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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 cables and cable housings before the bearings.



4. Electronic drive-train cable routing specification



5. Seatpost installation



6. Derailleur hanger adjustment



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	Seatpost, Ø 31.6mm	Seatpost			Carbon paste
2	Front derailleur hanger	Screw	3mm	3Nm	Loctite
3	Rear derailleur hanger	Screw (2)	3mm	4Nm	Loctite
4	Bottle cage	Screw (4)	4mm	3Nm	Grease
5	Seatpost collar	Clamp	4mm	6Nm	Grease
6	Rear derailleur cable stopper	Screw (2)	2mm	2Nm	Loctite
7	Bottom bracket cable guide	Screw	5mm	3Nm	Grease

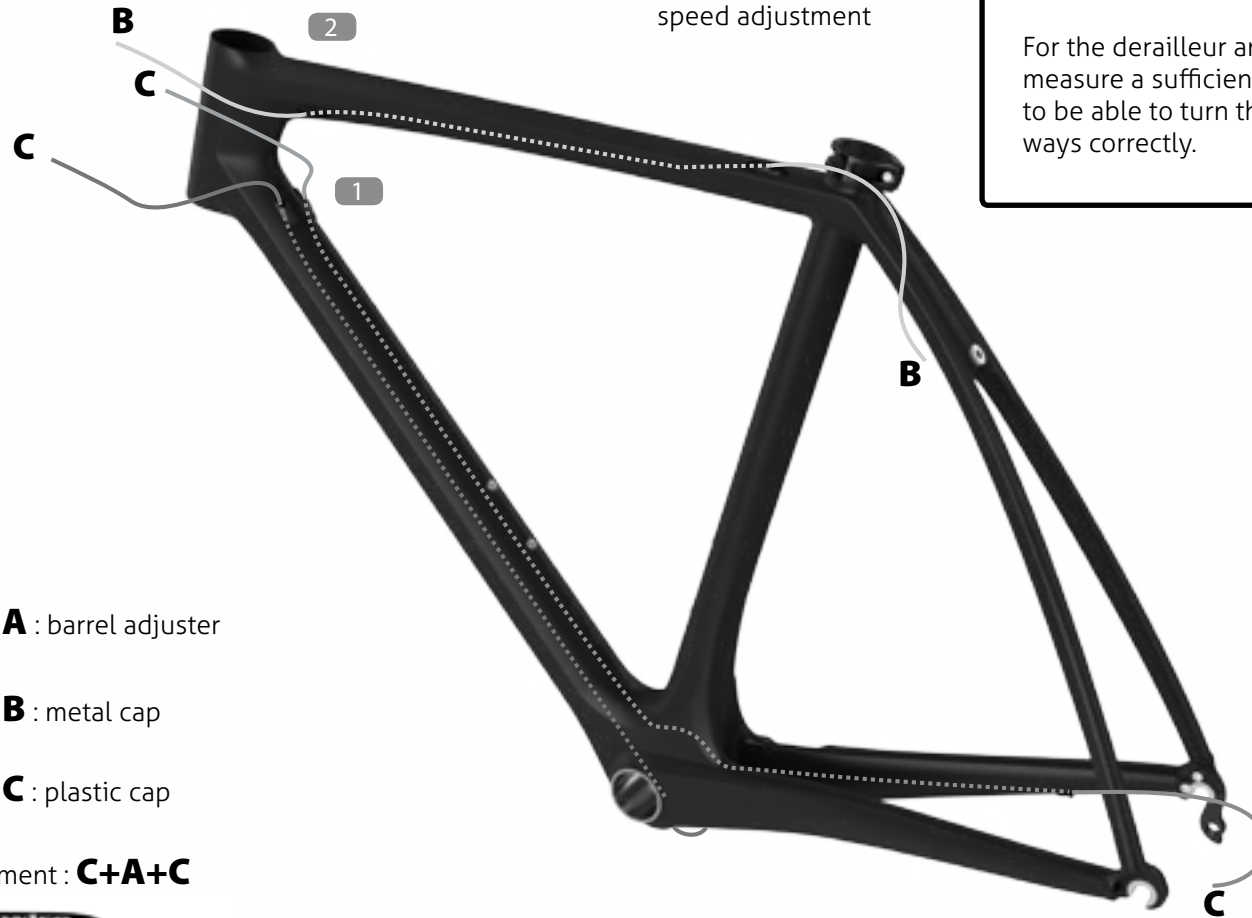


Install the 3D headset (6) according to the 3D headset assembly guide. You can choose from 3 different heights : 25mm, 15mm or 0mm.



speed adjustment

1. Install the front and rear derailleur cable starting at the head tube.
 2. Install the rear brake cable starting at the head tube.
- For the derailleur and brake housing, measure a sufficient length of housing to be able to turn the handlebar both ways correctly.



