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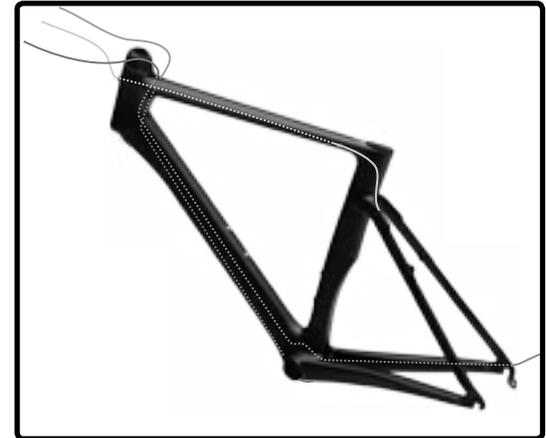
For the warranty to be valid, the bicycle must be fully assembled by an authorized Argon 18 dealer. High end components, particularly carbon parts, need extra care when assembled. Those components must be installed using a calibrated torque wrench to make sure every bolt is at the right torque setting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



1. Frame inspection

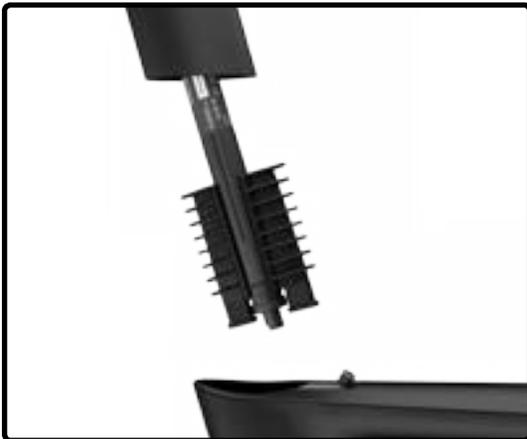


2. Headset installation



3. Cable housing installation

IMPORTANT NOTICE: It is easier to install the cable housings before the bottom bracket, crank & fork.



4. Electronic drive train specification



5. Front brake installation



6. Rear brake installation



7. Seatpost installation



8. Seatpost adjustment



9. Derailleur hanger adjustment

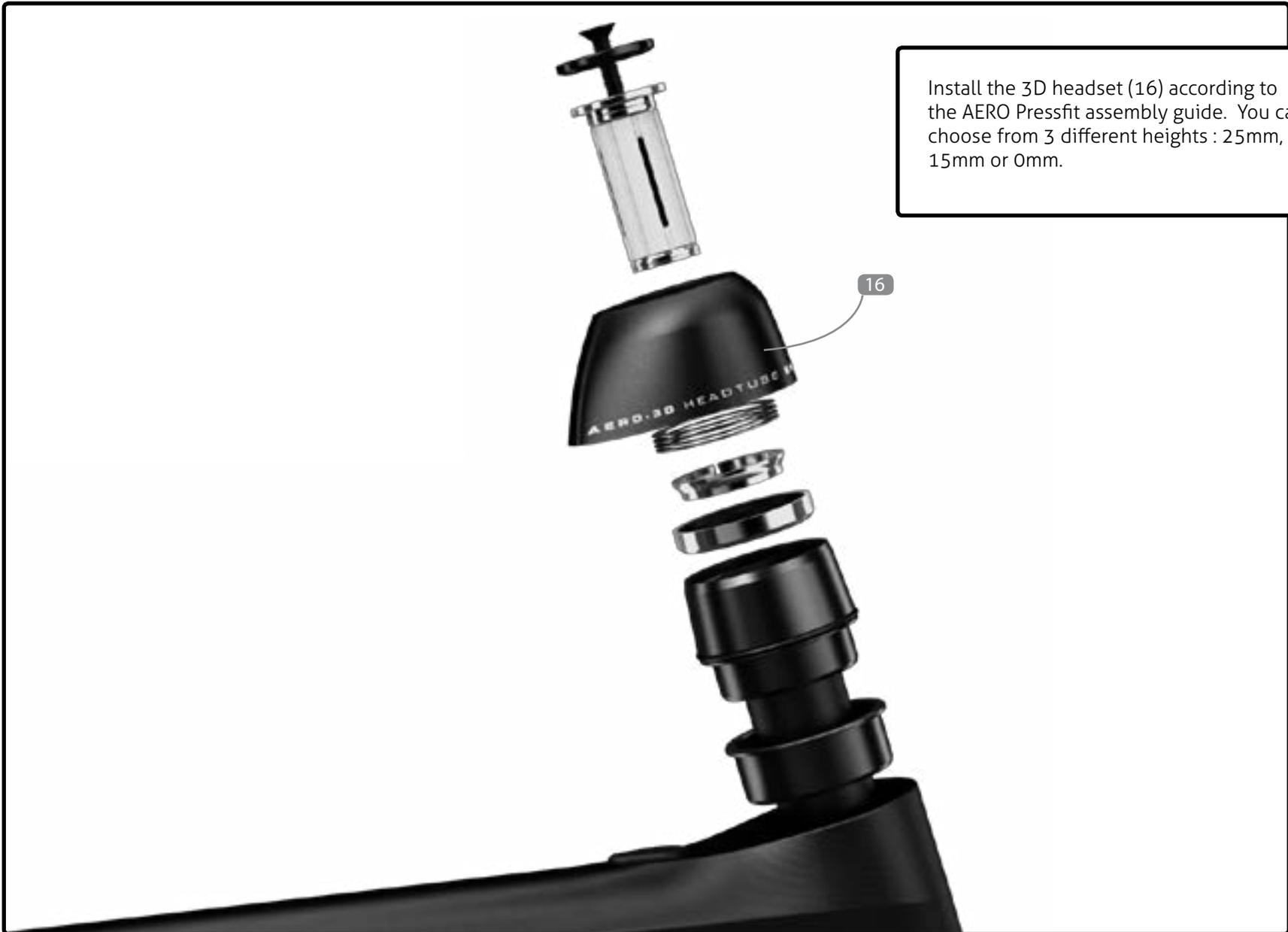


10. Parts listing



When assembling a new frame, be sure to check if the following parts are assembled correctly.

