



SLICK

Assembly Manual



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SLICK

Assembly Manual

INTRODUCTION

Congratulations on the purchase of your FACTOR product. Please review thoroughly the following instructions and only follow them for correct operation and use. Should you fail to follow the following instructions and warnings, this could result in damage of the product, damage to the bicycle and in severe situations cause possible injury and or death.

Since specific tools and bicycle service experience is required for proper assembly installation, it is

recommended that the product be assembled by a qualified bicycle mechanic. FACTOR BIKES assumes no responsibility for damages or injury due to improper assembly and installation of the product(s).

To qualify for FACTOR'S LIMITED LIFETIME WARRANTY please visit www.factorbikes.com and register your product(s) within 15-days of purchase.

LIMITED LIFETIME WARRANTY ON BICYCLES AND FRAMESETS

Subject to the following limitations, terms and conditions, Factor warrants to the original owner for the lifetime of the original owner of each new Factor bicycle or frameset that the bicycle frame or frameset is free of defective materials and workmanship.

The lifetime limited warranty is conditioned upon the bicycle being operated under normal conditions and use, and properly maintained in accordance with the owner's handbook (as supplied with the Factor bicycle).

This lifetime limited warranty does not apply to paint/finish, any Factor components considered subject to normal wear and tear or any third-party components attached to the bicycle or frameset, such as wheels, drive train, brakes, or any suspension related parts or components.

Any Factor components considered subject to normal wear and tear are covered under a limited one (1) year warranty. The duration of this limited warranty shall be one (1) year, commencing from the date the customer takes possession of the bicycle.

Factor components considered subject to normal wear and tear will be listed in the Technical Supplement and/or User Manual provided with the bicycle. Any and all third party components included with or installed on Factor bicycles are subject to any manufacturers' guarantee applicable to those components, as specified by the manufacturer.

Additional Conditions: This lifetime limited warranty is made solely to the original owner of this new Factor bicycle or frameset, and shall remain in force only as long as the original owner retains

ownership of the Factor bicycle. This lifetime limited warranty is not transferable.

If the bicycle is purchased as a gift, the original recipient of the gift is considered to be the original owner for the purposes of this lifetime limited warranty.

In order to exercise your rights under this lifetime limited warranty, the bicycle or frameset must be presented to Factor or an authorized Factor dealer, together with a receipt, bill of sale, or other appropriate written proof of purchase which identifies the bicycle or frameset by serial number.

Exclusions & Limitations:

The above warranty, or any implied warranty, does not cover:

Modifications from the original condition except such modifications which are necessary to comply with specific national legislative requirements that may apply in the country of use.

Normal wear and tear.

Use of the bicycle for abnormal and/or commercial activities, or for purposes other than those for which the bicycle was designed. Damage caused by failure to follow the instruction manual.

Paint finish and decal damage resulting from normal wear and tear, taking part in competition,

jumping, downhill and/or training for any such events or as a result of exposing the bicycle to, or riding the bicycle in, severe conditions or climates.

Labour and/or transport charges for full or part replacement, repair, return or changeover.

Accident, neglect, improper handling, abuse or wilful damage, misuse, improper assembly and use of devices or components not originally intended for, or not compatible with the bicycle.

Any alteration or repair by you or a third party who is not one of our authorised repairers.

Any specification provided by you. Remedy: Unless otherwise provided, the sole remedy under the above Factor warranty, or any implied warranty, is limited to repair or replacement of defective parts with those of equal or greater value at the sole discretion of Factor.

Except for this remedy Factor will not be responsible for any direct, incidental or consequential loss or damages, including, without limitation, loss or damages for personal injury, property damage or economic losses, whether based on contract, warranty, negligence, product liability or any other theory.

Nothing in this limited warranty will exclude or limit Factor's liability for death or personal injury caused by Factor's negligence or any other liability which cannot be excluded or limited by law. Unless you are a consumer, Factor makes no other warranties, express or implied and all implied warranties, including warranties of merchantability, reasonable care, and fitness for a particular purpose are hereby disclaimed.

Miscellaneous:

In the event that Factor prevails in any court action, you agree to reimburse Factor for the expenses, including attorney's fees and expenses of litigation incurred by Factor in defending against your claim.

Claims made outside the country of purchase may be subject to additional fees and restrictions.

Warranty detail and duration may differ by country. This warranty gives you specific legal rights, and you may also have other rights which may vary from place to place. This warranty does not affect your statutory rights.

To the extent that this warranty statement is inconsistent with local law, this warranty shall be deemed modified to be consistent with such law; under such law, certain disclaimers and limitations may apply to the customer.

Some states and countries do not allow the exclusion or limitation of incidental or consequential damages or warranties, so the above limitations or exclusions may not apply to you.

If it is determined by a court of competent jurisdiction that a certain provision of this limited warranty does not apply, such determination shall not affect any other provision of this limited warranty, and all other provisions shall remain in effect.

The English language version of this limited warranty will prevail.

This limited warranty is governed by the laws of European Union and United States and the courts of European Union and United States shall have the non-exclusive jurisdiction to settle any dispute or claim arising out of or in connection to this limited warranty or its subject matter or formation (including non-contractual disputes or claims).

Necessary tools

- ✓ Torque wrench with 2, 2.5, 3, 4, 5, 6 mm hex & Torx T20 bits
- ✓ BRT-002 bearing press from Enduro Bearings
- ✓ Sand paper (120-180 grit)
- ✓ Park Tool IR-1
- ✓ Grease & Loctite 243 (dropouts) & 641
- ✓ Isopropyl alcohol

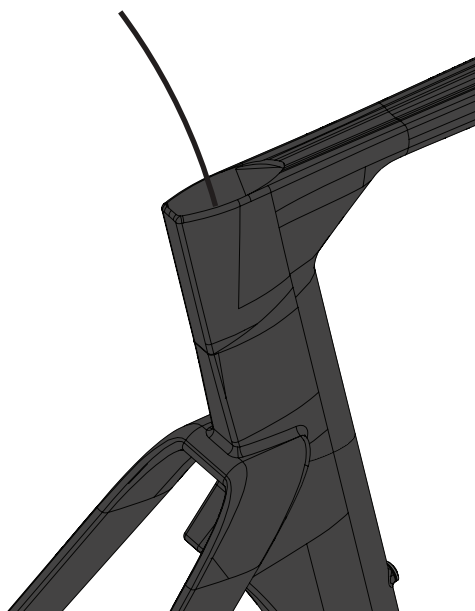
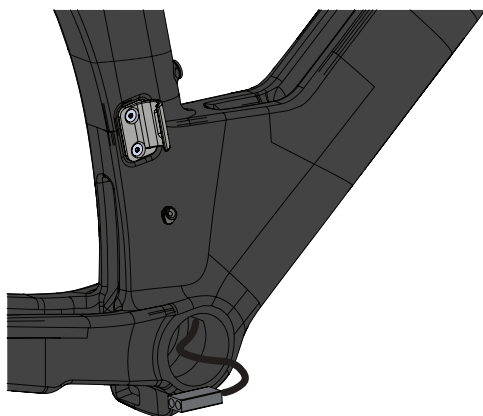
Instructions

Similar to a Formula 1 car your Factor Slick requires a bit of patience and mechanical skill to achieve a truly impressive result. We recommend that you have your bicycle assembled and maintained by an authorized Factor dealer. Make sure to let your mechanic know how much you appreciate their help building the bike of your dreams!

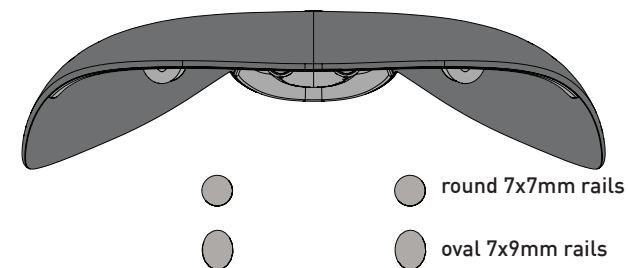
Factor Slick Assembly

1-1 Seatpost

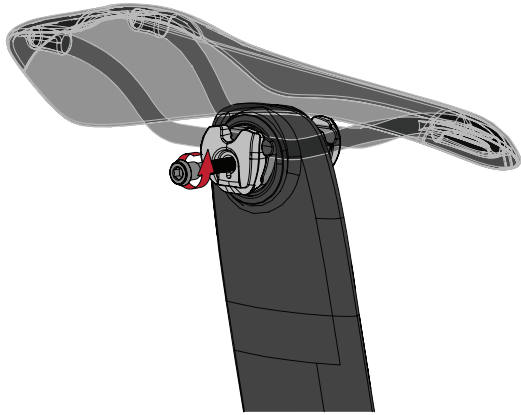
Route the Di2 seatpost cable from seattube to the bottom bracket (internal port). Connect to the Shimano Di2 Junction B according to Shimano's instructions.



