





1. Tools Needed and First Aid Kit	2
2. Sizing Chart	3
3. Frameset Inspection	4
4. Troubleshooting / Tip / Specification	5
5. Seat Post Collar Assembly	6
6a. Seat Post Assembly Krypton CS	7
6b. Seat Post Assembly Krypton GF	8
7. Rear Derailleur Hanger Adjustment	9
8. Headset Installation	10
9. Console	11
10. Cable and Housing Routing	16
11. Chain Catcher	24
12. Fender bracket	25
13. Frameset Parts Checklist	26

My Krypton CS/GF

Date of purchase: _____

Retailer: _____

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 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)
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: Krypton CS Krypton GF (Direct mount option if utilize)



SKU: 80802

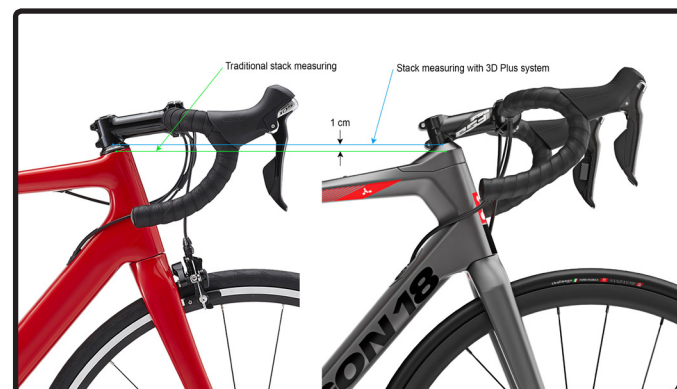
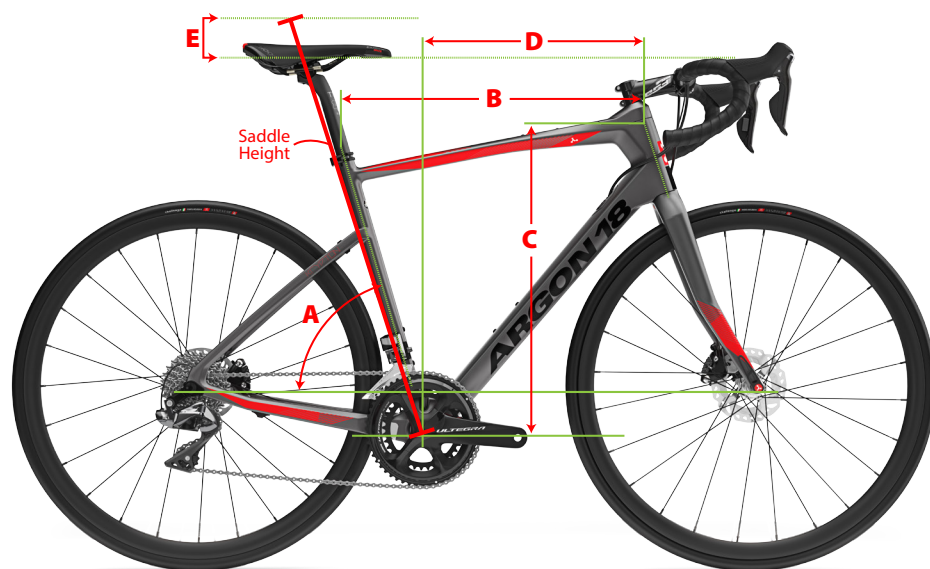


SKU: 80832

2. Seat clamp



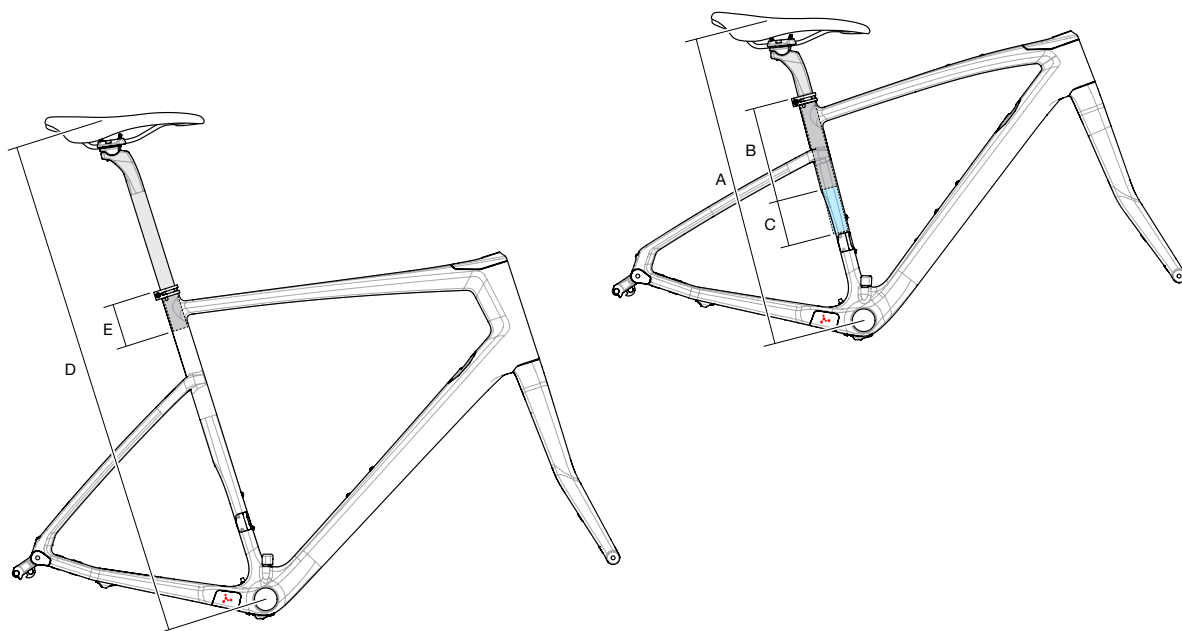
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Sizing Chart: Krypton CS & Krypton GF						With 0 mm Headset		With 15 mm Headset		With 30 mm Headset		E*	
Saddle Height (cm)	Suggested Size	A Seat Tube Angle (°)	B Top Tube (cm)	C Stack (cm)	D Reach (cm)	C	D	C	D	C	D	Minimum Drop (cm)	Maximum Drop (cm)
61	XXS	75.5	49.6	51.9	35.9	53.3	35.3	54.7	34.8	4	-1.5		
62	XXS	75.5	49.6	51.9	35.9	53.3	35.3	54.7	34.8	3	-2.5		
63	XXS	75.5	49.6	51.9	35.9	53.3	35.3	54.7	34.8	2	-3.5		
64	XXS/XS	75.5 / 74.9	49.6 / 51.6	51.9 / 53.9	35.9 / 36.9	53.3 / 55.3	35.3 / 36.4	54.7 / 56.7	34.8 / 35.9	1 / 3.5	-4.5 / -2.5		
65	XXS/XS	75.5 / 74.9	49.6 / 51.6	51.9 / 53.9	35.9 / 36.9	53.3 / 55.3	35.3 / 36.4	54.7 / 56.7	34.8 / 35.9	0 / 2.5	-5.5 / -3.5		
66	XS	74.9	51.6	53.9	36.9	55.3	36.4	56.7	35.9	1.5	-4.5		
67	XS	74.9	51.6	53.9	36.9	55.3	36.4	56.7	35.9	0.5	-5.5		
68	XS/S	74.9 / 74.3	51.6 / 53.7	53.9 / 55.9	36.9 / 37.9	55.3 / 57.3	36.4 / 37.4	56.7 / 58.8	35.9 / 37.0	-0.5 / 2	-6.5 / -4		
69	XS/S	74.9 / 74.3	51.6 / 53.7	53.9 / 55.9	36.9 / 37.9	55.3 / 57.3	36.4 / 37.4	56.7 / 58.8	35.9 / 37.0	-1.5 / 1	-7.5 / -5		
70	S	74.3	53.7	55.9	37.9	57.3	37.4	58.8	37.0	0	-6		
71	S	74.3	53.7	55.9	37.9	57.3	37.4	58.8	37.0	-1	-7		
72	S/M	74.3 / 73.7	53.7 / 55.8	55.9 / 58.0	37.9 / 38.8	57.3 / 59.4	37.4 / 38.3	58.8 / 60.8	37.0 / 37.9	-2 / 0.5	-8 / -5		
73	S/M	74.3 / 73.7	53.7 / 55.8	55.9 / 58.0	37.9 / 38.8	57.3 / 59.4	37.4 / 38.3	58.8 / 60.8	37.0 / 37.9	-3 / -0.5	-9 / -6		
74	M	73.7	55.8	58.0	38.8	59.4	38.3	60.8	37.9	-1.5	-7		
75	M	73.7	55.8	58.0	38.8	59.4	38.3	60.8	37.9	-2.5	-8		
76	M	73.7	55.8	58.0	38.8	59.4	38.3	60.8	37.9	-3.5	-9		
77	M/L	73.7 / 73.1	55.8 / 58.0	58.0 / 60.1	38.8 / 39.7	59.4 / 61.5	38.3 / 39.2	60.8 / 62.9	37.9 / 38.8	-4.5 / -2	-10 / -7.5		
78	M/L	73.7 / 73.1	55.8 / 58.0	58.0 / 60.1	38.8 / 39.7	59.4 / 61.5	38.3 / 39.2	60.8 / 62.9	37.9 / 38.8	-5.5 / -3	-11 / -8.5		
79	L	73.1	58.0	60.1	39.7	61.5	39.2	62.9	38.8	-4	-9.5		
80	L	73.1	58.0	60.1	39.7	61.5	39.2	62.9	38.8	-4.5	-10.5		
81	L/XL	73.1 / 72.5	58.0 / 60.4	60.1 / 62.4	39.7 / 40.7	61.5 / 63.9	39.2 / 40.2	62.9 / 65.3	38.8 / 39.8	-5.5 / -3	-11.5 / -8.5		
82	L/XL	73.1 / 72.5	58.0 / 60.4	60.1 / 62.4	39.7 / 40.7	61.5 / 63.9	39.2 / 40.2	62.9 / 65.3	38.8 / 39.8	-6.5 / -4	-12.5 / -9.5		
83	XL	72.5	60.4	62.4	40.7	63.9	40.2	65.3	39.8	-5	-10.5		
84	XL	72.5	60.4	62.4	40.7	63.9	40.2	65.3	39.8	-6	-11.5		
85	XL	72.5	60.4	62.4	40.7	63.9	40.2	65.3	39.8	-7	-12.5		

