



FACTORBIKES.COM



Ostro Gravel 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

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

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.

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.

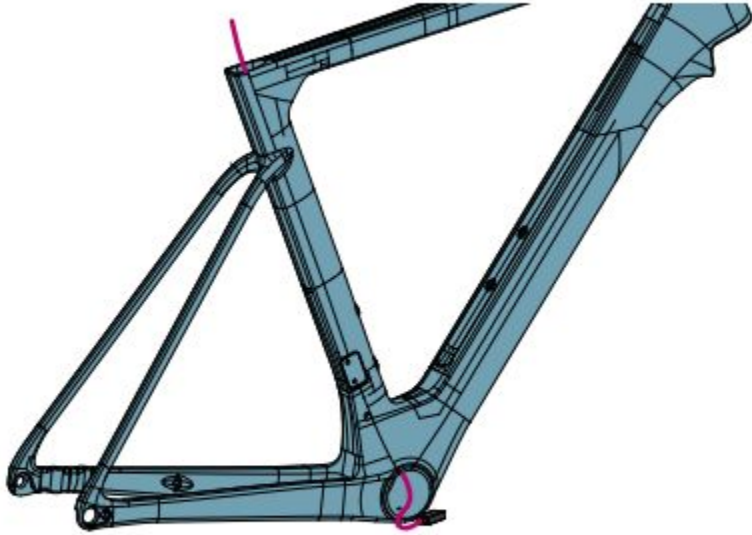
This limited warranty is governed by the laws of European Union and United States and the courts of European Union and United States shall have the non-exclusive jurisdiction to settle any dispute or claim arising out of or in connection to this limited warranty or its subject matter or formation (including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

Necessary tools

- BBT-47 Bottom Bracket Tool from Park Tool
- Sand paper (120-180 grit)
- Park Tool IR-1
- Hydraulic bleeding kit
- Marker
- Grease only
- Isopropyl alcohol
- Assembly paste (Morgan Blue Auqaproof Paste or r.s.p. Creak Freak Assembling Paste)
- Loctite 243
- M6x1.0 tap

Instructions

Similar to a Formula 1 car, your Factor OSTRO 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!



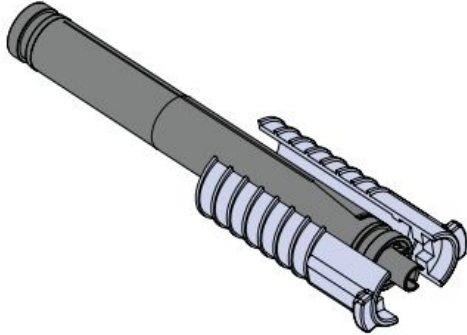
1-1 Seatpost

Route Di2 wire through seat tube and out through bottom bracket hole, attach Junction B to the end of the Di2 wire at the bottom bracket



1-2 Seat

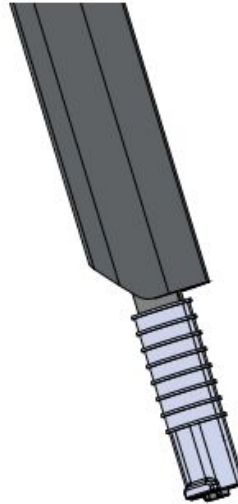
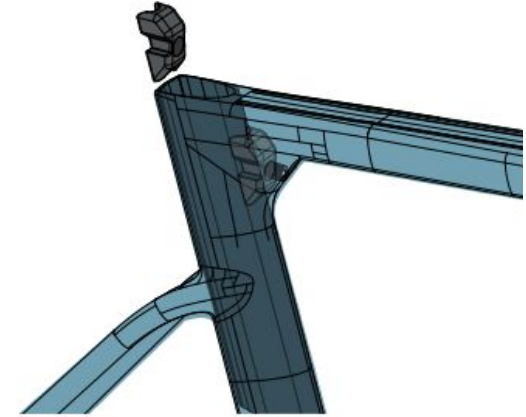
- Attach seat to post, applying carbon compound to the lower saddle clamp/carbon seat post head
- All bolts should be lightly greased
- Tighten clamp down to 7Nm, or the saddle manufactures recommendation