A : barrel adjuster



B : metal cap



C : plastic cap

speed adjustment : **C+A+C**





Rear brake cable housing

Remove the 2 cable stoppers near the head tube and seat collar.

Front section: Measure the necessary cable housing to ensure proper rotation of the handlebar. Insert the cable through the shifter, then insert the cable housing in 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 rear housing correctly to avoid interference with the rider's left leg. Fix the cable to the brake according to the brake manufacturer assembly guide.

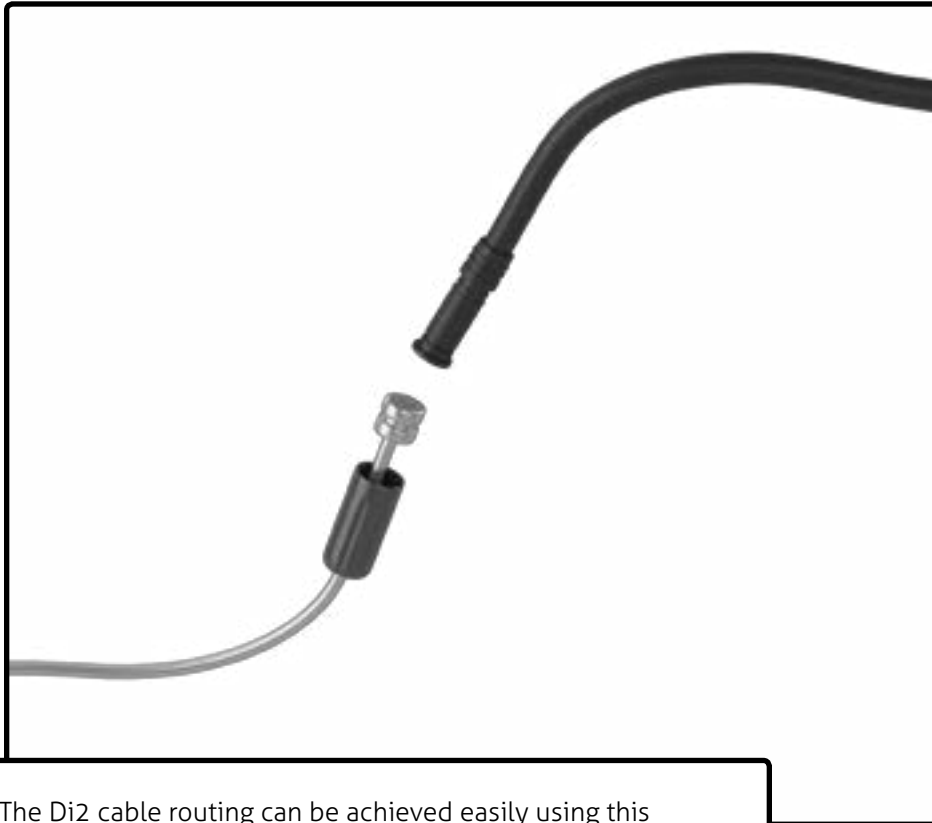


Front & rear derailleur: Remove the cable guide cap (4h) under the bottom bracket. Pass the cables inside the downtube until they come out under the bottom bracket, then in the cable guide (4d).