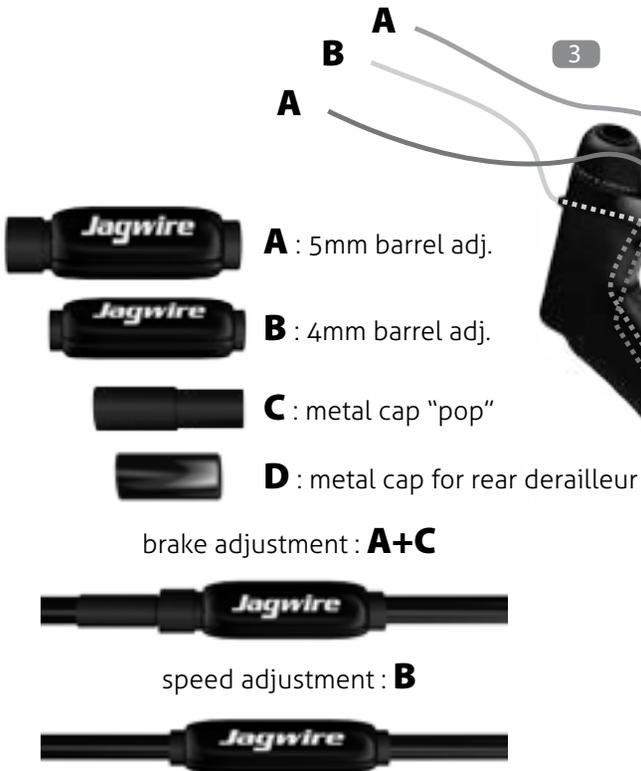
	Parts installed on the frame	Description	Screw type	Tork Nm	Detail
1	Front derailleur hanger	Screw (2)	3mm	4Nm	Loctite
2	Rear derailleur hanger	Screw (2)	3mm	4Nm	Loctite
3	Bottle cage	Screw (4)	4mm	3Nm	Grease
4	Bottom bracket cable guide	Screw	5mm	3Nm	Grease



Install the 3D headset (16) according to the AERO Pressfit assembly guide. You can choose from 3 different heights : 25mm, 15mm or 0mm.



brake and speed adjustment



1. Install the rear derailleur cable housing starting at the drive side's drop-out until it comes out in the top tube.
 2. Install the front derailleur cable housing starting under the bottom bracket shell.
 3. Install the rear brake cable housing (see page 8 for details). Use supplied Jagwire housing (KEB).
- Note: For maximum braking performance it is strongly recommended to use the non-compressible jagwire KEB housing (Jagwire 5mmKEB-SL / RCK###).*
- See the table below for the cable housing length suggested.

Suggested lengths of the cable housing

housing/size	XS	S	M	L
Front brake	40cm	45cm	50cm	55cm
Rear brake front section	30cm	35cm	40cm	45cm
Rear brake rear section	20cm	20cm	20cm	25cm
Front derailleur	110cm	110cm	120cm	125cm
Rear derailleur	185cm	190cm	195cm	200cm

2

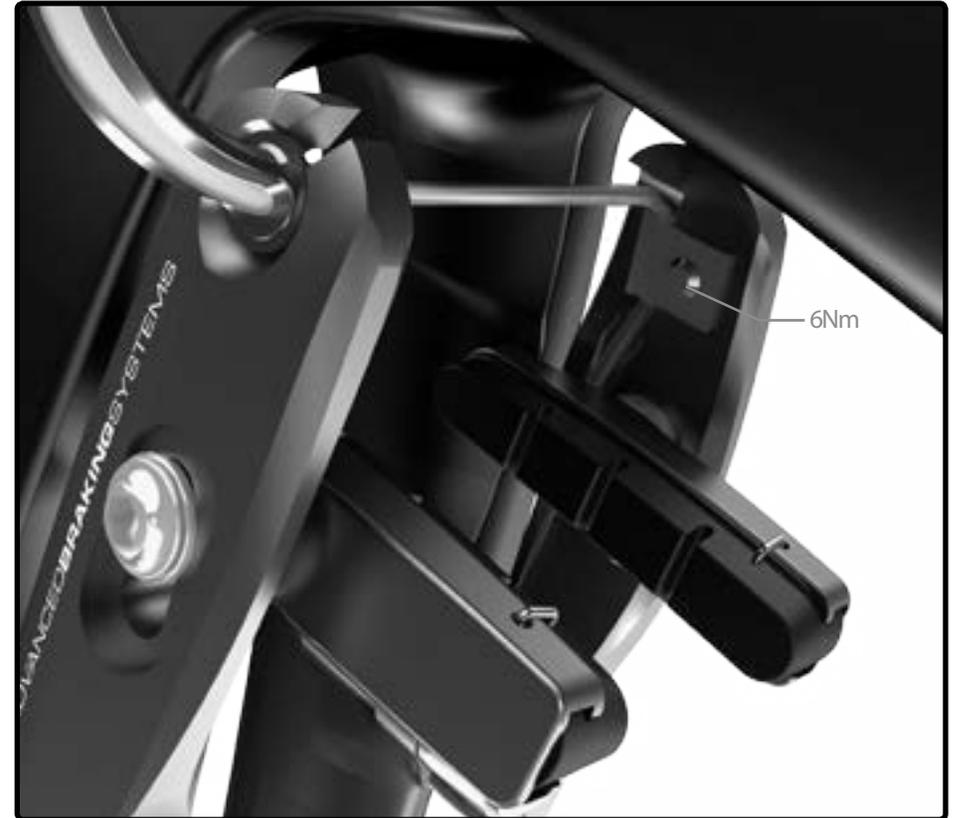
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D

It's better to install cable housing before installing the bottom bracket, crank and fork.

