



2026 NEXAR USER MANUAL



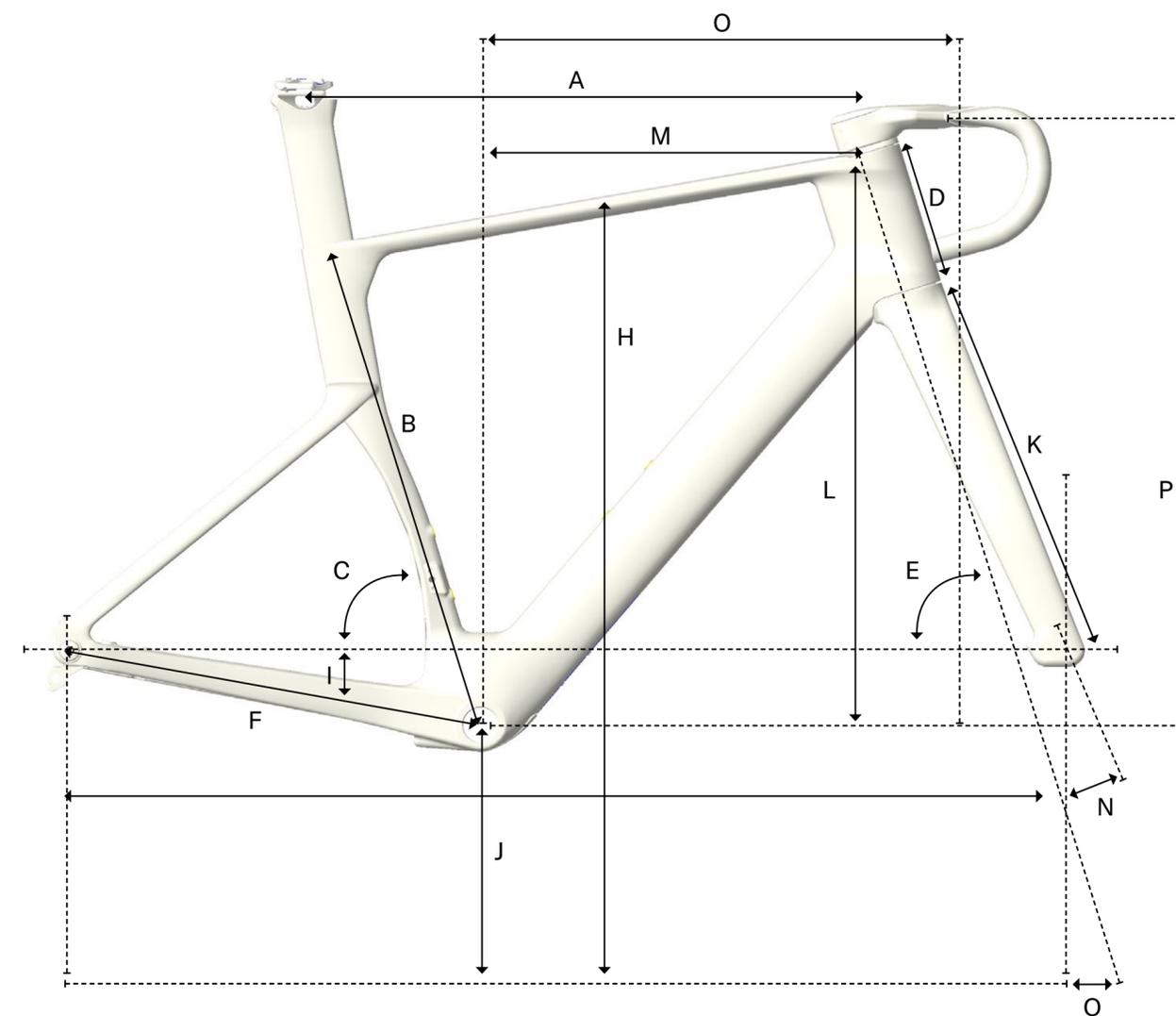


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GEOMETRY CHART

FRAME SIZE		XXS 44	XS 49	S 52	M 54	L 56	XL 58	XXL 61
RIDER INTENDED HEIGHT	[cm]	142-155	155-163	163-170	170-175	175-180	180-188	188-196
REACH (M)	[mm]	355	365	370	380	390	395	405
STACK (L)	[mm]	504	522	537	558	576	600	631
TOB TUBE HOR. (A)	[mm]	485	505	524	540	561	578	604
SEAT TUBE LENGTH (B)	[mm]	425	445	465	490	515	540	570
SEAT TUBE ANGLE (C)	[°]	75,5	75,0	75,0	74,5	74,0	74,0	73,5
HEAD TUBE LENGTH (D)	[mm]	90	105	120	140	160	185	215
HEAD TUBE ANGLE (E)	[°]	70,5	71,5	72,5	73,0	73,5	73,5	74,0
CS LENGTH (F)	[mm]	408	408	408	408	408	408	408
STANDOVER (H)	[mm]	723	735	755	778	802	826	855
BB DROP (I)	[mm]	75,0	75,0	72,5	72,5	70,0	70,0	70,0
BB HEIGHT (J)	[mm]	265	265	267,5	267,5	270,0	270,0	270,0
FORK RAKE (N)	[mm]	50	50	50	44	44	44	44
EFFECTIVE REACH (O)	[mm]	429	444	460	470	481	495	506
EFFECTIVE STACK (P)	[mm]	556	560	574	594	611	621	652
TRAIL	[mm]	67	61	55	58	55	55	52





TOOLS AND MATERIALS

ASSEMBLY MATERIALS

-  Grease Assembly grease
-  Thread Locker Use medium strength thread locker (Recommended: Loctite 243)
-  Carbon Paste Assembly paste for specific carbon parts

TOOLS

- Bicycle workstand (types which secure bike by the seatpost, or professional stand with fork mount)
- Torque wrench(es) with 2.5 N·m to 15 N·m and / or 10 N·m to 60 N·m range and adaptors
- Allen (Hex) head inserts: 2 mm, 2.5 mm, 3 mm, 4 mm, 5 mm, 6 mm, 8 mm, 10 mm
- Torx head inserts: T10, T25
- Phillips-head and slot-head screwdrivers
- Brake rotor lockring and / or bottom bracket cup tools
- Hydraulic brake bleed kit
- Isopropyl alcohol
- Parts group specific tools: Shimano - Di2 wire tool, SRAM - FD setup tool, RD Chaingap Adjustment Gauge
- Hacksaw (with carbon specific blade)
- Internal cable routing tool