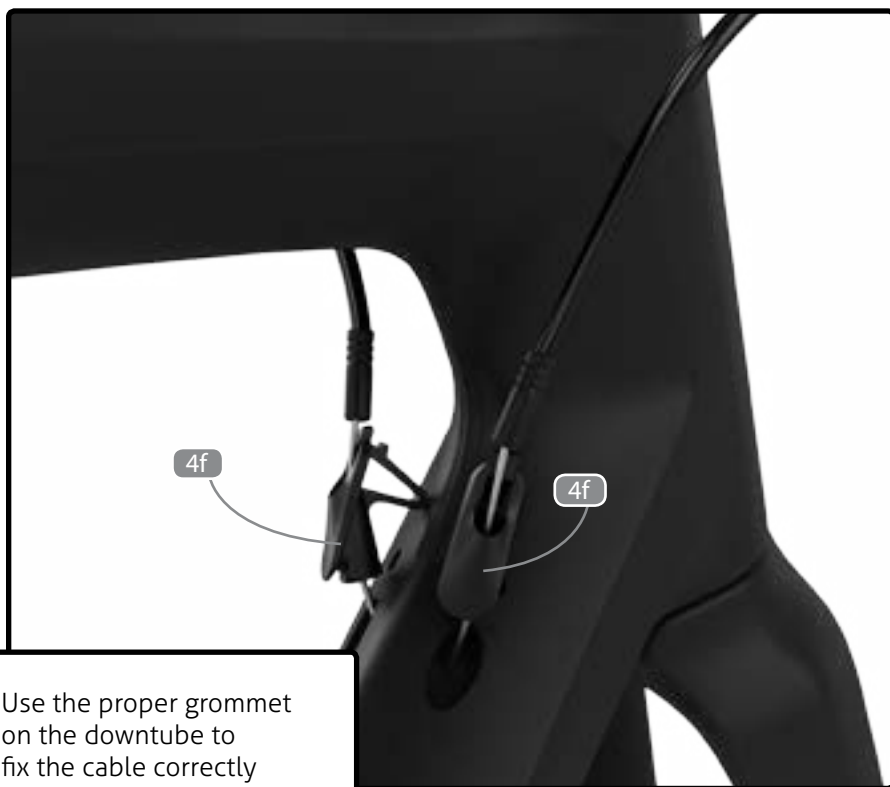
Fix the cable guide cap under the bottom bracket with the 5mm screw (1.5 Nm).

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





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 downtube to fix the cable correctly (depending if you use the mechanical or electronic drive-train).



