Valid for MY2021 Nitrogen Disc 340A/340B
Revision 1.0 - 09.29.2020


HUNT
ARGON 18
ULTEGRA

My Nitrogen Disc

Date of purchase: _____

Retailler: _____

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: Bearing Cup Press (Park Tool HHP-2)
2: Allen Key Set
3: Grease
4: Utility Pick Set (Park Tool Item #UP-SET)
5: Clean Rags
6: Derailleur Hanger Alignment Gauge (Park Tool Item #DAG-2 or #DAG-2.2)
7: Cables and Housing Cutter
8: Carbon Paste
9: Loctite #242
10: Torque Wrench

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

1: Spare rear derailleur hanger assembly
2: Seat post collar

(Direct mount option if utilized)

80802

80832

BEFORE ASSEMBLING YOUR NEW NITROGEN DISC, MAKE SURE THAT YOU HAVE ALL THE FOLLOWING:

1: Frameset parts checklist (see p.6-7)
2: Inspect the frame for cosmetic aspect (scratches, bumps, cracks, paint defect, etc.)
3: For reference, check serial number and write it on p.3
4: All the necessary bolts (refer to Frameset Parts, p.6-7)
5: For optimal shifting performance, use a dropout alignment gauge to make sure that the drive-side dropout is straight (p.12)

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	Tork Nm	Detail
Front derailleur hanger	Screw (2)	5mm	4Nm	Loctite
Rear derailleur hanger	Screw	4mm	2Nm	Loctite
Bottle cage	Screw (4)	5mm	3Nm	Grease
Bottom bracket cable guide	Screw	5mm	1.5Nm	Grease

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.

No.	Name	Assembled on	A18 SKU#	Qty
	Parts already assembled			
8	Rear Derailleur Hanger (incl. dropout, screw)	Frame	80802	1
6	Front Derailleur Hanger (incl. screws)	Frame	38882	1
9	BB Cable Guide (incl. screw)	Frame	38885	1
7	Bottle Cage Screws	Frame	38884	4
	Parts			
1	Nitrogen Disc Frame	-	-	1
2	Nitrogen Disc Fork	-	FK.NITD.340A FK.NITD.340B	1
3	Nitrogen Disc Seat Post Assembly	-	SP.NIT_D.286A	1
10	BB Cover (incl. screw)	Frame	38260	1
11	Seat Clamp Base (incl. screw)	Frame	80478	1
12	Seat Clamp Wedge (incl. screw)	Frame	80477	1
13	Di2 Cable Grommet	Frame	38888	1
16	Headset (Token or FSA ACR)	Fork	Token: 81300 / FSA: 81299	1
20	Internal Di2 Battery Support	Seat Post	38757	1 Set
24	Direct Mount Rear Derailleur Hanger	Frame	80832	1
25	DT Swiss RWS Thru-axle FRONT 12 x 119mm	Fork	80812	1
26	DT Swiss RWS Thru-axle REAR 12 x 161mm with handle	Frame	80813	1
28	Oblong Cable Guide	Frame	80551	1
32	Foam liner for housing	Frame	80811	2
33	LONG GROMMET MECH	frame	80985	1
34	Long plug	frame	80804	1
35	Long Grommet DI2	frame	80805	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.

1. Apply a drop of blue threadlocker (medium strength) 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 Nitrogen's seat clamp is not the same as the Tri bikes

