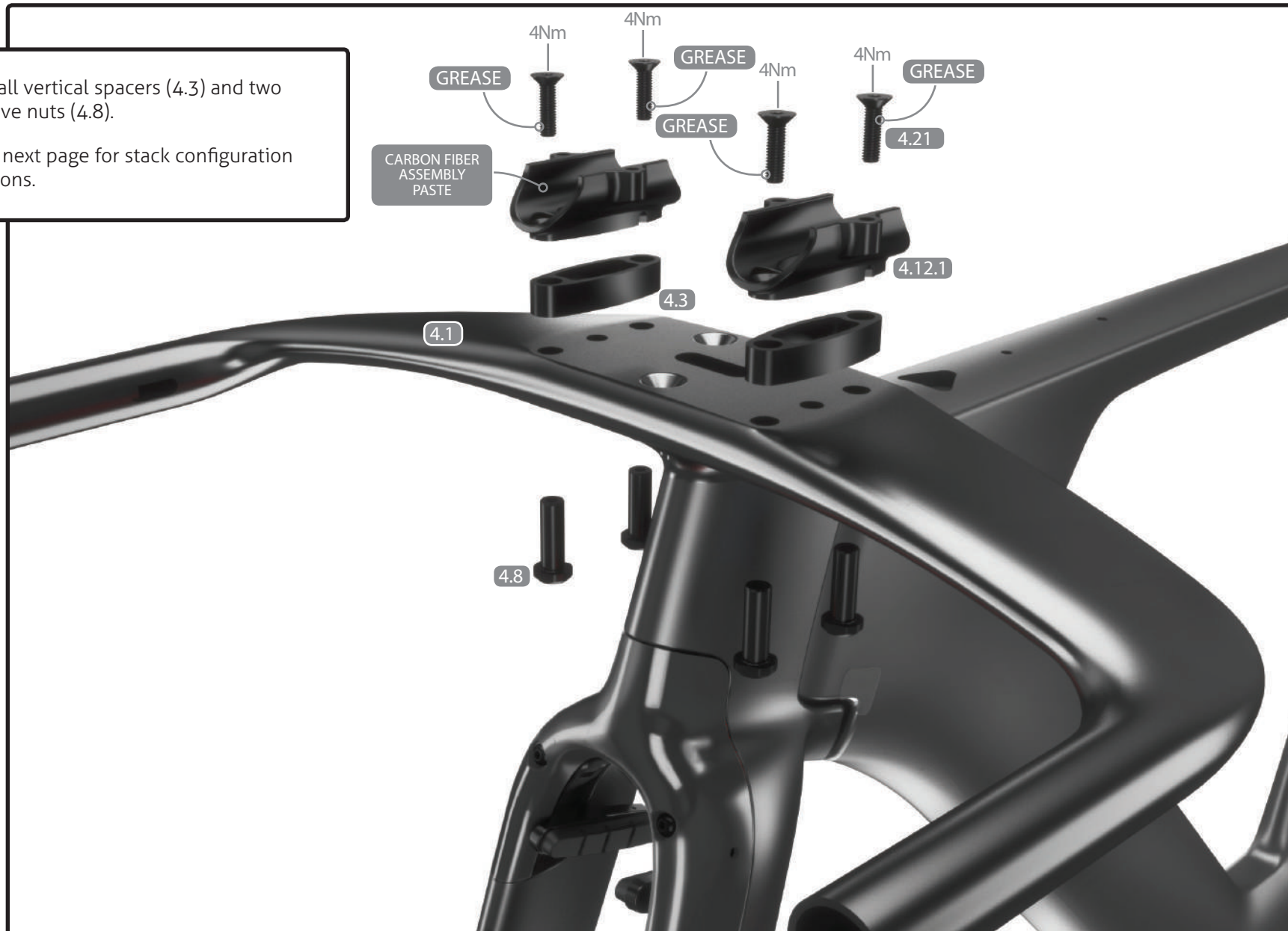
1. Never adjust pad clearance lower than 2mm (pad-to-rim distance on each sides)
2. Spare 1.5mm brake pad washer included for extra adjustment if needed (e.g.: worn pad)
3. Pad-to-rim clearance distance are measured when brake arm rollers are in "home" position of wedge





Install vertical spacers (4.3) and two sleeve nuts (4.8).

See next page for stack configuration options.







## Parts needed to adjust pads stack's height

Total stack height (mm)    0                    5                    10                    15                    20                    25                    30

### WITH SWIVEL

Required spacer	X	X	X	X	None	5	10
Sleeve nut					20mm	20mm	30mm
Screw (socket head)					15mm	25mm	15mm

### WITHOUT SWIVEL

Required spacer	None	5	10	5 + 10	20	5 + 20	10 + 20
Sleeve nut	20mm	20mm	30mm	30mm	30mm	30mm	50mm
Screw (flat head)	15mm	25mm	15mm	25mm	25mm	35mm	15mm

Total stack height (mm)    35                    40                    45                    50                    55                    60                    65

### WITH SWIVEL

Required spacer	5 + 10	20	5 + 20	10 + 20	5 + 10 + 20	40	5 + 40
Sleeve nut	30mm	30mm	30mm	50mm	50mm	50mm	50mm
Screw (socket head)	25mm	25mm	35mm	15mm	25mm	25mm	35mm

### WITHOUT SWIVEL

Required spacer	5 + 10 + 20	40	5 + 40	10 + 40	5 + 10 + 40	20 + 40	5 + 20 + 40
Sleeve nut	50mm	50mm	50mm	50mm	50mm	80mm	80mm
Screw (flat head)	25mm	25mm	35mm	35mm	45mm	15mm	25mm

Total stack height (mm)    70                    75                    80                    85                    90                    95                    100

### WITH SWIVEL

Required spacer	10 + 40	X	20 + 40	5 + 20 + 40	70	5 + 70	10 + 70
Sleeve nut	50mm		80mm	80mm	80mm	80mm	80mm
Screw (socket head)	35mm		15mm	25mm	25mm	35mm	35mm

### WITHOUT SWIVEL

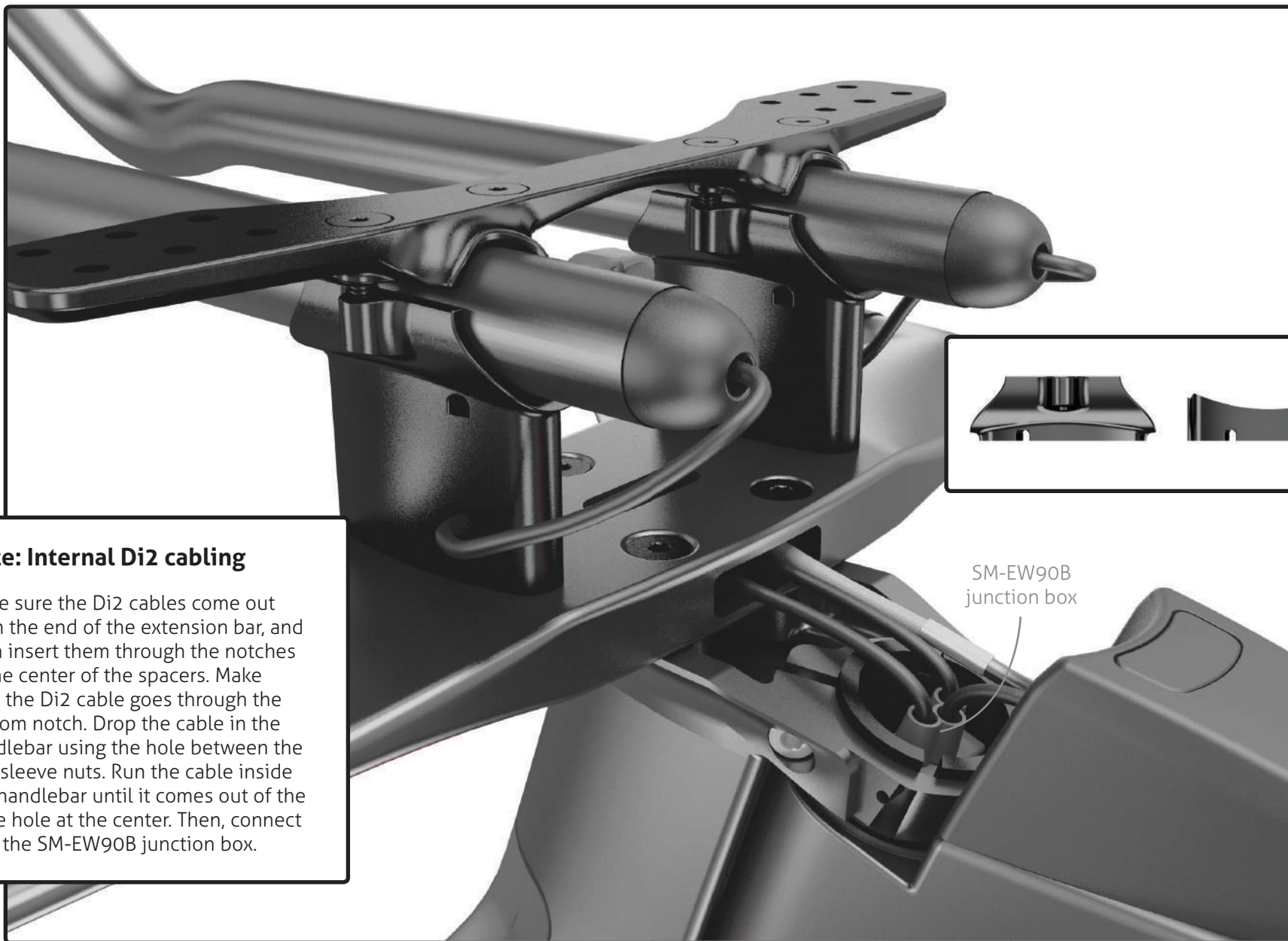
Required spacer	70	5 + 70	10 + 70	5 + 10 + 70	20 + 70	5 + 20 + 70	10 + 20 + 70
Sleeve nut	80mm	80mm	80mm	80mm	80mm	80mm	80mm
Screw (flat head)	25mm	35mm	35mm	45mm	45mm	55mm	55mm