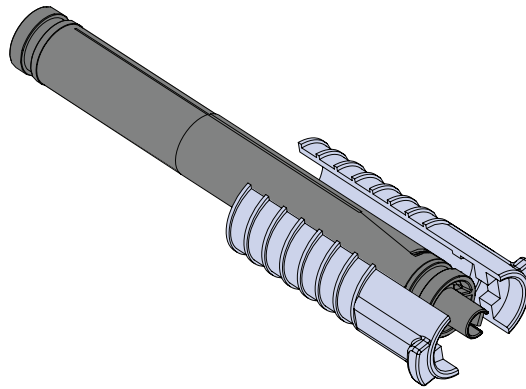
1-2



- 1-3** Adjust the set back and saddle angle to the desired position. Tighten the M6 saddle clamp bolt to **12Nm**.

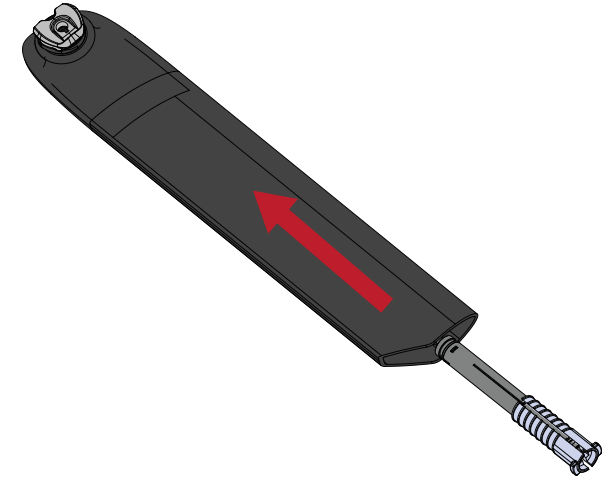


1-4

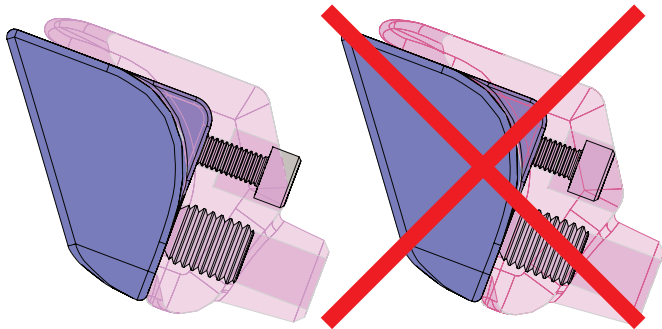


Place the battery holders around the Di2 battery. The male shell grooves must match with the female battery groove.

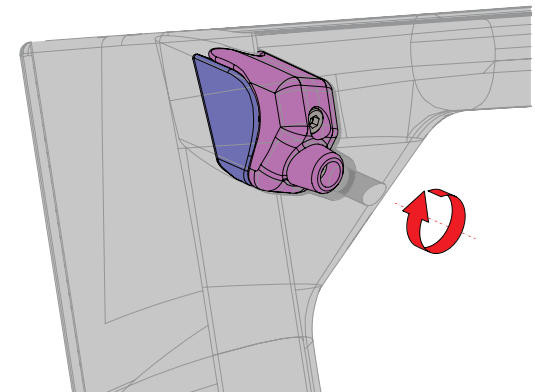
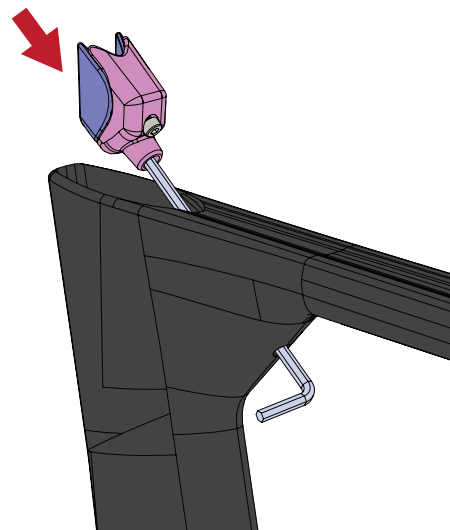
- 1-5** Insert battery in the seatpost.



- 1-6** Before assembly, the wedge must be adjusted as pictured. Keep in mind that the M4 bolt only holds the wedge pieces together and plays no part in tightening the seatpost.



1-7

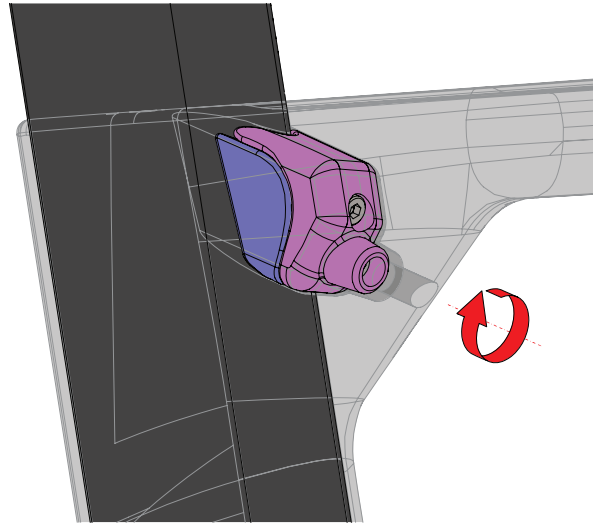


Slide 4 mm hex wrench through the hole under the top tube and use to guide the seat post wedge into position

1-8

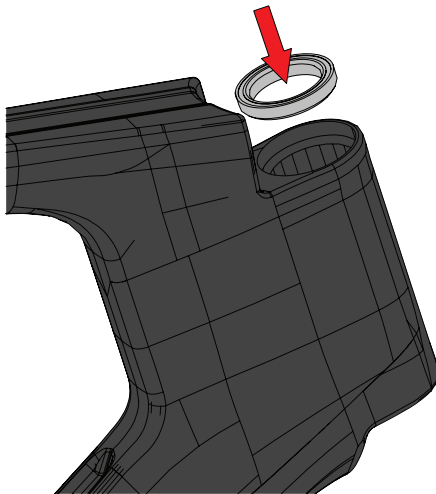
Apply Installation Compound to the inside of the seat tube. Connect the Di2 cable to the battery. Insert seatpost into the frame to the desired height.

Note: Your Factor frame set requires a minimum of 90 mm of seatpost insertion. The minimum insertion is clearly marked on the seat post. Failure to achieve the minimum insertion could cause damage to the seat post or frame resulting in serious injury or death.

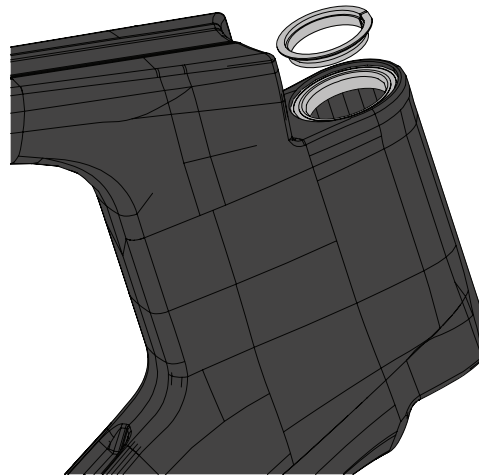


2-1 Fork, Stem and Headset Installation

Lightly grease the upper headset bearing and then install in upper headset cup.