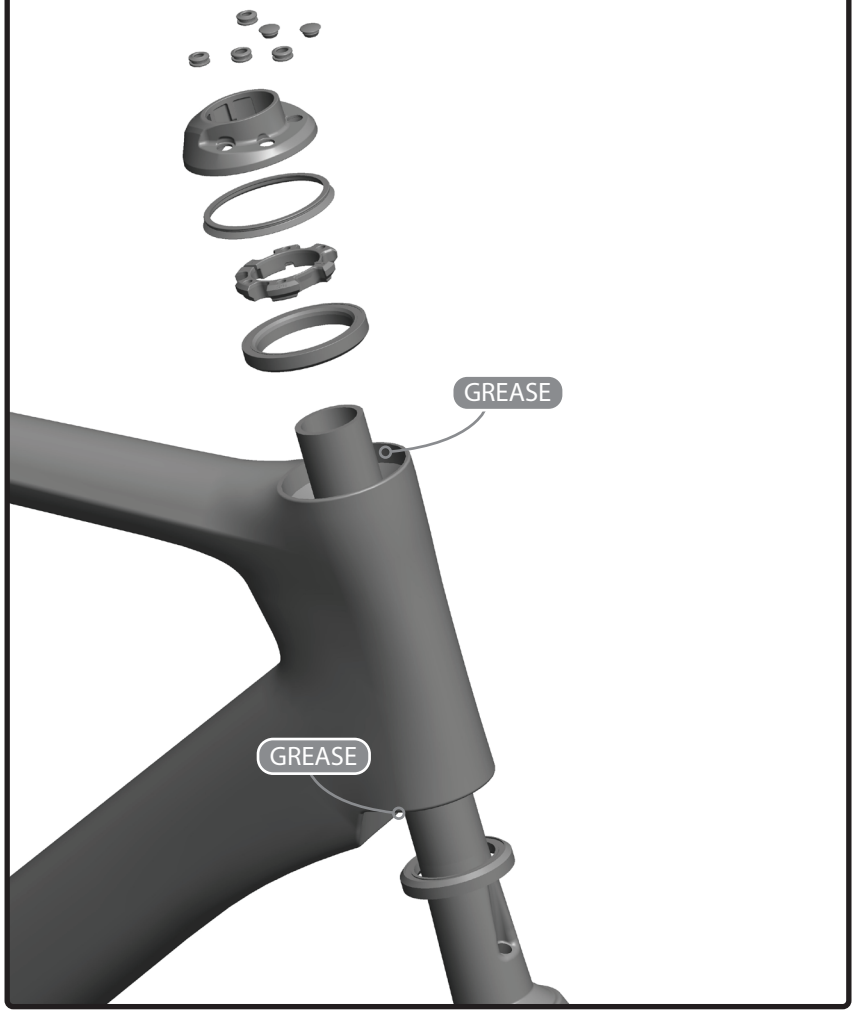
1. Install the saddle on the rocker (3.4) and tighten the rail clamp (3.3) up to 6Nm with M5 screw (3.10).

2. Adjust the angle and the offset of the saddle by hand tightening the thumb screw (3.8).

3. The rocker (3.4) can be flipped to change the saddle offset (+ / - 5mm).

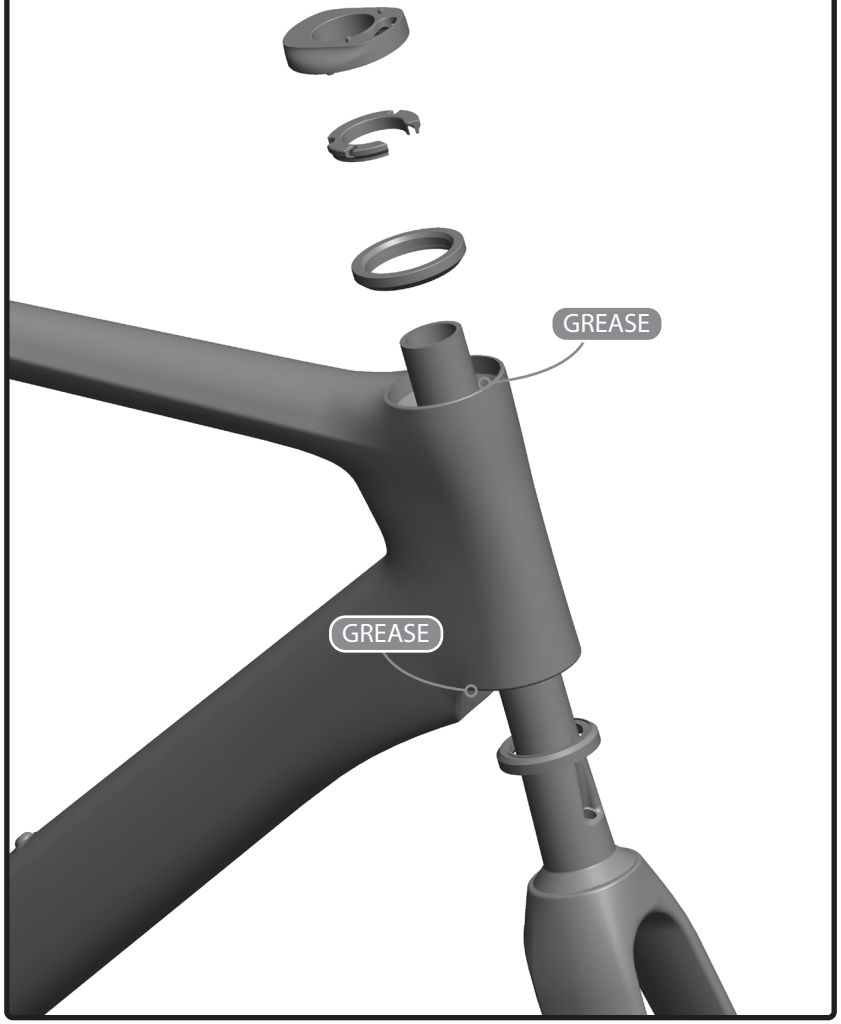
Token headset assembly

For Token assembly, FSA TH-881 compressor or any equivalent must be purchased separately



FSA ACR headset assembly

For FSA ACR assembly, FSA TH-894/CR-1 Compressor Pro must be purchased separately.