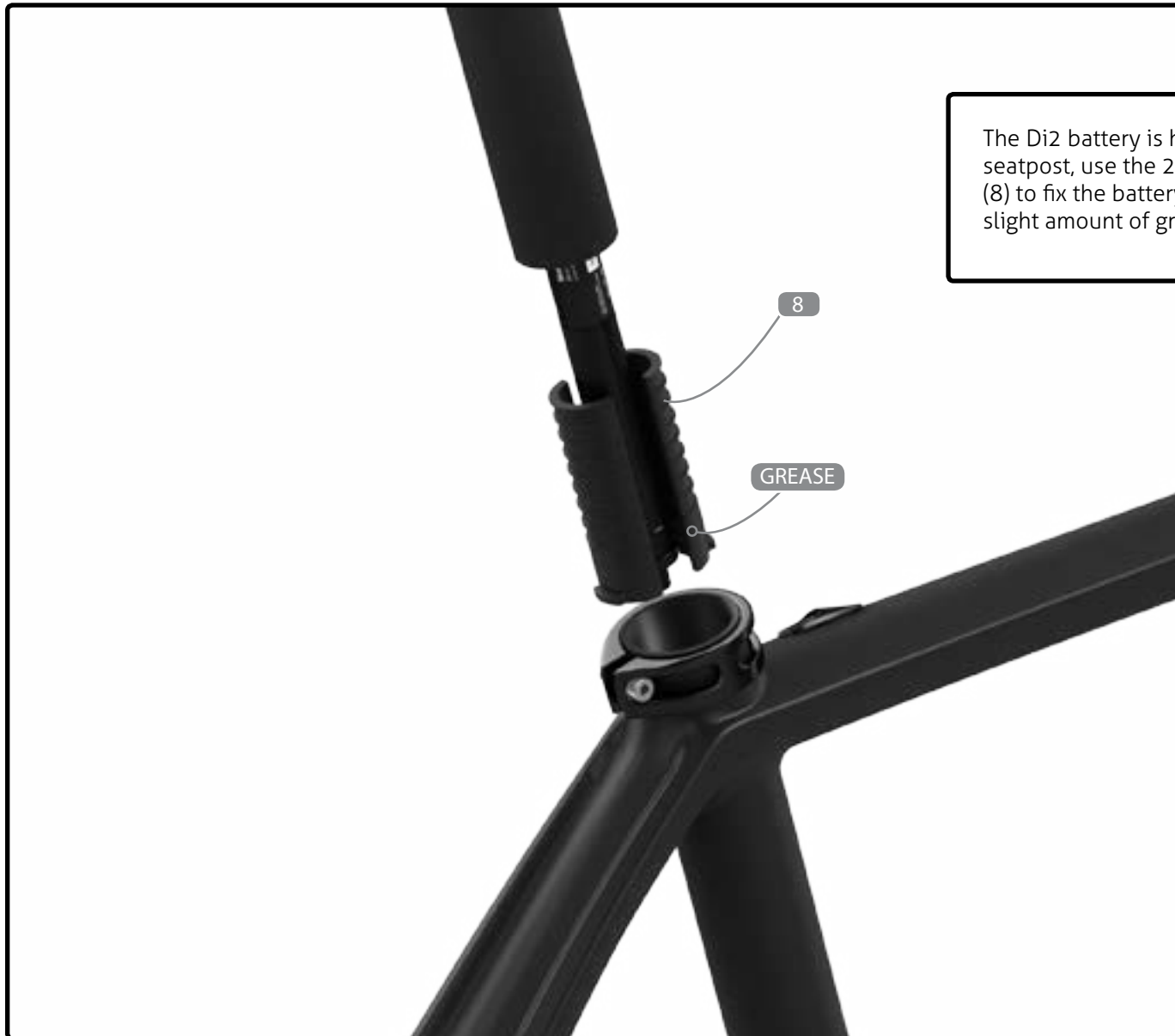


Use the cable stopper (4g) for the rear derailleur cable if you use mechanical drive-train.

In a Di2 configuration, remove the cable stopper and replace the 2 screws to avoid empty holes on the frame. The Di2 cable is routed inside the chainstay



Use the proper grommet for the front derailleur (depending if you use the mechanical or electronic drive-train).



The Di2 battery is hidden in the seatpost, use the 2 battery holders (8) to fix the battery correctly. Apply a slight amount of grease on both parts.



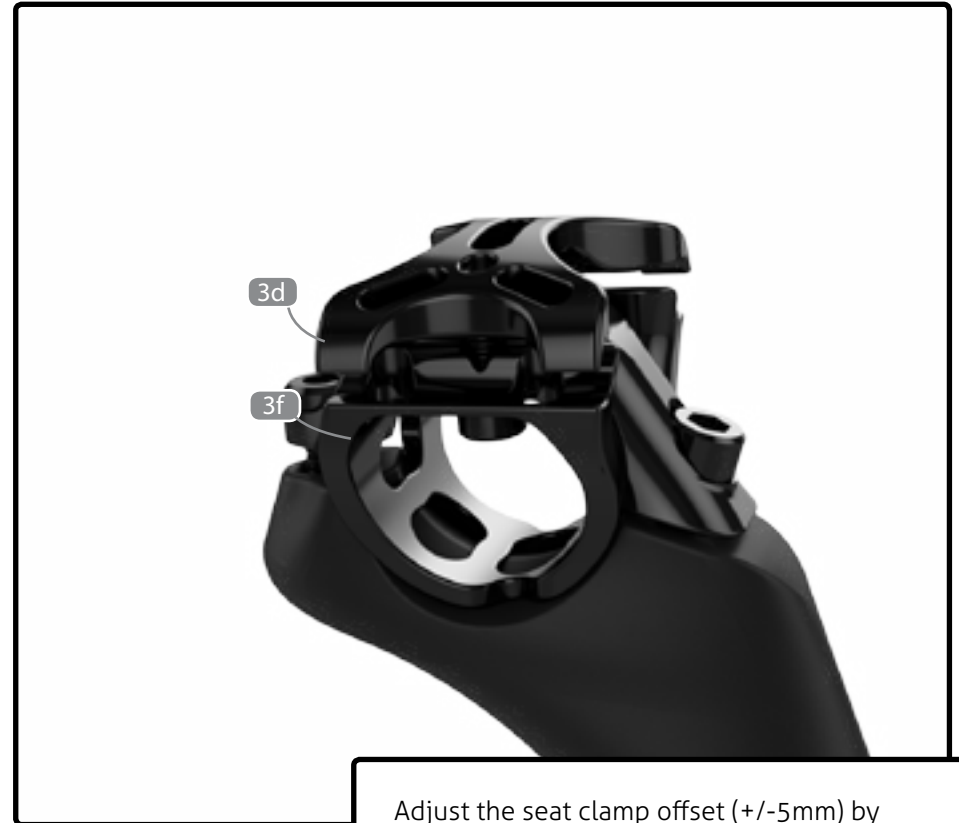
1. Install the saddle on the rocker (3f) and slightly tighten the rail clamp (3d) using a ball end hex key using the screws 3c.

