



Valid for MY2020-2021 Gallium CS Disc 322A / 322B / 322C
Revision 2.0 - 27.09.2020



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My Gallium CS Disc

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 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
(*available separately)



80546

80802

80832*



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

1. Frameset parts (see p.5-6)
2. All the necessary bolts (refer to Frameset Parts, p.5-6)

WHEN ASSEMBLING YOUR NEW GALLIUM CS DISC, MAKE SURE YOU FOLLOW THIS PROCEDURE:

3. Inspect the frame for cosmetic aspect (scratches, bumps, cracks, paint defect, etc.)
4. For reference, check serial number and write it on p.2
5. For optimal shifting performance, use a dropout alignment gauge to make sure that the drive-side dropout is straight (p.11)

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	Torque Nm	Detail
Water bottle cage screws	Screw (4x)	5 mm	3 Nm	Grease
Chain stay cable guide	Screw (2x)	3 mm	1.5 Nm	Grease
Seat post collar	M5 Screw (1x)	Socket head	4Nm	Grease
Seat post head	M5 Screws (2x)	Socket head	4.5Nm	Grease
Rear derailleur hanger	M4 Screw (1x)	Flat head	2Nm	Loctite



FK.GALLCS_D.XXS-S.322A
 FK.GALLCS_D.M-XL.322A
 FK.GALLCS_D.XXS-S.322B
 FK.GALLCS_D.M-XL.322B
 FK.GALLCS_D.XXS-S.322C
 FK.GALLCS_D.M-XL.322C





No.	Name	A18 SKU#	Qty
Parts included in the frameset			
1	GALLIUM CS DISC FRAME	NOT AVAILABLE AS SPARE PART	1
	Gallium CS Disc Fork (XXS/XS/S), 254mm steerer	FK.GALLCS_D.XXS-S.322A FK.GALLCS_D.XXS-S.322B FK.GALLCS_D.XXS-S.322C	
2	-OR-		1
	Gallium CS Disc Fork (M/L/XL), 302mm steerer	FK.GALLCS_D.M-XL.322A FK.GALLCS_D.M-XL.322B FK.GALLCS_D.M-XL.322C	
3	BB CABLE GUIDE - MECHANICAL	80547	1
4	OBLONG PLUG	80549	2
5	OBLONG HYDRAULIC BRAKE HOUSING GROMMET	80551	2
6	REMOVABLE CABLE STOPPER	80552	1
7	Flat Head Socket Cap Screw - M3 x 0.5 x 10mm LG	80555	2
8	SEATPOST COLLAR	80546	1
9	TOP TUBE BRAKE CABLE STOPPER	38879	2
10	REAR DERAILLER HANGER (INCL. HANGER, DROPOUT AND SCREW)	80802	1
11	WATER BOTTLE SCREW - M5 x 18mm	80807	4
12	ROUND PLUG	80554	2
13	LONG PLUG	80804	1
14	FOAM LINER	80811	1
15	Headset No.37 + 3D Assembly, with compressor TH-881-1	38661	1
16	A18 REAR THRU AXLE M12x161	81053	1
17	A18 FRONT THRU AXLE M12x119	81052	1
18	A18 THRU AXLE LEVER	81054	1
Optional parts available separately for electronic shifting configurations and RD direct mount hanger			
-	LONG GROMMET Di2	80805	1
-	OBLONG GROMMET	80550	2
-	ROUND Di2 GROMMET	80553	2
-	BB COVER - ELECTRONIC	80548	1
-	Internal Seat Post Di2 Battery Support	38446	1
-	Direct Mount Rear Derailleur Hanger	80832	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.