#### Notes:

- Always place the smaller spacers underneath
- Make sure you have at least 10 full threads on each screw
- Every spacer's screws must be tighten at 4Nm
- The M6 screw (5mm allen key) that enables the swivel's adjustment must be tightened at 8Nm
- The screws linking the extensions connectors to the swivel are 12mm long (M5 flat head)





**Note: Internal Di2 cabling**

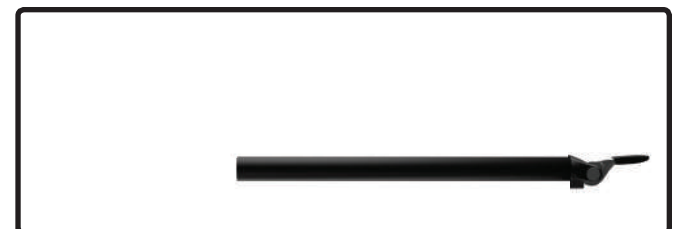
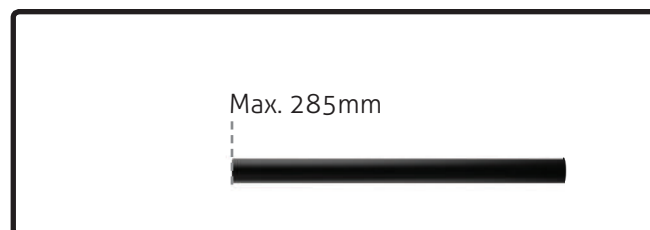
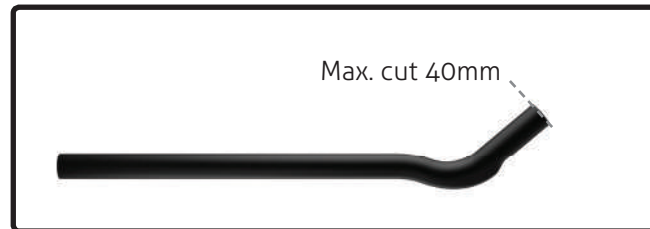
Make sure the Di2 cables come out from the end of the extension bar, and then insert them through the notches at the center of the spacers. Make sure the Di2 cable goes through the bottom notch. Drop the cable in the handlebar using the hole between the two sleeve nuts. Run the cable inside the handlebar until it comes out of the large hole at the center. Then, connect it to the SM-EW90B junction box.

SM-EW90B  
junction box



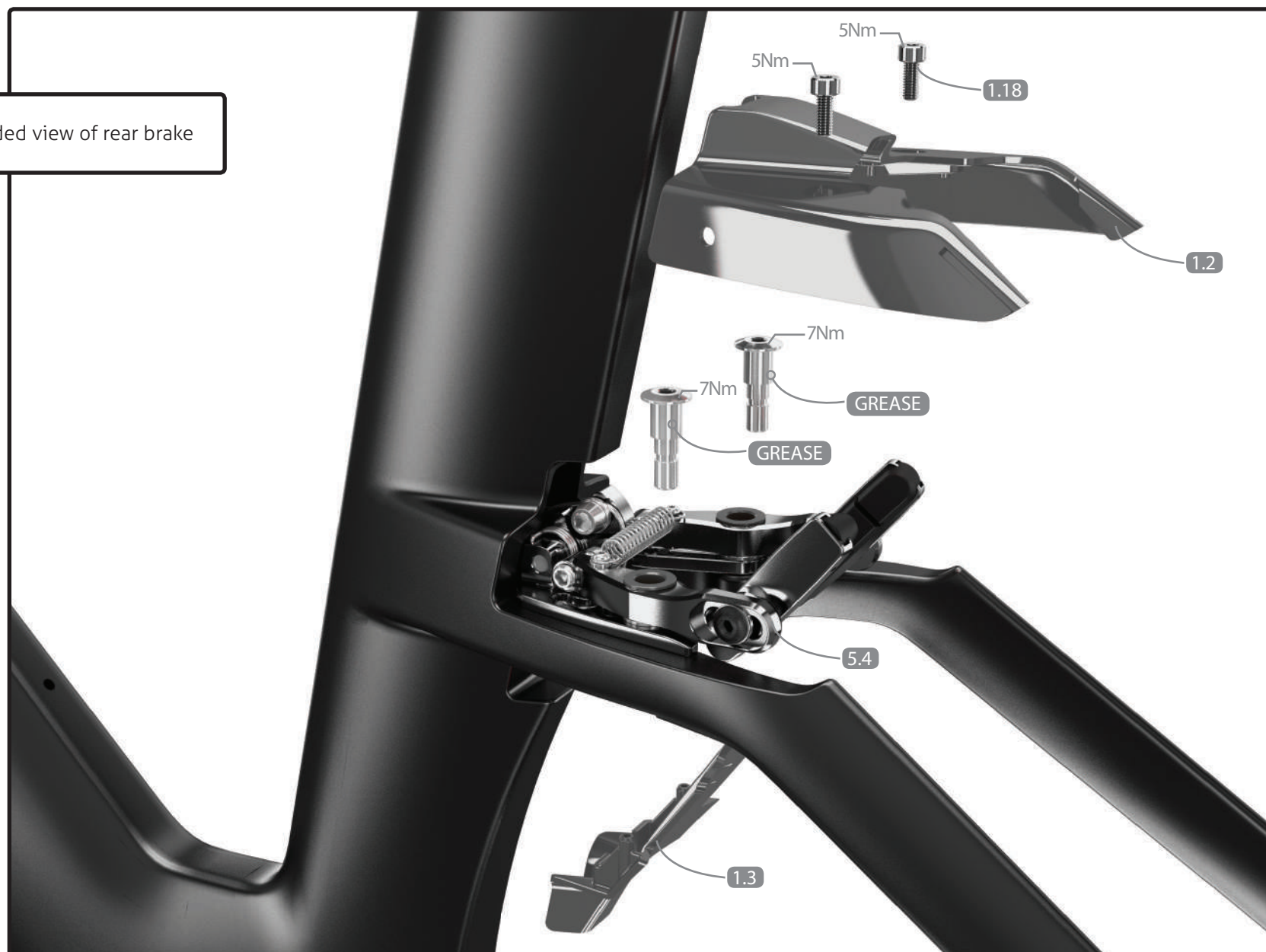
Cut the extension bars (4.12.3) at the desired length to obtain a straight post\*. The bars must not exceed 285mm in length. **The cut must be made on the elbow side.** The other end of the bar is used exclusively to install the shifter. Apply some carbon fiber assembly gel in the clamping area.

**If using a ski bend section, no more than 40mm can be cut out.**





Exploded view of rear brake







*Note: For the E-119 Tri+, the bottom bracket guide rear brake section is not needed, the housing will by-pass and attach directly to the rear brake assembly.*

### Handlebar Section

1. Determine if there is a need for a metal cap at the lever (e.g.: Shimano no, TRP yes).
2. Measure approx. 400mm length of the gray E-Z Bend housing so the handlebar rotates without restrictions.
3. Install the brake lever according to manufacturer's recommendations.
4. Pass the brake cable inside the lever and route it so it comes out the middle section parallel to the handlebar.
5. Install the housing with the cable inside the handlebar.







#### Frame Section

*Note: For easier assembly, install rear brake cable and housing before the brake assembly.*

6. Measure a length of 70cm (for a medium-sized frame) KEB housing, clean both ends to avoid cable friction.

7. Connect the E-Z Bend handlebar section to the frame KEB section of housing with cable jointer.

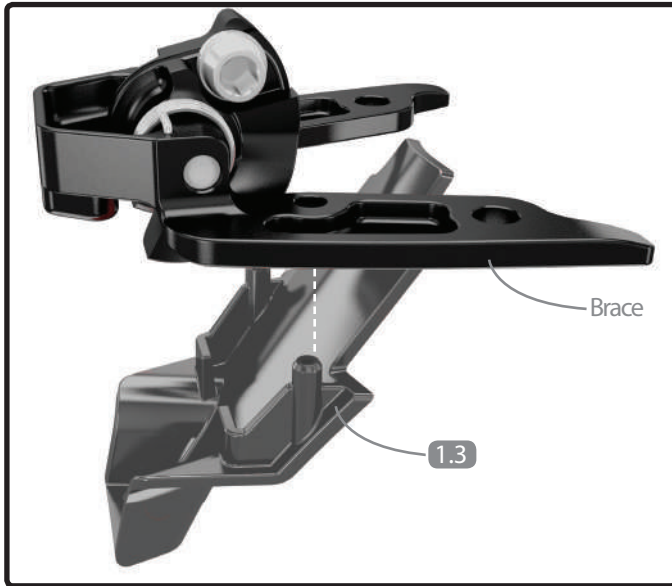
8. Insert the housing inside frame and so it by-passes the bottom bracket guide and up to the rear brake opening.