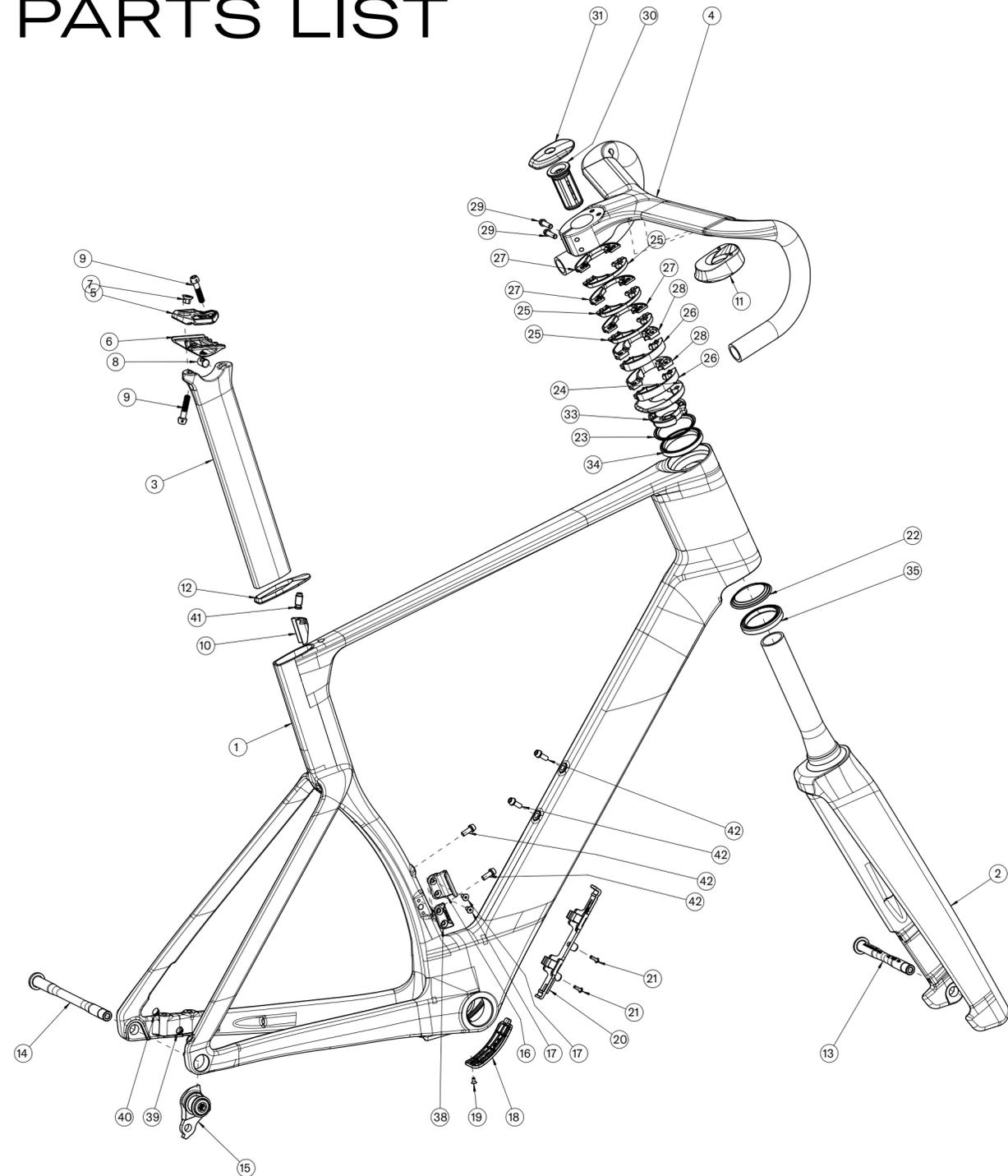


SPEC SHEET

MATERIAL	SPECIFICATION
FRAME	FELT Nexar
FORK	FELT Nexar
RECOMMENDED USE	ASTM - Category 1 (Road)
SIZES	XXS, XS, S, M, L, XL, XXL
FORK OFFSET	Sizes XXS-S: 50mm, M-XXL: 44m
MAXIMUM HEIGHT OF HEADSET SPACERS	35 mm stack spacers + frame spacer
HEADSET BEARINGS	Top: Angular contact bearing R2 40x52x7 Bottom: Angular contact bearing 42x52x7
COMPATIBLE WHEEL SIZE	700c
MAXIMUM TIRE WIDTH	32mm (as measured)
BOTTOM BRACKET	BSA
BOTTOM BRACKET SHELL WIDTH	68mm
FRONT AXLE MEASUREMENTS	12x100
FRONT AXLE THREAD PITCH	M12x1.5
REAR AXLE MEASUREMENTS	12x142mm
REAR AXLE THREAD PITCH	M12x1

MATERIAL	SPECIFICATION
SEATPOST	Sizes XXS-S: 250mm, M-XXL: 330mm
SEATPOST CLAMP	FELT Nexar
MAXIMUM LARGE CHAINRING SIZE	56
MINIMUM LARGE CHAINRING SIZE	46
MINIMUM SMALL CHAINRING SIZE	33
MAXIMUM SMALL CHAINRING SIZE	40
MINIMUM Q-FACTOR	Shimano 148 / SRAM 145
REAR DERAILLEUR HANGER	UDH
DRIVETRAIN COMPATIBILITY	Shimano (44.5mm chainline) SRAM (45mm chainline)
MINIMUM/MAXIMUM FRONT BRAKE DIAMTER	160/180
MINIMUM/MAXIMUM REAR DISC DIAMETER	140/160
CABLING	Internal
BOTTLE CAGE	2 on all sizes
UCI LEGAL CERTIFIED	Yes. Frame number: FELT-012
MAXIMUM WEIGHT (CYCLIST + EQUIPMENT + LUGGAGE)	120 kg