IMPORTANT: No more than 30mm of spacers can be placed between the stem and the top cap. The steerer must be trimmed no more than 5mm above the stem. The use of more than 5mm of spacers above the stem could void the efficiency of the compressor and void the warranty.

The front derailleur hanger (6) can be adjusted according to the front derailleur angle to get an equal curve between the derailleur and the big chain ring. Once at the right angle, use threadlocker (medium strength) and screw both screws in at 4Nm.

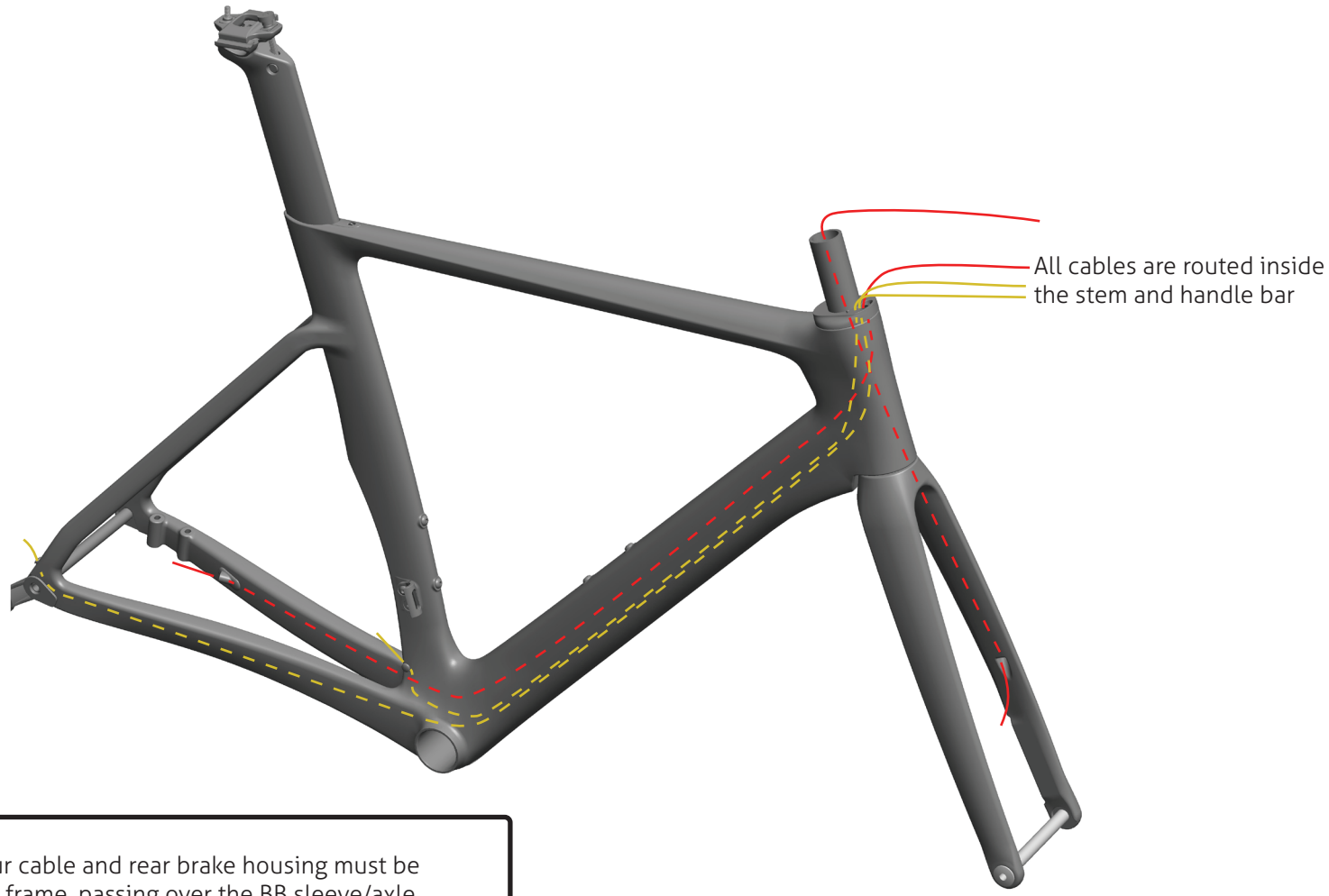
1. Select the correct rear derailleur hanger depending on the type of derailleur that you have.