1-4

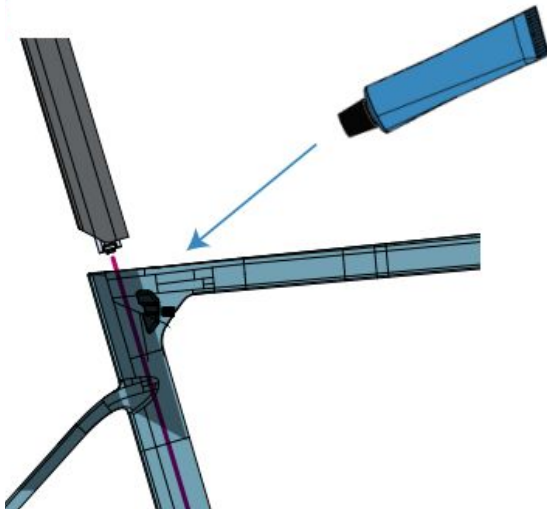
Place the battery holders around the Di2 battery. The male shell grooves must match with the female battery groove.

1-5

Insert battery into seatpost

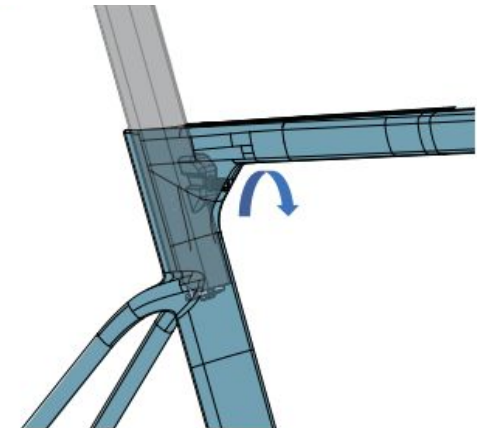
**1-6**

Insert the seat post clamp into the frame. Note: you may find it easier to keep this from falling down into the frame if you coat it in carbon prep compound, and/or tilt the frame downwards

1-7

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

Note: Your Factor frame set requires a minimum of 90 mm of seat post 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.