PARTS LIST



PART KIT NAME	CODE	REF. NUMBER	DESCRIPTION
FRAME	F14-FRM	1	NEXAR
FORK	F14-FK	2	NEXAR
SEATPOST 250MM	F14- SP-250	3	NEXAR
SEATPOST 330MM	F14- SP-330	3	NEXAR
HANDLEBAR	F14-22-HB	4	NEXAR
NEXAR SEAT CLAMP ASSEMBLY	F14-SC-K	5	SADDLE TOP CLAMP
		6	SADDLE BOTTOM CLAMP
		7	SADDLE REAR THREAD
		8	SADDLE FRONT THREAD
		9	SADDLE BOLT
NEXAR Seat Post Wedge Assembly	F14-SPW-K	10	SEATCLAMP WEDGE
		41	SEAT CLAMP BOLT
		12	SEAT CLAMP COVER
NEXAR Frame Plugs kit	F14-FP-K	17	SCREWS
		18	FD BATTERY COVER
		19	SCREW
		38	FD 1x PLATE
		39	GROMMET
		40	GROMMET
		NEXAR FSA ACR Stem Adapter	FE14-084-12-0
NEXAR Headset Frame Spacer	FE14-084-00-0	24	HEADSET FRAME SPACER
NEXAR Front Thru Axle	FE14-030-01-0	13	THRU AXLE (FRONT)
NEXAR Rear Thru Axle	FE14-030-02-0	14	THRU AXLE (REAR)
NEXAR Di2 Battery Clamp	F14-BC-K	20	BATTERY CLAMP
		21	SCREWS
NEXAR Headset Assembly	F14-HB-K	22	LOWER HEADSET SEAL
		23	UPPER HEADSET SEAL
		33	HEADSET COMPRESSION RING
		34	UPPER HEADSET BEARING
		35	LOWER HEADSET BEARING
NEXAR Headset Spacers	FE14-HS-K	25-28	HEADSET SPACERS
NEXAR Stem Clamp Bolts	F14-22-SCB-K	29	SCREWS
NEXAR Fork Expansion Plug	FE14-22-HSE	30	HEADSET EXPANSION DEVICE
NEXAR Headset Top Cover	FE14-074-00-0	31	HEADSET TOP COVER
NEXAR FD Hanger	FE22-092-00-1	16	FD HANGER
NEXAR Water Bottle Bolt	F14-22-BCB-K	43	WATER BOTTLE BOLTS
NEXAR Frame Vinyls	F14-FV-K		CS PROTECTOR
			CS-CHAIN PROTECTOR
UDH Hanger		15	UDH HANGER

MINIMUM/MAXIMUM SEATPOST INSERTION

The Nexar seatpost is available in two lengths: 250mm and 330mm.

FRAME SIZE	MINIMUM INSERTION	MAXIMUM INSERTION
	(mm)	(mm)
XXS	90	100
XS	90	115
S	90	135
M	90	135
L	90	155
XL	90	155
XXL	90	155

Important: Only clamp your bicycle on the seatpost. Clamping anywhere on the frame can cause damage.

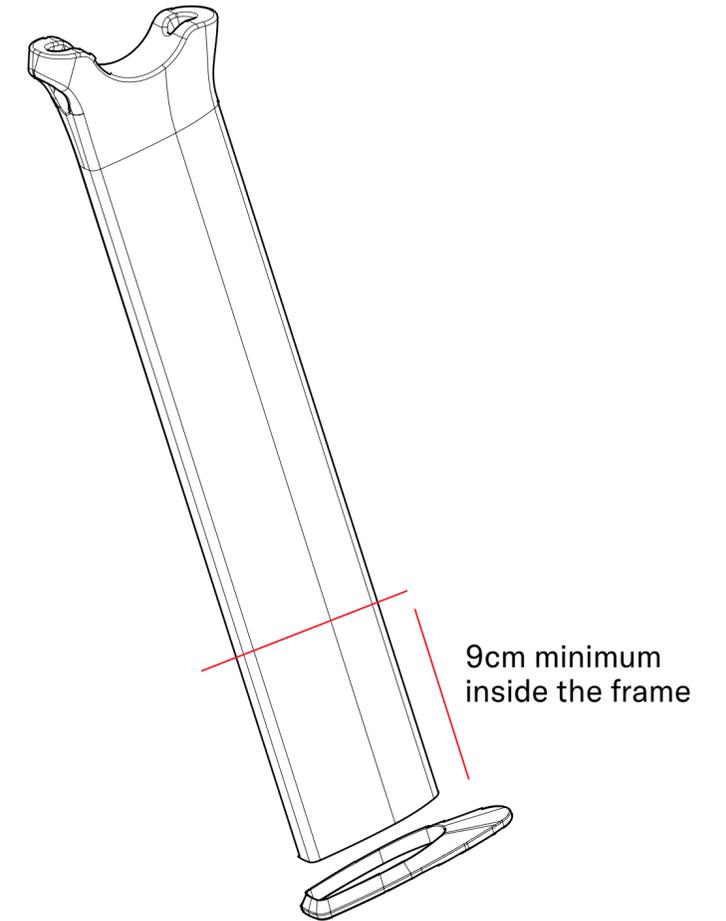
SEATPOST CUTTING INSTRUCTIONS

To reach your desired seat height it may be necessary to cut your seatpost.

Important: Do not over insert your seatpost as it can cause damage to the frame.

After first measuring your seat height carefully, please follow the below instructions to cut the post:

1. After first referring to the minimum required seatpost as per the table, measure and mark the seatpost where the cut needs to be made.
2. Insert the seatpost into a saw guide with the mark inline with the cutting guide and cut with a carbon specific saw blade.
3. Use fine grit sandpaper to remove any burrs from the edges.
4. Reinsert the seatpost into the frame with carbon paste and torque to spec.