*Note: Make sure housing is not caught in front derailleur hanger insert.*

9. Insert a metal cap on the cable housing end

10. Thread the cable through rear brake without inserting housing into cable stopper.





11. For easier assembly, remove the bolt pivot's o'rings and remove the brake arms from brace.

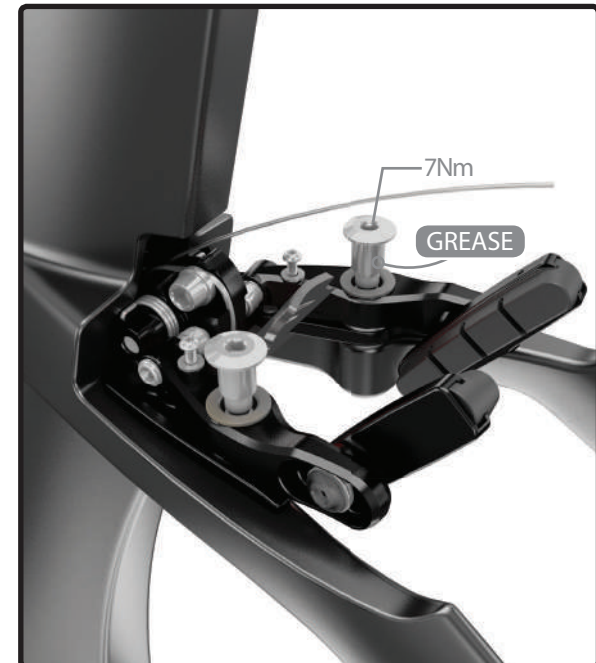
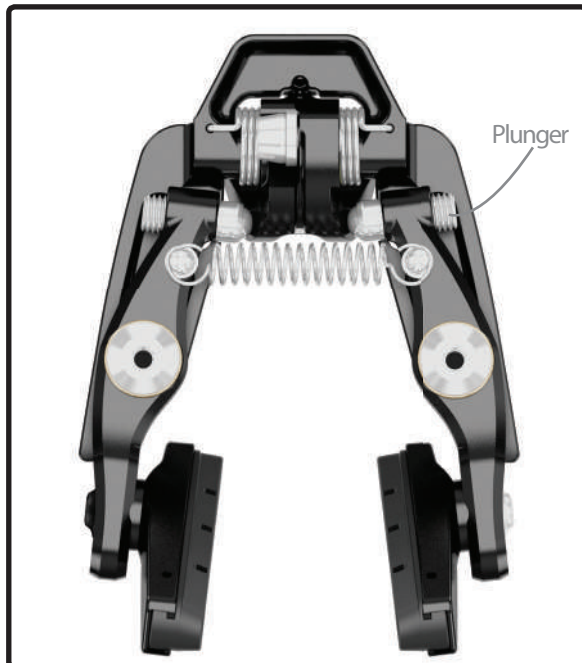
12 Install the brake assembly fender (1.3). Push pins into brake brace until fender touches bottom of brace.

13. Push housing inside frame while holding on to the cable and thread cable into brake brace cable stop hole.

14. Gently insert brakeset into frame opening (careful not to kink cable).

15. Install pivot bolts and brake arms. Fully retract plunger inside brake arms to help with assembly. Make sure 1mm washer is located underneath each brake arms.

16. Apply grease on pivot before tightening to 7Nm.



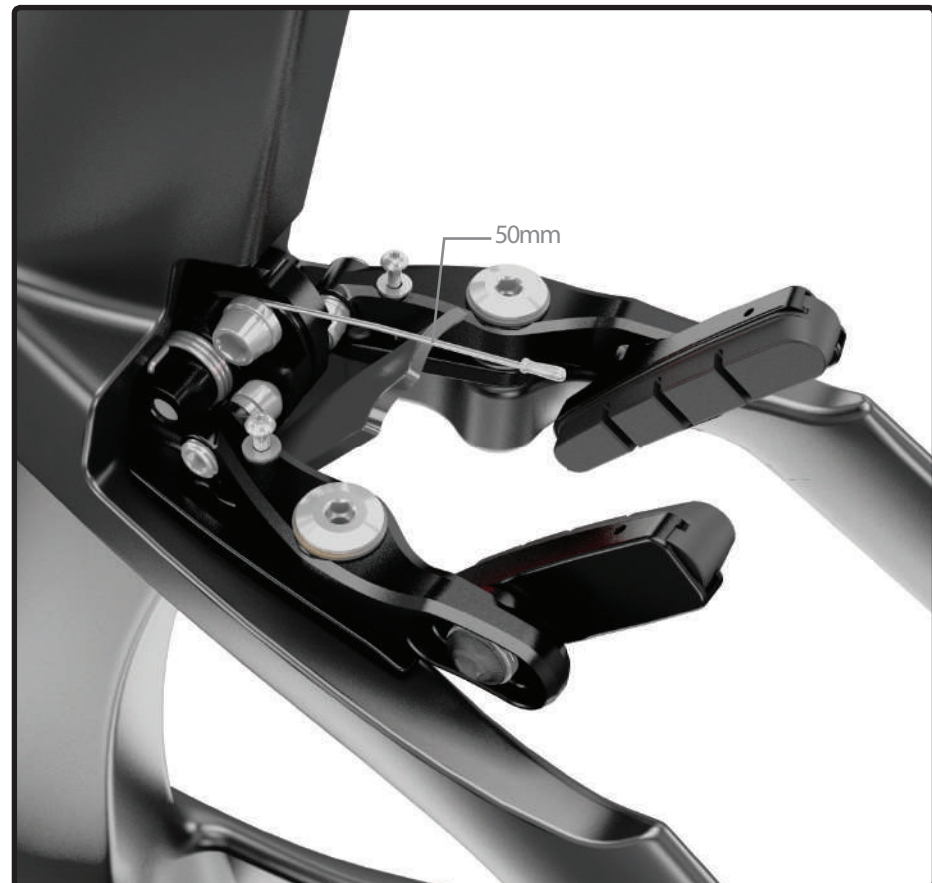
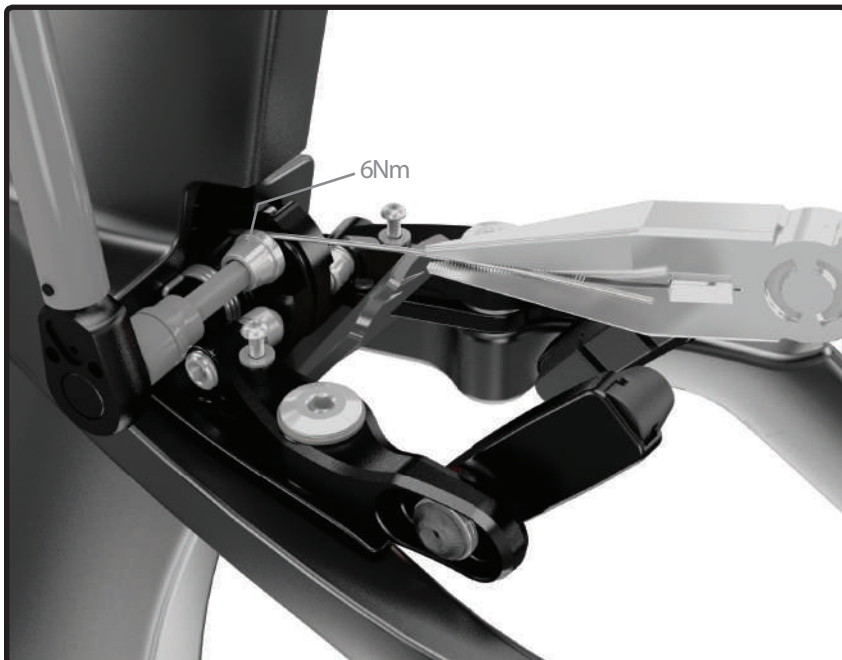


17. While pulling on the cable, test the brake lever function to make sure that the housing is well seated and that there is no cable friction.

18. Make sure brake arms can loosely rotate.

19. With pliers, tightly pull on cable end and secure cable clamp bolt to 6Nm.

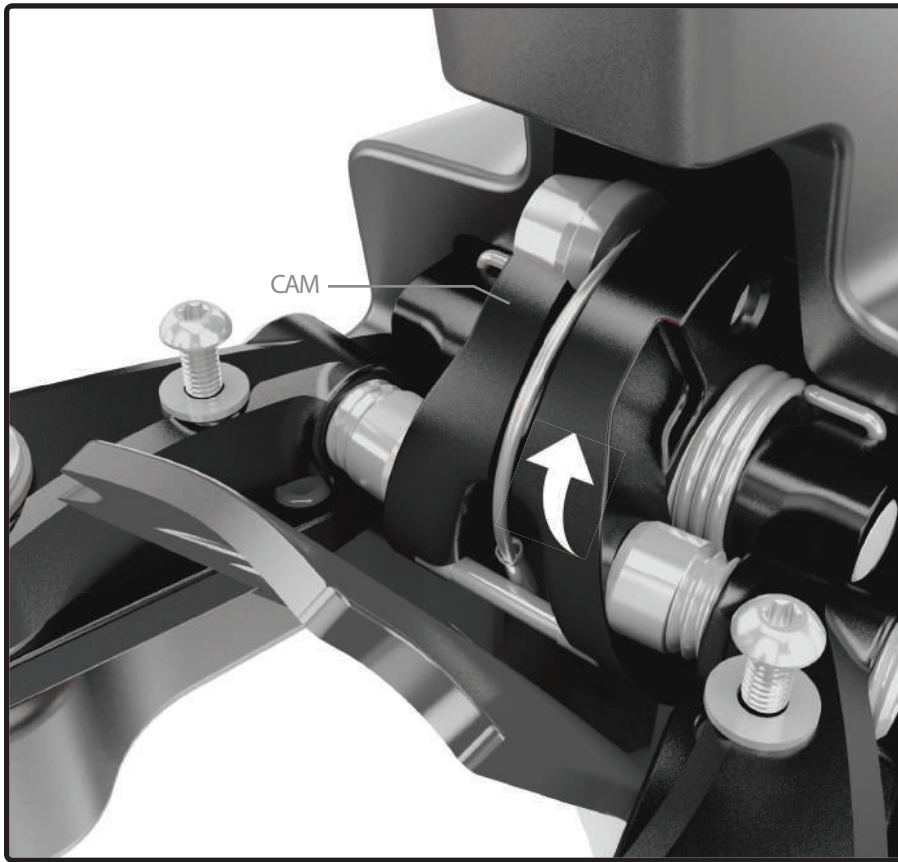
20. Cut cable end 50mm from cable bolt and add cable crimp.