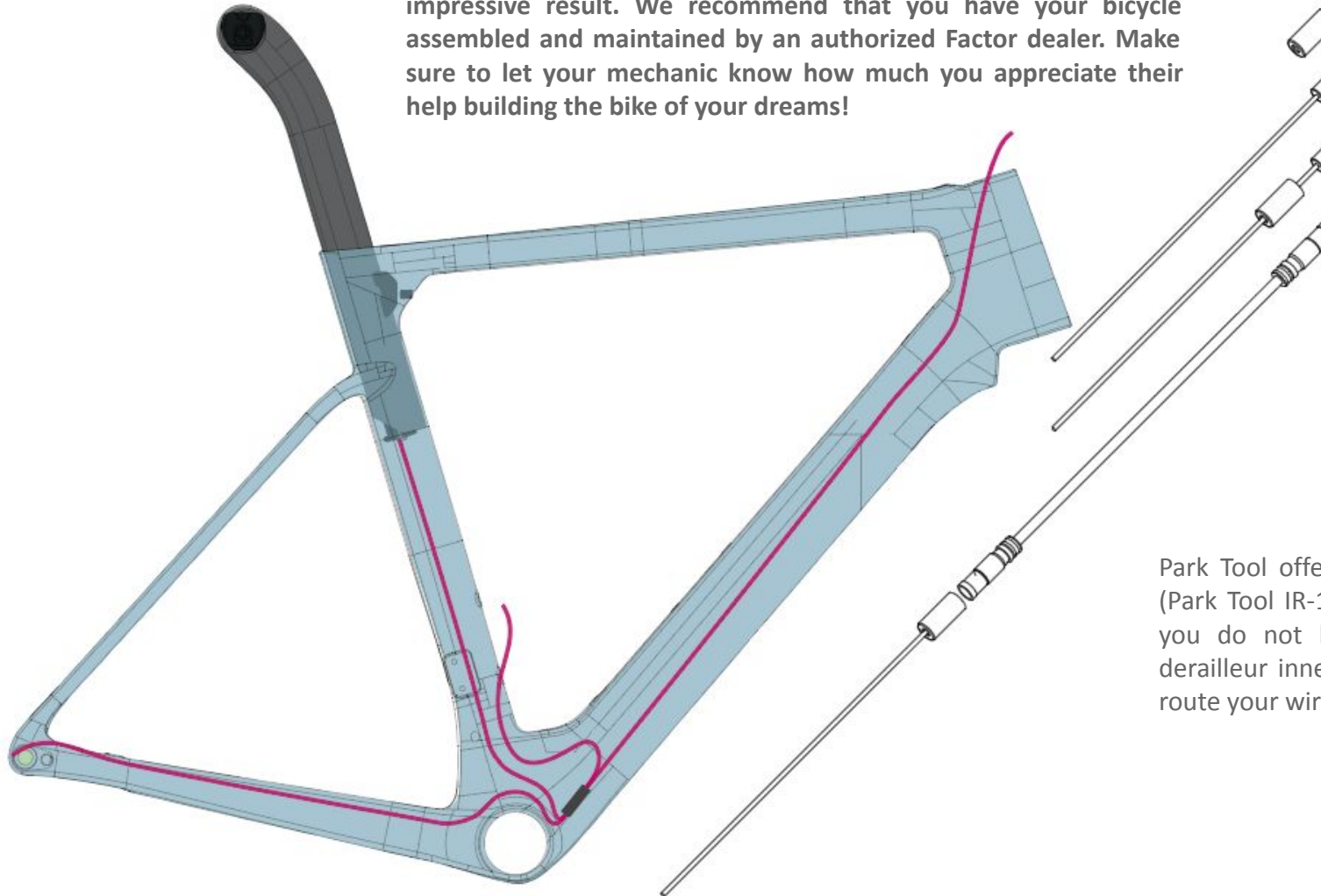
1-8

Secure the seat post by carefully tightening the grub screw to **8Nm**

3-1 Di2 Cable Routing

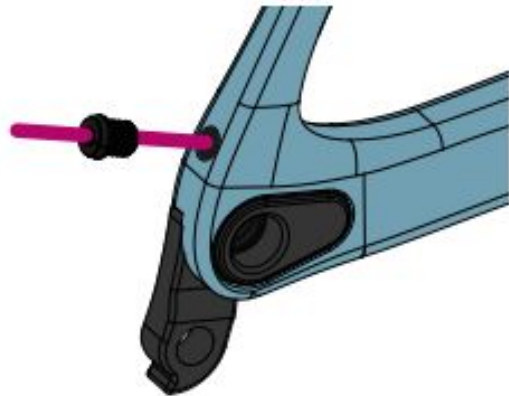
Di2 cable routing overall view

Note: Similar to a Formula 1 car your Factor OSTRO Gravel 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!



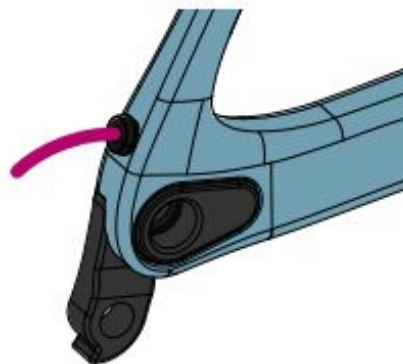
Park Tool offers an excellent internal cable routing kit (Park Tool IR-1) to help you easily route your cables. If you do not have access to this kit you can use a derailleur inner wire and a 5mm metal cable ferrule to route your wires.

3-2



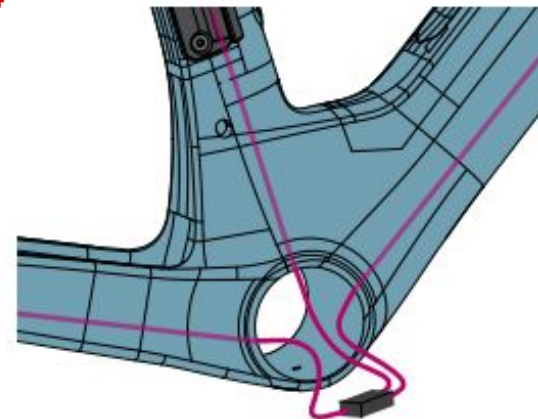
Route the rear derailleur Di2 cable through the chainstay.