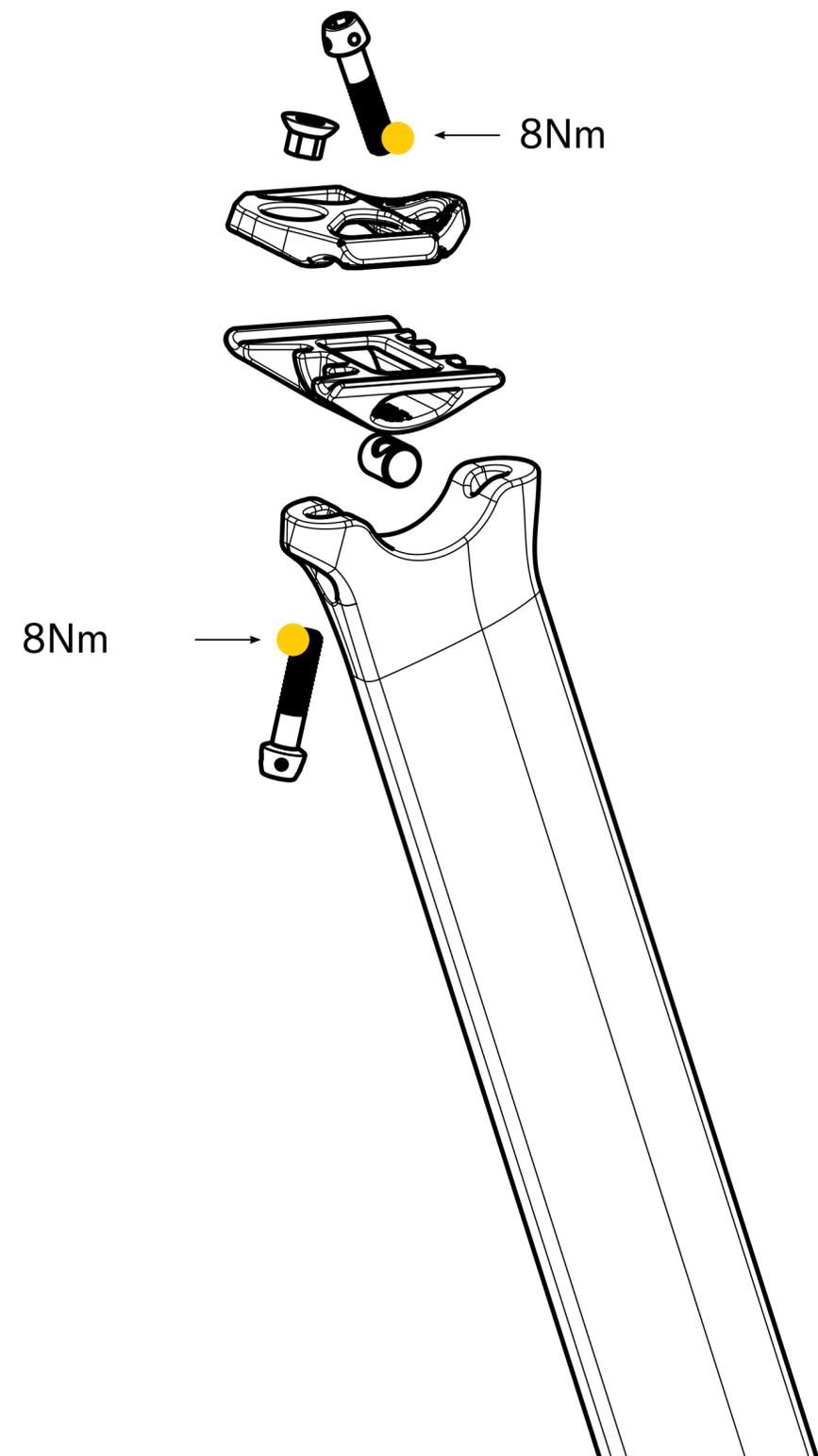
INSTALLATION

SEAT CLAMP

The seat clamp is compatible with both 7x7mm round rails and 7x9mm carbon rails.

The clamp base can be reversed to accommodate a further forward or rearward saddle position

 Grease





INSTALLATION

SEATPOST WEDGE

1. Interlock seat clamp parts and apply grease to the threads.

2+3. Insert the seat wedge assembly into the frame and hold it in place, insert the allen key and rotate the bolt counter clockwise threading into the frame.

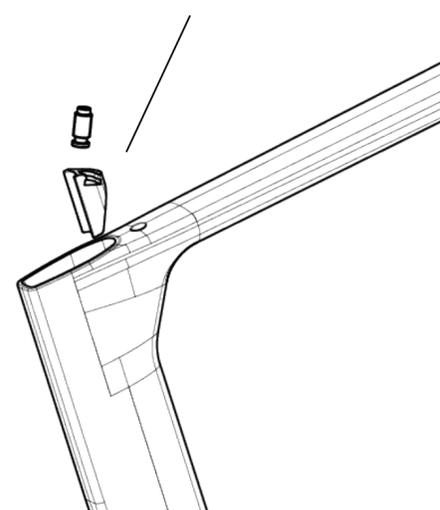
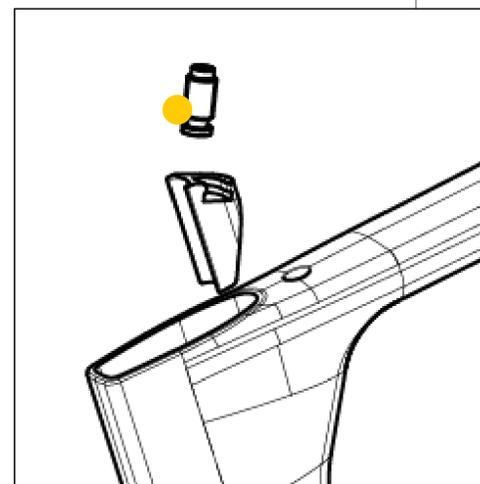
Important: Take care to not cross-thread the frame threads, doing so can damage the frame.

4. Install the dust cap, apply carbon paste to the seatpost and insert into the frame. Using a torque wrench tighten the bolt to max 6Nm.

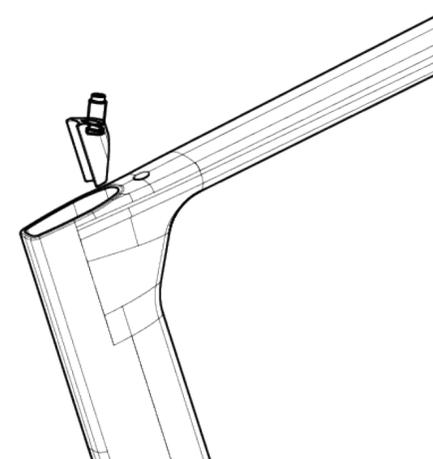
Adhere to the minimum and maximum seatpost insertion measurements.