   - Direct mount (24)
   - Regular mount (8)

2. Make sure to align the rear derailleur hanger.

3. Use Derailleur Hanger Alignment Gauge like Park Tool Item #DAG-2.

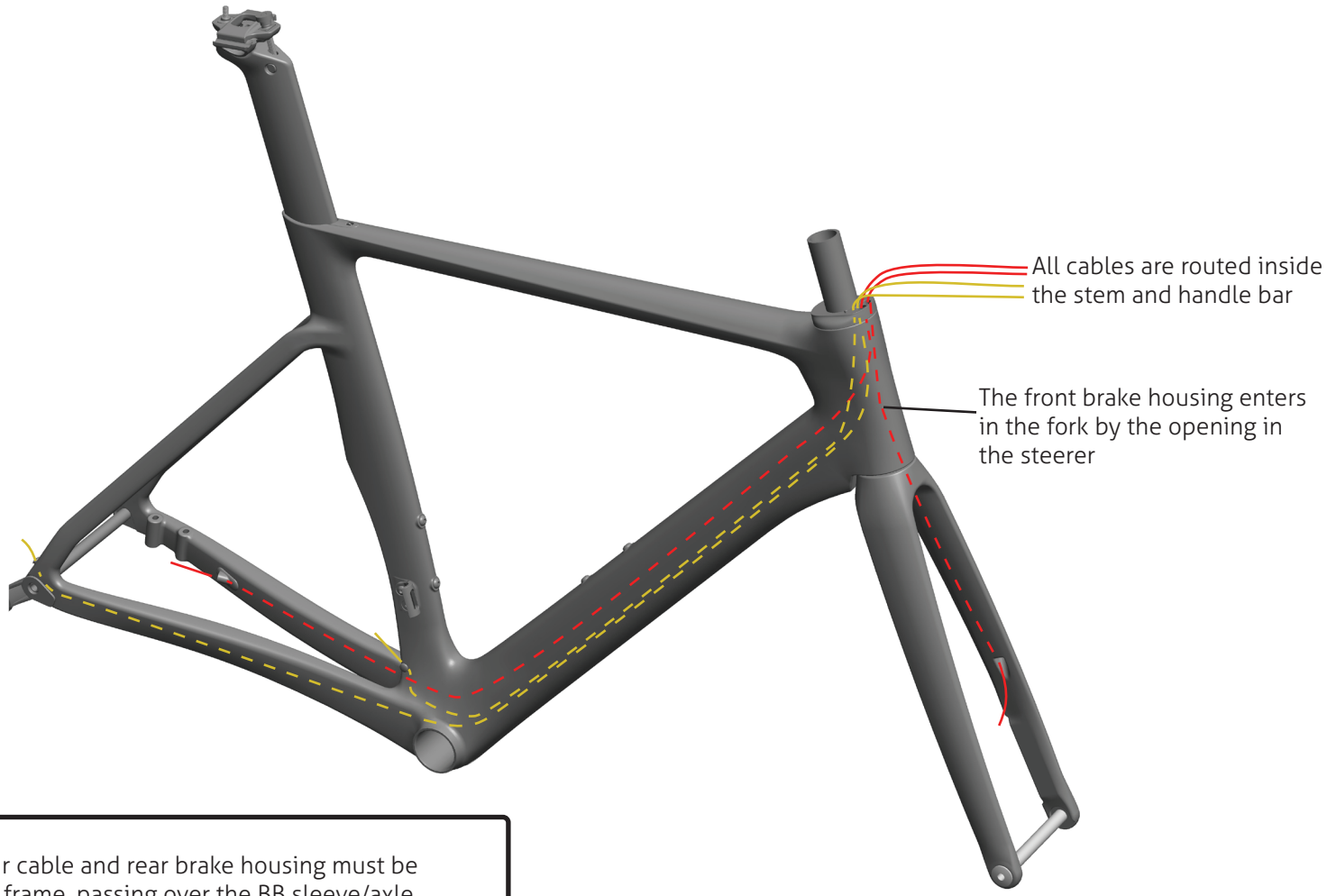
For any assistance, visit Park Tool's website:
www.parktool.com/product/derailleur-hanger-alignment-gauge-dag-2



Red line: *brake hoses* / *Yellow line:* *derailleur cable/housing*

The rear derailleur cable and rear brake housing must be routed inside the frame, passing over the BB sleeve/axle.

Use the foam liner over the housings in the DT to avoid rattling sound while riding.