Stack and Reach are measured on top of the headset cap.
Subtract 1cm to stack value to compare to a traditional frame.
Add 0,3cm to reach value to compare to a traditional frame.

*Drops are measured with size specific -6° stem



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 XX-Small Krypton GF Frame

- The required minimum SeatPost Cut length is: 90 - (600-560) = 50mm

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

Saddle Heights Limits			Krypton CS		
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
XX-Small	520	170	130	740	80
X-Small	550	200	100	770	80
Small	585	235	65	805	80
Medium	620	260	40	840	80
Large	655	300	0	875	80
X-Large	690	315	0	910	80

Saddle Height Limits			Krypton GF		
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
XX-Small	560	170	90	740	80
X-Small	590	200	60	770	80
Small	625	235	25	805	80
Medium	660	260	0	840	80
Large	695	300	0	875	80
X-Large	730	315	0	910	80



BEFORE ASSEMBLING YOUR NEW KRYPTON CS /GF, MAKE SURE THAT YOU HAVE ALL THE FOLLOWING:

1. Frameset parts checklist (see p.29-30)
2. Inspect the frame for cosmetic aspect (scratches, bumps, cracks, paint defect, etc.)
3. For reference, check serial number and write it on p.2
4. All the necessary bolts (refer to Frameset Parts, p.29-30)
5. For optimal shifting performance, use a dropout alignment gauge to make sure that the drive-side dropout is straight

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 when necessary.

	Parts installed on frame	Description	Screw type	Torque Nm	Detail
1	Front derailleur hanger	Riveted	-	-	-
2	Chain suck guard	Glued	-	-	-
3	Seatpost Collar	M5 Screw (1x)	Socket head	4Nm	Grease
4	Seatpost head	M5 Screws (2x)	Socket head	4.5Nm	Grease
5	Water bottle cage screws	M5 Screws (4x)	Socket head	3Nm	Grease
6	Removable CS cable stopper	M3 Screws (2x)	Flat head	1.0 -1.5Nm	Grease
7	Rear derailleur hanger	M4 Screw (1x)	Flat head	2Nm	Loctite
8	Small chain catcher	M5 Screw (1x)	Socket head	3Nm	Nylok
9	Headset cap screw	M4 Screw (1x)	Flat head	0.5-1.0Nm	Dry
10	Console cap screw	M4 Screws (2x)	Flat head	0.5-1.0Nm	Dry



Brakes

Use only flat mount hydraulic disc brakes. The frame and fork are compatible with either 140mm or 160mm disc rotors. Adapters might be required, consult brake manufacturer.

- Rear mount thickness: 25mm

Tire Clearance

The biggest tires that can be installed must be no wider than 32mm for the rear and front wheel. *If fenders are installed, the tires must be no wider than 28mm*

Seat Post

27.2mm

Seat Post Clamp

31.8mm

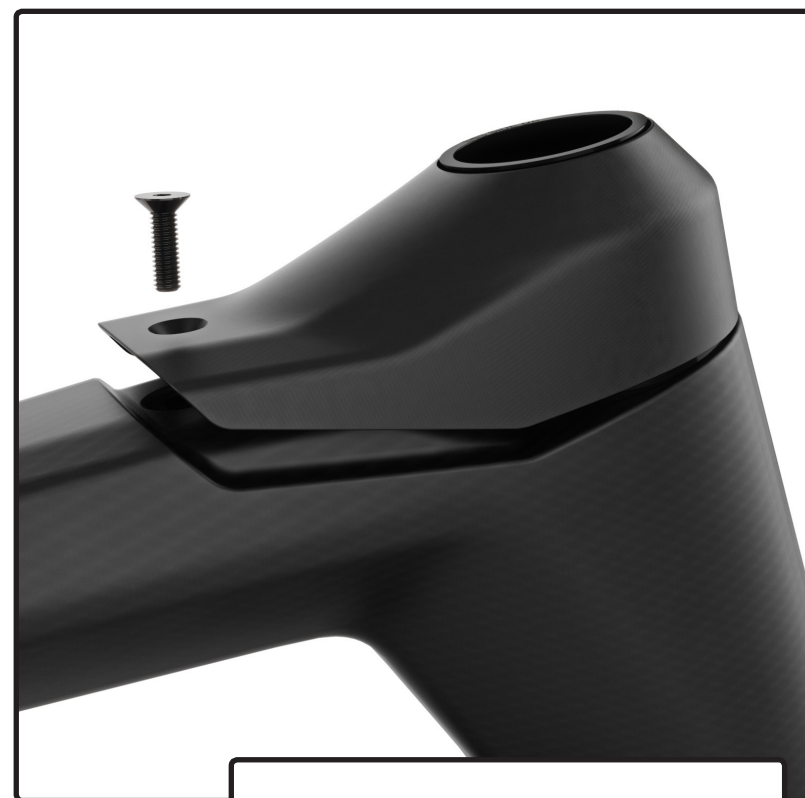
Bottom Bracket

BB86 (Press-fit)

Headset

FSA No 30 + 3D Press-fit (Bearing 1 1/8", 36°x45° top and 1 1/2", 36°x45° bottom + FSA TH-881-1 Compressor included)

No more than 30mm of spacer can be place between the stem and the top cap of the 3D system. And the use of more than 5mm spacer on top of the stem could void the efficiency of the compressor. These practices will automatically cancel any warranty claim against the manufacturer.