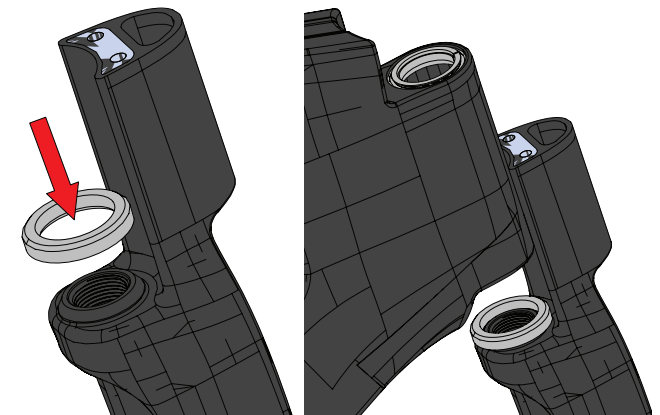
2-2



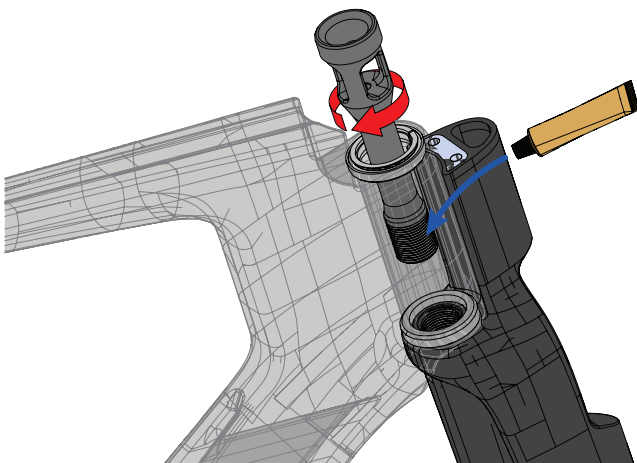
Lightly grease the upper headset bearing and then install in upper headset cup.

2-3

Lightly grease lower headset bearing and place on fork crown race.

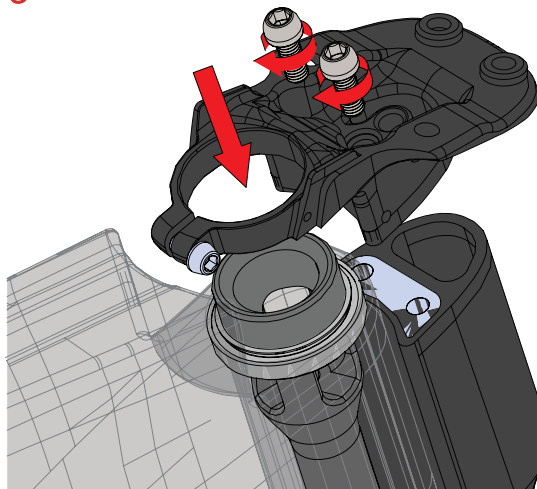


2-4



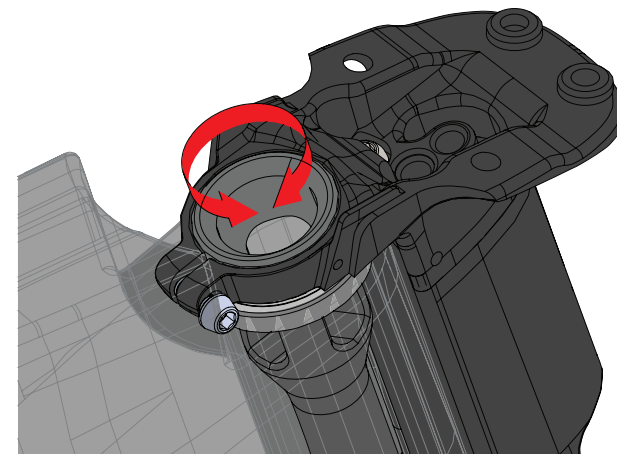
Lightly grease and install steerer rod and tighten until there is no bearing play but the headset still spins freely.

2-5



Install stem and tighten M6x20L bolts to **10 Nm**

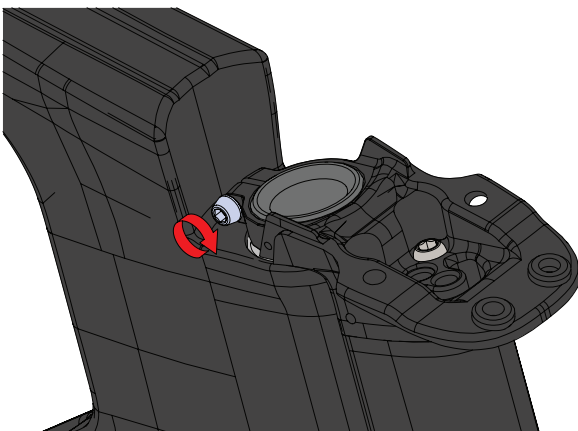
2-6



Check headset adjustment as bearing preload may have changed during stem installation