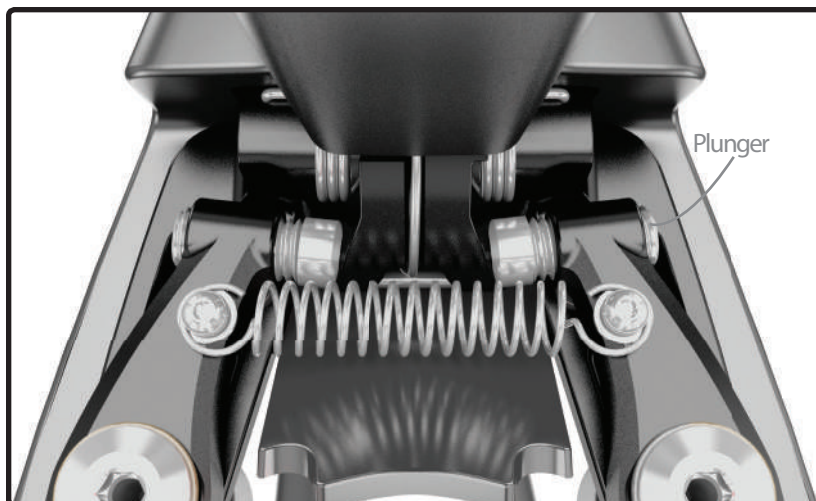






21. Push cable end under cam retention pin (depress brake lever to rotate cam upward to ease this operation).
22. Re-install tension spring between brake arms with long nose pliers.





23. Adjust ball plungers to needed brake pad opening (refer to table on next page).

24. Test brake, cam should easily rotate and come back to initial position.

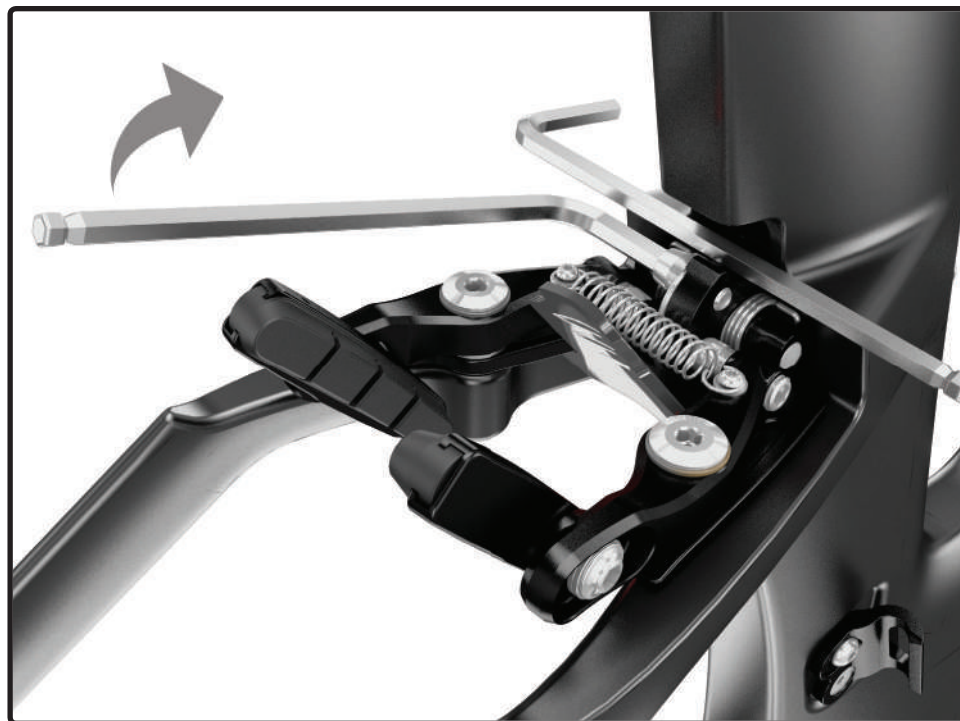
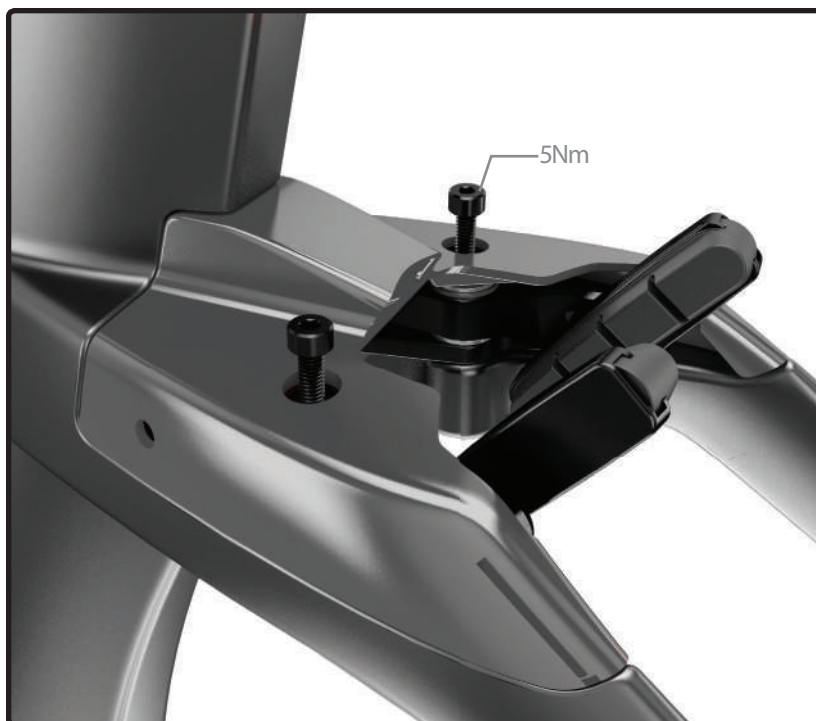
*Note:*

*To make sure that cable housing and ferules are well seated in cable stops, insert something hard between brake pads (e.g.: plier's handle) and apply force on brake lever. If cable tension is lost, unscrew cable clamp bolt and retighten.*

25. Install brake cap over assembly and tighten the 2 cap bolts to 5Nm.

*Note:*

*To release cable from brakeset (e.g.: retightening, changing cable, etc.) lock Cam rotation by placing hex key between cam and frame while unscrewing clamp bolt.*





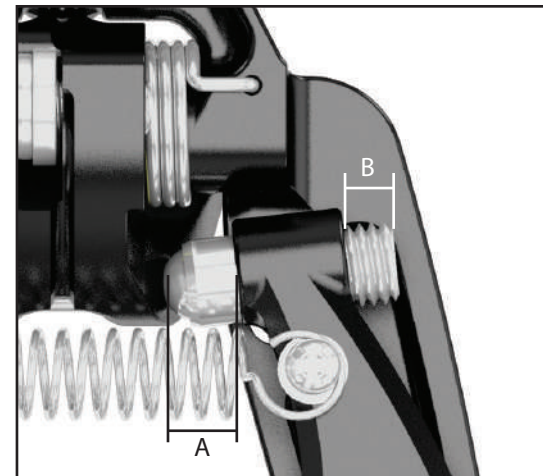
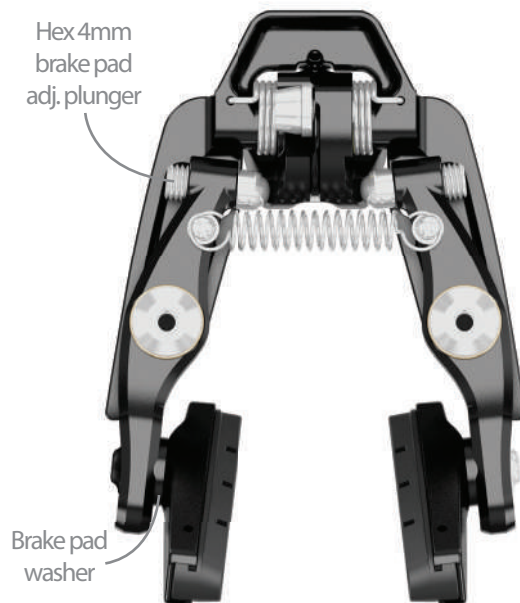