Headset cap:

When uninstalling the headset cap, you need to first loosen the headset cap, remove the HS cap screw and remove the fork from the frame. Then you need to pinch the rear section the headset cap and lift the rear section upward. This will release the headset cap from the frame.



Assemble the seat post collar with the seat post. Apply carbon paste on the seat post where it inserts inside the frame. Tighten the bolt at 4 Nm.



Install the saddle on the rocker (1) and tighten the rail clamp (2) using the screw (3)

Adjust the angle, the offset of the saddle and tighten the bolt (4).

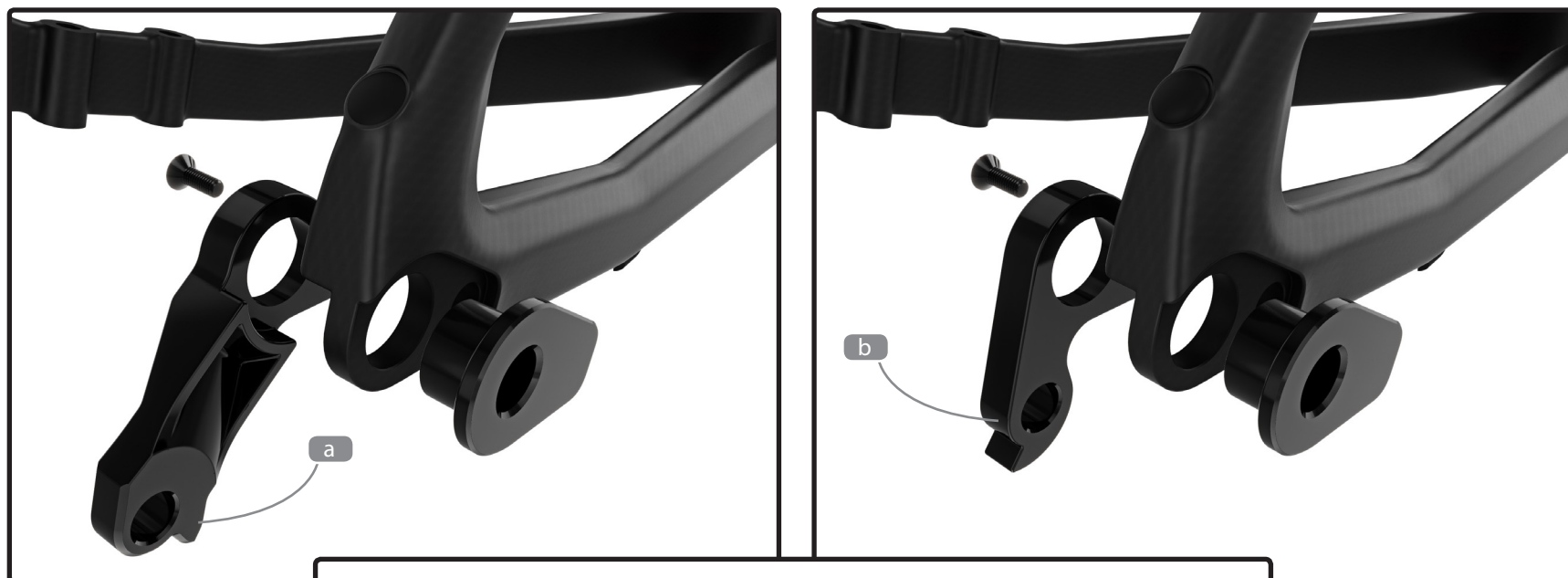


The seat post is supplied fully assembled. It's equipped with a spring-loaded head for easy installation of the saddle.

- Unscrew both bolts slightly until the top clamp (b) and the cradle (c) are separated enough to insert the saddle rail. Do not unscrew the bolts completely.
- Screw both bolts in order to adjust the angle of the saddle and clamp the rail.
- Tighten the bolt at 4.5 Nm.

The top clamp (b) and the cradle (c) can be flipped to change the saddle offset between 25 or 15mm.





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

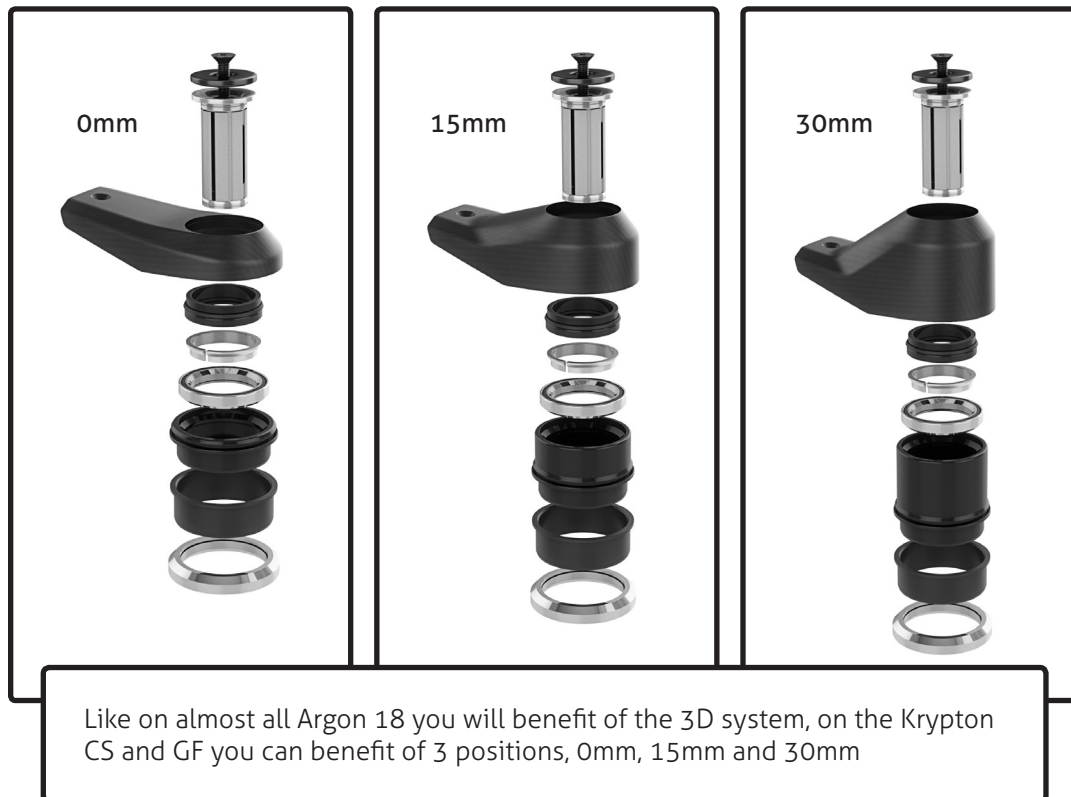
- a. Direct mount
- b. Regular mount

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



Step of assembly

1. Insert the headset plastic sleeve into the top on the headtube. (apply grease)
2. Insert the required headset column, 0, 15 or 30mm, in the headset plastic sleeve. (apply grease)
3. Insert bottom bearing on the fork.
4. Slide the fork in the head tube of the frame.
5. Install top bearing in the headset column. (apply grease)
6. Install conical compressor ring.
7. Install stack compressor.
8. Apply grease on the headset seal to avoid any noise.
9. Install the corresponding headset cap to complete the assembly.
10. Fix the cap with the M4 flat head screw.