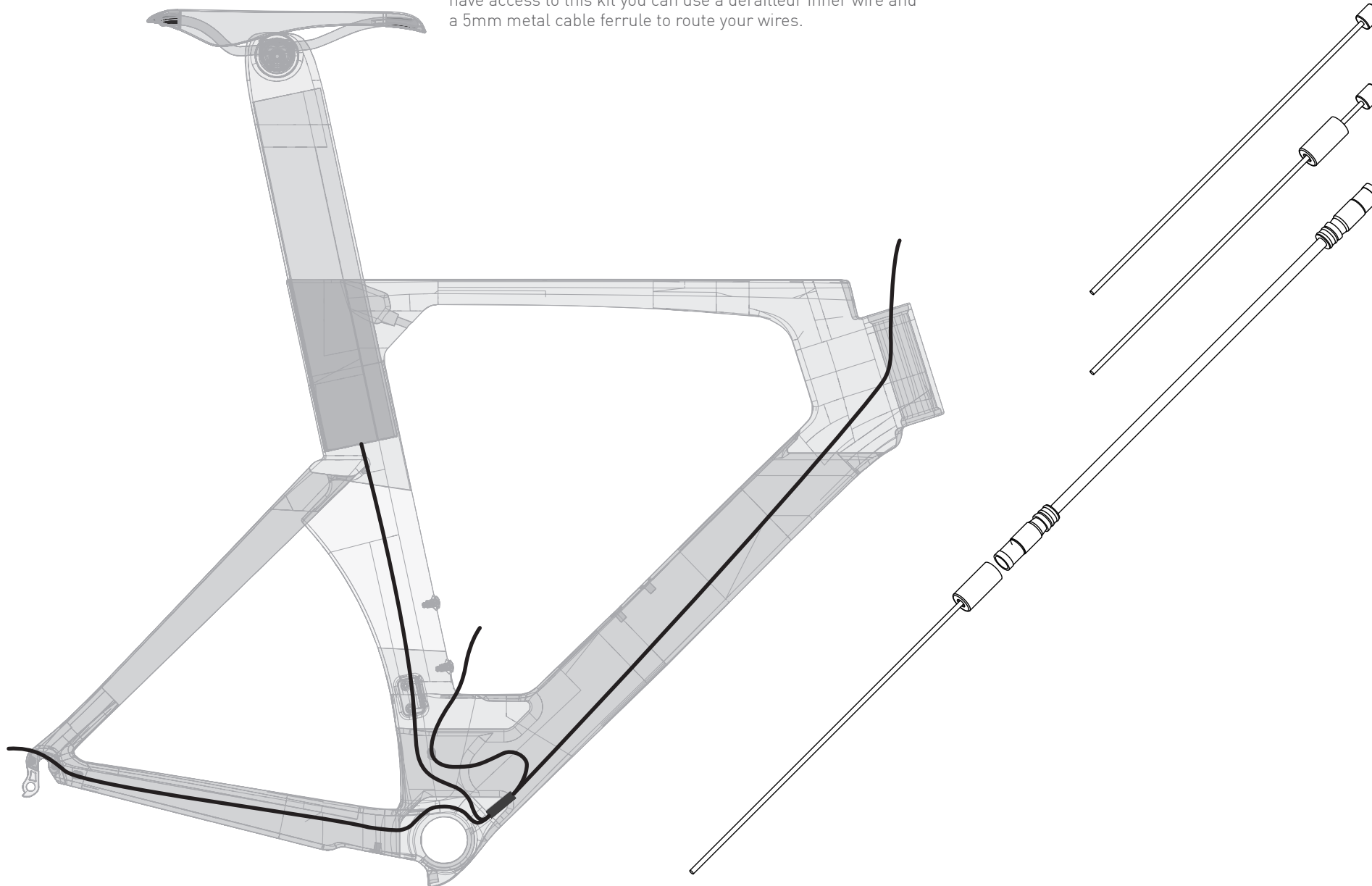
2-7

Secure headset adjustment by tightening M5x16L bolt to **6 Nm**

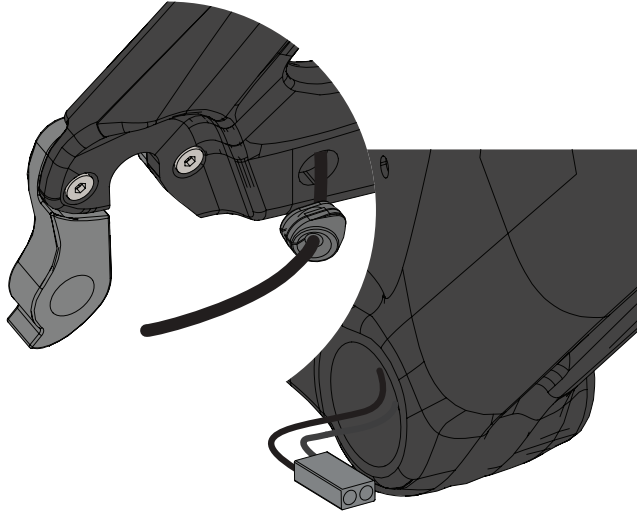


3-1 Di2 cable routing overall view

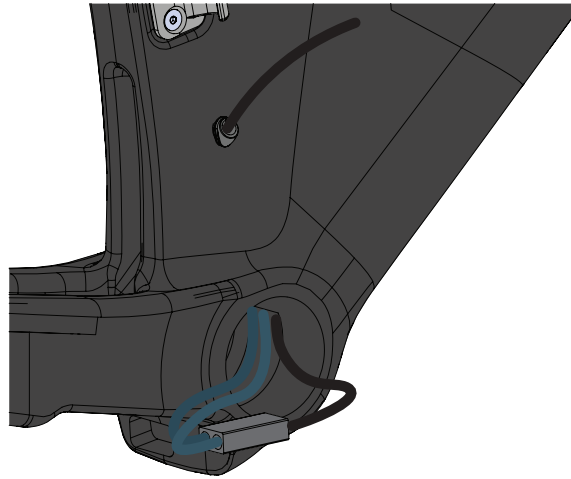
Park Tool offers an excellent internal cable routing kit (Park Tool IR-1) to help you easily route your cables. If you do not have access to this kit you can use a derailleur inner wire and a 5mm metal cable ferrule to route your wires.



- 3-2** Route the rear derailleur Di2 cable through the chainstay. Install Di2 cable grommet. Connect to the Di2 junction B.



- 3-3** Route the front derailleur Di2 cable through the seat tube hole to the bottom bracket exit window. Connect to the Di2 Junction B.

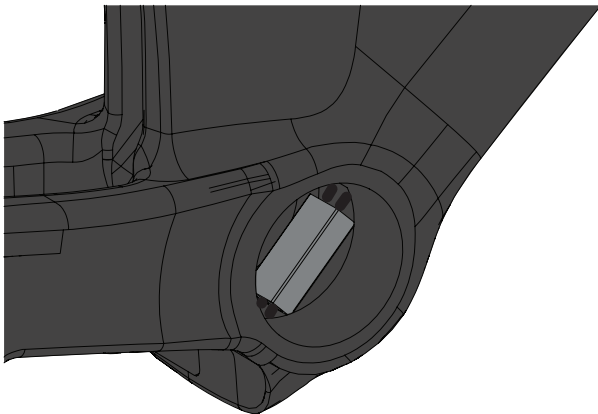


- 3-4**



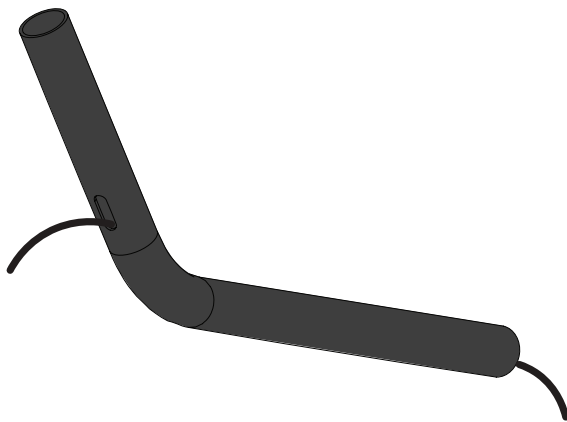
Route the Di2 cable from the Junction A to the Junction B through the down tube (as pictured) to the bottom bracket shell exit window.

- 3-5** Carefully insert Junction B and all cables through the bottom bracket shell window.



4-1 Aerobar Assembly

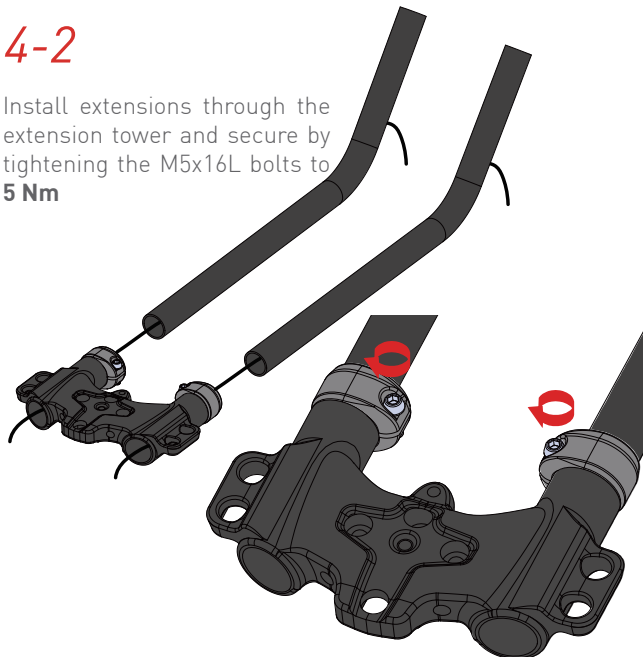
Note: It is much easier to fully assemble the aerobar, base bar, shifters, brake levers and route all cables before installing the assembly onto the stem as a single unit.



Route Di2 cables through extensions and install shifters.

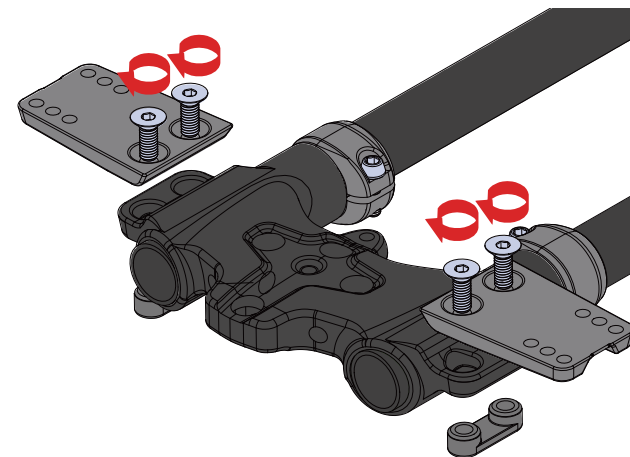
4-2

Install extensions through the extension tower and secure by tightening the M5x16L bolts to **5 Nm**