3-2



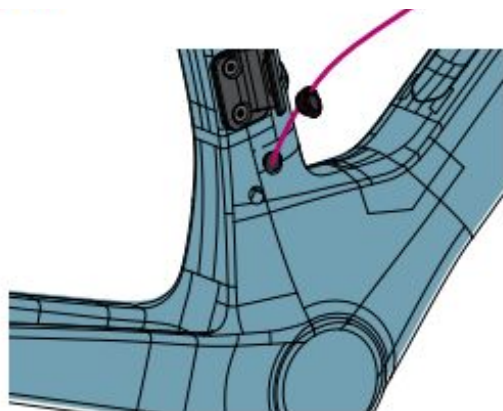
Install Di2 cable grommet.

3-4



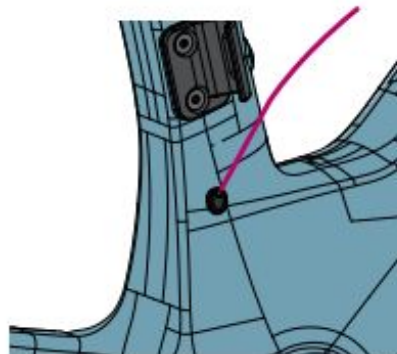
Connect to the Di2 Junction B

3-5



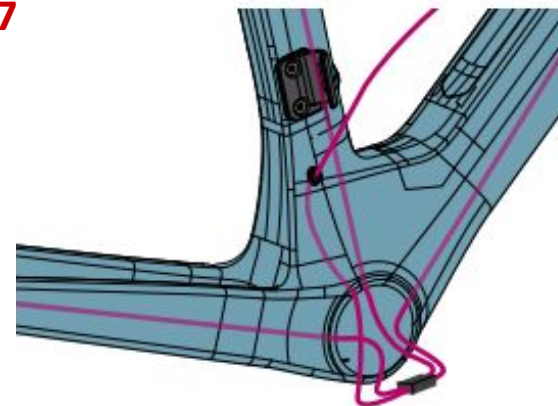
Route the front derailleur Di2 cable through the seat tube hole to the bottom bracket exit port.

3-6



Install Di2 cable grommet.

