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*G21*

# FRAMESET USER MANUAL

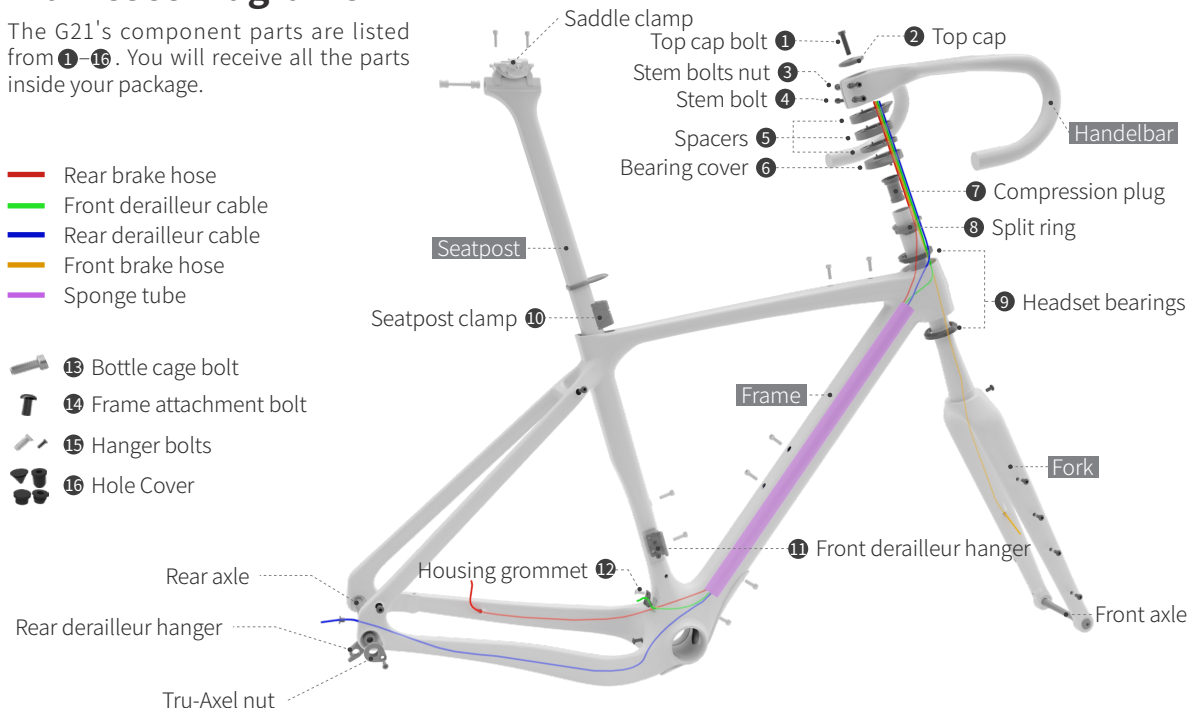
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# Frameset Diagrams

The G21's component parts are listed from ①–⑯. You will receive all the parts inside your package.

- ① Rear brake hose
- ② Front derailleur cable
- ③ Rear derailleur cable
- ④ Front brake hose
- ⑤ Sponge tube

- ⑬ Bottle cage bolt
- ⑭ Frame attachment bolt
- ⑮ Hanger bolts
- ⑯ Hole Cover



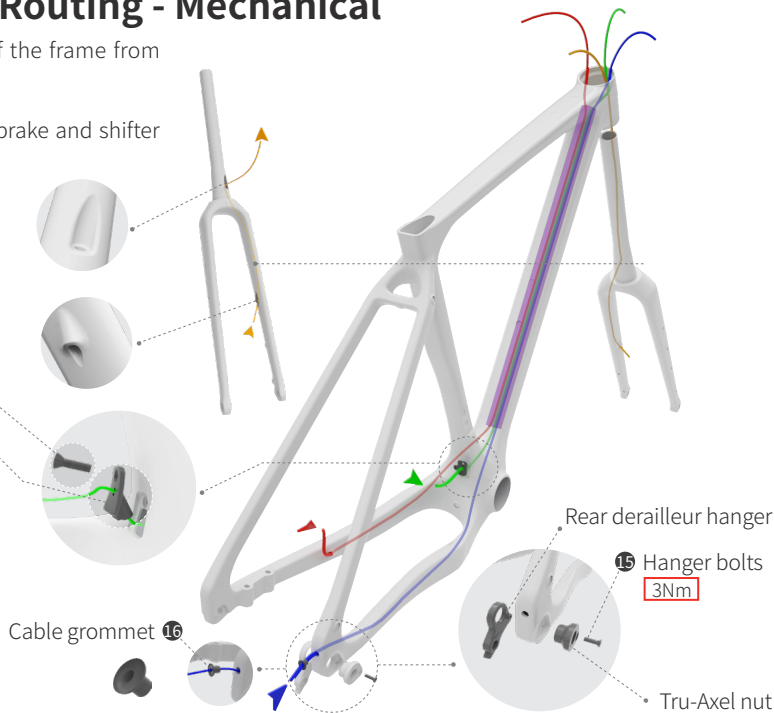
# Brake & Gear Housing Routing - Mechanical