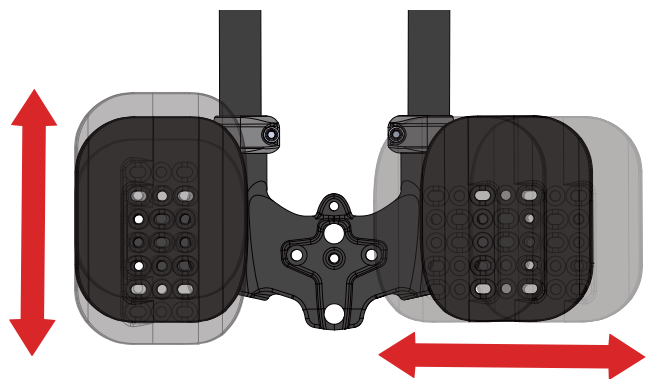


4-3

Install armrest plates and secure by tightening M6x16L bolts to **6 Nm**

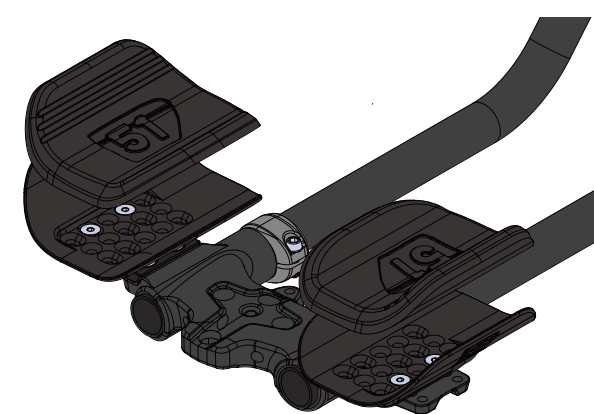


4-4



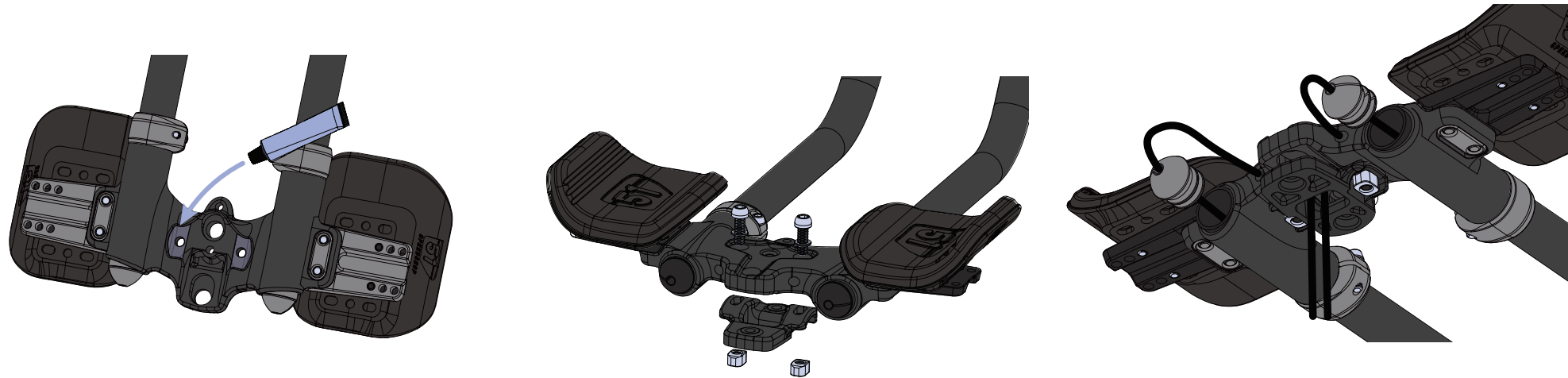
Select the desired armrest cup position and secure by tightening M5x12L bolts to **4 Nm**

4-5



Install armrest pads

4-6

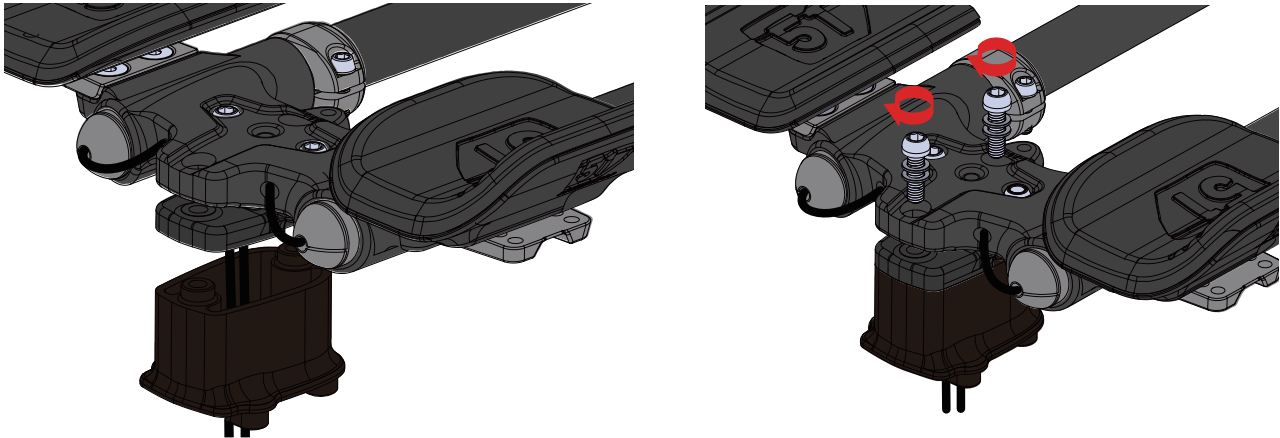


Route extension shifter Di2 cables through extension tower

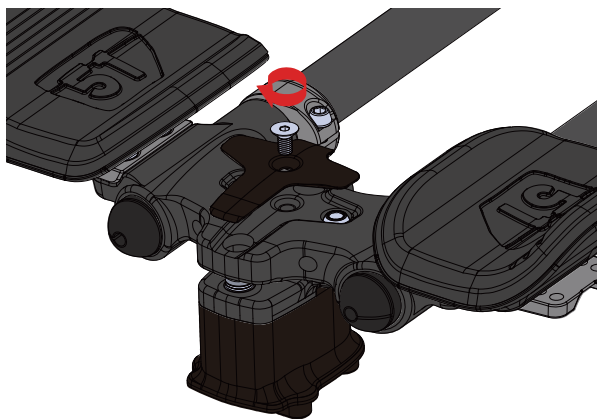
4-7

Select desired base plate height and spacers. Attach extension tower to top plate tightening M6 bolts to **8 Nm**. Use the table below to determine the correct bolt length.

Spacer	Bolt + 1 mm Flat Washer
0	20
10	30
20	40
30*	20
30* + 10 = 40	30
30* + 20 = 50	40
30* + 30 = 60	50
*30mm Tower Base Plate	



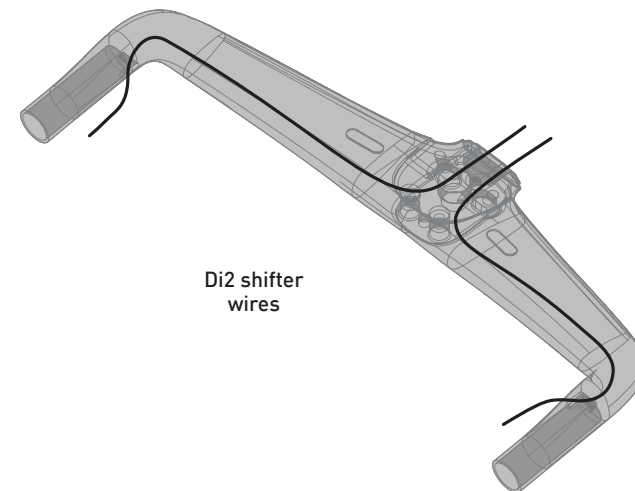
4-8



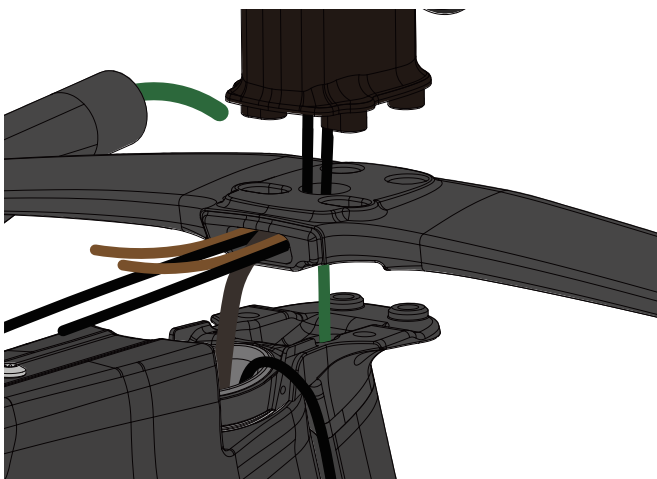
Route front and rear brake cable housings through base bar