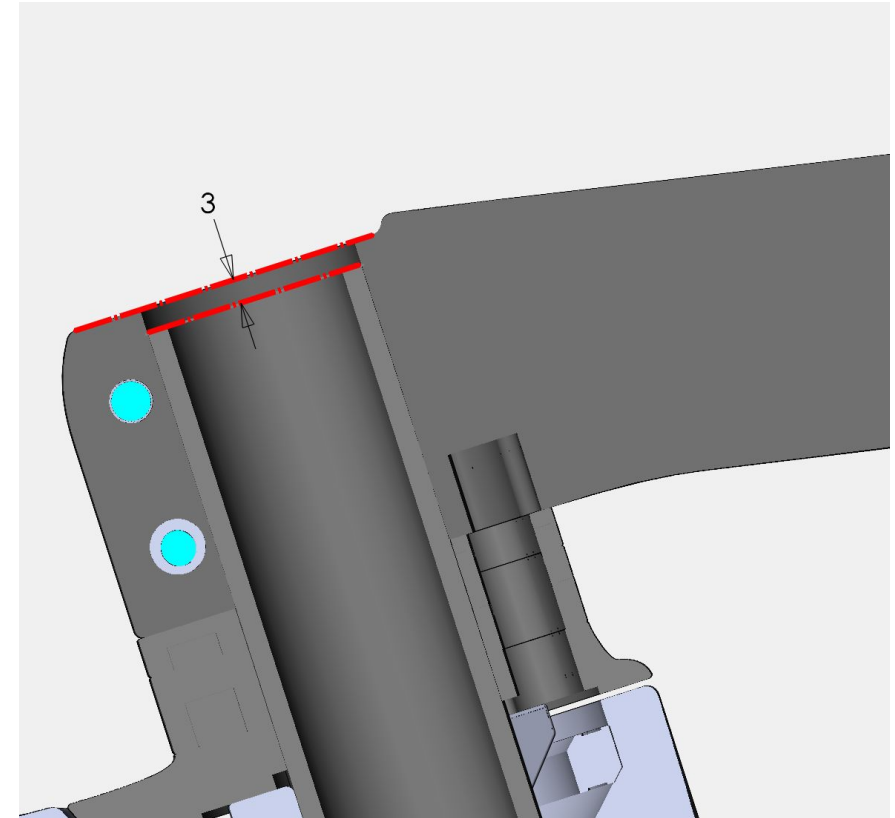
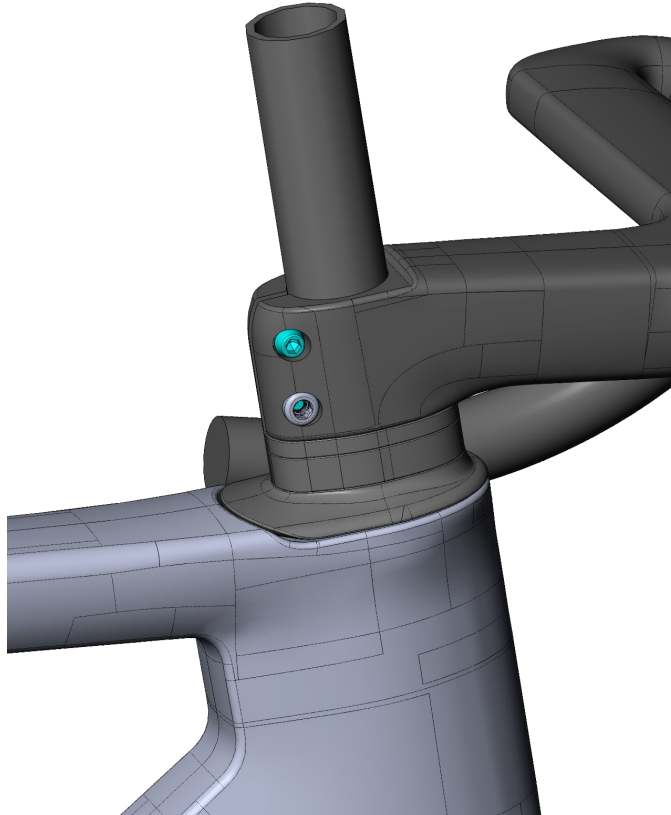
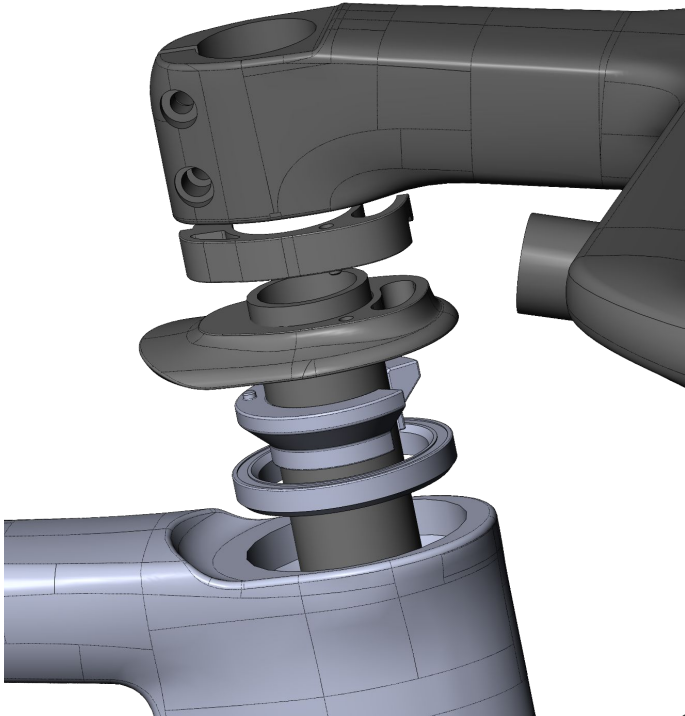
3-7



Connect to the Di2 Junction B

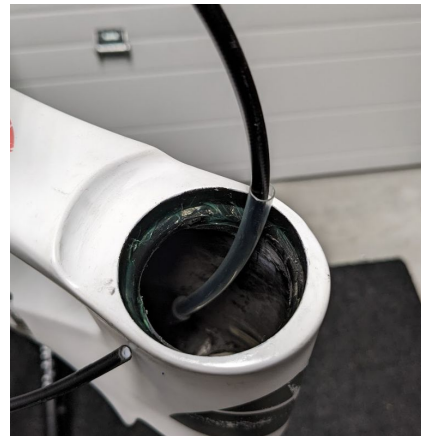
3-2 Cutting the steerer

- Assemble your preferred quantity of spacers, as well as the HS assembly, dry-fitting this arrangement onto the uncut steerer tube
- Hand tighten the assembly to remove any play. Mark the steerer tube at 3mm lower than the top of the stem area
- Carefully cut the steerer using a Park SG-6 or similar steerer cutting guide using a sharp fine tooth hacksaw blade. Carefully remove any burrs around the cut steerer by lightly sanding the area.