 Carbon Paste

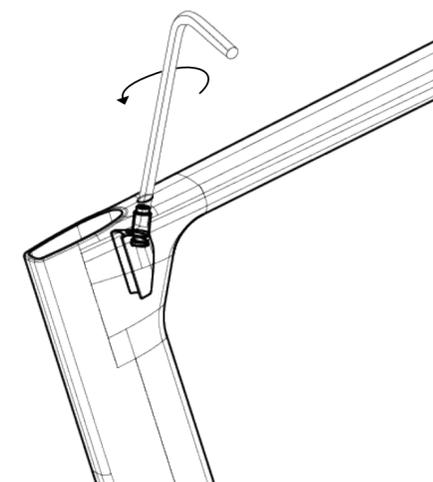
 Grease



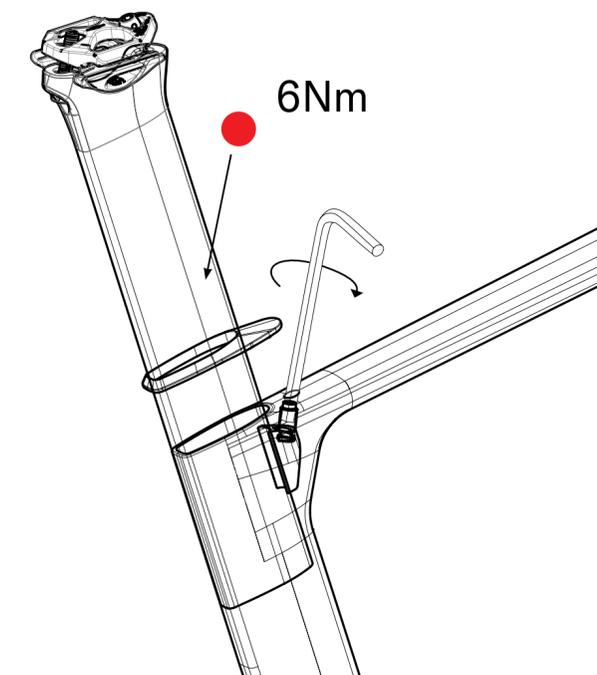
Step 1



Step 2



Step 3



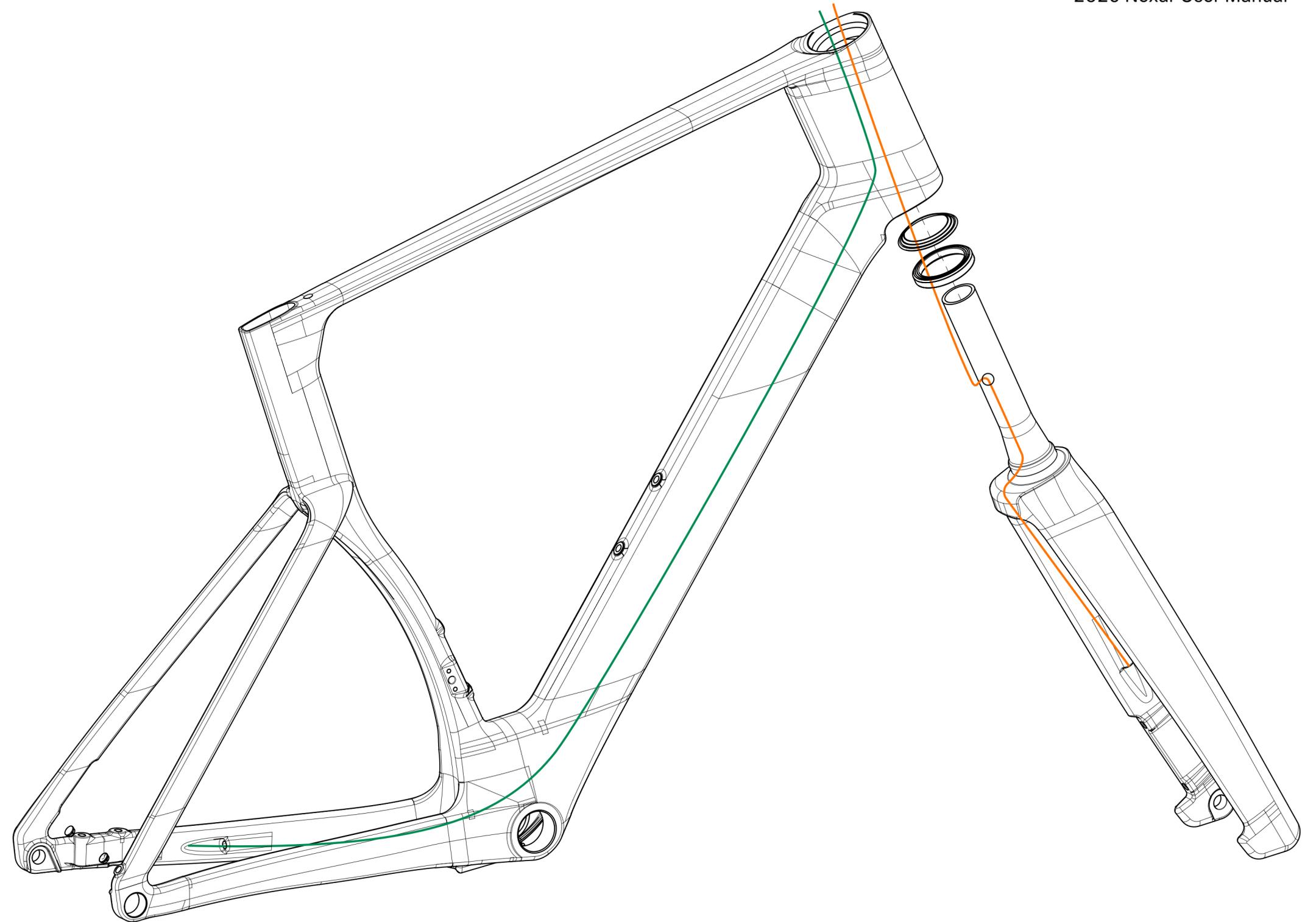
Step 4



INSTALLATION

BRAKE HOSE ROUTING

-  Rear Brake
-  Front Brake



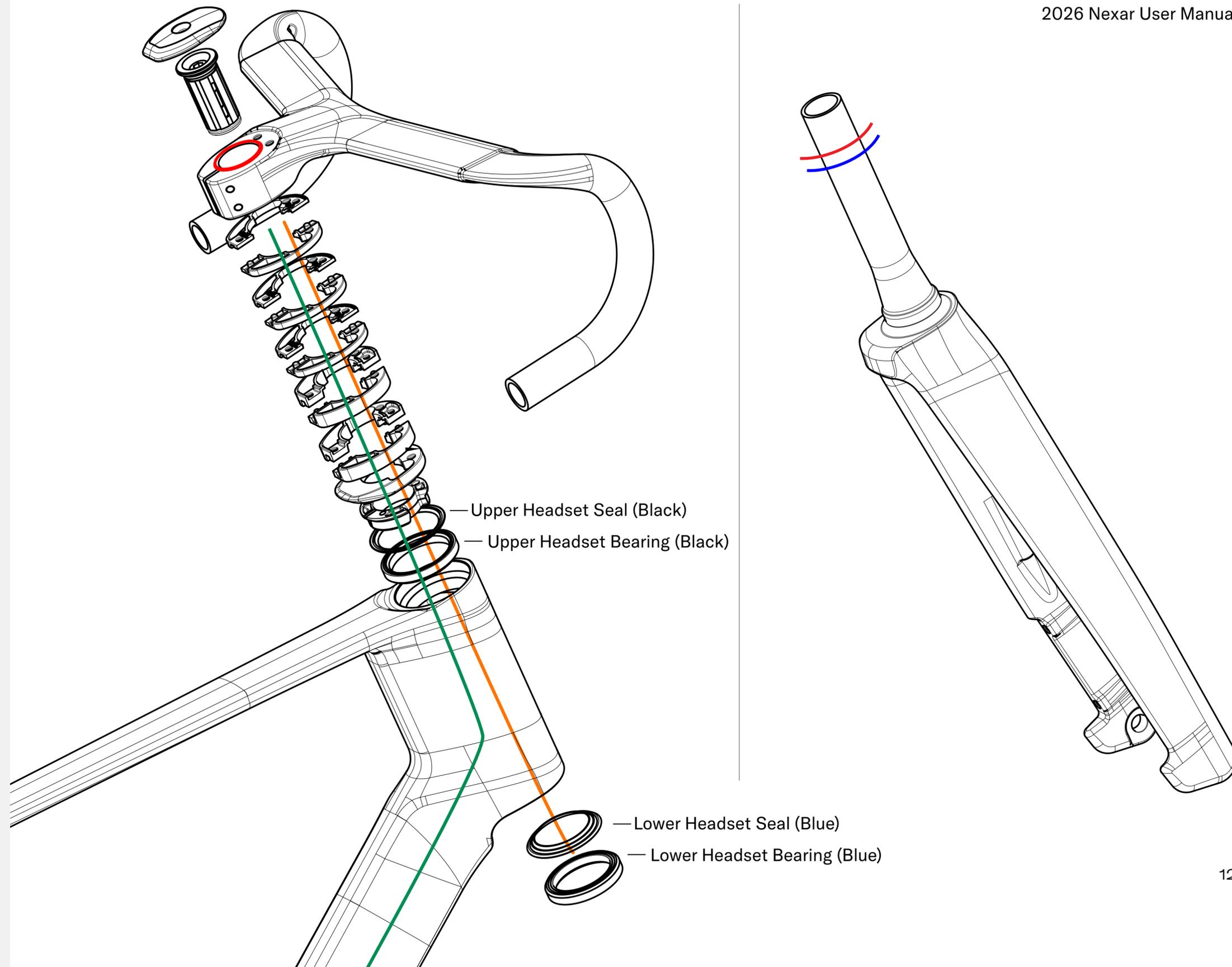


INSTALLATION

HEADSET + STEERER TUBE CUTTING

1. Mark the steerer tube at stem level (red) with the required spacers. The fork