2. Tighten the upper screw of the rocker clamp (3a) by keeping a space of 2 to 3mm between the aluminum and carbon parts.

3. Adjust the angle of the saddle and tighten the lower screw (3b) of the rocker clamp (3e).

4. Adjust the saddle offset and finalize the tightening of the rail clamp (3d) with screw 3c.



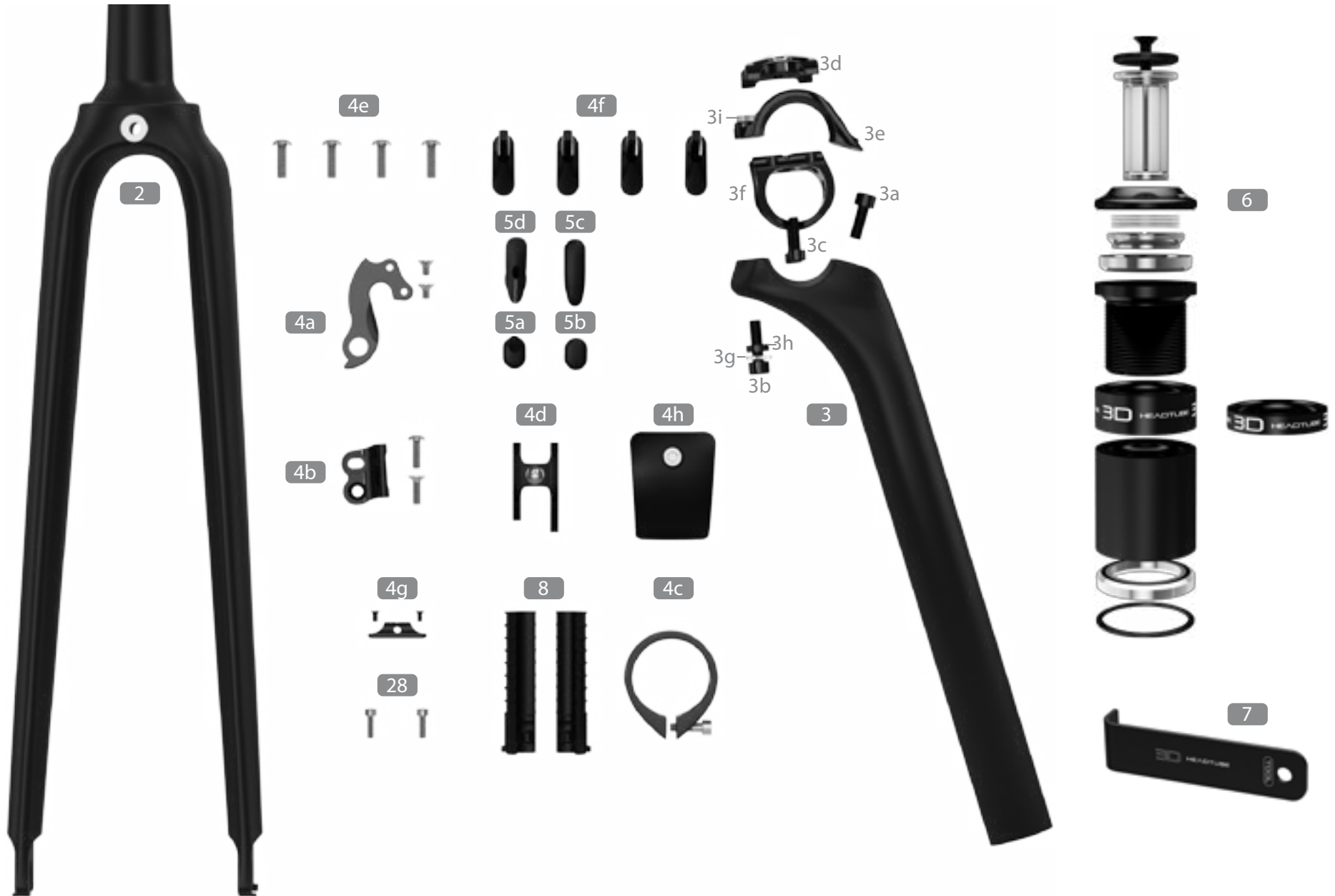


Adjust the seat clamp offset (+/-5mm) by flipping the rail clamp (3d) and rocker (3f).