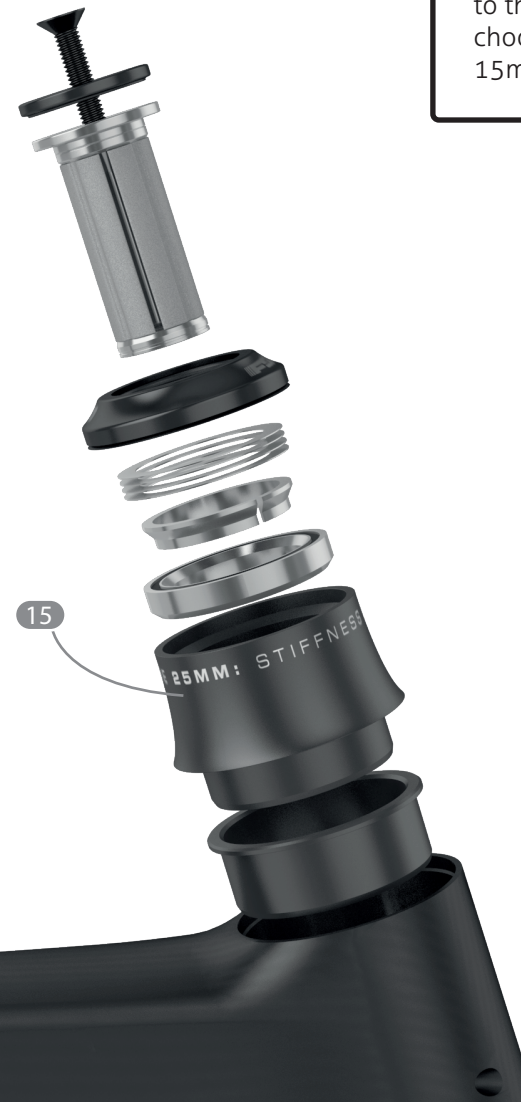
Install the 3D headset (15) according to the pressfit assembly guide. You can choose from 3 different heights: 25mm, 15mm or 0mm.

IMPORTANT:

No more than 30mm of spacers can be placed between the stem and the top cap of the 3D system.

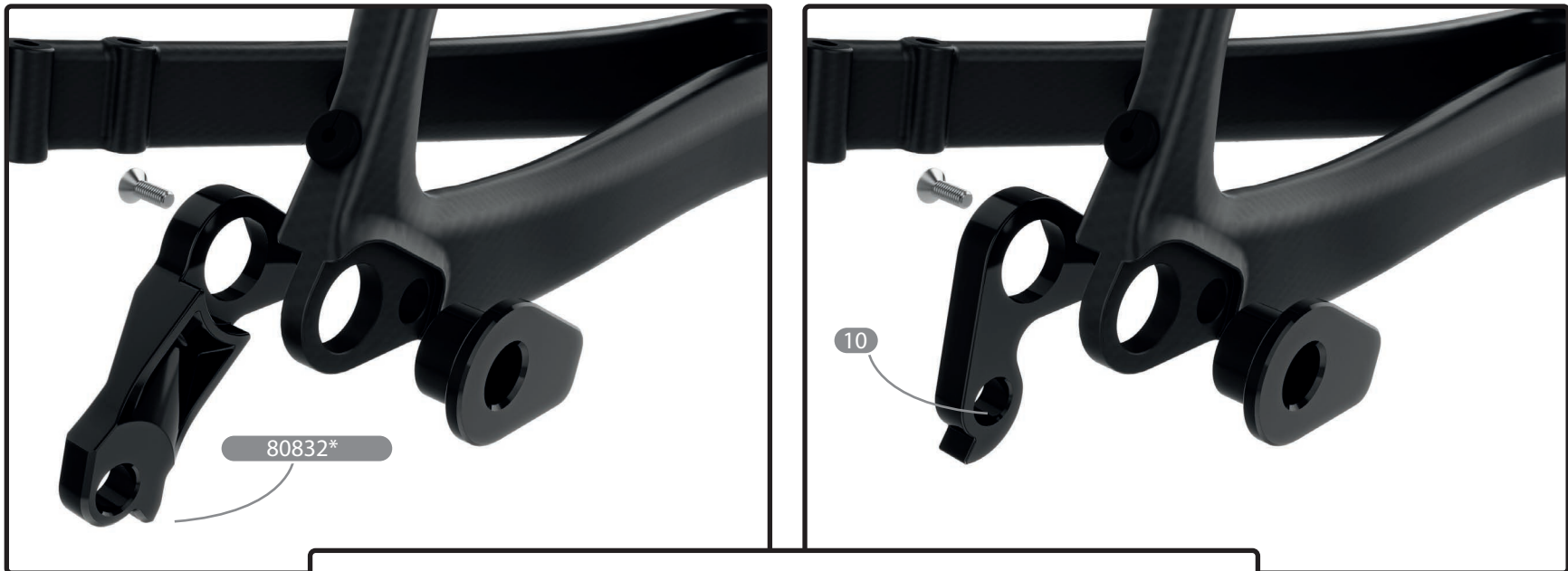
The steerer must be trimmed no more than 5mm above the stem. The use of more than 5mm of spacers above the stem could void the efficiency of the compressor.