can accommodate a maximum of 35mm of spacer plus the frame spacer.
2. Mark a second line 5mm down from the original line (blue).
3. Cut using a saw guide and a carbon specific saw blade.
4. Install headset expander at 5Nm torque.
5. Once the preload is set the fork should be 2-3mm below the top of the stem.

-  Rear Brake
-  Front Brake

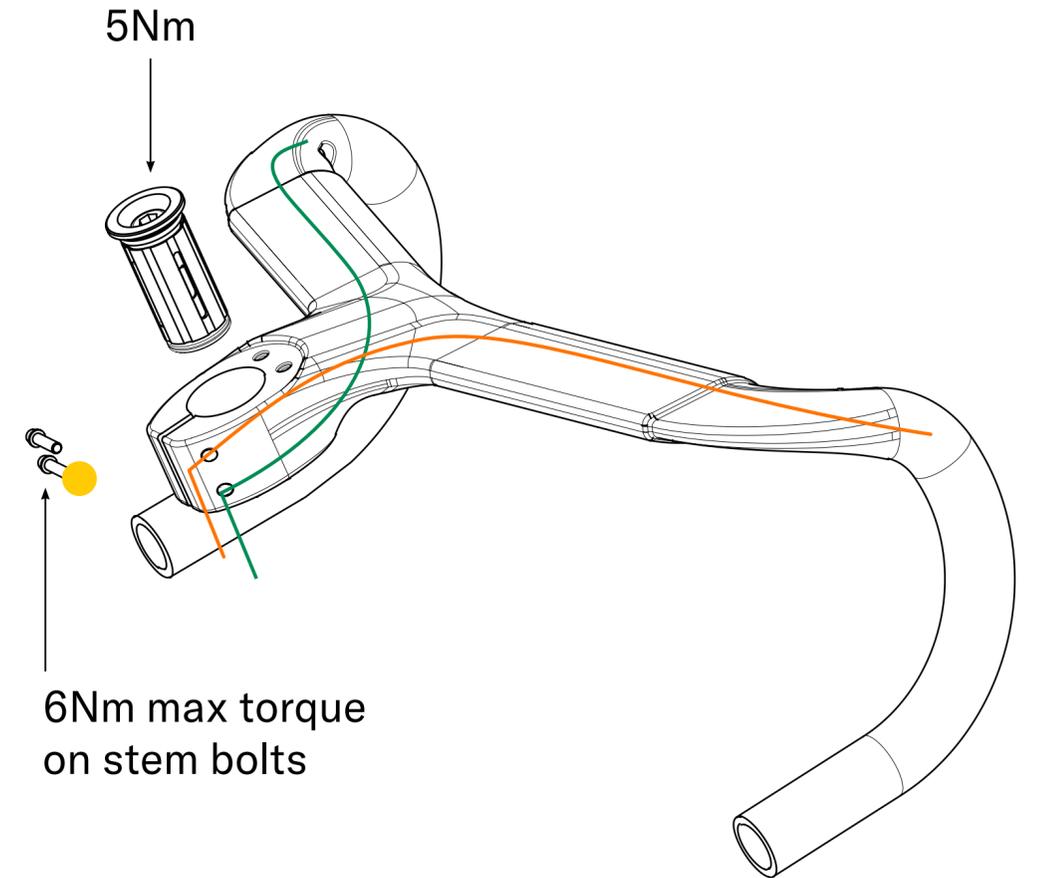
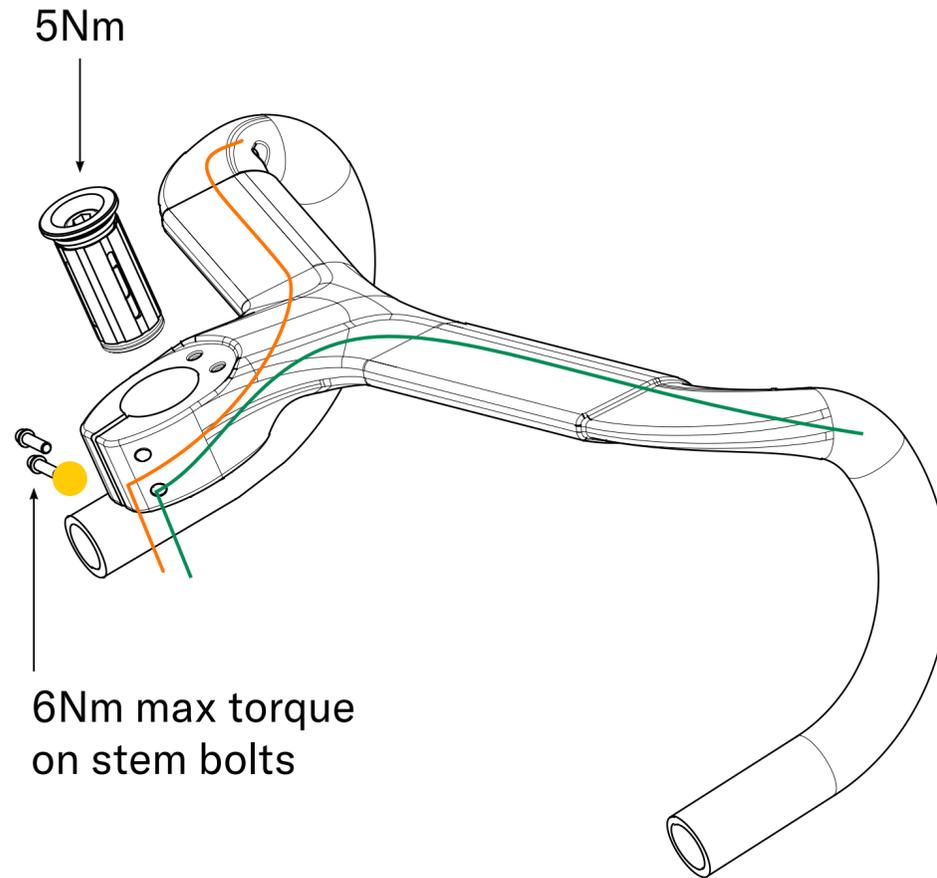