4-9

Route Di2 cables through base bar and install brake/shift levers

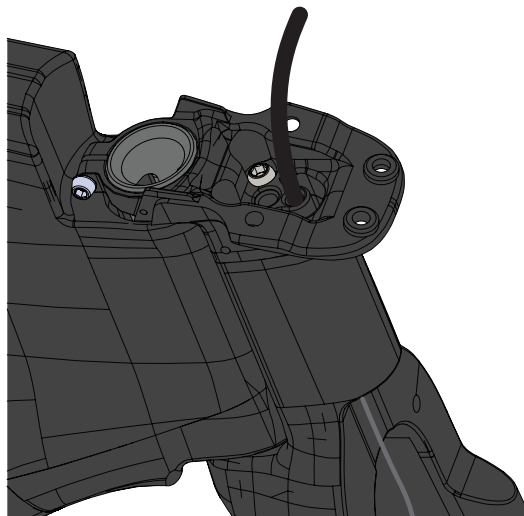


4-10

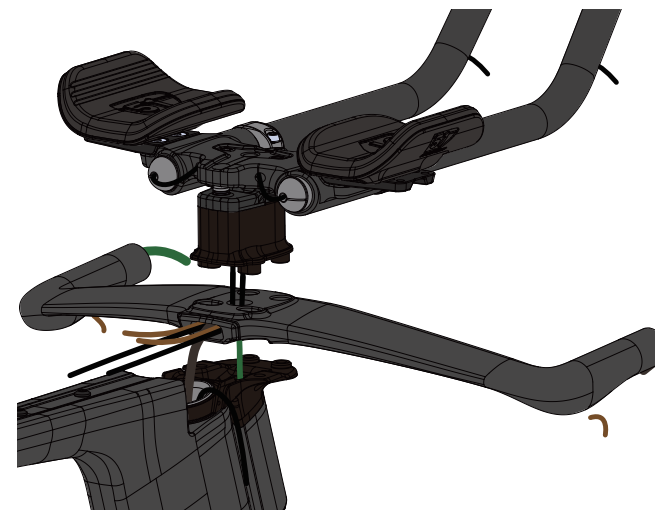


Route extension shifter Di2 cables through basebar

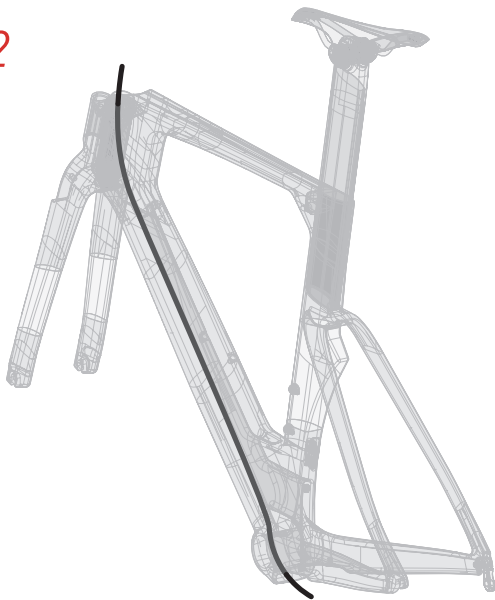
Route front brake cable into stem cable stop while carefully maneuvering the handlebar assembly onto the stem.



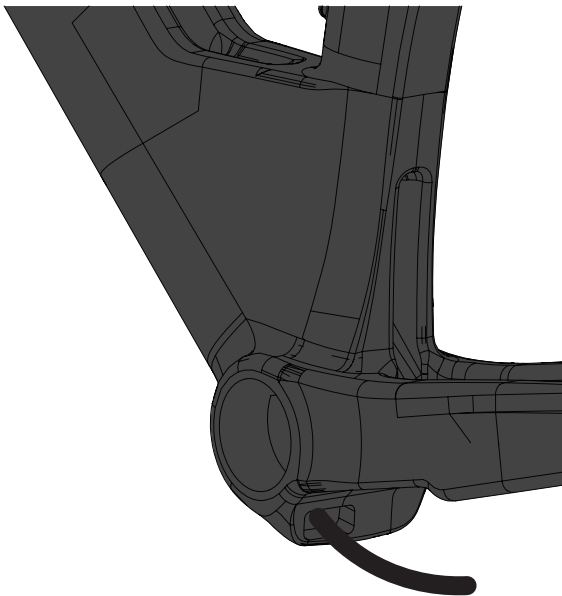
4-11



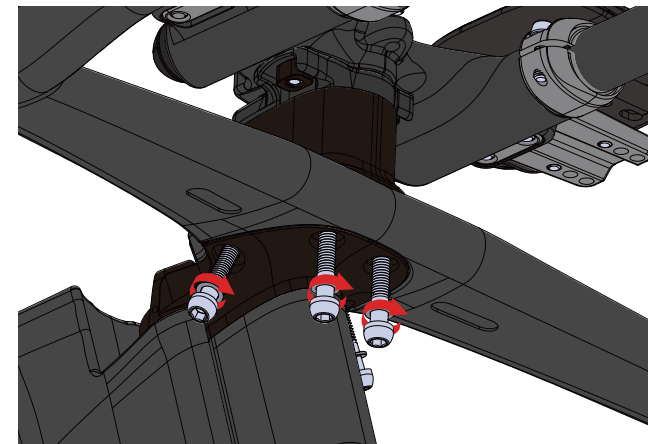
4-12



Route rear brake cable through down tube as pictured

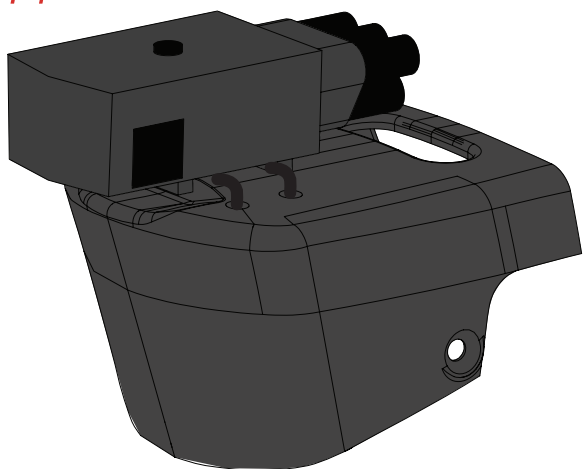


4-13



Secure handlebar to stem by tightening M6x25L bolts to **8 Nm**

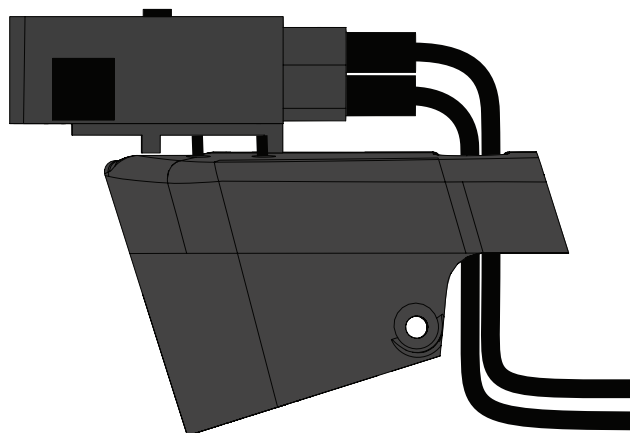
4-14



Secure Junction A to stem cover using cable ties as pictured

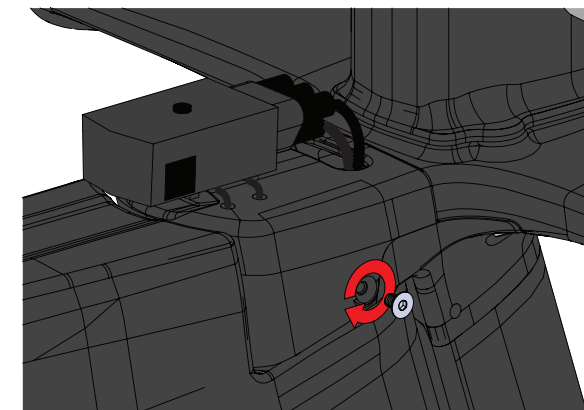
4-15

Route Di2 cables through stem cover cable port and install into Junction A

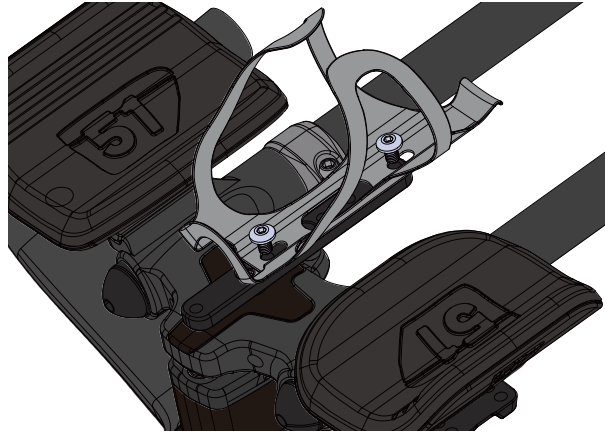
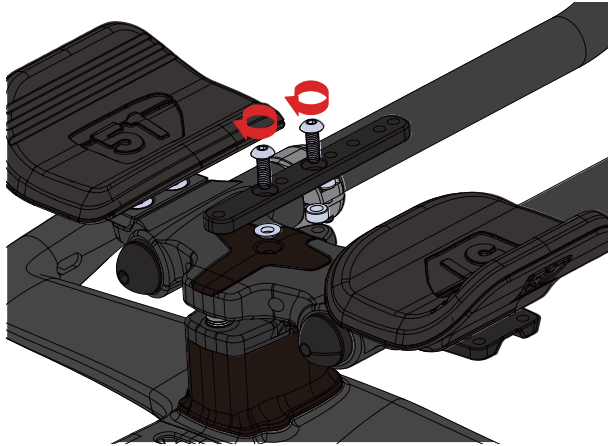