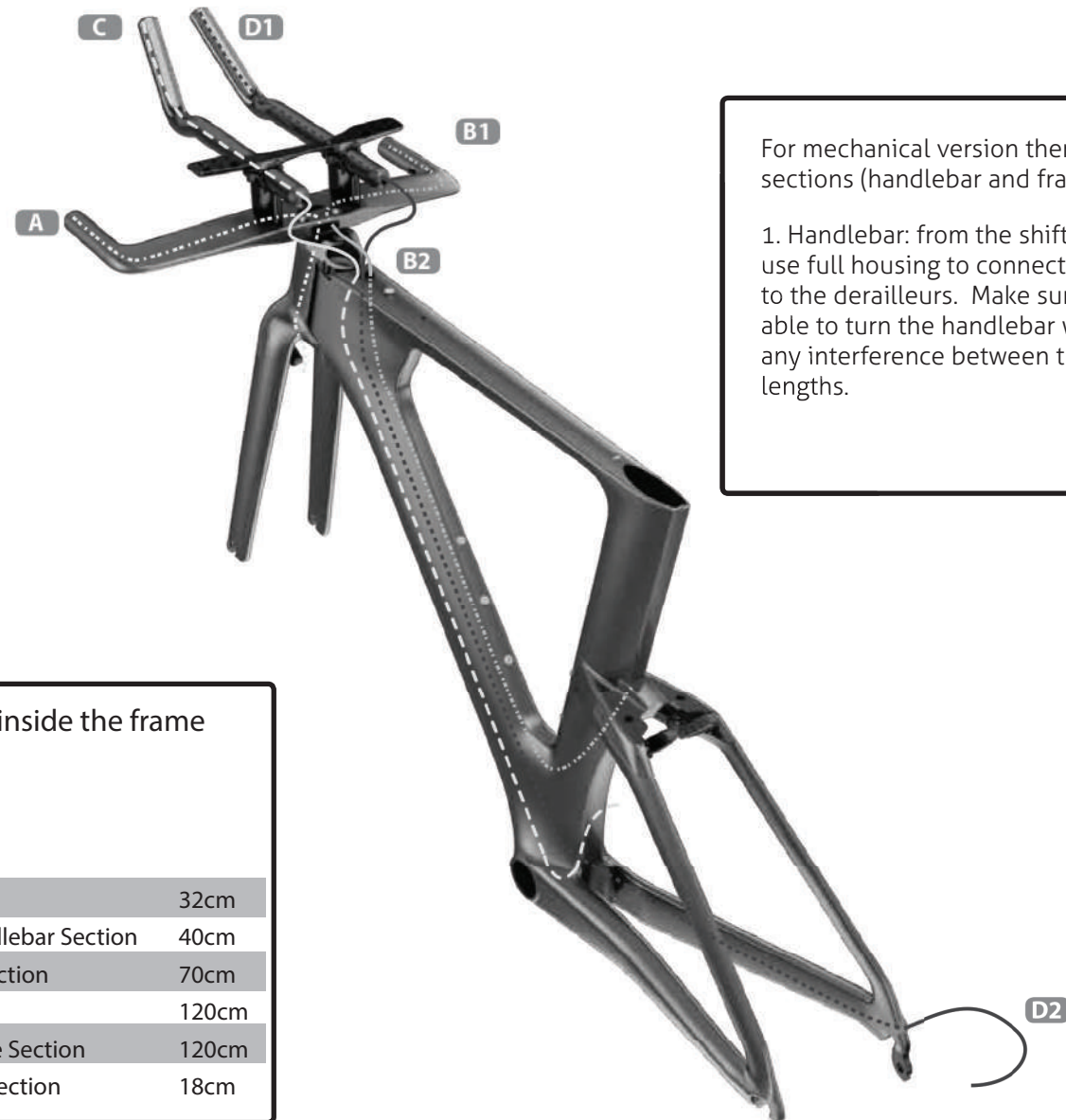
### Recommended Rim and Tire Width and Corresponding Brake Adjustment Settings

Rim Width (mm)	Brake Pad Washer	Max. Tire Size	Plunger Pos. "A" Distance	Plunger Pos. "B" Distance	Approx. resulting Pad-to-rim Clearance
21mm	1x 2mm	25	9.3mm	1.3mm	3mm
21mm	2x 2mm	25	7mm	3.6mm	4mm
24mm	1x 2mm	25	8.2mm	2.4mm	3mm
24mm	2x 2mm	25	7mm	3.6mm	2.5mm
28mm	1x 2mm	25	7mm	3.6mm	2.5mm
28mm	2x 2mm	N/A	N/A	N/A	N/A

#### Notes:

1. Max. plunger extension length ("A") is 10.5mm - or when back end is flush with brake arm head.
2. Resulting pad clearance is measured from center of brake pad.
3. These values consider width of supplied pad; if used with different pad or pad holders, values might differ.
4. Always set brake in order to get at least 2mm pad-to-rim clearance.





For mechanical version there are two sections (handlebar and frame)

1. Handlebar: from the shifters extensions, use full housing to connect the shifters to the derailleurs. Make sure that you are able to turn the handlebar without causing any interference between the two housing lengths.

Suggested lengths of the cable housing inside the frame  
(medium frame is used as a reference)

#### Cable housing/length

<b>A</b>	FRONT brakes (CGX 5mm)	32cm
<b>B1</b>	REAR brakes (grey E-Z Bend) Handlebar Section	40cm
<b>B2</b>	REAR brakes (KEB 5mm) Frame Section	70cm
<b>C</b>	FRONT derailleur (LEX 4mm)	120cm
<b>D1</b>	REAR derailleur (LEX 4mm) Frame Section	120cm
<b>D2</b>	REAR derailleur (LEX 4mm) End Section	18cm

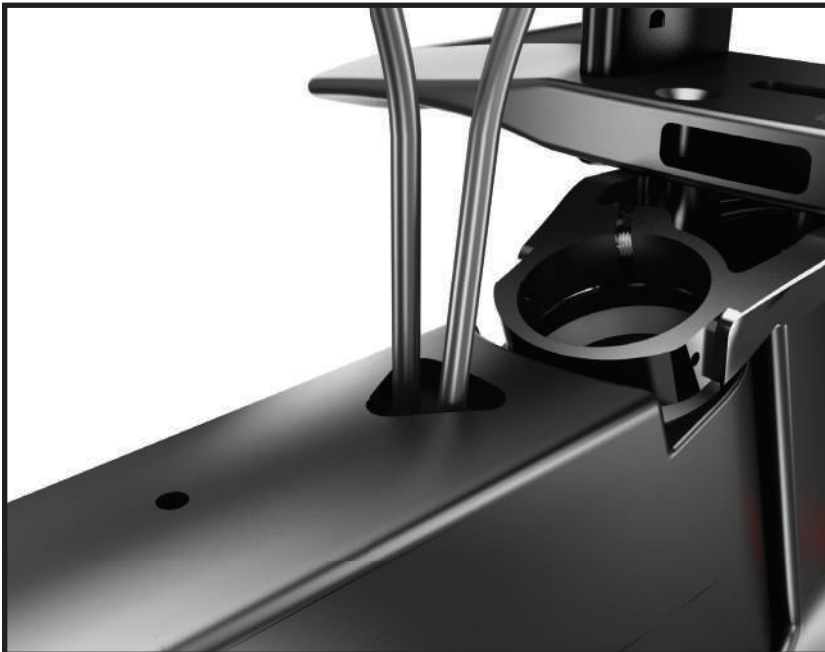


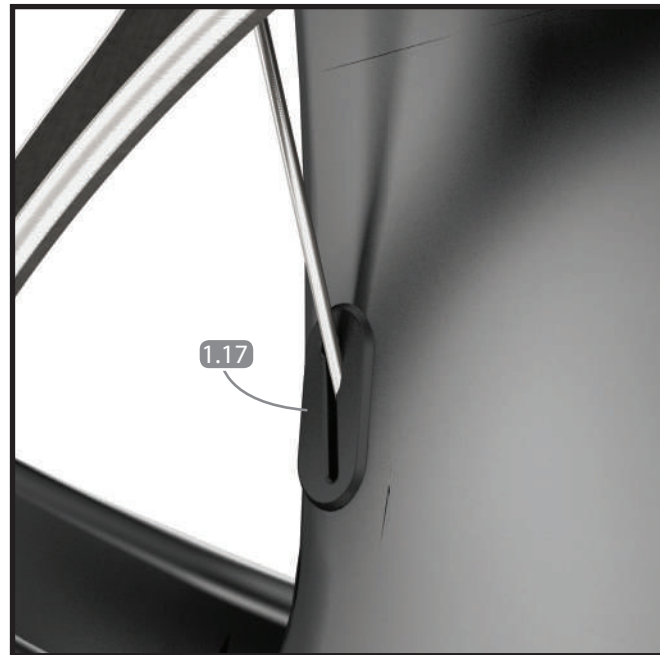
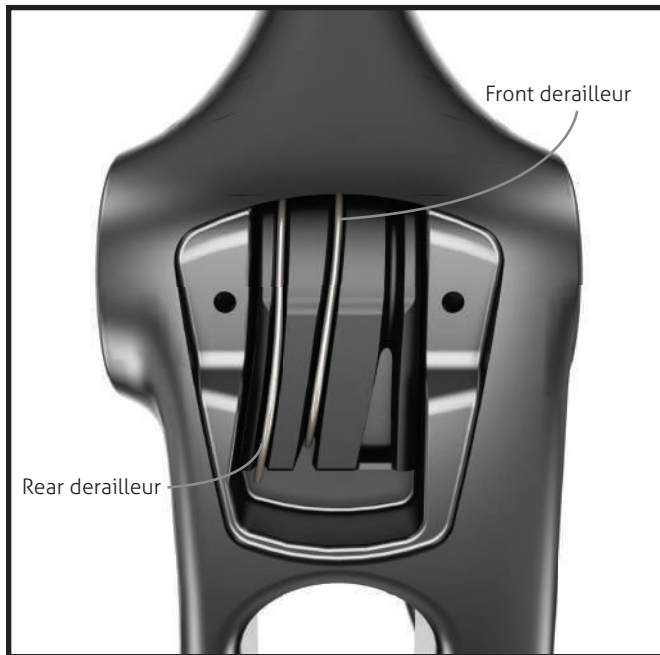
2. Install cable housing caps on cable housing ends and connect the front and rear housing to the bottom bracket (BB) guide corresponding inscriptions: - FD=front derailleur, RD=rear derailleur.