Route the housing into the down tube of the frame from the hole where each hose comes out.

Please measure the correct length of the brake and shifter housing before cutting.

- Red Rear brake hose
- Green Front derailleur cable
- Blue Rear derailleur cable
- Orange Front brake hose
- Purple Sponge tube

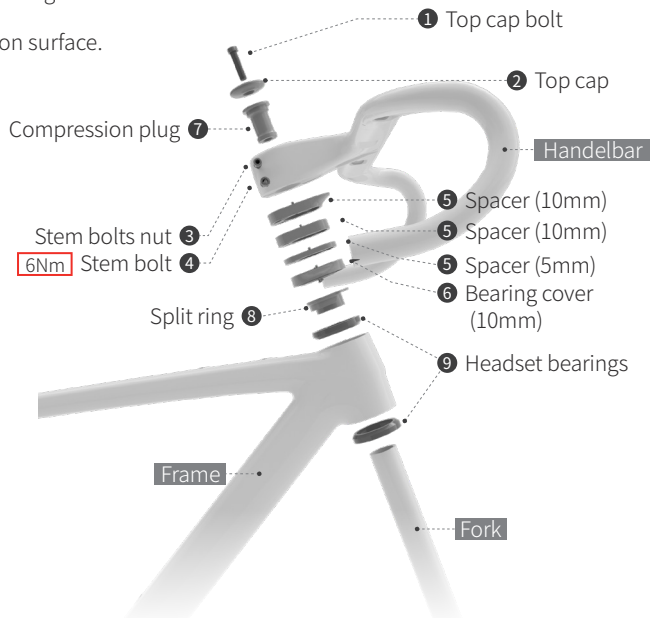
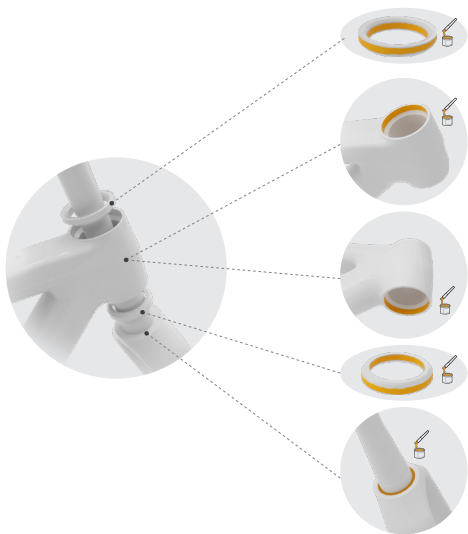
- 2Nm Front derailleur bolts 15
- Housing Grommets 12
- For Shimano R series
- For Sram and Old Shimano series (before R series)
- For Sram and Shimano Electrical groupset and X1 setup.



# Headset Bearing Installation

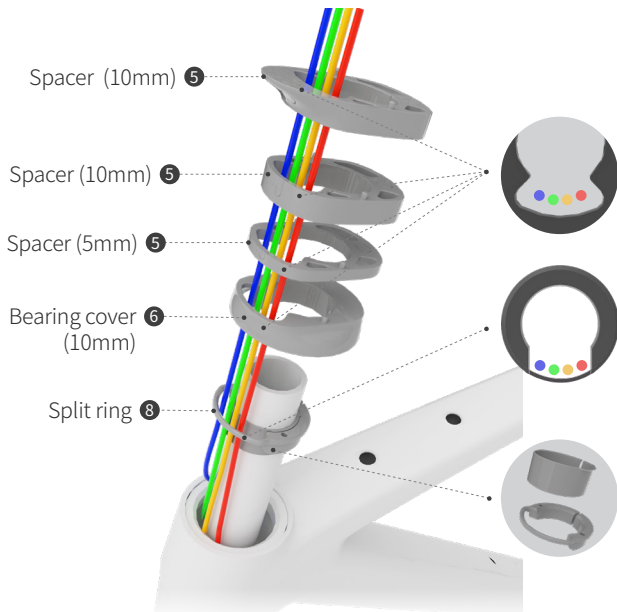
Please route the cable housing FIRST before install the bearings.