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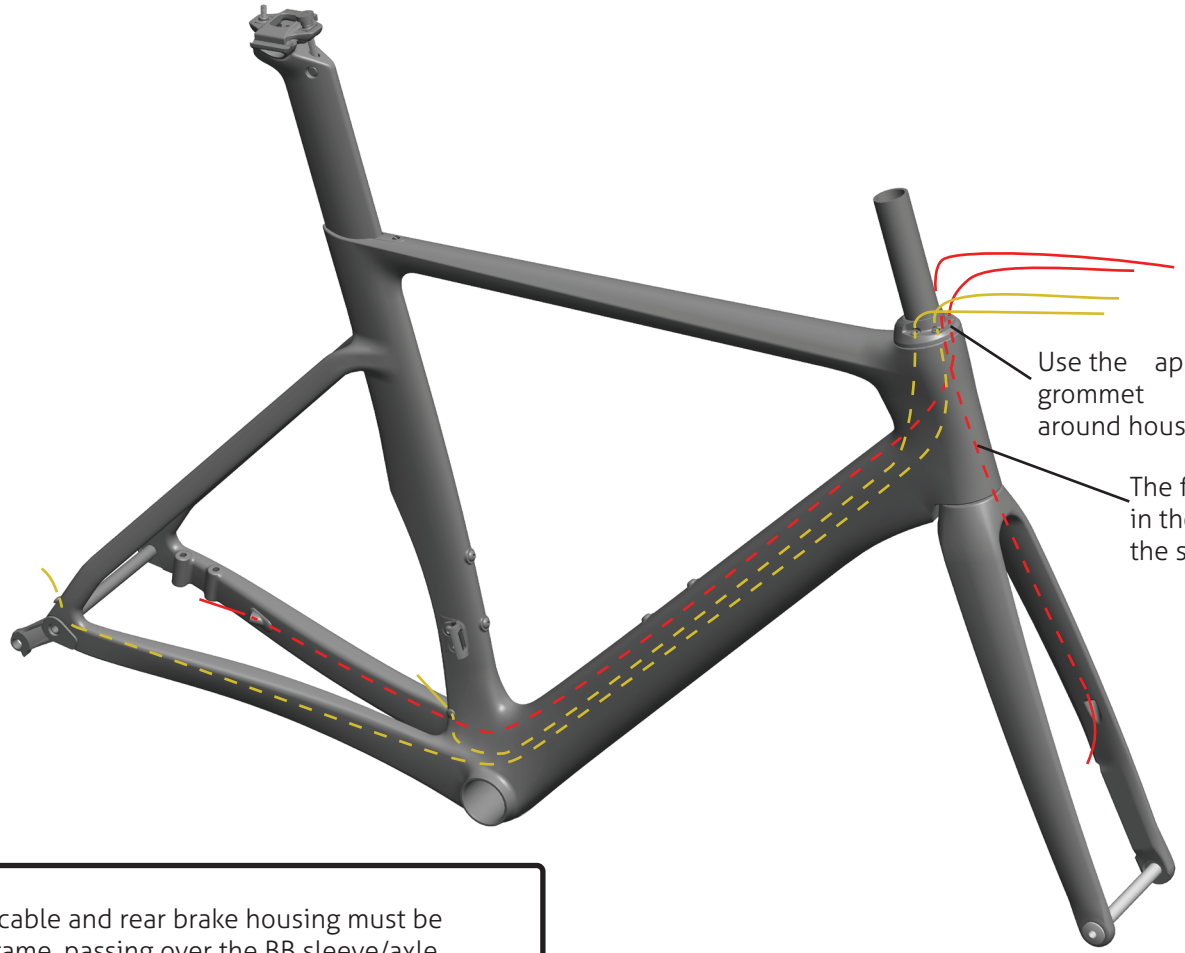

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The rear derailleur cable and rear brake housing must be routed inside the frame, passing over the BB sleeve/axle.

Use the foam liner over the housings in the DT to avoid rattling sound while riding.

Note:
It's better to install the cable housing before installing the bottom bracket and crankset.

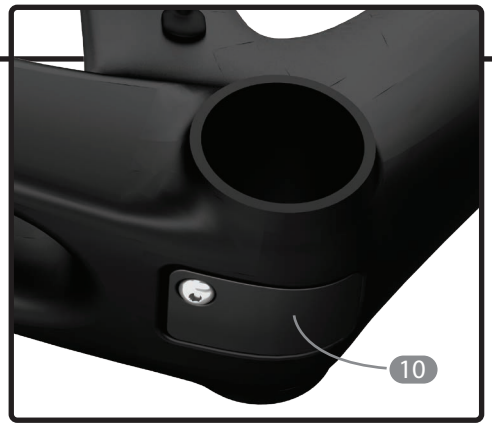
Rear derailleur: Pass the cable housing inside the frame starting at the rear derailleur hanger until it comes out the top tube.