These practices will automatically cancel any warranty claim against the manufacturer.





Assemble the seat post collar (8) with the seat post (available separately). Apply carbon paste inside the frame's seat tube and on the seat post where it inserts inside the frame. Tighten the bolt at 4 Nm.



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

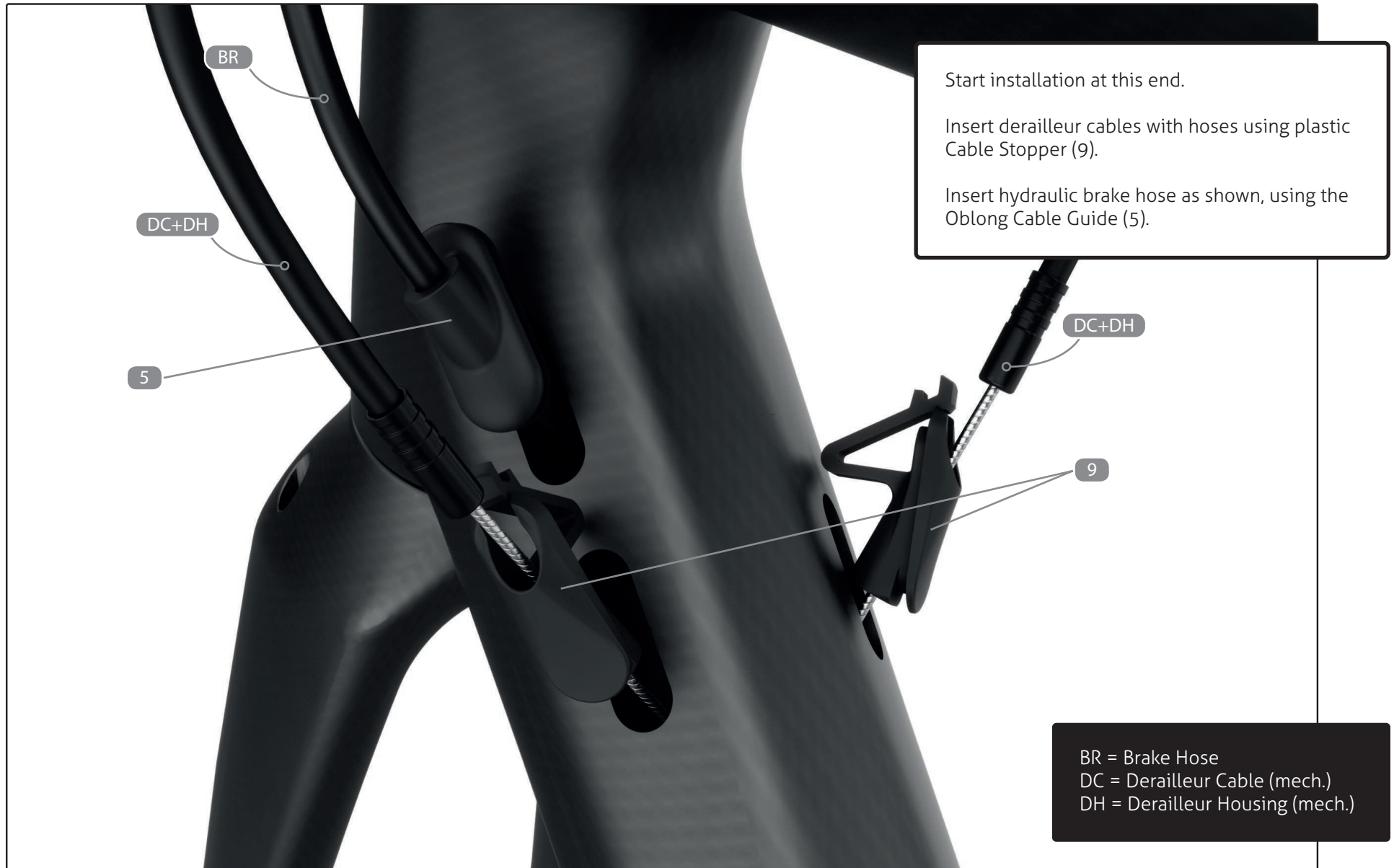
- Direct mount (80832) *available separately
- Regular mount (10)