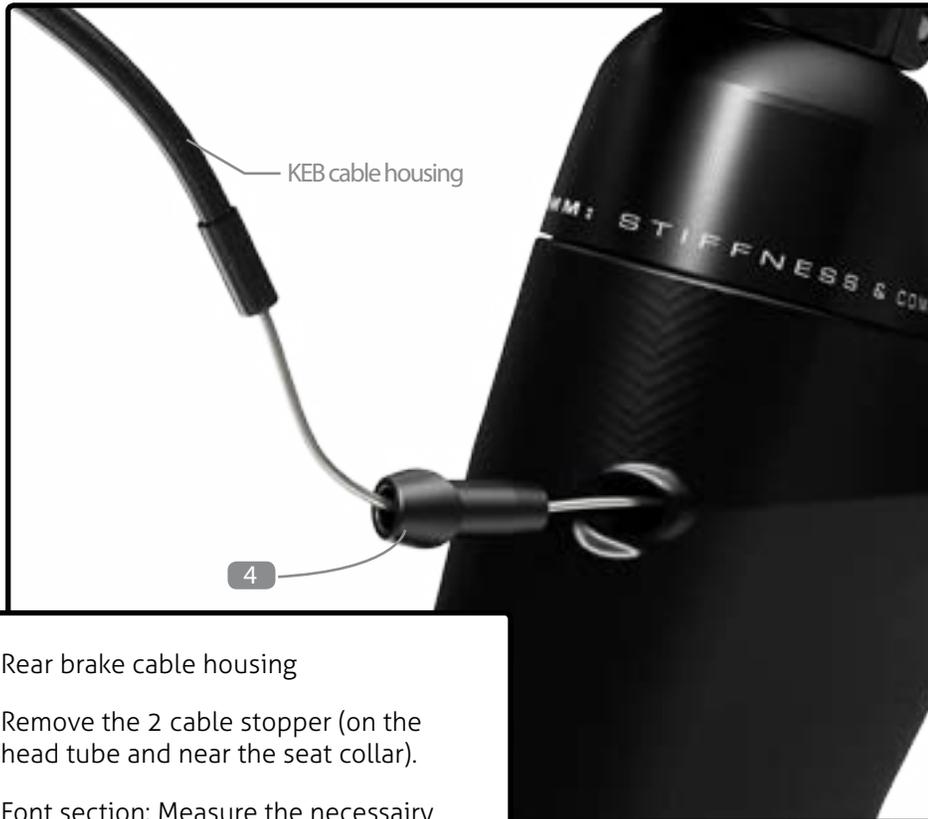


Note: The front brake cable guide (17h) should be front-oriented to ensure good rotation of the handle bar.



Pass the cable through the cable guide (17h).

Create a "hook" with the cable; it will be easier to pass it inside the retainer nut.

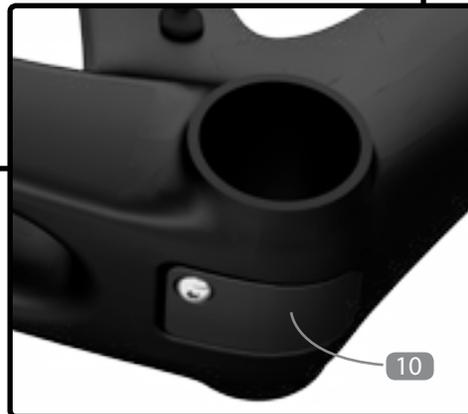


Rear brake cable housing

Remove the 2 cable stopper (on the head tube and near the seat collar).

Front section: Measure the necessary cable housing to ensure proper rotation of the handlebar. Insert the "KEB" cable housing and the cable trough the top tube.

Rear section: With a magnet, get the rear brake cable out of the frame, and pass it through the rear cable stopper. Measure the "KEB" rear housing correctly to avoid interference with the rider's left leg.



It's better to install the cable housing before installing the bottom bracket, crank and fork.

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

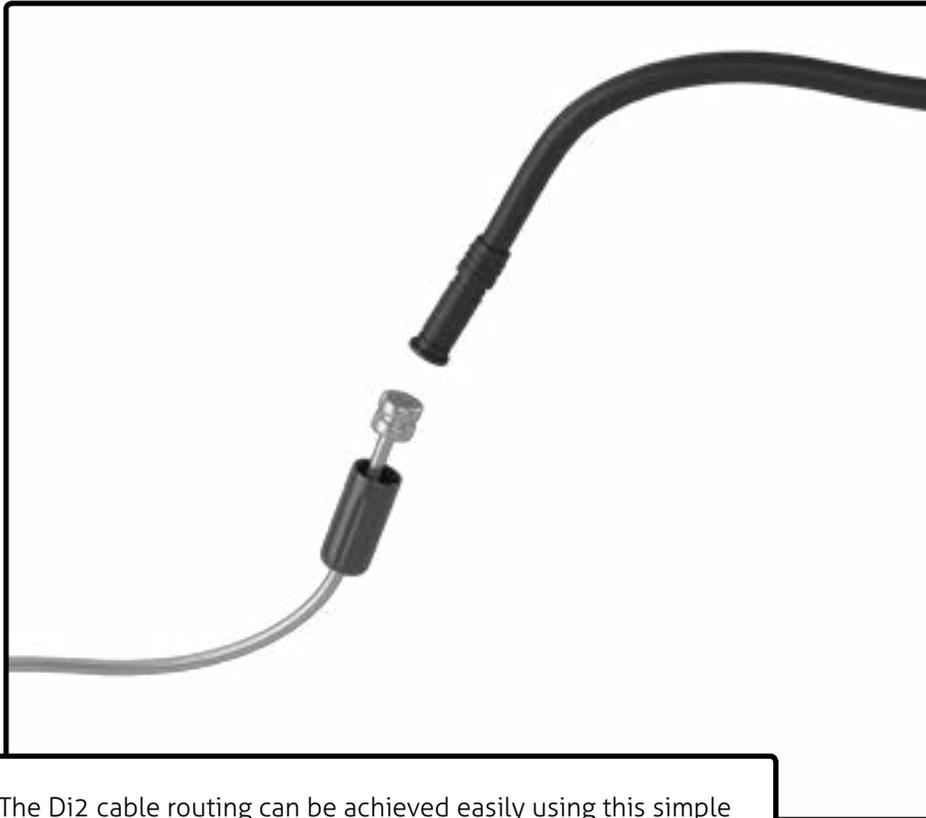
Front derailleur: Remove the cable guide (9) under the bottom bracket. Pass the cable housing inside the downtube until it comes out the top tube.