Lightly grease the contact point between metal and carbon surface.



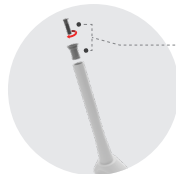
# Spacers Installation

Pick the right spacer height to adjust your riding position. Remember to route the housing inside bearing cover ring before routing inside the handlebar.



## Handlebar Internal Routing

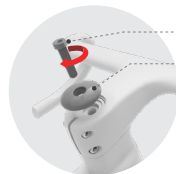
Route housing to the lever from this hole.



7 Compression plug **9Nm**

## Compression Plug

Put the compression plug into the steerer tube.



1 Top cap bolt **4Nm**

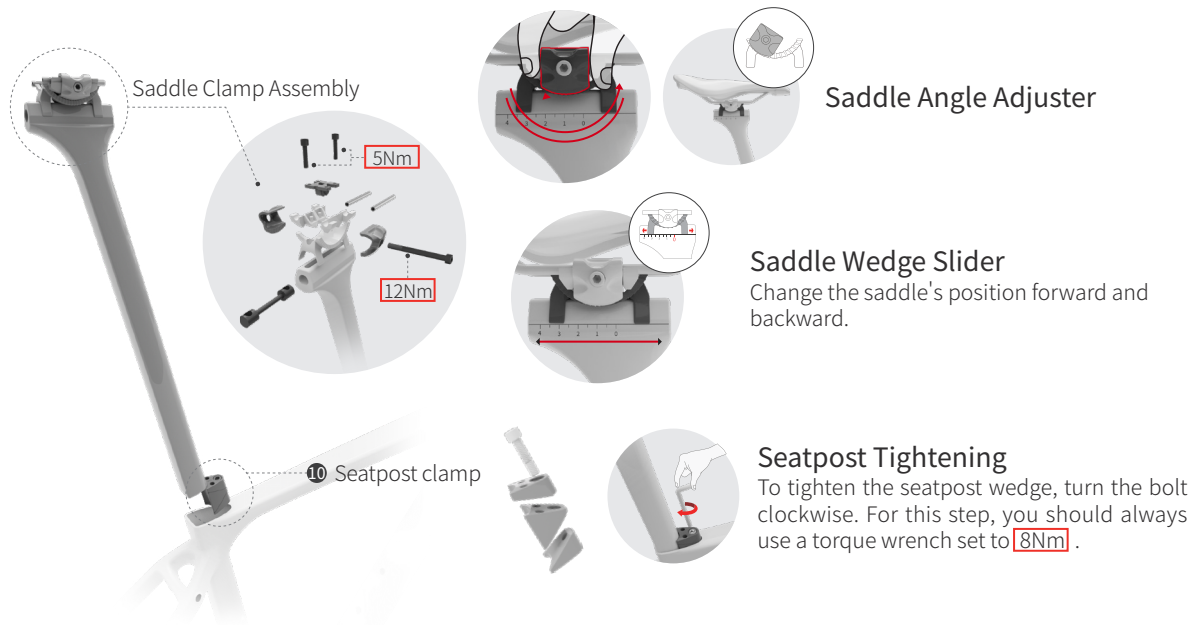
2 Top cap

## Top Cap Bolt Tightening

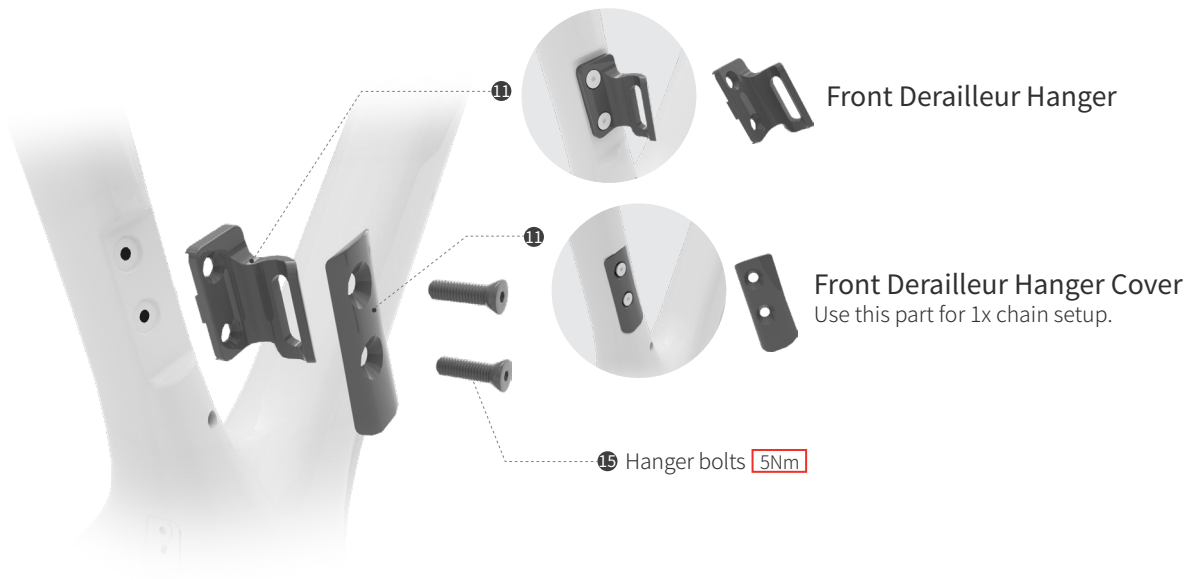
Eliminate play in the steering tube by tightening top cap bolt.

# Seatpost Installation

If needed, change the height of the seats and cut off any extra length. Remember that the minimum insertion is 10CM.



## Front Derailleur Hanger & Cover



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## Installing Rack & Fenders

Attach panniers to the front and back of a bike is perfect for touring and adventure rides.

Rack mounts max weight limit: 25kg  
Front backpack max weight limit:10kg



Use fender mount for a splash free ride.





## Mount Fixing Points

Carefully observe the bolt's length before attempting to tighten.



13 Bottle cage bolt\*8 4Nm



Bottle cage