*NOTE: The rear brake (RB) is not used. The cable housing is internally routed to the rear brake.*

3. Thread cable housing through frame starting from triangular opening and all the way through the BB opening.

4. Insert BB guide back into the frame recess.





5. Front derailleur: route the cable up the guide, pass the front derailleur grommet and attach to the derailleur.

6. Rear derailleur: guide the cable to the rear exit at the drive-side chain stay.

7. Insert cable stop (1.11) into cable exit hole; install 18cm cable housing length and into rear derailleur.

8. Install bottom bracket cover (1.10); torque bolts to 2.5 Nm.







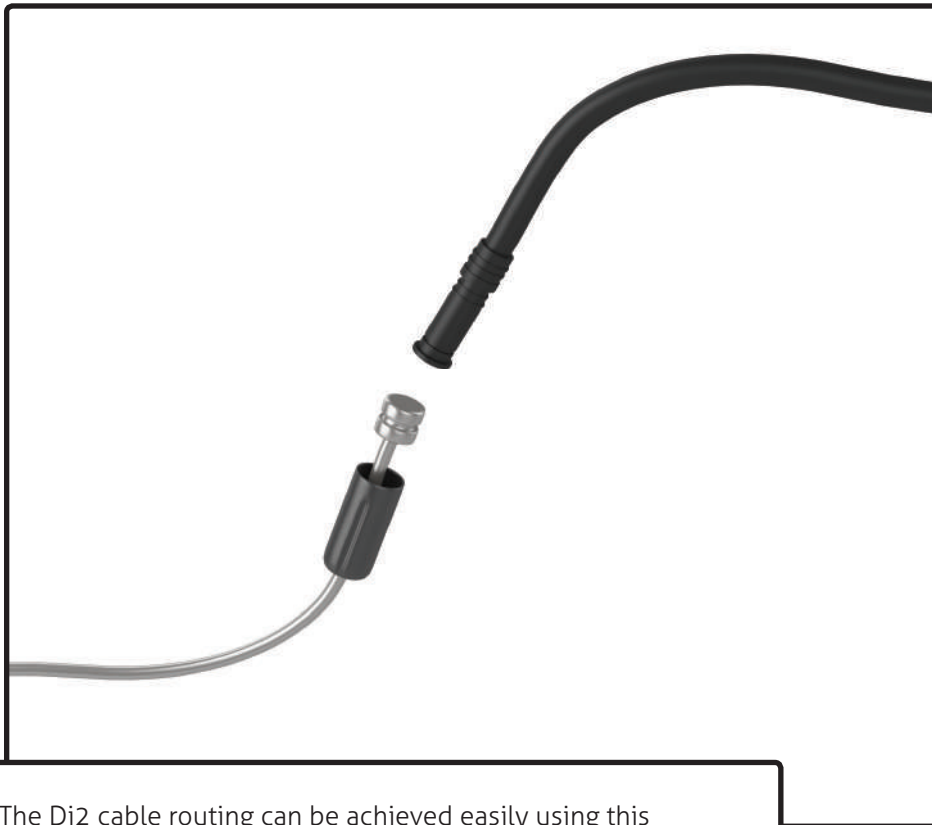
Once all cables are routed, place the stem cap (2.4) using the screws . Torque screw to 1Nm.



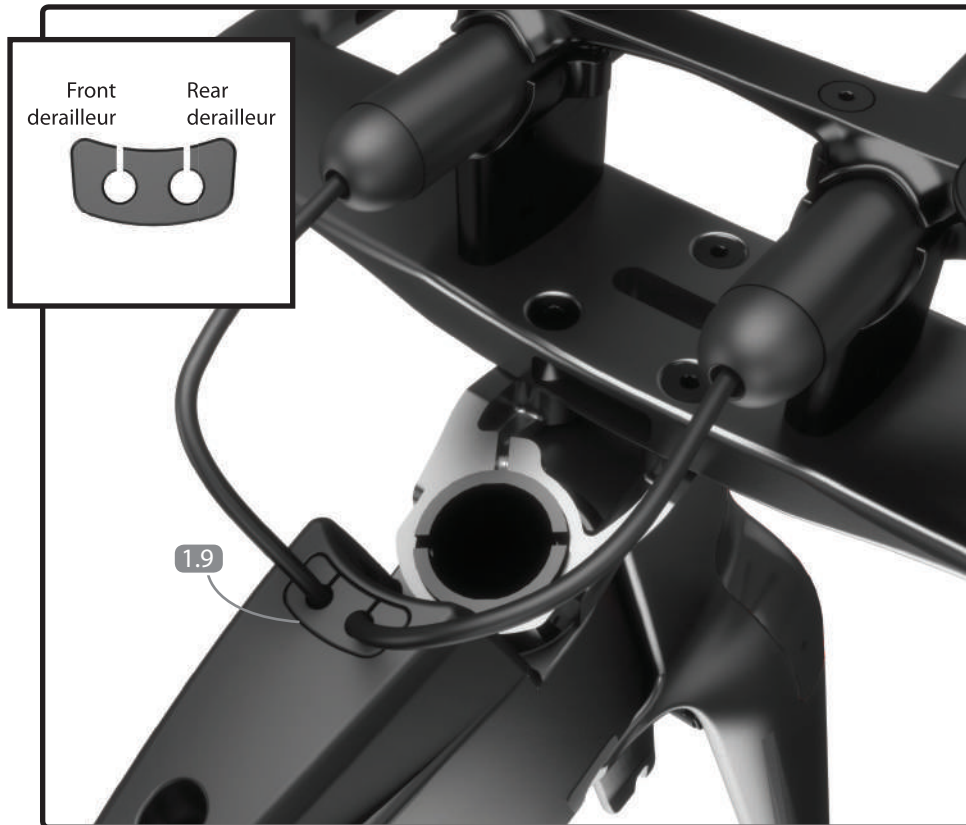
**IMPORTANT:**

For the Di2 cable section that runs through the drive side chainstay, use the preinstalled tube guide that is supplied with the frame.

Use the proper cable stopper or grommet to fix the rear derailleur cable correctly depending if you use mechanical drive-train (1.11) or electronic shifting (1.20).



The Di2 cable routing can be achieved easily using this simple trick: use a gear cable and a metal cable end to fix the Di2 cable. For more information on Shimano Di2 electronic system installation, go to: [si.shimano.com](http://si.shimano.com).



Use the proper grommet on the top tube to fix the cable correctly, depending if you use mechanical drive-train (1.9) or electronic shifting (1.8).



1. Install the adhesive Velcro on the armrests (4.12.4 and 4.12.5).
2. Screw the armrests into the extension bar connector bridge (4.12.2) at 5Nm in the desired position. Reverse the left and the right armrests to obtain a more forward or backward setup.
3. Finish the assembly by installing the armrest pads (5.1).



For horizontal adjustment:

1. Loosen 5mm bolts.
2. Unscrew main bolt.
3. Install saddle rails into the rocker in the middle position.
4. Find desired setback.
5. Tighten the 5mm bolt up at 6Nm.
6. Adjust seat horizontally.
7. Tighten the 6mm bolt up at 12Nm.

If you are unable to find the desired setback, push the saddle up to the distance recommended by the manufacturer.





### Tools needed

- Allen Key Set .....



- Torque Wrench + Hex Bit.....



**Note:** If you wish to purchase one or many of these components, you can do so by ordering them as spare parts.



(B)



**SKU#: 80400 (E-119 Tri+)**

- Tall Stem Cap\*

- Bolts

\*Only available with the E-119 Tri+

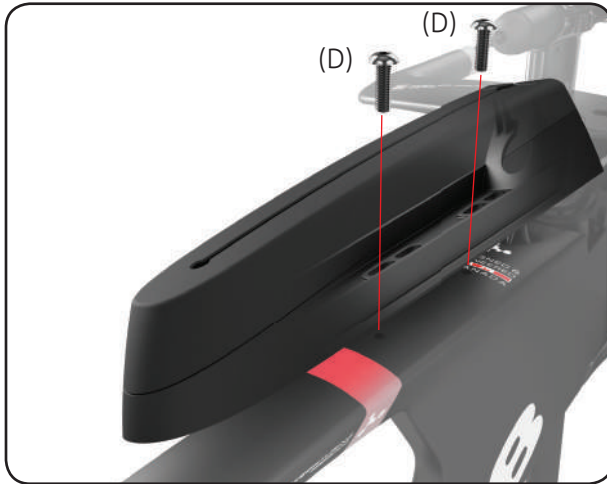


(A)



**SKU#: 80025 (E-117 Tri+ & E-119 Tri+)**

Assembled Top Tube Box



**1.** Attach Top Tube Box (TTB) to frame using fastening screws (D). Do not tighten.



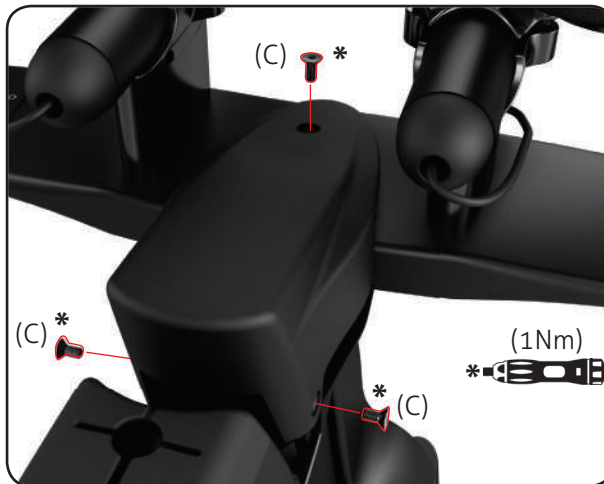
**2.** Ensure Di2 cables are routed the same way as brake cables. (See Assembly Guide, p.29)



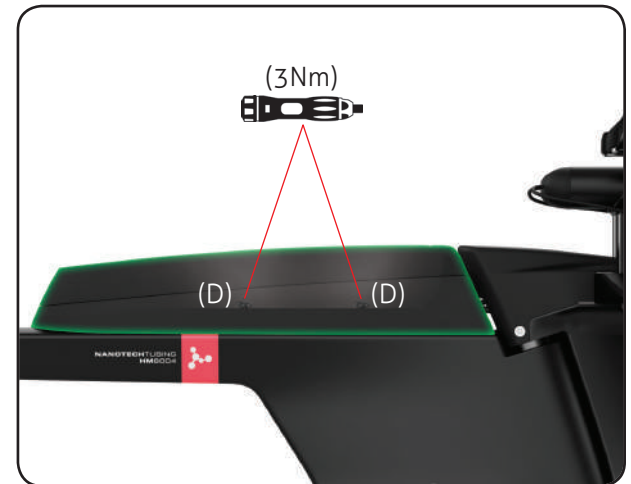
**3.** Ensure mechanical drivetrain cables are routed through the TTB's top and into the frame.