The console is the central point of the cable and housing routing. Depending of the type of assembly you will have to select the correct assembly.

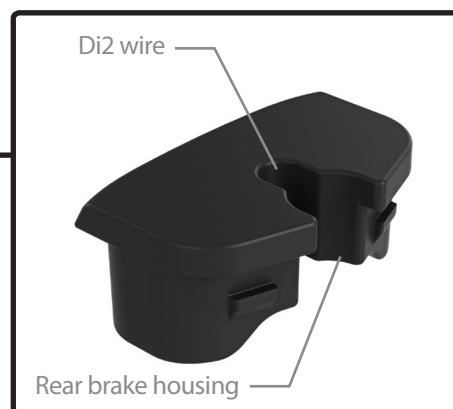
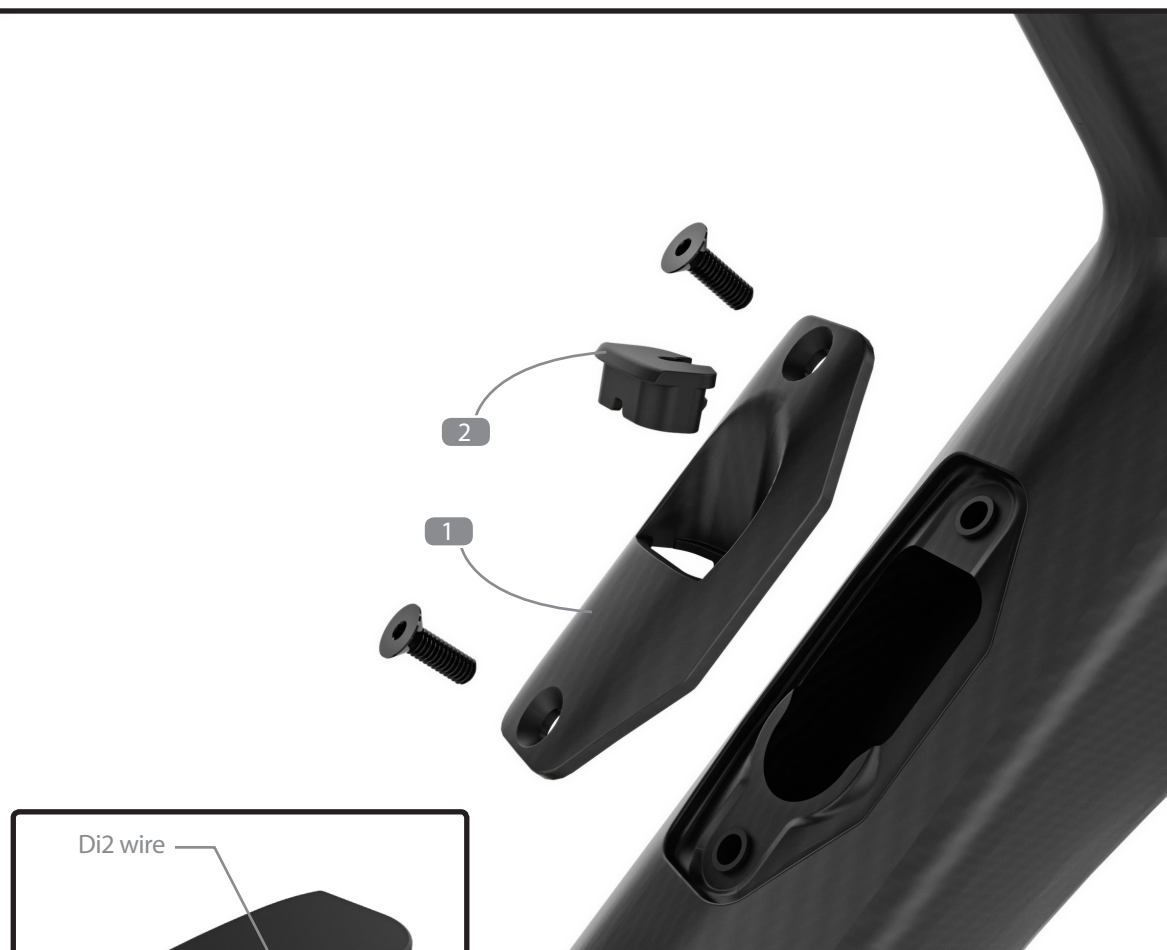
Tip: No mater the type of assembly you will choose, always pass the brake housing first starting from the back of the bike to the front.

1. With the rear brake housing coming from the back of the bike, guide the end of the housing through the right side of the rectangular opening of the Di2 console cap (3).
2. Use the brake housing to insert the foam line into the downtube.
3. Guide the Di2 cable coming from the shifters through the grommet (4) and into the rectangular opening of the console.
4. Guide the bake housing to the bigger hole of the grommet (4).
5. Guide the Di2 cable coming from the shifters through the grommet (4) and into the rectangular opening of the console.
6. Fix the grommet on the console.
7. Place the Di2 O-Ring (5) around the Shimano EW-RS910 junction box.
8. Connect the front and rear Di2 cable to the Shimano EW-RS910 junction box.
9. Clip the Shimano EW-RS910 junction box on the console cap (3).
10. Fix the console cap to the downtube of the frame with the screws.





1. With the rear brake housing coming from the back of the bike, guide the end of the housing through the opening of the console.
2. Use the brake housing to insert the foam liner around the brake housing.
3. Insert the Di2 wire from the external junction box A through the hole in the mechanical console cap.
4. Secure the Di2 wire into the Di2 external insert.
5. Secure the brake housing into the Di2 external insert.
6. Secure the Di2 external insert into the console cap.
7. Fix with the provided screws the console cap on the frame.





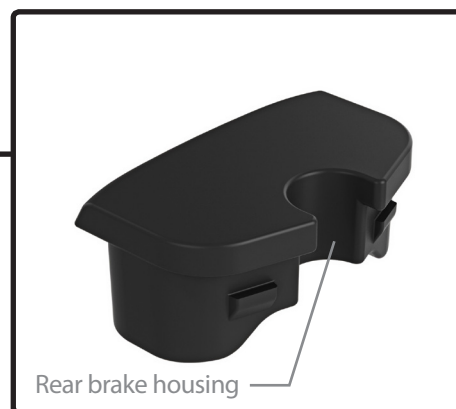
1. With the rear brake housing coming from the back of the bike, guide the end of the housing through the opening of the mechanical console cap. (1)

2. Use the brake housing to insert the foam liner around the brake housing in the downtube.

3. Guide the brake housing in the e Di2 external insert.

4. Secure the Wireless insert (2) on the console cap (1) by pressing firmly on the insert.

5. Fix with the provided screws the console cap on the frame.



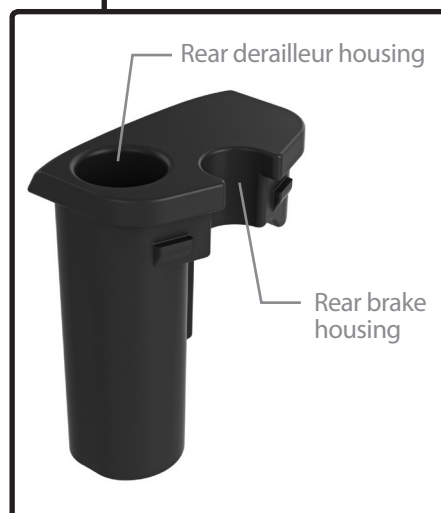


1. With the rear brake housing coming from the back of the bike, guide the end of the housing through the opening of the console.
2. Use the brake housing to insert the foam liner around the brake housing.
3. Insert the Di2 wire from the external junction box A through the hole in the mechanical console cap.
4. Secure the Di2 wire into the Di2 external insert.
5. Secure the brake housing into the Di2 external insert.
6. Secure the Di2 external insert into the console cap.
7. Fix with the provided screws the console cap on the frame.