14 Frame attachment bolt\*16 4Nm



## Safety

### **⚠ WARNING**

#### **Properly tighten hardware**

always tighten hardware to the specified torque.

Over-tightening hardware could deform or break the hardware or components. Under-tightening hardware could cause hardware or components to become loose. Either situation could damage the bicycle and result in injury to the rider.

### **⚠ WARNING**

#### **Reapply threadlocker**

All reused-fasteners with pre-applied threadlocker must be cleaned with isopropyl alcohol and have new thread locker applied before re-assembly. If threadlocker is not applied, the fasteners may loosen which could damage the bicycle and result in injury to the rider.

## Legend



Apply appropriate grease



Apply threadlocker




Torque



Cable (zip) tie

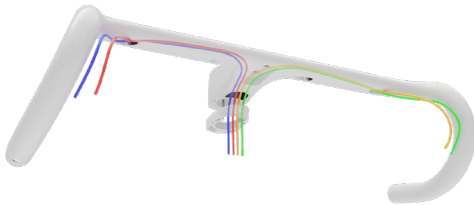


Di2 wire 

## A Quick guide for *H9/H27* installation

Shifting cable and brake hose routing

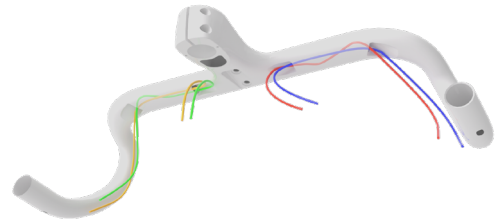
Rear brake hose		Rear derailleur cable	
Front derailleur cable		Front brake hose	



### Internal Routing Frameset

In order to use the complete internal cables routing, the frame and the fork have to be compatible.

Fork: The fork must have a hole for the entrance of the brake front cable in the fork-tube to allow the cable routing up to the exit near front brake caliper.