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.



Use the provided grommet (19) to correctly set the rear derailleur cable in the chainstay (mechanical drive train only).



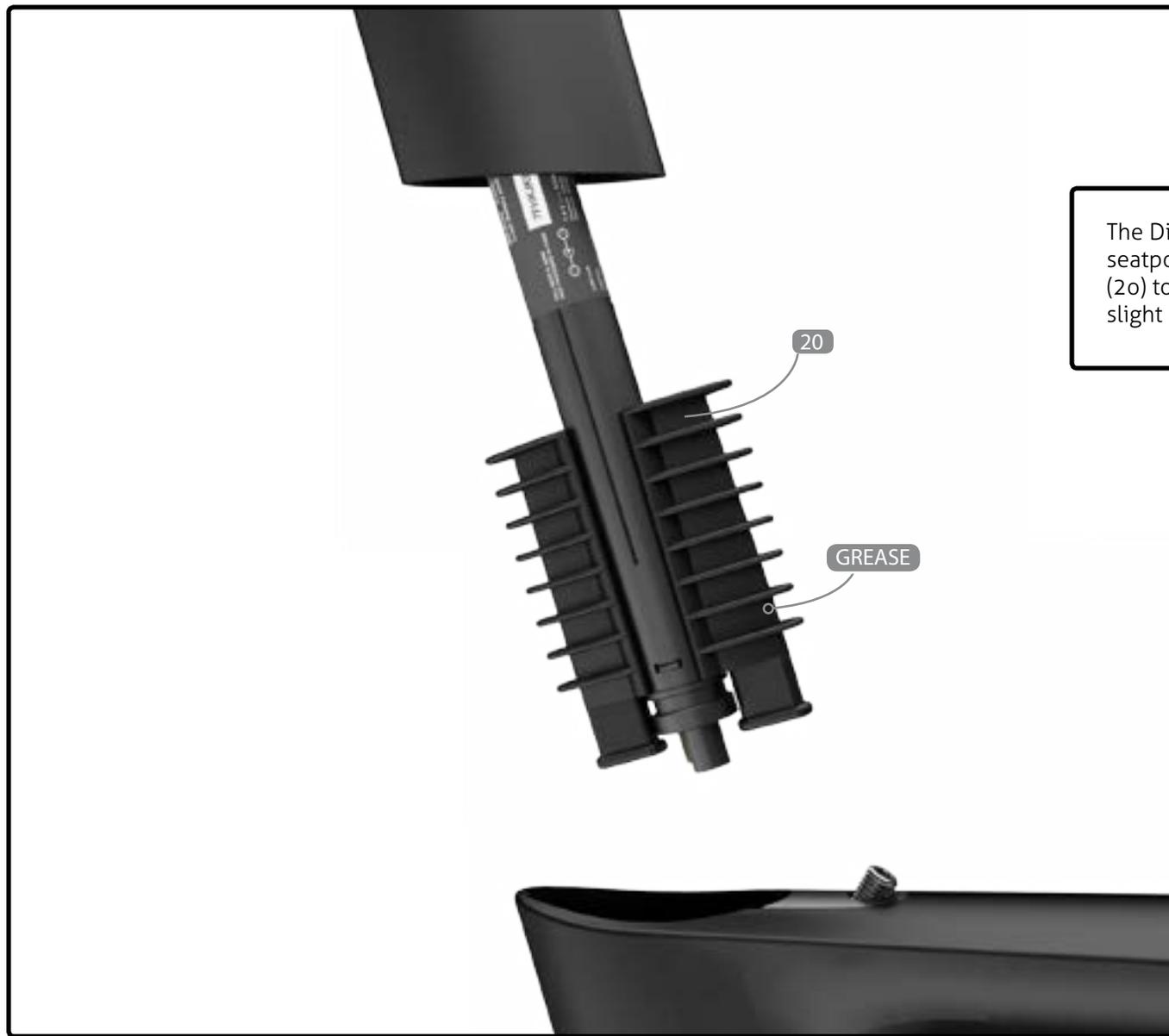
The Di2 cable routing can be achieved easily using this simple trick: use a brake cable and a metal cable end to fix the Di2 cable. For more information on Shimano Di2 electronic system installation, go to : <http://si.shimano.com>.



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



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



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.