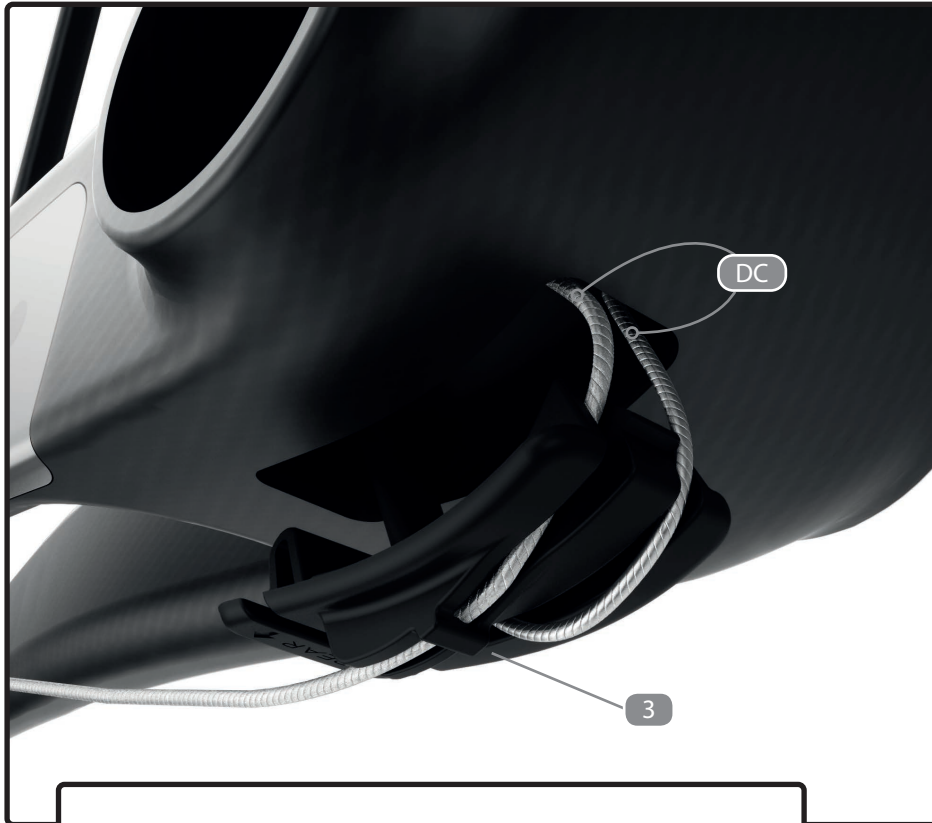
2. Make sure to align the rear derailleur hanger.

3. Use Derailleur Hanger Alignment Gauge like Park Tool Item #DAG-2.2.

For any assistance, visit Park Tool's website:

www.parktool.com/product/derailleur-hanger-alignment-gauge-dag-2-2





Exit derailleur cables through bottom bracket (BB) hole.

Insert in the appropriate slots in the BB guide (3).