Hose routing

- Install rear brake and fish hose through the frame and out the headset
- install the anti rattle rear brake hose foam sleeve
- Insure that the clear plastic anti wear guard portion of the anti rattle hose covering is adjacent to the head tube to shield the brake hose from the steerer rotation



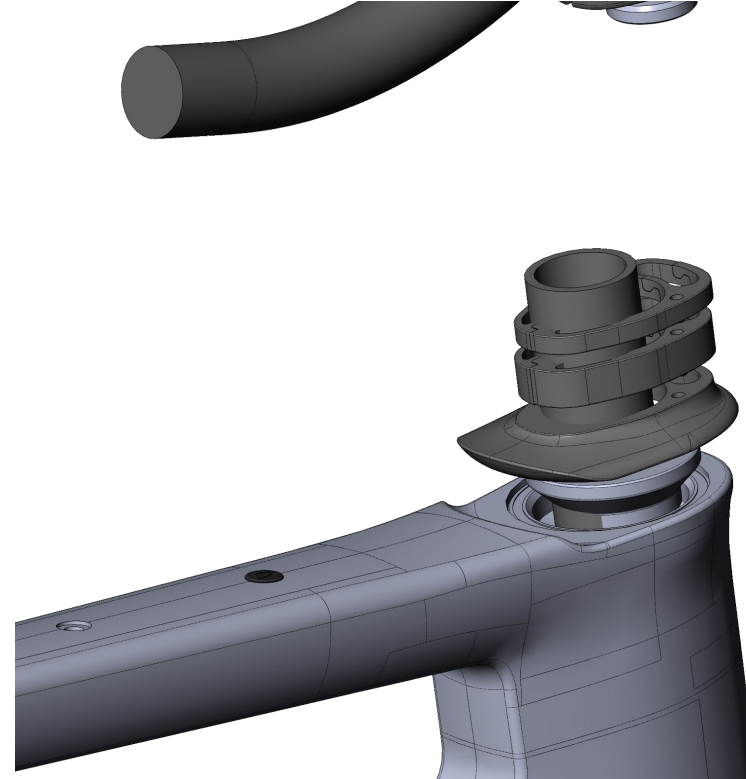
Hose routing

- Attach front brake to fork and route hose through the molded opening
- Lightly grease lower bearing seat and install bearing over top of the hoses, repeat this process at the upper bearing and install the fork.
- Continue to assemble the rest of the headset components, ensuring the hoses are not pinched when putting the centering ring in place
- Finally install the dust cover while carefully routing the hoses through the opening.