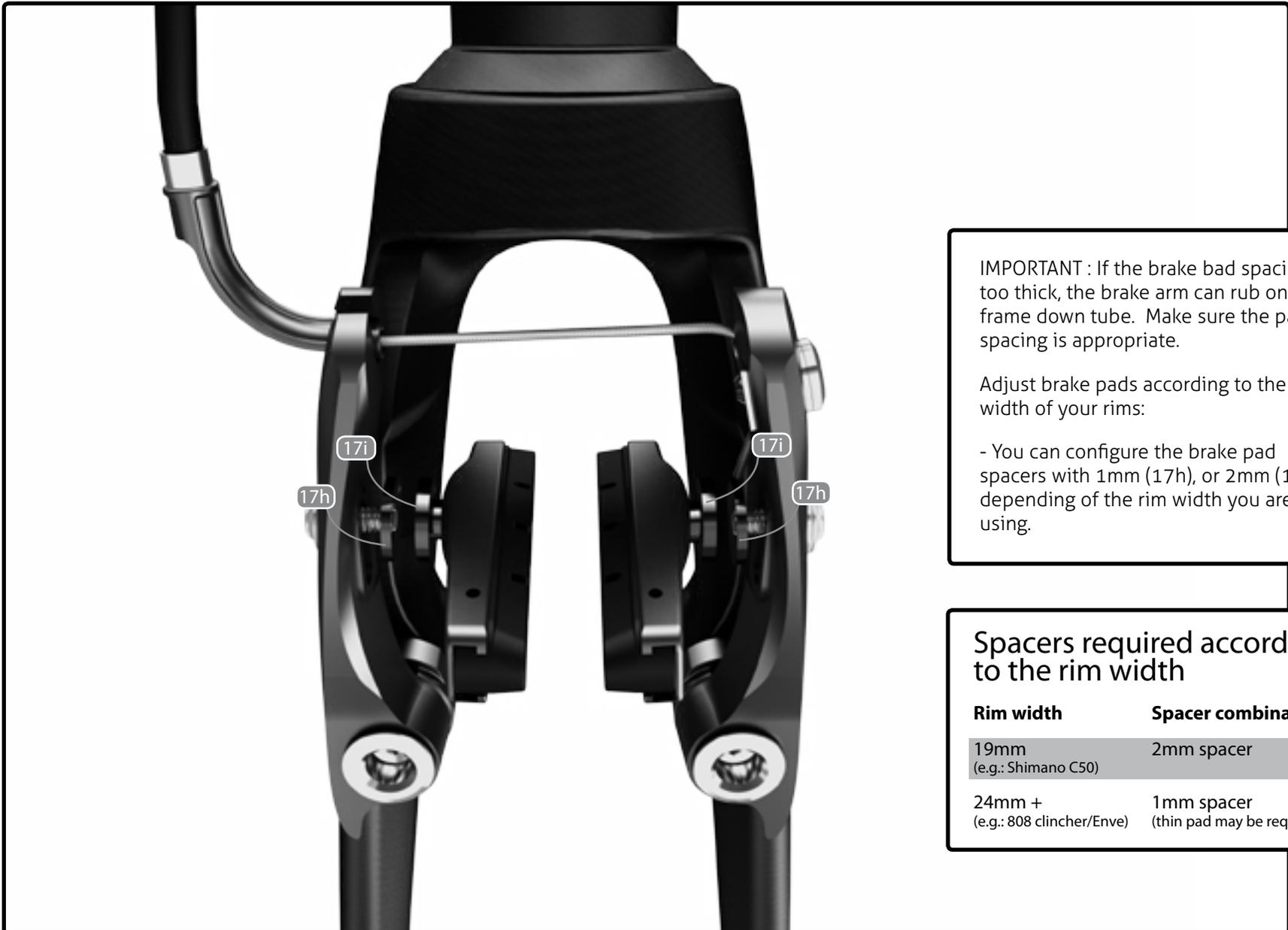


Adjust brake pads according to the width of your rims:

Pass the cable through the curved straw and then in the appropriate guide.

Fix the cable to the caliper with the 6mm screw and tighten it to 6Nm.





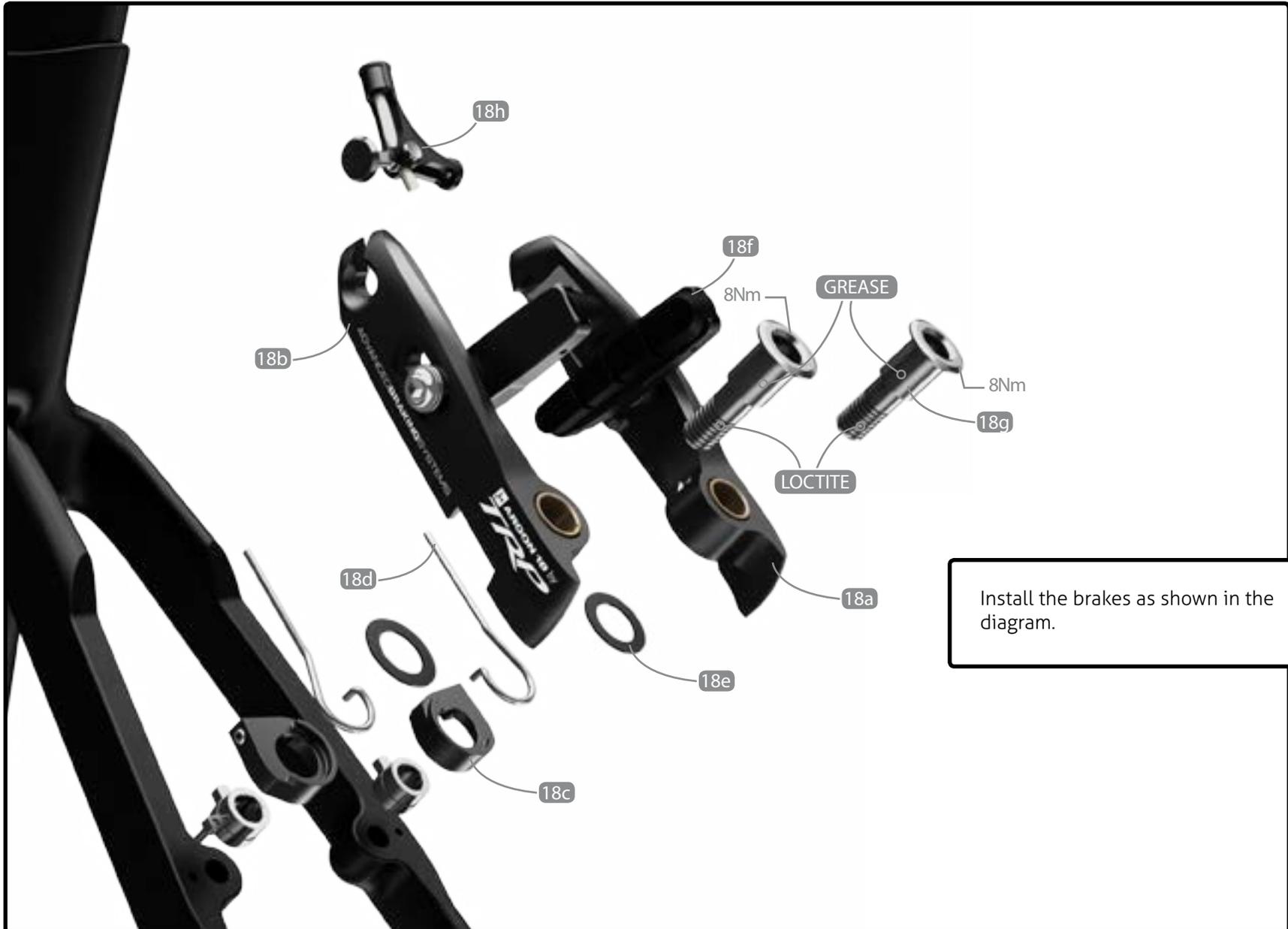
IMPORTANT : If the brake pad spacing is too thick, the brake arm can rub on the frame down tube. Make sure the pad spacing is appropriate.