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

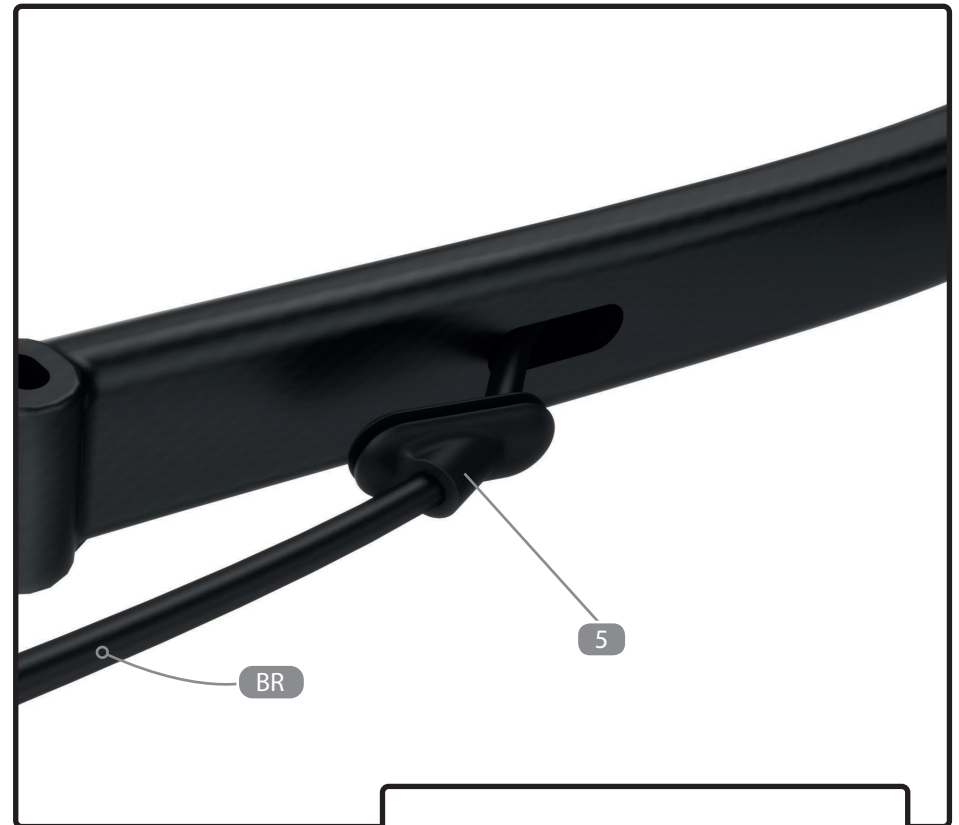
Plug the FD Hange hole with the Round Plug (12).



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.



*** Optional parts available separately for electronic shifting configurations**



Start installation at this end.

Insert electronic wire and hydraulic brake hose as shown with the use of the Oblong Cable Guide (5), **Oblong Plug* (80550)** and **Oblong Grommet* (80805)**.

BR = Brake Hose
EW = Electronic Wire



* Optional parts available separately for electronic shifting configurations



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

Insert the junction box in the hole.

Insert the **BB cover* (80548)** in the rectangular hole until it clicks.

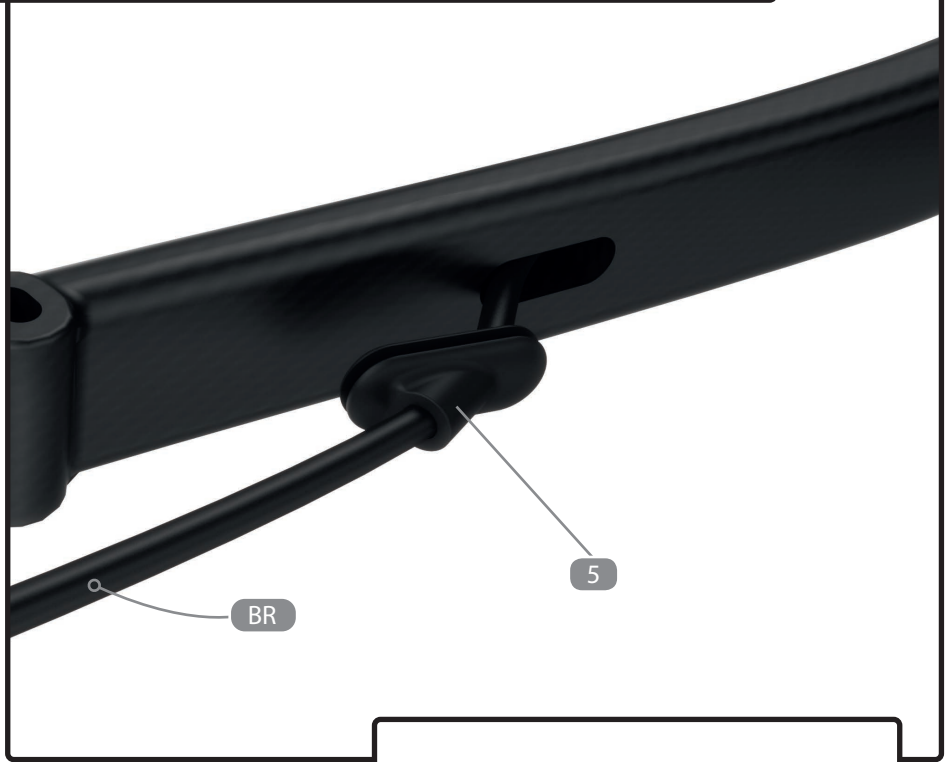
Use the **Round Di2 Grommet* (80553)** to secure the Di2 cable in the FD hole.