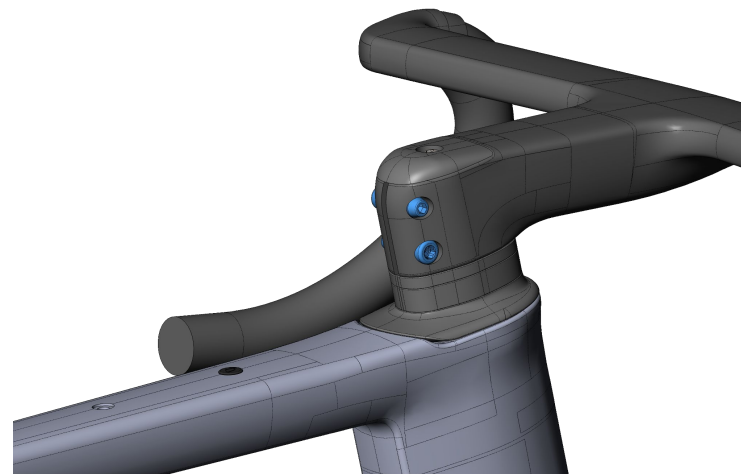
Hose routing

- Route hoses through the bars at the opening, and pull the hoses out the brake lever locations.
- Lightly grease lower bearing seat and install bearing over top of the hoses, repeat this process at the upper bearing and install the fork.
- Continue to assemble the rest of the headset components, ensuring the hoses are not pinched when putting the centering ring in place
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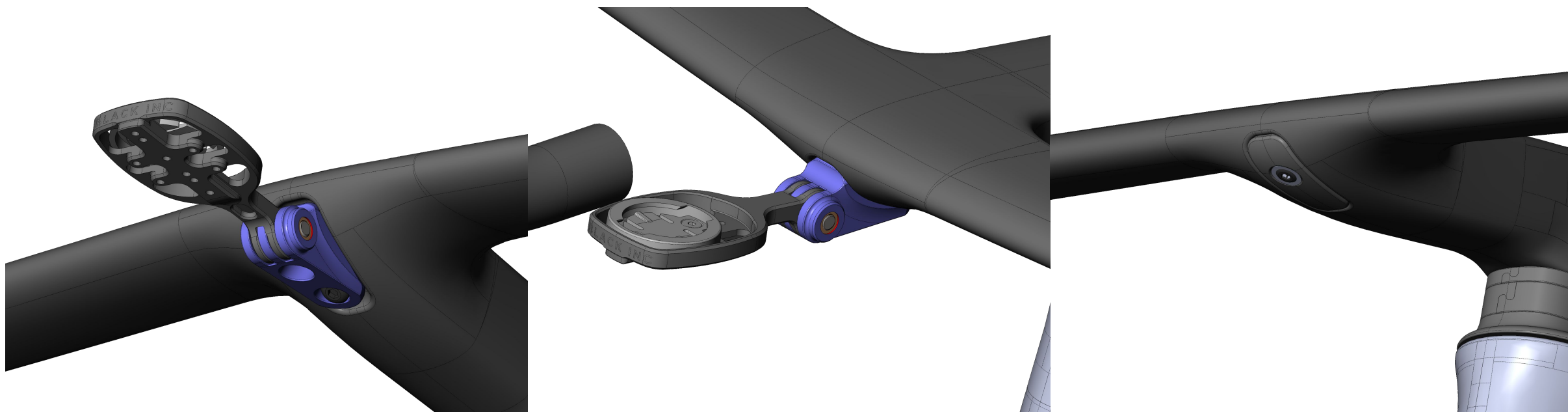
Bar mounting

- Install compression plug, applying assembly compound between the compression plug and the steerer tube. Tighten to **8Nm**.
- Lightly grease the compression cap screw and install, tightening until the bearing preload increases to remove any play in the system.
- Lightly grease stem bolts then apply counteracting 4 and 5mm head sockets, measuring the torque on the bolt side and tightening to **5.2Nm**



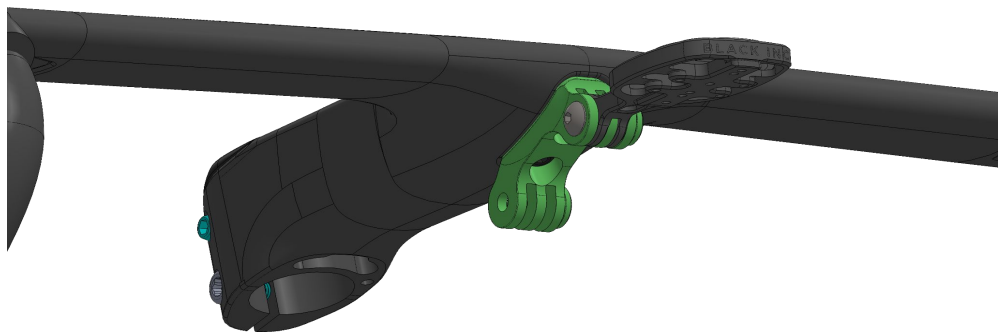
FDM

- If you are using a front derailleur, install the mount as shown, tightening to 3Nm.
- If you aren't using a Front Derailleur mount, look for the supplied blanking plate and attach with a single screw.



Computer mount cont.

- If you are using the double go pro mount, use the two supplied screws to install it.
- If you are using accessories, be sure to follow the manufacturer's instruction. Combined weight of the two
- combined weight of the two components should not exceed 300g



Black Inc GoPro Computer Mount

- If you wish to add other accessories, the second rearward double GoPRO mount works to keep the weight of those accessories towards the center of the stem, reducing the moment arm about which the weight acts, minimizing the risk of breakage or shifting.



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