1. With the rear brake housing coming from the back of the bike, guide the end of the housing through the opening of the mechanical console cap. (1)
2. With the rear derailleur cable coming from the front of the bike and on the right side of the bike, guide the end of the cable through the opening of the mechanical console cap. (1)
3. Cut the necessary length of shifter housing to cover the distance between the hood of the shifter to the console.
4. Install housing cap on the end of the housing that connect into the console.
3. Insert the housing into the insert (2) according to Figure 2.
4. Secure the mechanical insert (2) on the console cap (1) by pressing firmly on the insert.
5. Fix with the provided screws the console cap on the frame.

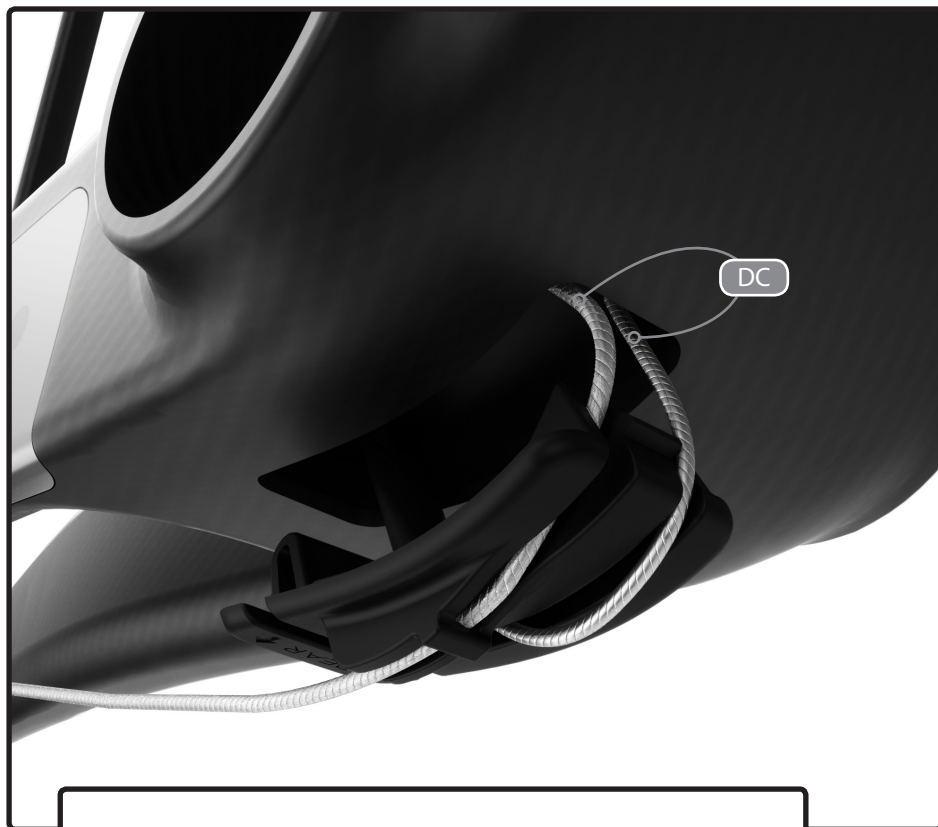




Rear derailleur cable and rear brake housing must be routed on the right side in the inside of the downtube.

Rear brake housing need to routed above the bb carbon sleeve.

Red line: brake cable/housing / Blue line: derailleur cable/housing



Exit derailleur cables through bottom bracket (BB) hole.

Insert in the appropriate slots in the BB guide.

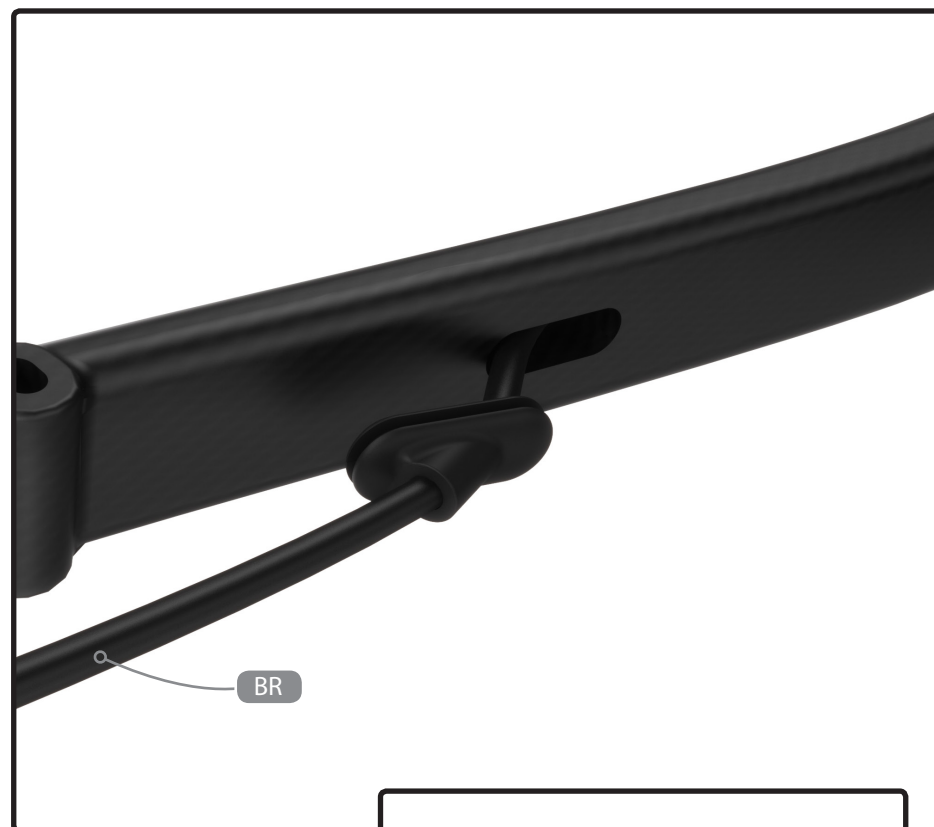
Making sure the pipe is aligned with the top hole, insert BB guide in the square hole until it clicks.



DC = Derailleur Cable (mech.)



BR = Brake Hose
DC = Derailleur Cable (mech.)
DH = Derailleur Housing (mech.)



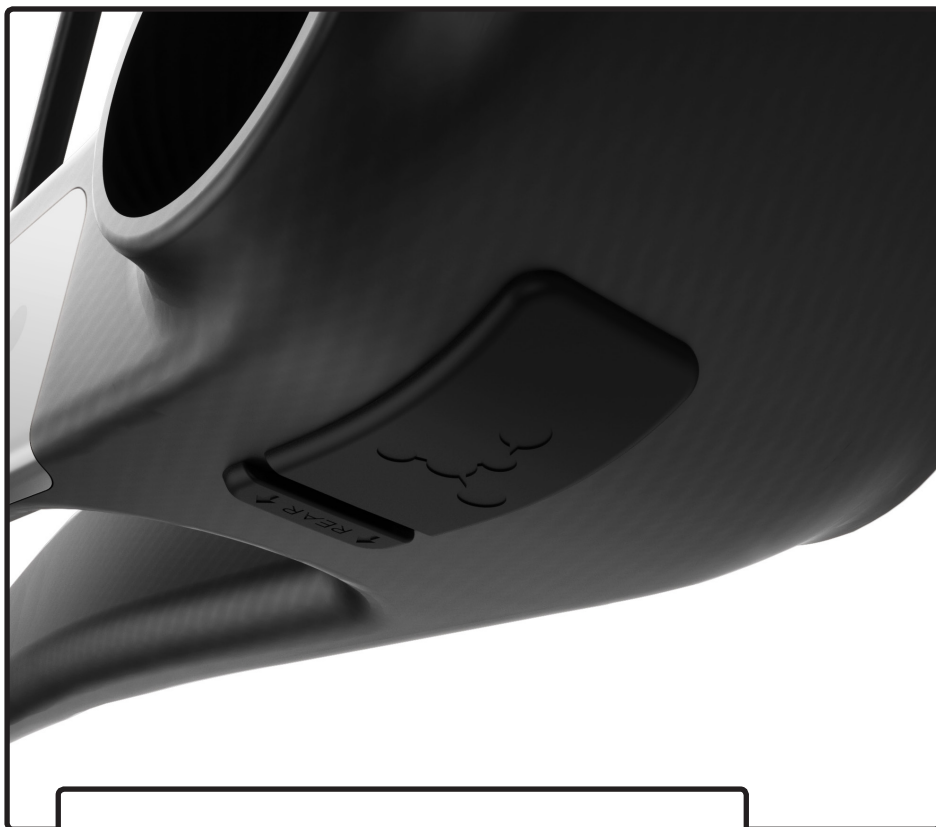
Exit the hydraulic brake hose through the hole on the chain stay.