4-16

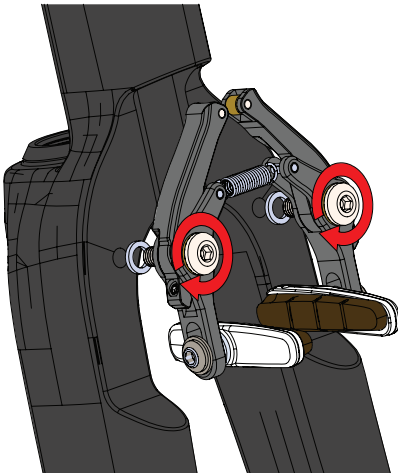
Install stem cover and secure by tightening M3x5L bolts to **0.5 Nm**



4-17

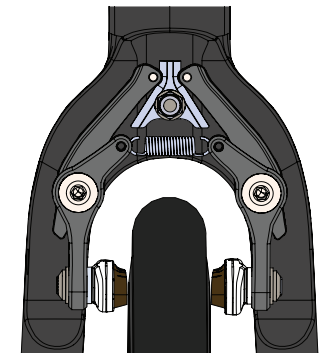
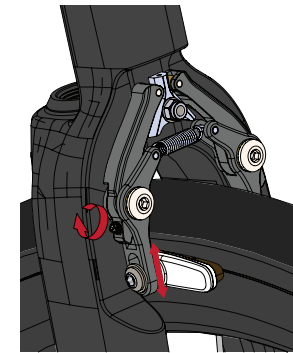
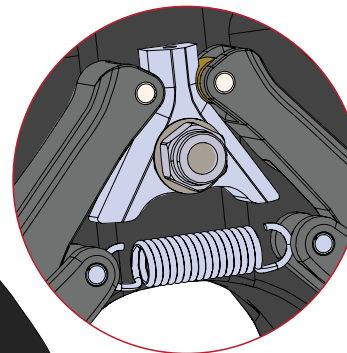
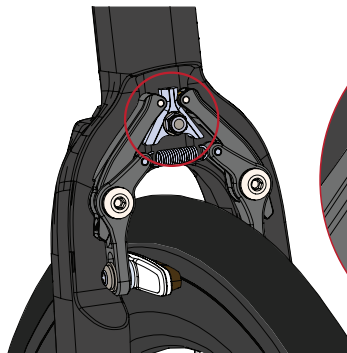


5-1 Front Brake Installation



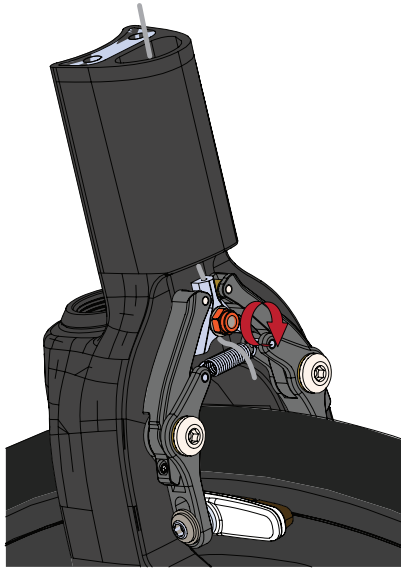
5-2

Install brake wedge. Use grub screws to adjust each brake arm until the brake pad is 2-3mm from the rim. It is very important that the wedge is positioned between the rollers as pictured. Placing the wedge too high could cause the brake arms to hit the brake cover, resulting in an unexpected loss of braking power.



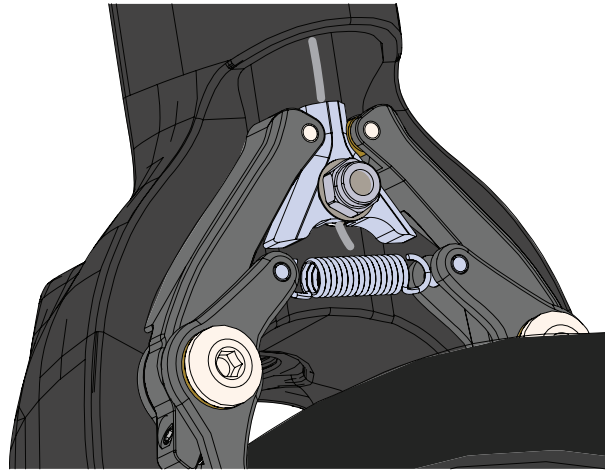
Install front brake using M6 bolts taking care to place the provided flat washers in between the fork and the brake mount.

5-3



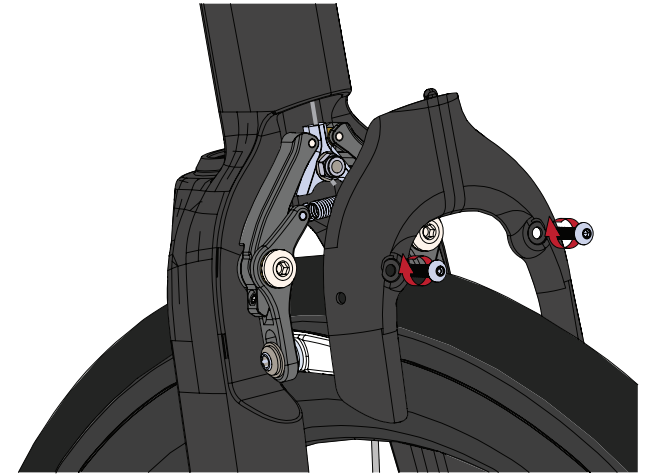
Route brake inner wire through wedge and tighten **6-7 Nm** taking care not to change the wedge position

5-4



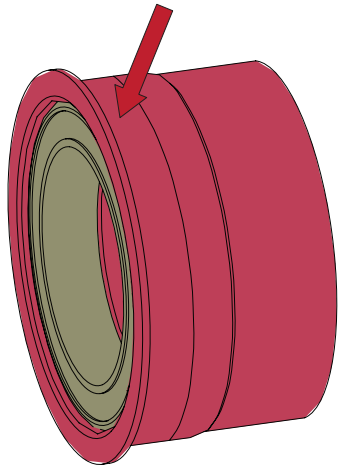
Cut the brake inner wire short enough to prevent it from contacting the brake spring

5-5



Install brake cover by tightening M4x10 bolts to **2 Nm**

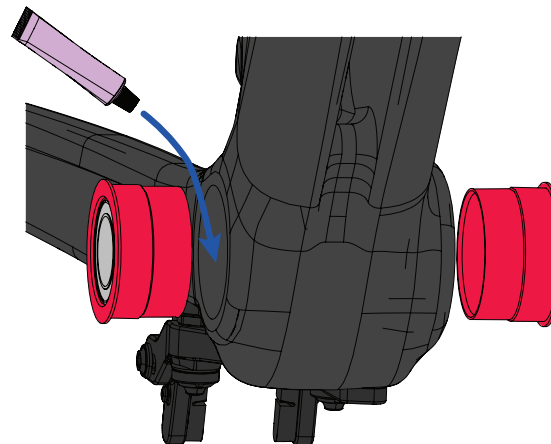
6-1 Bottom Bracket



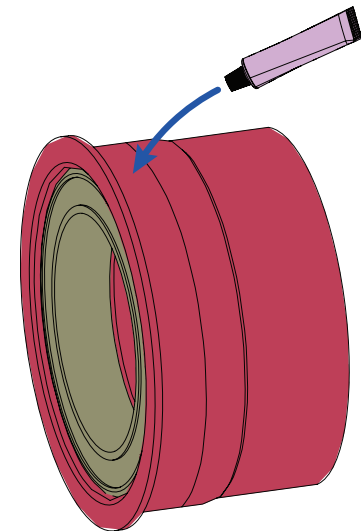
Clean the inside of the frame bottom bracket & the bottom bracket cups with an isopropyl alcohol.