Plus the hole near the BB with the Round Plug (12).

EW = Electronic Wire



*** Optional parts available separately for electronic shifting configurations**



BR = Brake Hose
EW = Electronic Wire

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



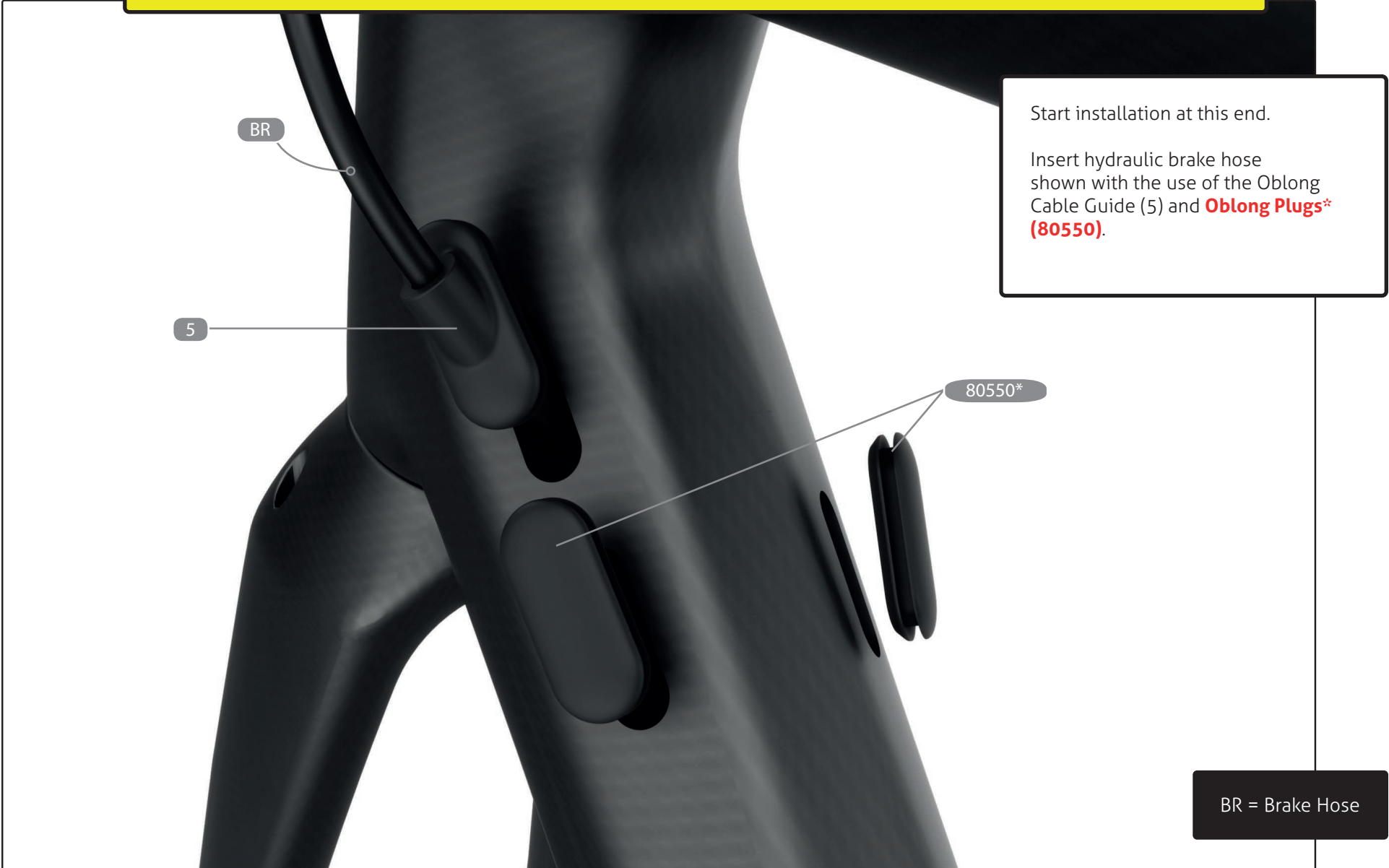
*** Optional parts available separately for electronic shifting configurations**