Rear derailleur cable and rear brake housing must be routed on the right side in the inside of the downtube.

Rear brake housing need to routed above the bb carbon sleeve.

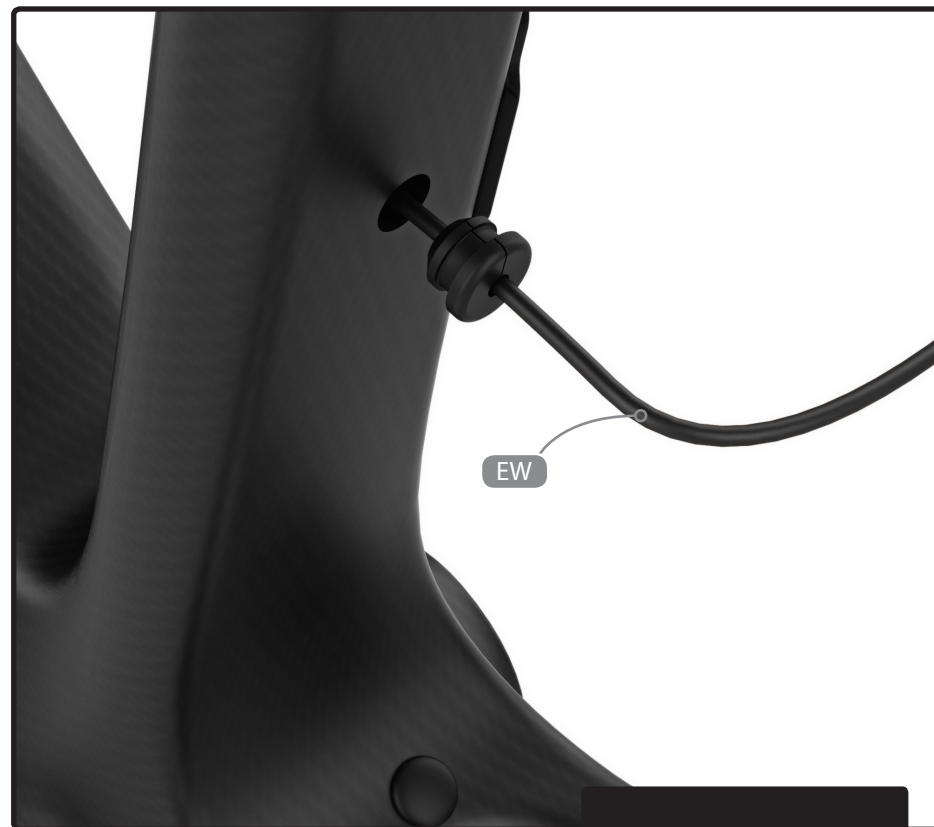
Red line: brake cable/housing / Yellow line: derailleur cable/housing



Use the square hole to connect all the wires to the junction box.

Insert the junction box in the hole.

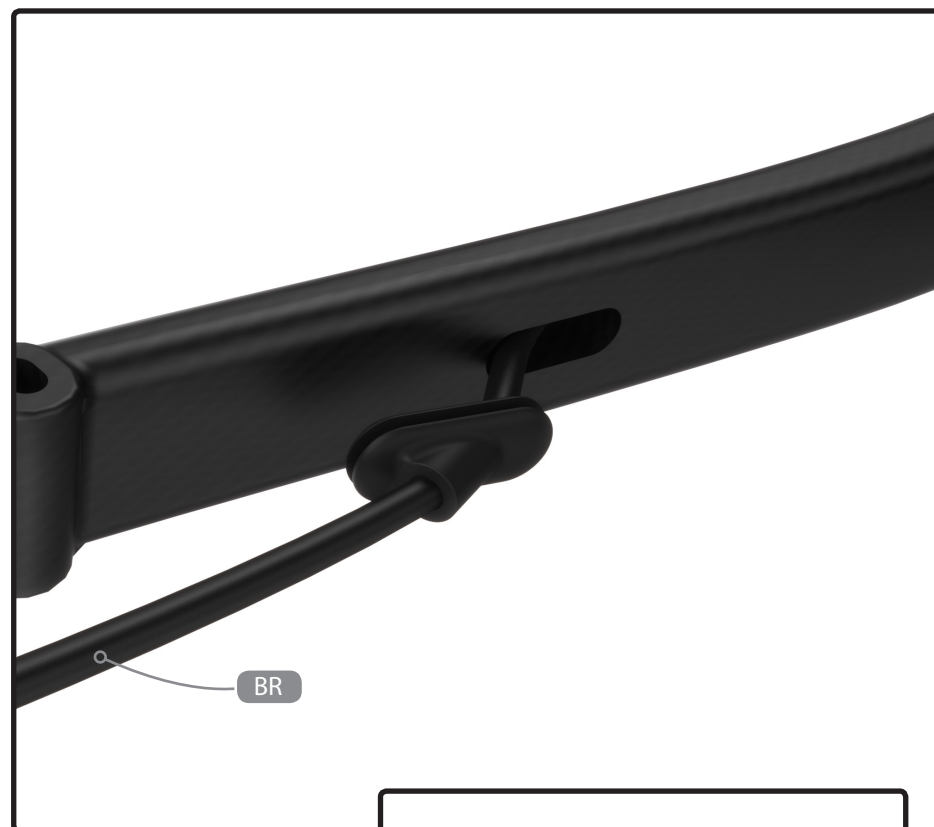
Insert the BB cover in the square hole until it clicks.