INSTALLATION

HANDLEBAR BRAKE HOSE ROUTING

-  Grease
-  Rear Brake
-  Front Brake



To setup right hand front brake, it is necessary to cross the hydraulic lines inside the handlebar.

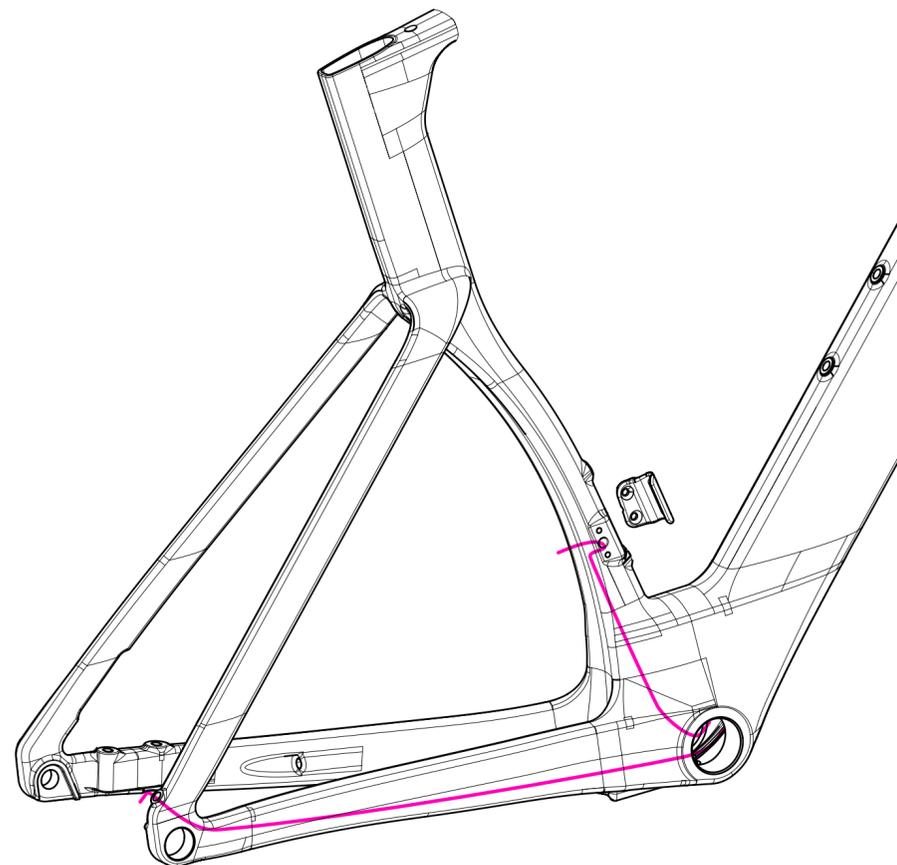
INSTALLATION

**FRONT
DERAILLEUR
HANGER**

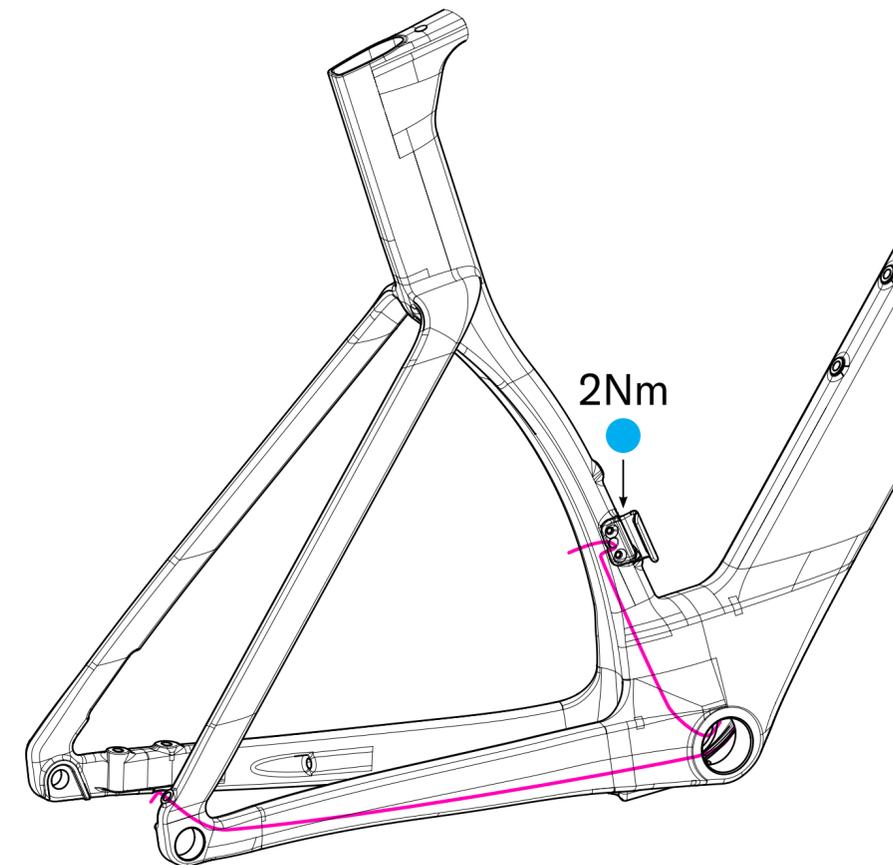
1. Route the Di2 cable through the opening in the frame.
2. Install the front derailleur hanger being careful not to pinch the shift cable.
3. Apply thread compound to bolts and tighten to 2Nm.
4. Install the front derailleur as per manufacturer's instructions.