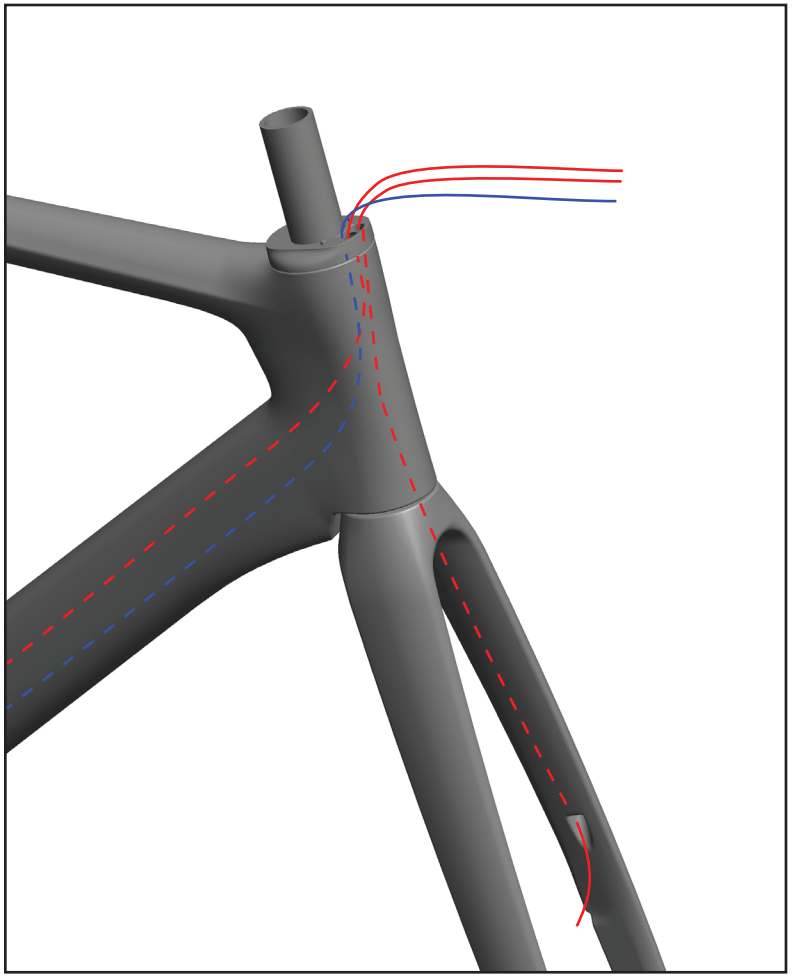
Front derailleur: Remove the cable guide (9) under the bottom bracket. Pass the cable housing inside the downtube until it comes out the top tube.

Add a plastic cap at the end of the housing, pass the rear derailleur cable inside the housing and fix the cable guide under the bottom bracket with the 5mm screw (1.5 Nm).

For a Di2 configuration, use the bottom bracket dedicated cover (10) for electric shifting.

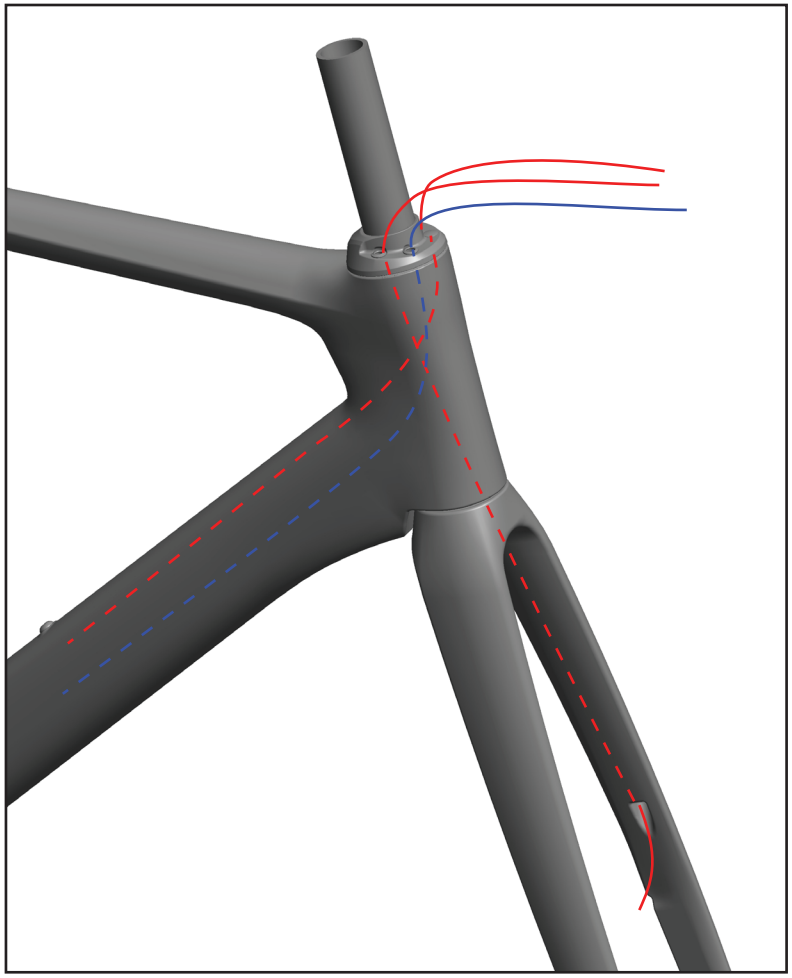
Secure the brake hose with the Oblong Cable Grommet (28) on the chain stay.