**4.** If cables are already installed, make a small incision (indicated above) to insert cables into the TTB and avoid rerouting bike's cables.



**5.** Once cables are routed, install stem cap (B) using the screws (C). Tighten screws to 1Nm.



**6.** Line up TTB with stem cap to desired fit and tighten fastening screws (D) to 3Nm.





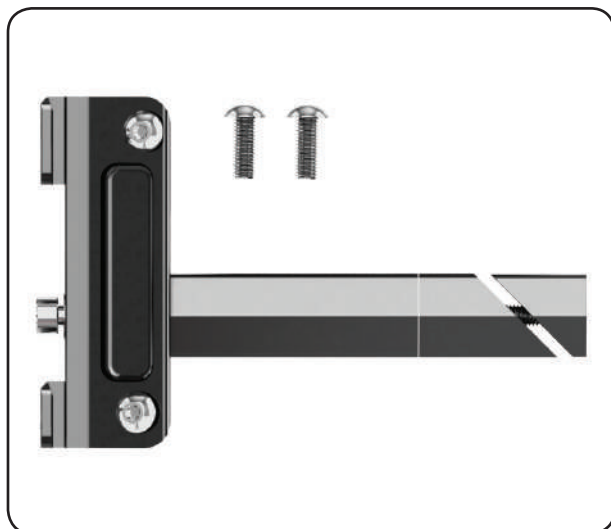
**SKU #: SP.E-119T+.284A**  
Complete Tailwind Assembly



**SKU #: 80402**  
Tailwind Box



**SKU #: 80009**  
Bottle Cages



**SKU #: 80401**  
Tailwind Hub & Slide



**SKU #: 80429**  
Replacement Tailwind Box closing strap

## Tools needed

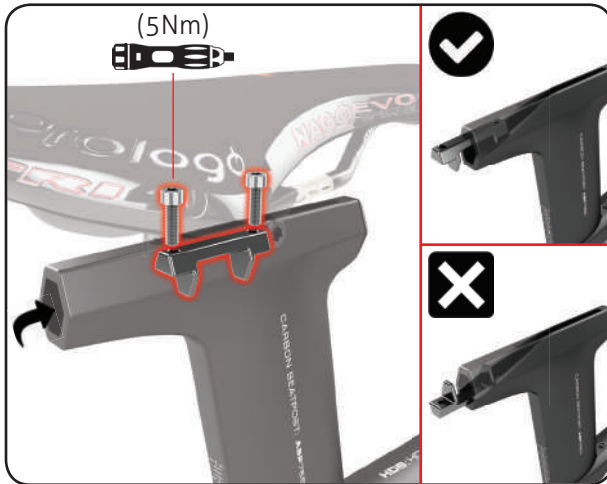
- Allen Key Set .....



- Torque Wrench + Hex Bit.....



**Note:** If you wish to purchase one or many of these components, you can do so by ordering them as spare parts.



### 1. Saddle clamp

Slide carrier into seat post as desired saddle position. Tighten saddle into carrier with M5 bolts (provided with Ritchey's saddle clamp) at 5 Nm.

**Note correct carrier orientation.**



### 2. Tailwind (TW) slide post

Ensure slide post's top is facing up (see above). Ensure slide post does not extend further than minimum insertion mark.

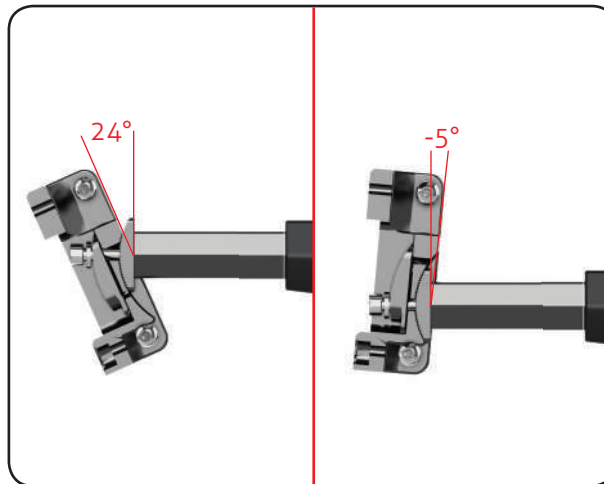


#### 2.1. TW slide post

With TW box removed from hub, slightly tighten M5x110mm screw. Ensure all components are sandwiched as shown above.

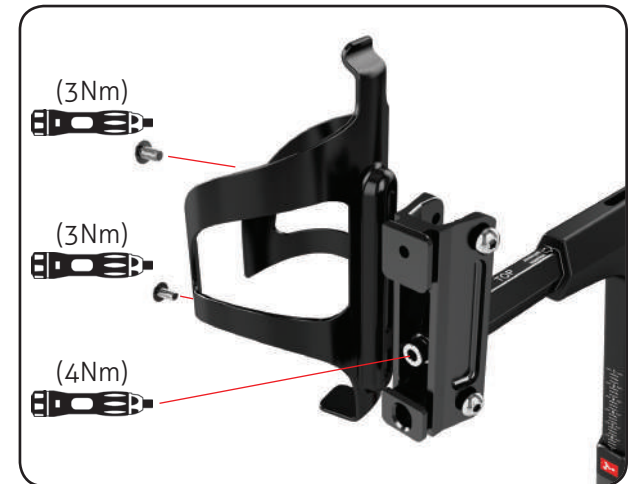


#### 2.2. TW orientation



#### 2.3. TW slide post

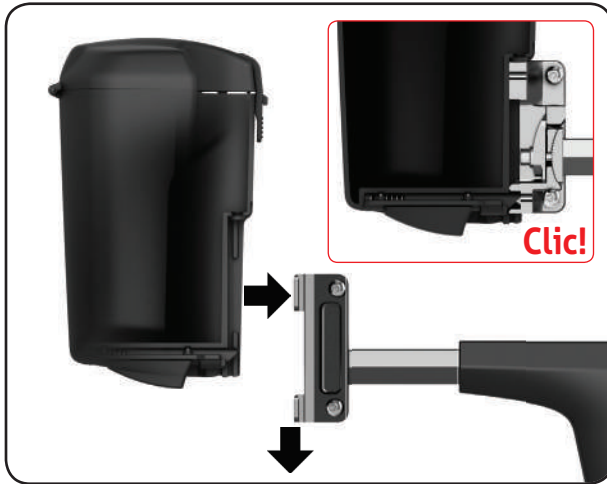
Range of adjustment: 24°/-5°



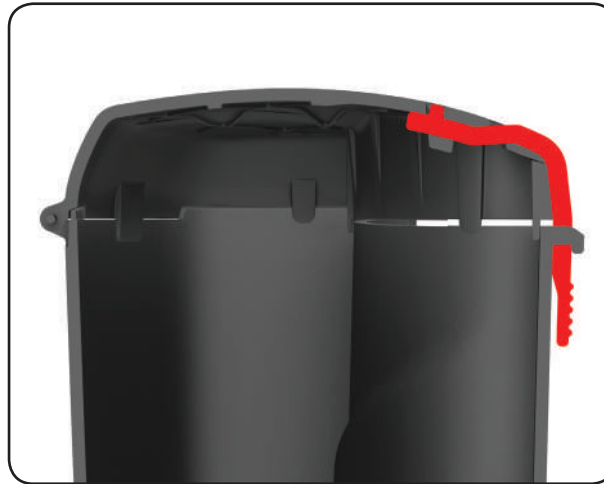
#### 2.4. TW slide post

Without the M5 bolt being torqued, position TW as wanted. Torque bolt to 4Nm.



**3.1 TW Box**

Box to hub insertion.

**3.2. TW box****Closing box's lid**

To replace the closing strap, simply thread new one as shown above.

**3.3. TW box**

Box capacity: 1.5L (1500 cm<sup>3</sup>)

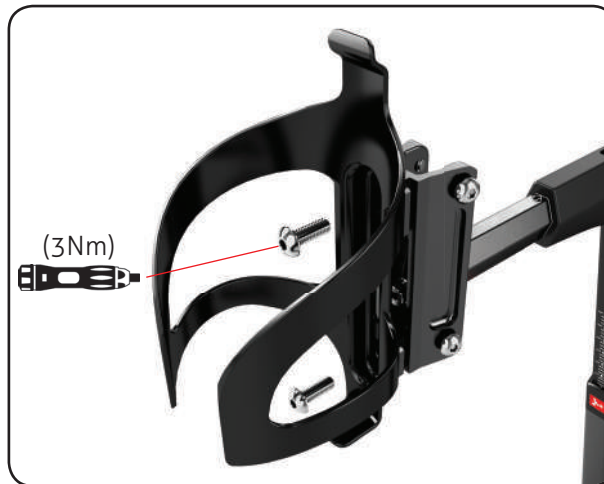
Content examples:

**A. Repair kit:** tubular tire, CO<sup>2</sup> cartridge, "Pitstop" tire repair bottle.

**B. Other:** food, cell, light jacket, etc.  
Pad box's content with rag or foam to avoid rattle if necessary.

**4.1. Hub**

Possible configurations.

**4.2. Hub**

To mount rear bottle cage onto hub, use 2xBHCS M5x14 screws provided.  
All bottle cage's screw torque requirement: 3Nm.