Adjust brake pads according to the width of your rims:

- You can configure the brake pad spacers with 1mm (17h), or 2mm (17i) depending of the rim width you are using.

Spacers required according to the rim width

Rim width	Spacer combinaison
19mm (e.g.: Shimano C50)	2mm spacer
24mm + (e.g.: 808 clincher/Enve)	1mm spacer (thin pad may be required)



Install the brakes as shown in the diagram.

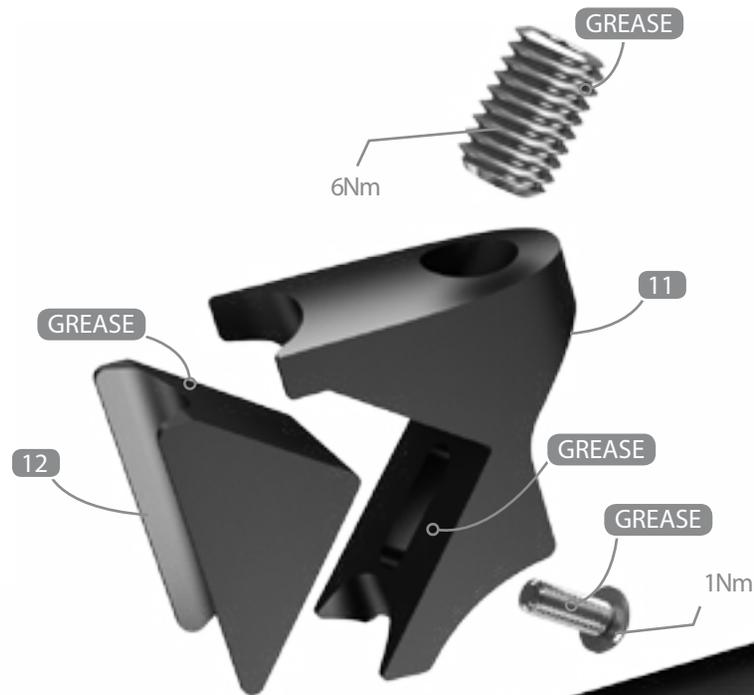


Adjust brake pads according to the width of your rims:

Pass the cable through the cable guide. Make sure that the length of the cable housing is sufficient for the guide to remain horizontal as it can cause interference with the rear wheel tire.

Use the proper brake pad spacers depending on the width of your wheel rims.

Fix the cable to the caliper with the 6mm screw and tighten it to 6Nm.