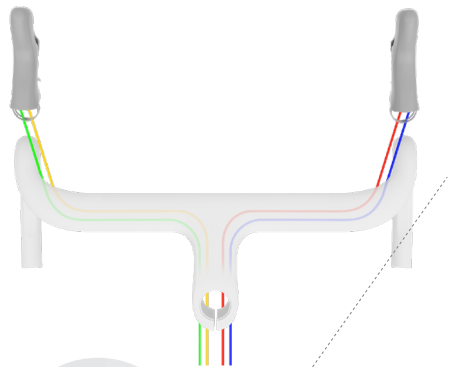


### Traditional Frameset

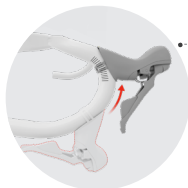
In case of assembling on traditional frameset, cables will enter close to the levers and will go out from central holes. Here above a picture showing the cables passages.

# Shifter/Brake lever Installation

Carefully observe the bolt's length before attempting to tighten. Use torque wrench to precisely tighten the bolt around **6-8Nm**

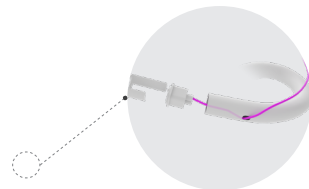


Di2 11-Speed cable routing diagram

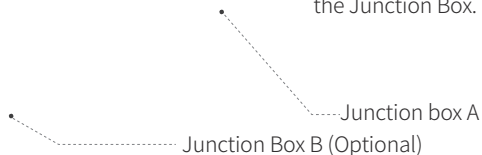


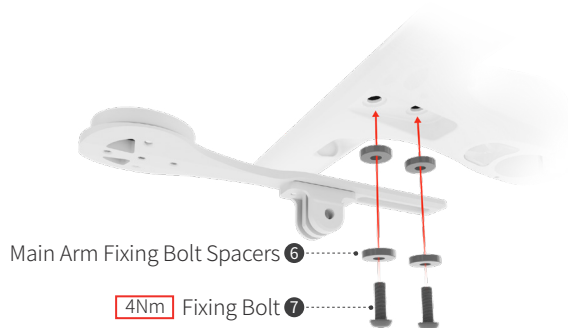
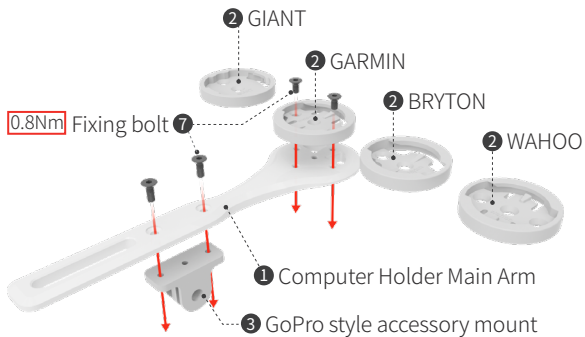
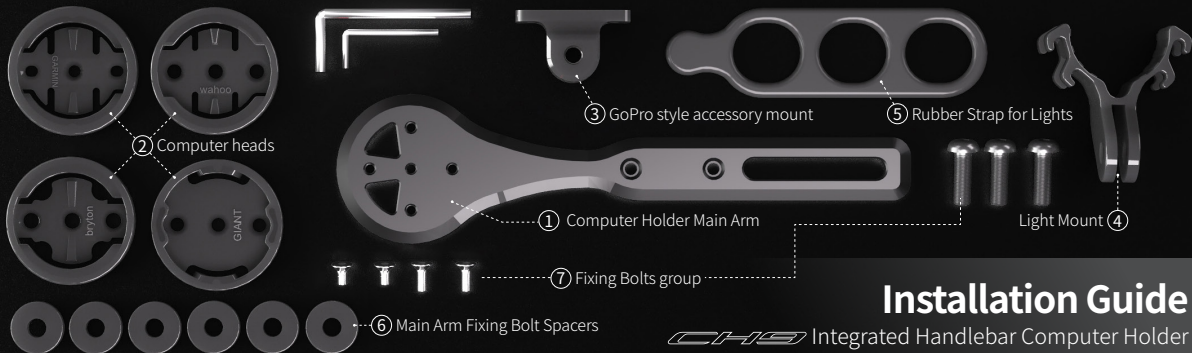
## Shifter Angle Adjustment

Follow line marks on both side of the bar to level left and right shifter. Apply carbon paste for better grip.



Route the cable in to the Junction Box.





# Installation Guide

*CHS* Integrated Handlebar Computer Holder