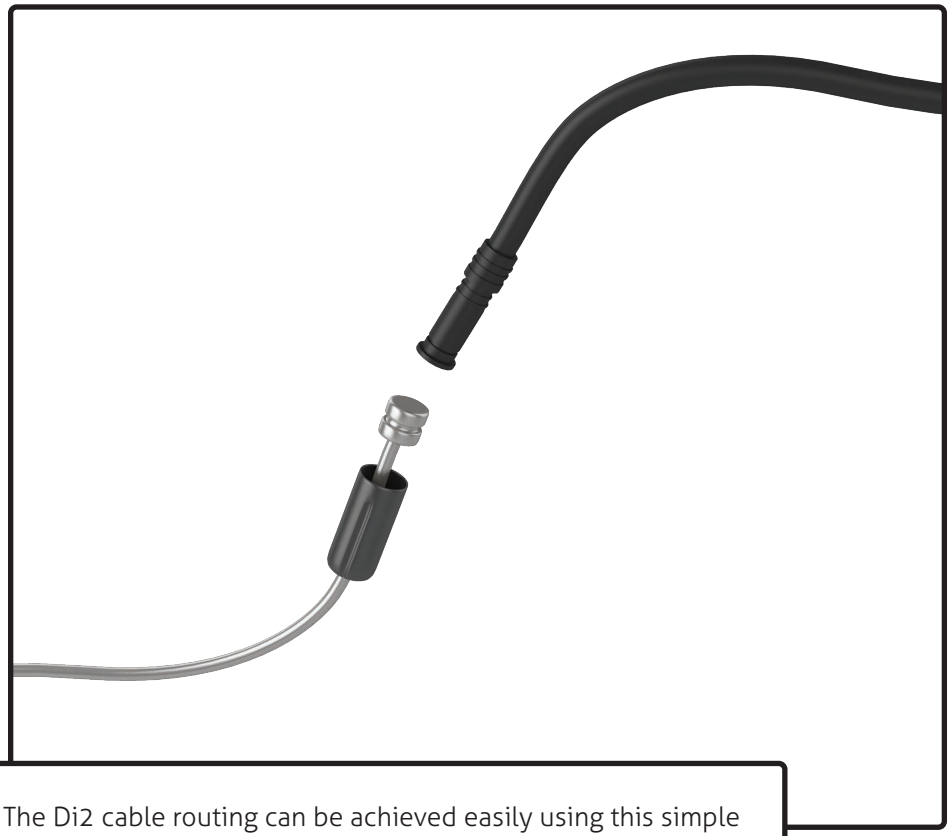
For FSA ACR headset and stem

- All cables are routed inside the stem and handle bar
- the front brake hose enters the fork by the opening in the middle of the steerer
- Make sure to not pinch the Di2 cable