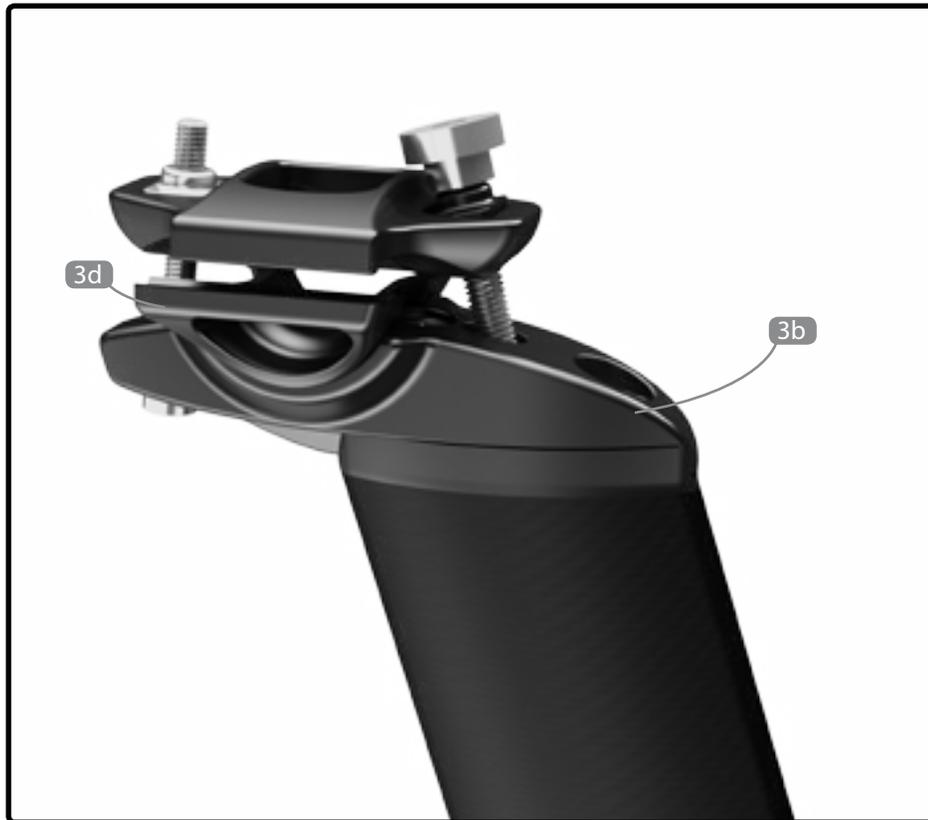


- 7.1 Peel off the plastic of the double-sided tape located at the back of the seat clamp wedge (11).
- 7.2 Place the seat clamp wedge (11+12) inside the frame.
- 7.3 Insert the seatpost (3) on which some carbon fiber assembly gel has been applied.
- 7.4 Position the seatpost to the desired height.
- 7.5 Tighten the set screw at max 6Nm.

CARBON FIBER ASSEMBLY COMPOSITE



- 8.1 Install the saddle on the rocker (3d) and tighten the rail clamp (3e) up to 6Nm using the half-moon bolt (3k).
- 8.2 Adjust the angle and the offset of the saddle by hand tightening the thumb screw (3j).
- 8.3 The rocker (3d) can be flipped to change the saddle offset (+ / - 5mm).
- 8.4 The seatpost head base (3b) can also be flipped to achieve a TRI position. First remove the half-moon bolt (3k) and the thumb screw (3j), remove the top and bottom clamp (3d & 3e) to have access to the 2 head base screw (3c). Unscrew the screw to remove the head base (3b) and flip it to change the offset.



Left:

Road position: headbase (3b) is rear facing, setback offset (-17.5mm to -22.5mm) by flipping the bottom clamp (3d).

Right :

Tri position: headbase (3b) is front facing, setback offset (+30mm to +40mm) by flipping the bottom clamp (3d).



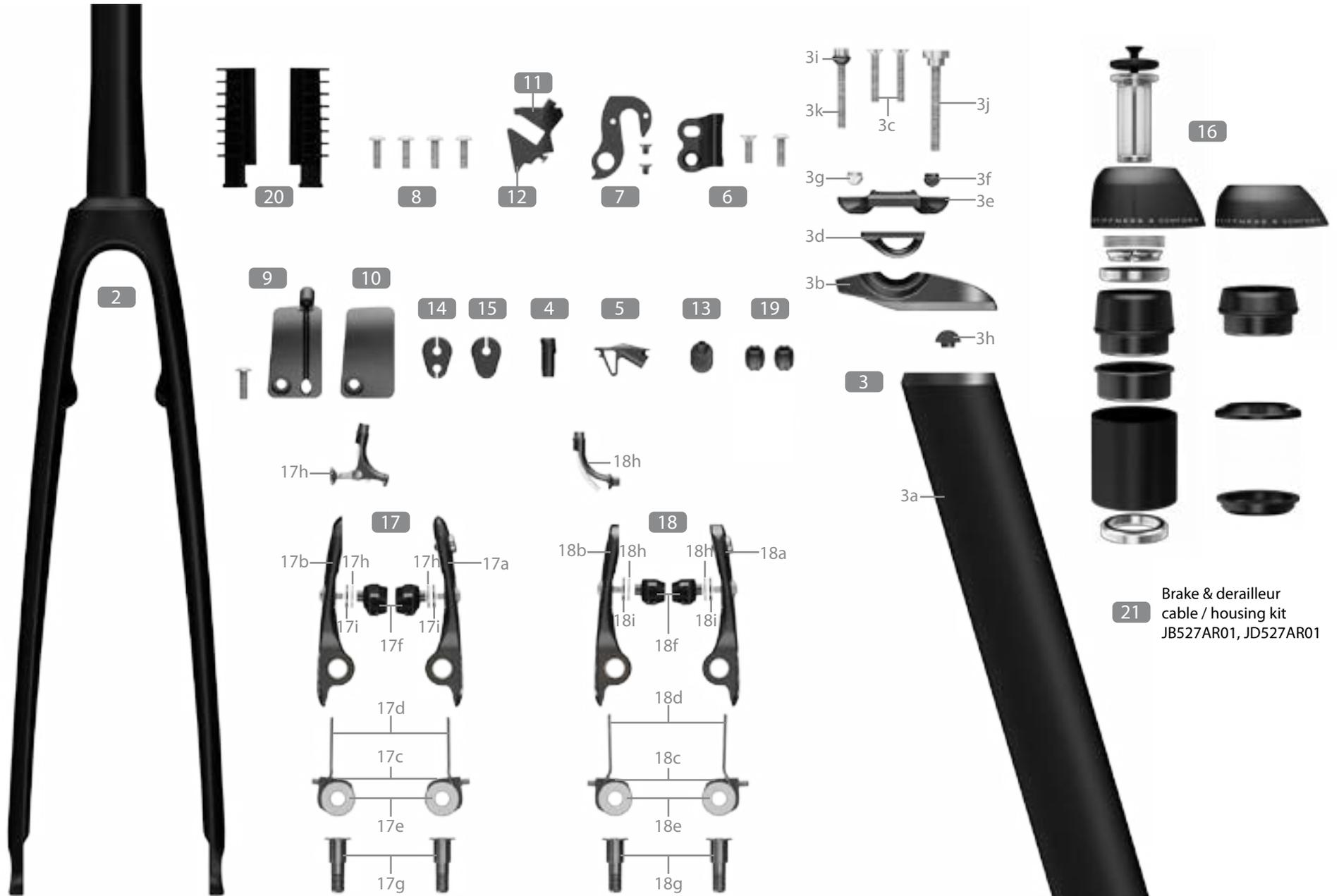
The front derailleur hanger (6) can be adjusted according to the front derailleur angle to get an equal curve between the derailleur and the big chain ring. Once at the right angle, use blue 242 Loctite and screw both screws in at 4Nm.