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





Images are for reference only. Proportions are not accurate.



No #	Name Frameset parts	Supplier Description	Qty	SKU Comp	SKU Acc
1	Gallium frame	AR-R02-UDG, artwork 211A, black/white, mat/gloss			
2	Gallium fork	AR-R02FKF-UDG-43*305*56, artwork 211A-FK, black/white, mat/gloss	1	38590	38752
# Seat post with the following parts assembled					
3	Gallium seat post (ASP-6000)	AR-SP11-UDG-31.6*300 (w/laser etch), artwork 211SP, black/mat	1	38591	38753
3a	Upper HexSocket screw	(M6*20mm S) for rocker clamp	M6*20 S	1	
3b	LowerHexSocket screw	(M6*35mm S) for rocker clamp	M6*35 S	1	
3c	HexSocket screws	(M5*20mm S)	M5*20 S	2	
3d	Top rail clamp	TT01-SP-top rail clamp	1		
3e	Rocker clamp	TT01-SP-rocker clamp (arc)	1		
3f	Rocker	TT01-SP-rocker	1		
3g	Stainless washer	WSR118	1		
3h	Black washer	Ø6.4*4mm	1		
3i	Nut	NUT-111	1		



No #	Name Frameset parts	Supplier Description	Qty	SKU Comp	SKU Acc
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#	Parts installed on the frame				
4a	Rear derailleur hanger with screws - Model C	RD125 rear DO hanger + RD125 rear DO hanger flat head HexSocket screws (M4*8mm F), black	1		37830
4b	Front derailleur hanger with screws - Model D	M-FD03 (R2) + ButtonHead HexSocket screw (M5*16mm B) and flat head HexSocket screw (M5*16mm F)	1		36197
4c	Seat clamp with screw and washer	SC127, seat clamp black polished + HexSocket screw (M5*16mm S) and Ø5.3*Ø8.2*1mm(M5) washer	1		36193
4d	BB cable guide with screw	BG124, BB cable guide with round head Phillips screw (M5*10mm B) for AR-R02	1		38261
4e	Screw for water bottle cage	Stainless ButtonHead HexSocket screw (M5*16mm B) for bottle cages, M001E905038	5		38234
4f	DT & TT Cable stopper	CS177, DT & TT Cable stopper	4		38756
4g	Removable CS cable stopper and screws	CS147, AR-R02 & AR-R01D2 CS removable cable stopper with flat head HexSocket screws (M3*10mm F), 0206F20006	1		36682
4h	BB cover guide with screw	OS-243, BB cover guide with HexSocket screw (M5*10mm S), 0207FH0004, M001E90506	1		37460



No #	Name Frameset parts	Supplier Description	Qty	SKU Comp	SKU Acc
# Di2 configuration specific parts					
5a	Di2 cable grommet	OS-285, Di2 cable grommet for AR-R02-UDG, AR-R01D2-UDG, AR-R03-UD, 0299FH0033	1		38251
5b	Mechanical FD grommet	OS-387, grommet plug for Di2 hole filler (non Di2) for AR-R02-UDG, AR-R01D2-UDG, AR-R03-UD, 0299F80032	1		38253
5c	Downtube grommet filler Right Side	OS-253, AR-R02 downtube grommet filler	1		36681
5d	Downtube Di2 grommet Left Side	OS-252, AR-R02 downtube Di2 grommet plug	1		36680
# Also included with the frameset - shipped separately					
6	Headset No. 62-5 + 3D with compressor TH-881-1	No. 62-5 + 3D (Argon 18 exclusive) with TH-881-1 (23mm), H0539C0045E101 ; Ano black, with MW006x4, with 881-1 23mm, E0247, MW170A/B (Ano black), logo: 3D headtube (AM packaging)	1	38263	37869
7	3D headset tool	3D head tube tool, 2012 w/3D head tube logo, with hole, width 33.5mm	1	36165	36919
8	Di2 Battery holder	DIS-23, Di2 battery holder for 31.6mm seatpost	1	38889	38890