6-2

Apply Loctite 641 inside the bottom bracket shell and install the cups into the frame with BRT-002 bearing press from Enduro Bearings.

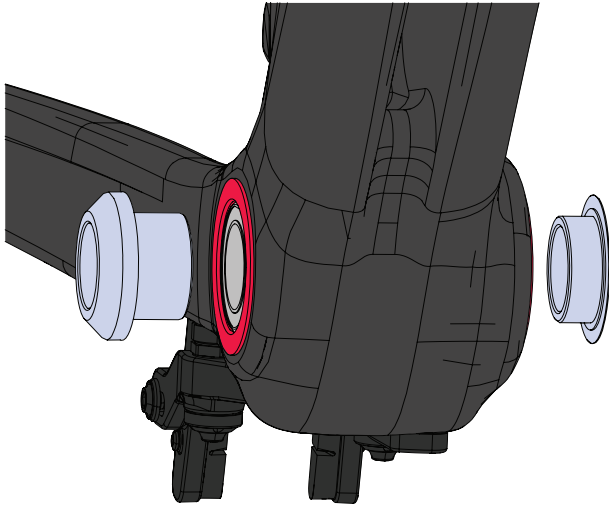


6-3

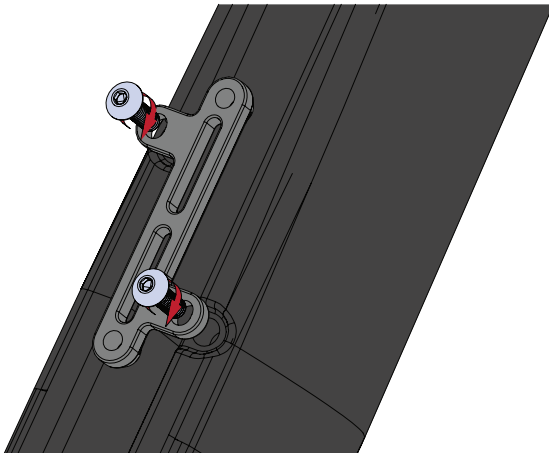


Apply Loctite 641 on the grooves of the both bottom bracket cups.

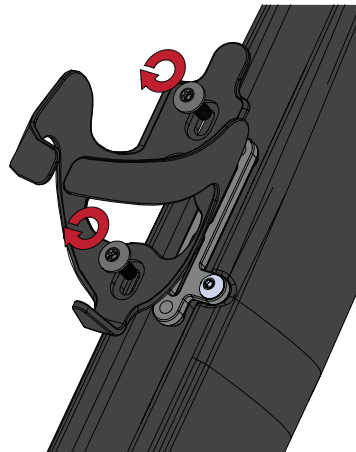
- 6-4** For 24 or 22 mm cranks install the included Wheels MFG BBright reducers/adapters.



- 7-1** Bottle cage



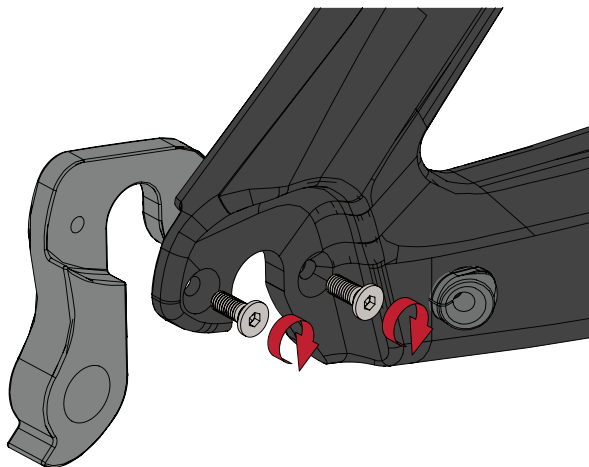
- 7-2**



Install down tube cage bridge and tighten M5 torx head bolts to **2 Nm**.

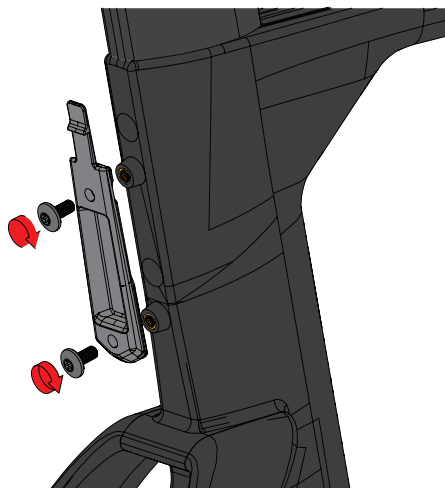
Install cage and tighten M5 torx head bolts to **2 Nm**

8-1 Rear dropout



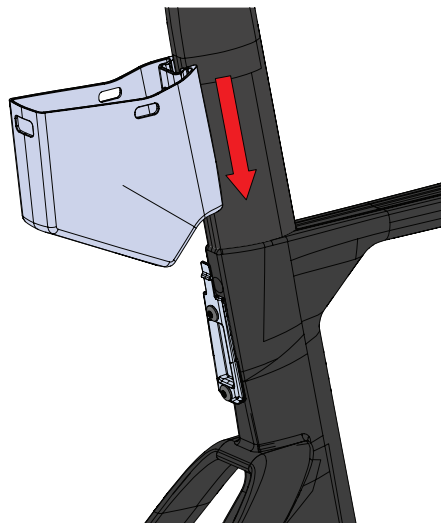
In case of dropout replacement, apply Loctite 243 on bolts threads and tighten to **1 Nm**.

9-1 Storapak

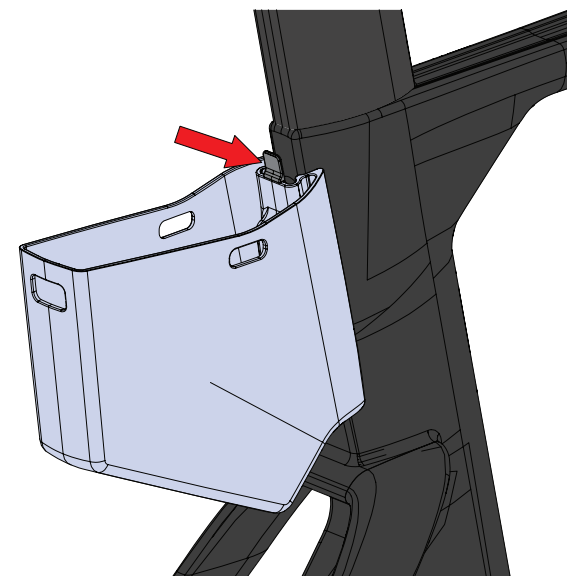


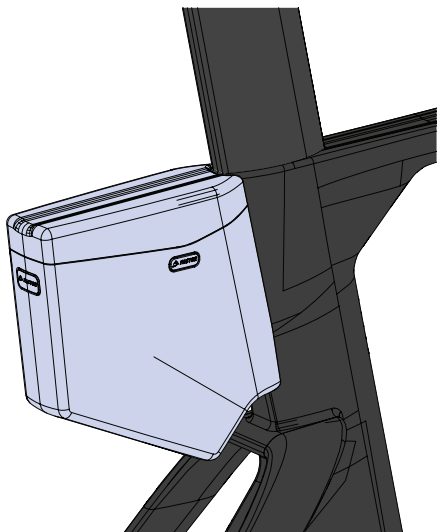
Install the rear Storapak rail to the seat tube by tightening the provided M5 torx head bolts to **2 Nm**.

9-2



Slide the Storapak down the rail until it securely clicks into position.



9-3

Install the Storapak cover making sure to carefully latch each tab into their corresponding holes.