LOCTITE

LOCTITE

6



Images are for reference only. Proportions are not accurate.



No #	Name Frameset parts	Supplier Description	Qty	SKU Comp	SKU Acc
1	Nitrogen frame	AG-FB-01, artwork 215A, Black / red, matte / gloss	1		
2	Nitrogen fork	AG-FK-01, artwork 215A-FK, Black / red, matte / gloss	1	38717	38750

Seat post with the following parts assembled

3	Nitrogen seat post (ASP-5000)	AG-SP-01, artwork 215ASP-B, Black,matte	1		
3a	AG-SP-01 carbon part	AG-SP-01 carbon part bonded with alloy insert	1		
3b	Head base	Head base	1		
3c	M5x30mm flat head - A2-70	M5x30mm flat head - A2-70	2		
3d	Lower Rail Clamp	Lower Rail Clamp	1		
3e	Upper Rail Clamp	Upper Rail Clamp	1		
3f	Half Moon Nut M6	Half Moon Nut M6	1		
3g	Half Moon Nut M5	Half Moon Nut M5	1		
3h	Half Moon Bolt	M6 x 45mm with custom swivel head	1		
3i	Spherical Washer M5	Spherical Washer M5	1		
3j	M6 Thumbscrew	M6 x 45mm thumbscrew +welded threaded rod	1		
3k	M5x40mm socket head	M5x40mm socket head - grade 12.9	1		



No #	Name	Supplier Description	Qty	SKU Comp	SKU Acc
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Frame related parts already installed

4	Head tube brake cable stopper	308030018,Head tube brake cable stopper	1		38878
5	Top tube brake cable stopper	308030017(CS-177), Top tube brake cable stopper	1		38879
6	Front derailleur hanger with screws	308020016 with top screw ButtonHead HexSocket M5*16mm + Flat Head M5*16mm	1		38882
7	Rear derailleur hanger with screws	308020017 with Flat Head screws (M3*7mm)	1		38883
8	Water bottle screw	308010085 Aluminum ButtonHead HexSocket (M5x16mm) for bottle cages	4		38884
9	BB cable guide with screws	309010017 with Round Head Philips screws (M5*9.5mm)	1		38885
10	BB cover for elec. Shifter	309020008(OS-370) with Round Head Philips screws (M5*9.5mm)	1		38260

Seat collar

11	Seat collar base with screws	308230008 with Flat point set screws (M8*12mm)	1		38886
12	Seat collar wedge with screws	308230007 with ButtonHead HexSocket screw (M3*8mm)	1		38983



No #	Name	Supplier Description	Qty	SKU Comp	SKU Acc
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Di2 configuration specific parts

13	FD cable grommet for Di2	309030009(CCN007NB-3), Di2 cable grommet for FD	1		38888
14	Top tube grommet Non-Di2	309030008, Top tube grommet for mech. shifter cable	1		38880
15	Top tube grommet for Di2	309030007, Top tube grommet for Di2	1		38881

Also Included with the frameset - shipped separately

16	Headset with compressor TH-881-1	No 39+3D No 39 +3D Press Fit(Argon 18 Exclusive) with TH-881-1 (23.6mm)	1	38957	39191
17	Front brake assembly	TKB137 (see next page for breakdown)	1		38759
18	Rear brake assembly	TKB138 (see next page for breakdown)	1		38760
19	Grommet for chainstay	CCG052B	2		38985
20	Di2 battery holder for aero SP	407100005, Di2 battery holder for Aero seat post	2		38758



No #	Name	Supplier Description	Qty	SKU Comp	SKU Acc
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Also Included with the frameset - shipped separately

17	TKB137 front brake <i>including the following parts</i>				
17a	Brake Arm right				
17b	Brake Arm left				
17c	Brake pivot	(left and right)			
17d	Spring tensionners	(left and right)			
17e	Washers				
17f	Brake pad	(left and right)			
17g	Pivot bolt				
17h	cable guide				
17i	2mm spacer	2mm spacer for TKB137 & TKB138 brakes	2		
17j	1mm spacer	1mm spacer for TKB137 & TKB138 brakes	2		
18	TKB138 rear brake <i>including the following parts</i>				
18a	Brake Arm right				
18b	Brake Arm left				
18c	Brake pivot	(left and right)			
18d	Spring tensionners	(left and right)			
18e	Washers				
18f	Brake pad	(left and right)			
18g	Pivot bolt				
18h	cable guide				
18i	2mm spacer	2mm spacer for TKB137 & TKB138 brakes	2		
18j	1mm spacer	1mm spacer for TKB137 & TKB138 brakes	2		



No #	Name	Supplier Description	Qty	SKU Comp	SKU Acc
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Also Included with the frameset - shipped separately

21	Brake cable / housing kit <i>including the following parts</i>	JB527AR01		39014	
	Housing 5mmKEB-SL	black #07, 1.20m	1		
	End caps	CC715BJ, alloy black anodized for front and rear brake lever	2		
	End caps	CM029BJ, POP open end cap black	1		
	End caps	CC715BJ, alloy black anodized for rear brake housing	2		
	Cable	STS (slick-stainless) / 1,5mm	2		
	Barrel adjuster	CM265BJ, for front and rear brake	2		
	Derailleur cable / housing kit <i>including the following parts</i>	JD527AR01			
	Housing LEX40-SL	Black #07, 3m	1		
	End caps	CC464BJ, alloy ferrule, black, for derailleur housing lever end	2		
	End caps	CC464BJ, alloy ferrule, black, for derailleur housing bottom section	2		
	Cable	STS (slick-stainless) / 1.1mm			
	Barrel adjuster	CM233-1BJ, for front and rear derailleur	2		