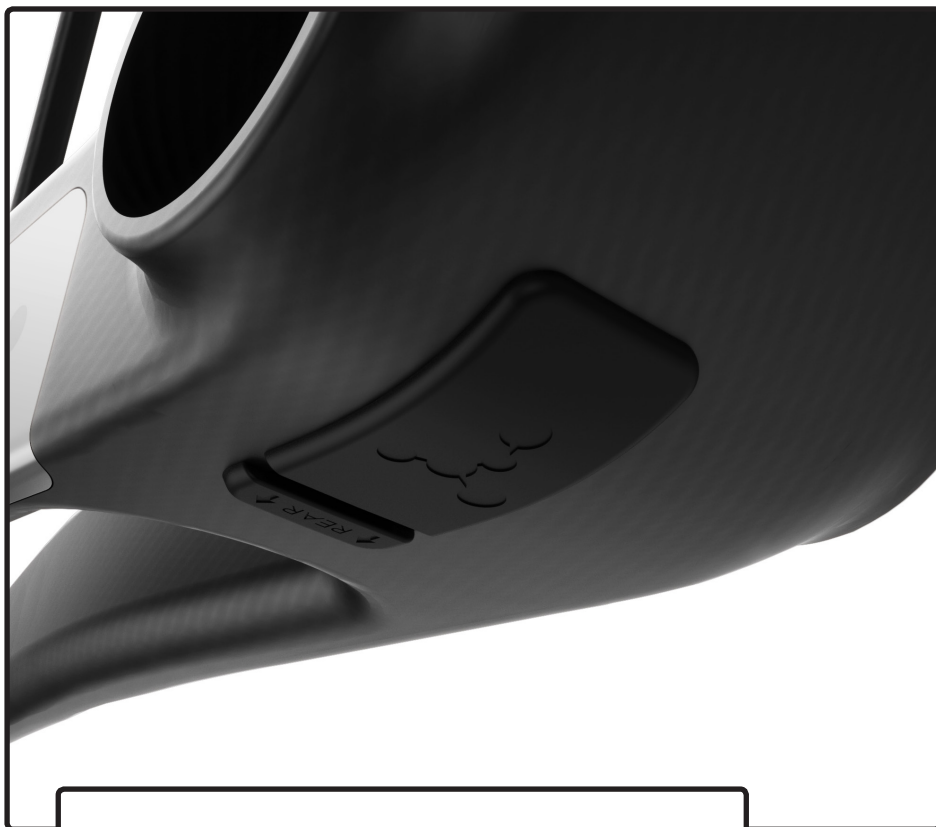
EW = Electronic Wire



BR = Brake Hose
EW = Electronic Wire



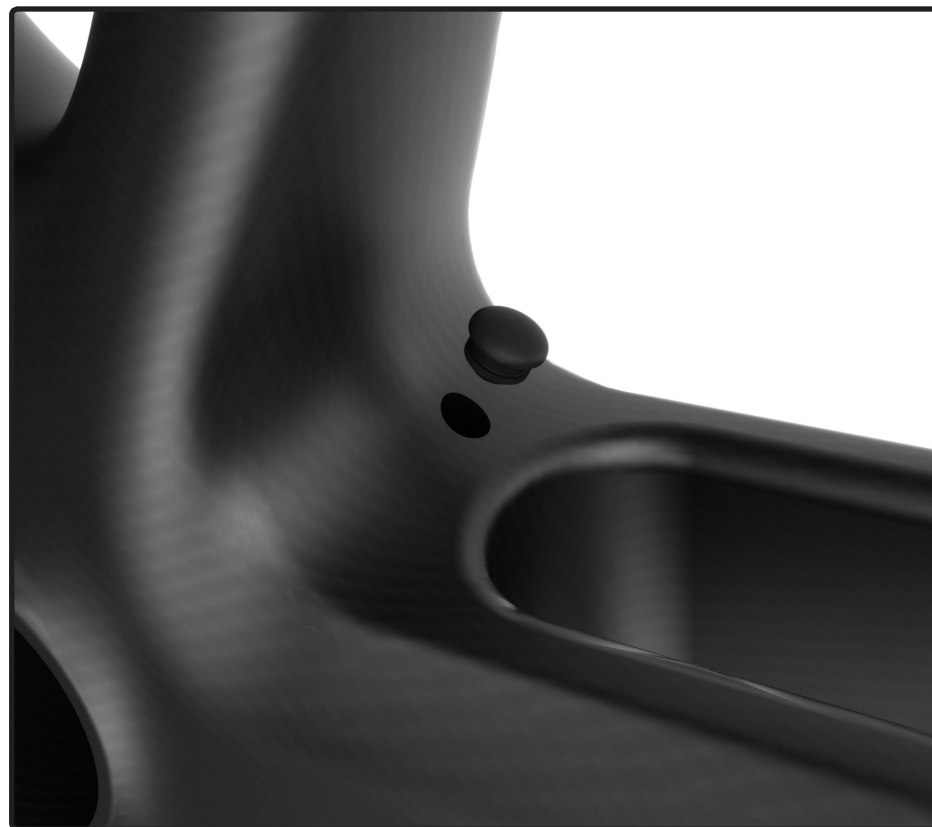
Exit the hydraulic brake hose through the hole on the chain stay.



Use the square hole to connect all the wires to the junction box.

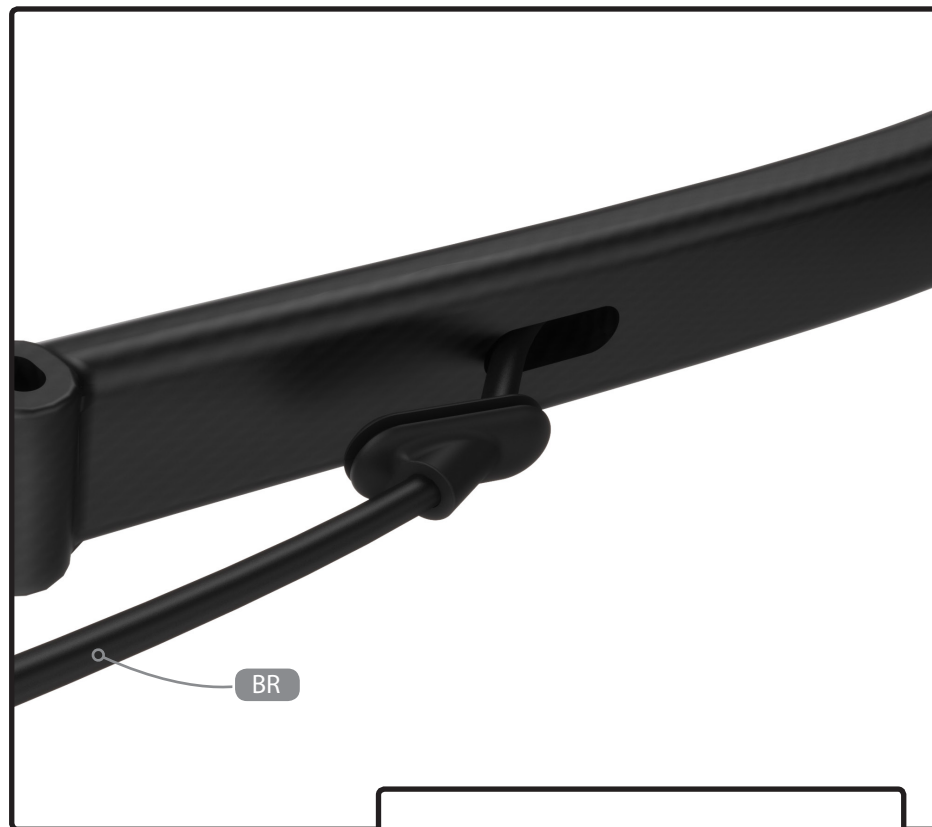
Insert the junction box in the hole.

Insert the BB cover in the square hole until it clicks.