The Di2 battery is hidden in the seatpost; use the **Di2 battery holder* (38446)** to fix the battery correctly. Apply a slight amount of grease on both parts.





*** Optional parts available separately for electronic shifting configurations**



Start installation at this end.
Insert hydraulic brake hose shown with the use of the Oblong Cable Guide (5) and **Oblong Plugs* (80550)**.

BR = Brake Hose



*** Optional parts available separately for electronic shifting configurations**



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

Insert the junction box in the hole.

Insert the **BB cover* (80548)** in the rectangular hole until it clicks.

Use the Round Plugs (12) to plug holes near the FD hanger and BB.



*** Optional parts available separately for electronic shifting configurations**



BR = Brake Hose

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



SPECIFICATIONS

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: 30mm
- Rear flat mount fixing bolt length (for 140mm rotor): 43mm
- Rear converter fixing bolt length (for 160mm rotor): 36.8mm

Axles

Thru-axles 12mm, with one (1) removable handle. Axles are included with frameset.

Tire Clearance

Up to 28c (30mm) tire clearance.

Seat Post

27.2mm (available separately)

Seat Post Clamp

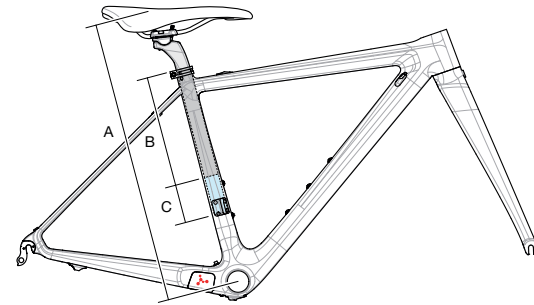
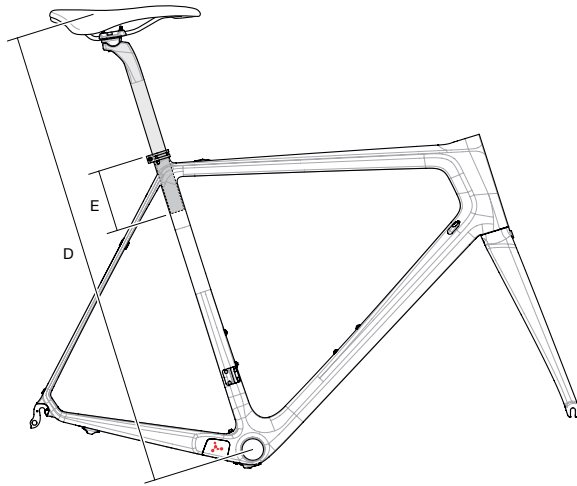
30.7mm

Bottom Bracket

BB86 (Press-fit)

Headset

FSA No 37 + 3D Press-fit (Bearing 1 1/8" , 36°x45° top and 1 1/2" , 36°x45° bottom + FSA TH-881-1 Compressor included)



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 XXS-Gallium disc Frame
 - The required minimum SeatPost Cut length is: 65 - (600-540) = 5mm
 - E. Minimal insertion depth in the Frame's SeatTube.

Saddle Height Limits		Gallium CS 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
XX-Small	540	215	65	740	80
X-Small	575	245	35	775	80
Small	613	250	30	813	80
Medium	650	285	0	850	80
Large	685	320	0	885	80
X-Large	715	350	0	915	80