For Token headset

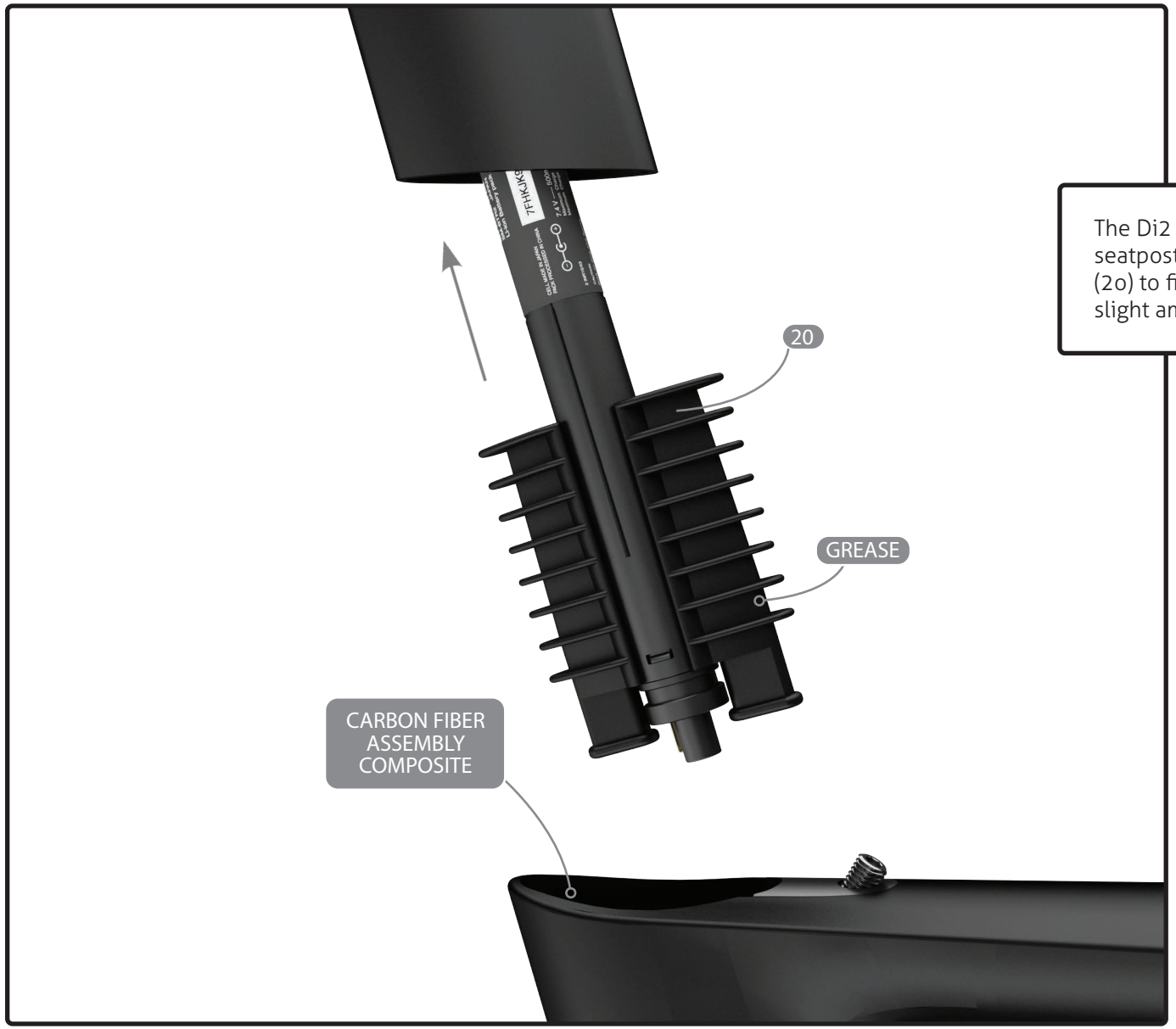
- Di2 cable and brake hoses a routed through the top cap using the appropriated grommets to seal the holes.
- the front brake hose enters the fork by the opening in the middle of the steerer
- Make sure to not pinch the Di2 cable



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.

When using an electronic drive-train, use the grommet (13) to fix the front derailleur cable.

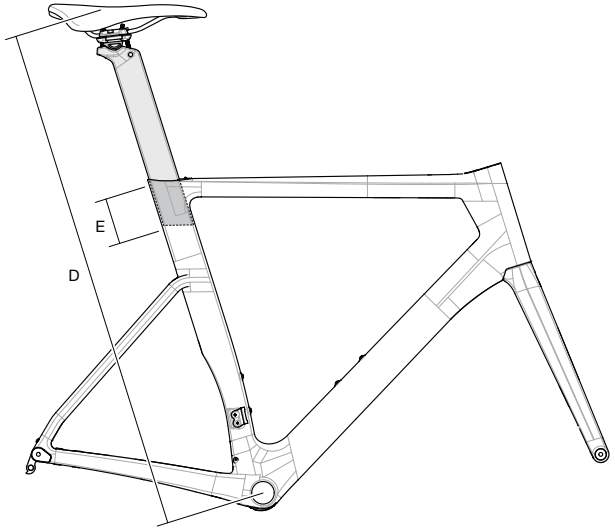
Use the Long Grommet DI2 (35) to secure the rear derailleur Di2 cable in the chain stay hole.

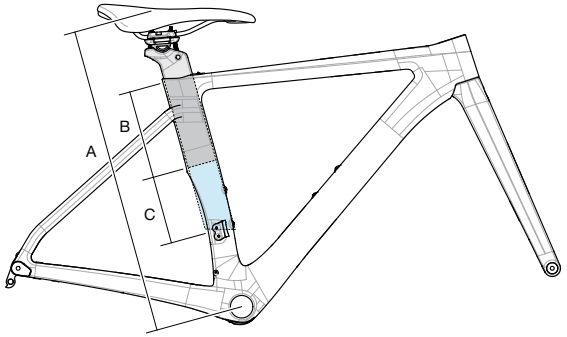


The Di2 battery is hidden in the seatpost; use the Di2 battery holder (20) to fix the battery correctly. Apply a slight amount of grease on both parts.

In the wireless groupset configuration, use the Round Plug (34) to plug the chain stay hole.

5. Min/Max Seat Post insertion





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-Nitrogen Frame
- The required minimum SeatPost Cut length is: 135 - (600-530) = 65mm

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

Saddle Height Limits			**Nitrogen Disc**		
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	530	165	135	750	80
Small	585	220	80	805	80
Medium	615	200	100	835	80
Large	665	300	0	885	80
X-Large	695	300	0	915	80