BR = Brake Hose



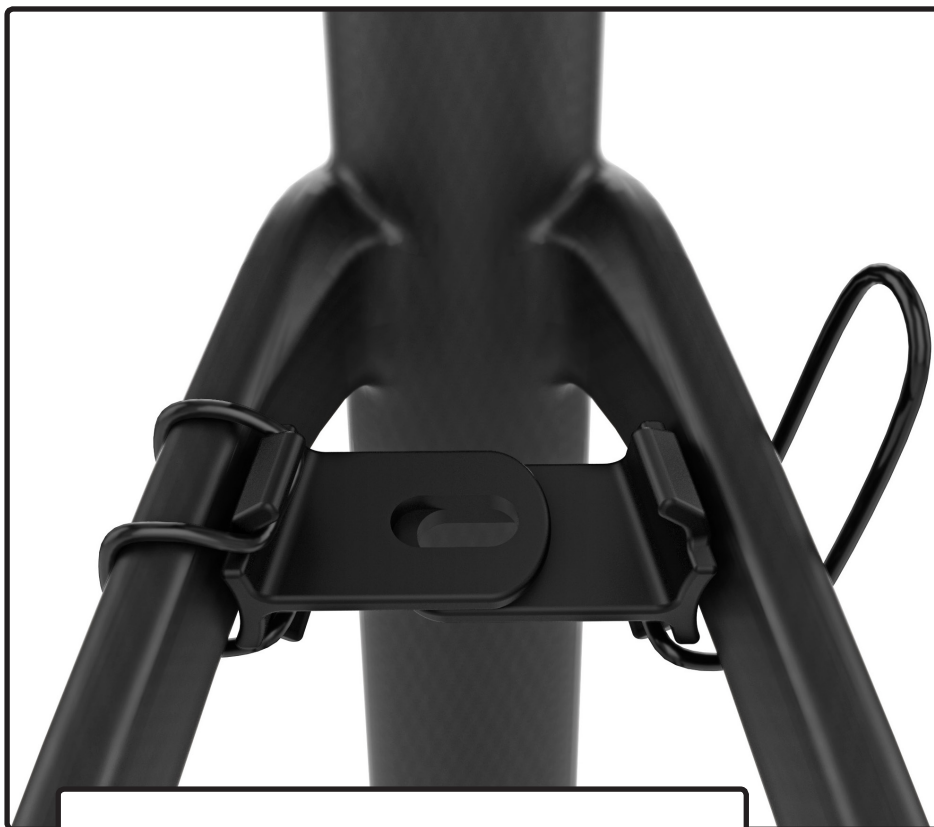
Exit the hydraulic brake hose through the hole on the chain stay.



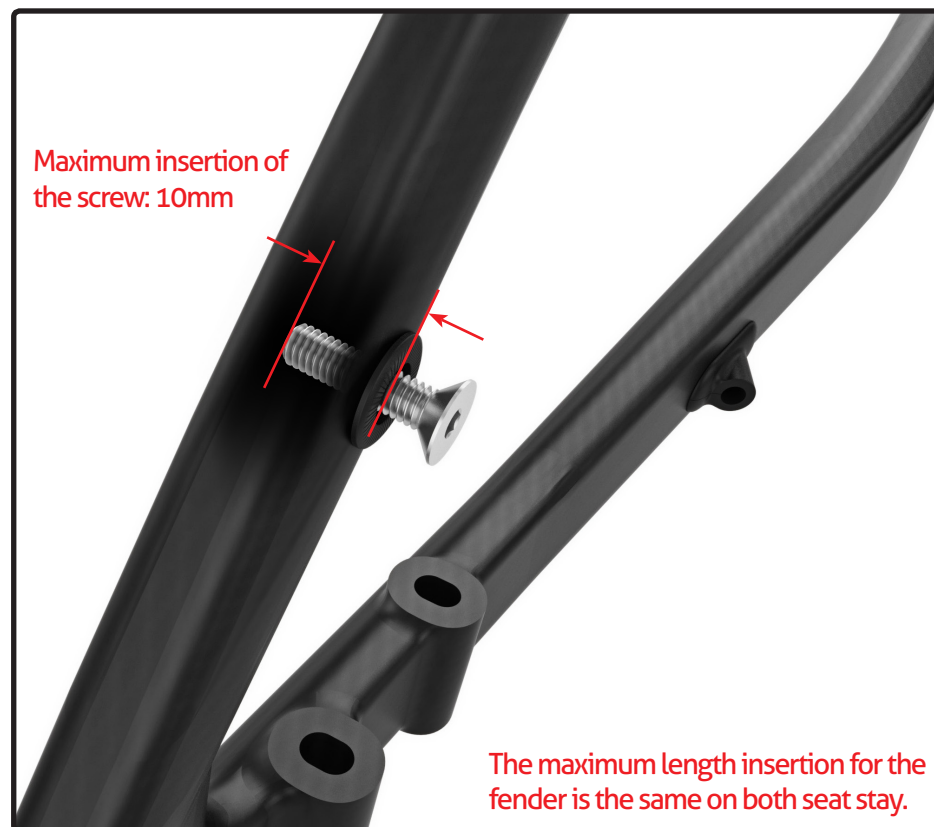
1. Select the corresponding chain catcher. The selection of the correct chain catcher is made in function of the size of the small chaining.

Small Chain Ring Size	Chain Catcher
34-36	Small
38-42	Large

2. Insert the screw in the chain catcher and place the lock washer between the frame and the piece. Secure the assembly loosely to be able to adjust the parts.
3. Place the tip of the chain catcher at approximately 2mm to the inner side of the small chain ring. And torque at 3Nm.



- i. According to the model of fender using place the bracket at the correct height on the seatstay.
- ii. Secure the fender bracket with the 2 attached rubber band making sure that the 2 plastic parts are well overlapping.
- iii. When securing the fender on your seatstay, make sure that the screw is not longer than 12mm.







No.	Name	Assembled on	A18 SKU#	Qty
#	Parts already assembled			
	Front derailleur hanger	Frame	-	1
	Chain suck guard	Frame	-	1
	Seatpost collar	Frame	80801	1
	Rear derailleur hanger	Frame	80802	1
	Removable cable stopper	Frame	80803	1
	Long plug	Frame	80804	1
	Small chain catcher	Frame	80806	1
	Water bottle screws	Frame	80807	4
	M5 plastic plug	Frame	80264	8
#	Parts			
	Krypton CS frame	-	-	-
	Krypton GF frame	-	-	-
	Krypton CS fork XXS-XS	-	FK.KRYCS.XXS-XS.273B	1
	Krypton CS fork S-XL	-	FK.KRYCS.S-XL.273B	1
	Krypton GF fork XXS-XS	-	FK.KRYGF.XXS-XS.273A	1
	Krypton GF fork S-XL	-	FK.KRYGF.S-XL.273A	1
	Krypton CS seatpost	Seatpost	SP.KRYCS.273B	1
	Krypton GF seatpost	Seatpost	SP.KRYGF.273A	1
	Krypton CS headset cap – 0mm	Frame	80790	1
	Krypton CS headset cap – 15mm	Frame	80791	1
	Krypton CS headset cap – 30mm	Frame	80792	1
	Krypton GF headset cap – 0mm	Frame	80827	1
	Krypton GF headset cap – 15mm	Frame	80828	1
	Krypton GF headset cap – 30mm	Frame	80829	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.



No.	Name	Assembled on	A18 SKU#	Qty
#	Parts			
	No. 30 + 3D with TH-881-1 headset assembly	Frame	80771	1
	Krypton CS Console cover external system	Frame	80830	1
	Krypton CS Console integrated system	Frame	80831	1
	Krypton GF Console cover external system	Frame	80793	1
	Krypton GF Console cover internal system	Frame	80794	1
	Console insert for mechanical drivetrain	Frame	80795	1
	Console insert for internal junction A box	Frame	80799	1
	Console Ring for internal junction A box	Frame	80800	1
	Console insert for wireless drivetrain	Frame	80796	1
	Console insert for 1x11 groupset	Frame	80797	1
	Console insert for external junction A box	Frame	80798	1
	Long Di2 grommet	Frame	80805	2
	Rear derailleur hanger direct mount	Frame	80832	1
	Chain catcher (incl. small / large, washer and screw)	Frame	80806	1
	BB cable guide	Frame	80547	1
	BB cable cover	Frame	80548	1
	Oblong cable guide	Frame	80551	1
	Fender bracket	Frame	80808	1
	Krypton CS Rear thru axle	Frame	80810	1
	Krypton CS Front thru axle	Fork	80809	1
	Krypton GF Rear thru axle with removable handlebar	Frame	80813	1
	Krypton GF Front thru axle	Fork	80812	1
	Seatpost battery holder	Seatpost	38446	1
	Foam liner	Frame	80811	1