 Thread Locker

 Di2 cable



Step 1



Step 2 & 3

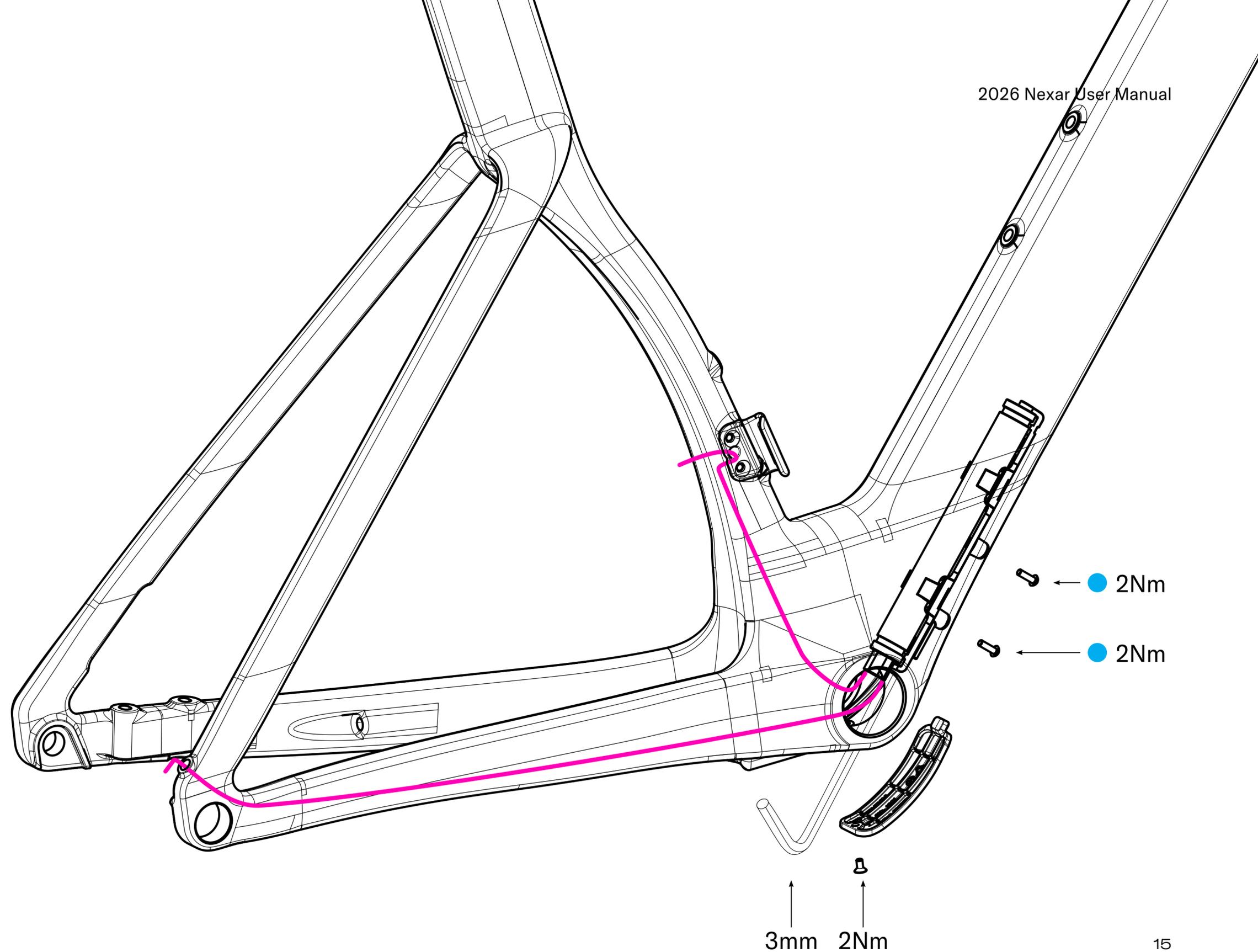


INSTALLATION

DI2 BATTERY HOLDER

1. Connect Di2 wires and install battery in holder with a zip tie.
2. Inset 3mm hex key into holder and insert into frame.
3. Apply thread compound to bolts and thread into holder and tighten to 2Nm.

-  Thread Locker
-  Di2 cable





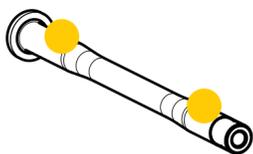
INSTALLATION

THRU AXLE

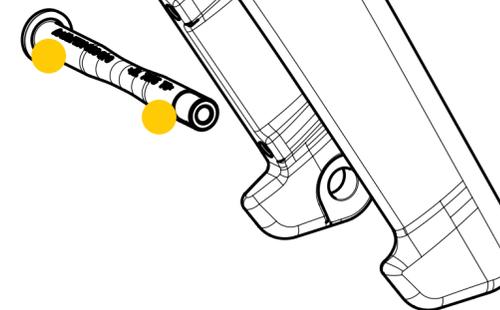
1. Apply grease to the thru axle as shown.
2. Make sure the axle is aligned with the UDH Hanger and fork respectively.
3. Torque to 8 Nm.

 Grease

Recommended 8Nm



Recommended 8Nm





SERVICE RECOMMENDATIONS

Regular maintenance is essential to ensure the safety, performance, and longevity of your FELT bicycle. Follow the recommendations below as part of your routine care schedule.

COMPONENT	KEY STEPS	MONTHLY	EVERY 3 MONTHS	EVERY 6 MONTHS
SEATPOST, STEM, THRU-AXLES	Torque check			
DRIVETRAIN	Clean and adjust chain, cassette and derailleurs			
WHEELS	Check spoke tension			
BRAKES	Check brake pads and bleed system			
CRANKSET & BOTTOM BRACKET	Clean and torque check			

IMPORTANT SAFETY & WARRANTY NOTES

- Always use genuine, compatible components and adhere to torque specifications.
- Do not continue riding if you notice unusual noises, braking issues, or handling problems.
- Regular maintenance is essential to maintain riding safety, performance, and durability.



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