### 1. Front brake arms aren't coming back by themselves

This is caused by cable friction or because the housing cap isn't properly seated in the stem cable stop. First, make sure a short housing cap (as opposed to a long one), and clean both opposing ends of housing.

### 2. Insufficient brake pad clearance on rear brake or lack of space between rear brake pad and rim

Adjust brake arm plungers with 4mm Allen key to get more pad clearance.

### 3. Saddle rails:

If your saddle rails are not round and made of aluminum, please refer to Ritchey's part numbers. These parts are not sold by Argon 18 but available on Ritchey's website ([ritcheylogic.com](http://ritcheylogic.com)).

### 4. HT protector:

A protector has been added onto the head tube area of the frame to prevent any damage in the event of fork steering hitting that section.



- *ALWAYS use brake pad compound compatible with wheel model suggested by the wheel manufacturer.*
- *Break lever is optimised for Dura Ace/Ultegra. Argon 18 cannot guarantee optimal performance with other groupset.*
- Please contact customer service for any further inquiries.
- Compatibilities of standard tires with our bikes: 700x 25C – Any tire/rim combination compatible.

## E-119 TRI+ 284A: 19. Parts' SKUs and Descriptions\*

**ARGON 18**


No.	Name	Assembled on	A18 SKU#	Qty
<b>Parts already assembled</b>				
1.5	Front Derailleur Hanger (incl. screws)	Frame	38882	1
1.6	Rear Derailleur Hanger (incl. screws)	Frame	38883	1
	Bottle Cage Screws	Frame	81003	7
<b>Parts</b>				
1.1	E-119 Tri + Frame	-	-	1
2.1	E-119 Tri + Fork	-	FK.E119T+.XS.284A FK.E119T+.S.284A FK.E119T+.M.284A FK.E119T+.L.284A FK.E119T+.XL.284A	1
3.1	E-119 Tri + Seat Post	-	SPE119T+.284A	1
1.2	E-119 Rear Brake Cover (incl. screws)	Frame	81039	1
1.3	E-119 Lower Rear Brake Cover	Frame	81040	1
1.7.1	Seat Post Collar Base (incl. screws)	Frame	80423	1
1.7.2	Seat Post Collar Wedge (incl. screws)	Frame	80422	1
1.8	Top Tube Grommet (electronic)	Frame	80280	1
1.9	Top Tube Grommet (mechanical)	Frame	80281	1
1.10	Bottom Bracket Cover (incl. screws)	Frame	80159	1
1.11	Rear Derailleur Cable Stopper	Frame	80160	1
1.17	Front Derailleur Cable Grommet	Frame	80164	1
1.19	Head Tube Protector	Frame	80495	2
1.20	Rear Derailleur Grommet	Frame	80165	1
2.2	E-119 Front Brake Cover	Fork	81041	1
2.4	Stem Cap (incl. screws)	Fork	80283	1
2.8	Steerer	Fork	80289(xs/s), 80290(m), 80291(l), 80767(xl)	1
3.2	Internal Di2 Battery Support	Seat Post	80167	1 Set
4.1	Handlebar AHB-7600	Fork	80878	1

\*Except for the frame itself, which is not sold as a spare part, all parts can be ordered by referring to their respective SKU number.

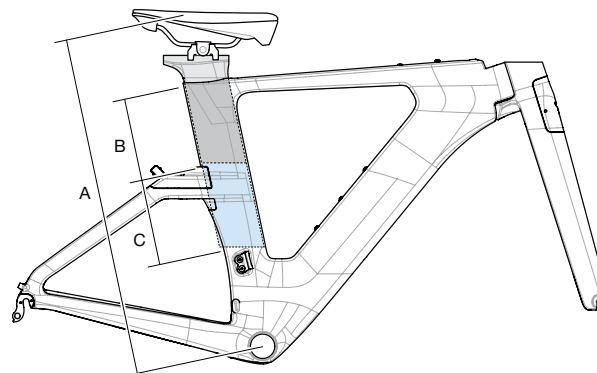
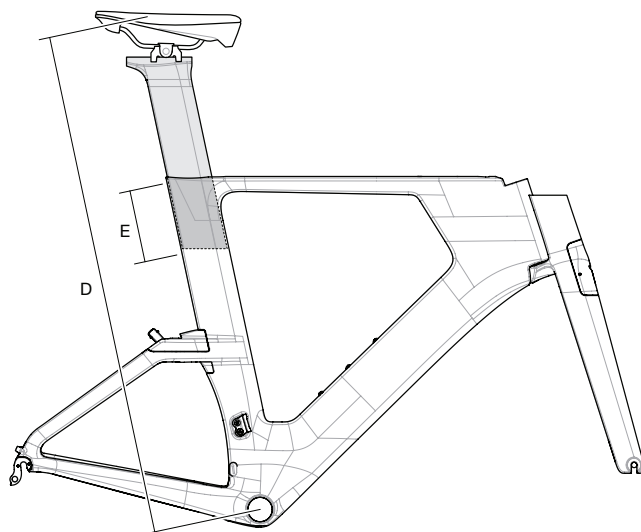


No.	Name	Assembled on	A18 SKU#	Qty
<b>Parts</b>				
4.2.1	Swivel Lower Bracket (incl. square nut)	Handle Bar	38916	2
4.2.2	Swivel Upper Bracket	Handle Bar	38915	2
4.2.3	Swivel Square Nut	Handle Bar	80382	2
4.2.4	Swivel Screw (M6X12mm)	Handle Bar	38911	2
4.3	10mm Armrest Spacer	Handle Bar	38998	2
4.4	Medium Sleeve Nut (30mm)	Handle Bar	80292	4
4.5	20mm Armrest Spacer	Handle Bar	38999	2
4.6	40mm Armrest Spacer	Handle Bar	39000	2
4.7	70mm Armrest Spacer	Handle Bar	39001	2
4.8	Small Sleeve Nut (24mm)	Handle Bar	80293	4
4.9	Large Sleeve Nut (44mm)	Handle Bar	80294	4
4.10	X-Large Sleeve Nut (74mm)	Handle Bar	80295	4
4.11	5mm Armrest Spacer	Handle Bar	38997	2
4.12.1	Extension Connector Base	Handle Bar	38912	2
4.12.2	Extension Connector Top Plate	Handle Bar	80296	1
4.12.3	Extentsion Bar	Handle Bar	80061	2
4.12.4	Left Armrest	Handle Bar	80077	1
4.12.5	Right Armrest	Handle Bar	80078	1
4.12.6	Computer Mount	Handle Bar	38975	1 Set
4.12.7	Di2 End Cap	Handle Bar	38977	2
4.13	Flat Head Hex Screw (M6x20mm)	Handle Bar	80297	3
4.14	Flat Head Hex Screw (M5x10mm)	Handle Bar	80298	4
4.15	Flat Head Hex Screw (M5x18mm)	Handle Bar	80299	4
4.16	Flat Head Hex Screw (M5x12mm)	Handle Bar	80300	4
4.17	Head Hex Screw (M5x25mm)	Handle Bar	80301	4
4.18	Head Hex Screw (M5x15mm)	Handle Bar	80302	4
4.19	Head Hex Screw (M5x35mm)	Handle Bar	80303	4
4.20	Flat Head Hex Screw (M5x15mm)	Handle Bar	80304	4
4.21	Flat Head Hex Screw (M5x25mm)	Handle Bar	80305	4
4.22	Flat Head Hex Screw (M5x35mm)	Handle Bar	80306	4





No.	Name	Assembled on	A18 SKU#	Qty
<b>Parts</b>				
4.23	Flat Head Hex Screw (M5x45mm)	Handle Bar	80307	4
4.24	Flat Head Hex Screw (M5x55mm)	Handle Bar	80308	4
5.1	Armrest Pad	Handle Bar	80080	1 Set
5.2	Vision TriMax Aero Brake Levers	Handle Bar	39108	1 Set
5.3	Argon 18 Front Brake Assembly	Fork	80022	1
5.4	Argon 18 Rear Brake Assembly	Frame	80023	1
5.5	MR136 Top Bearing	Fork	80650	1
5.6	MR122 Lower Bearing	Fork	38934	1
5.7	Jagwire Housing Kit	-	39013	1
5.8	3D Headset Tool	-	36165	1
5.9	Plastic Plug	Frame	80264	4
6	Complete Tailwind Assembly	Frame	SP.E119T+.284A	1
6.11	Bottle Cage	Seat Post	80009	2
6.19	Replacement Tailwind Box Closing Strap	-	80429	1
	Tailwind Specific Seat Post	-	80428	1
	Tailwind Box	-	80402	1
	Tailwind Hub & Slide Post	-	80401	1



Refer to the tables below for details on Saddle Height and SeatPost insertion limits.

- i. The correct frame size must be determined according to the saddle height limits.
  - A. Minimum Saddle Height
  - D. Maximum Saddle Height
- ii. Depending on the size of the frame and the desired saddle height, the SeatPost might need to be cut.

B. Maximal insertion depth in the Frame's SeatTube.

C. Required SeatPost cut length to be able to adjust the Saddle Height at the Minimum position.

- Adjust the SeatPost cut length in accordance with your desired Saddle Height.

**Required minimum SeatPost Cut length = C - ("desired Saddle Height" - A)**

- Example: - For a desired Saddle Height of 600mm on a XS-E 119 Frame

- The required minimum SeatPost Cut length is:  $145 - (600 - 580) = 125\text{mm}$

E. Minimal insertion depth in the Frame's SeatTube.

Saddle Height Limits			E-119 / E119+		
Size	Saddle H Min	ST Max Insert	SP Cut	Saddle H Max	SP Min Insert
	mm	mm	mm	mm	mm
	A	B	C	D	E
X-Small	580	130	145	775	80
Small	627	180	95	822	80
Medium	641	195	80	836	80
Large	667	220	55	862	80
X-Large	695	250	25	890	80