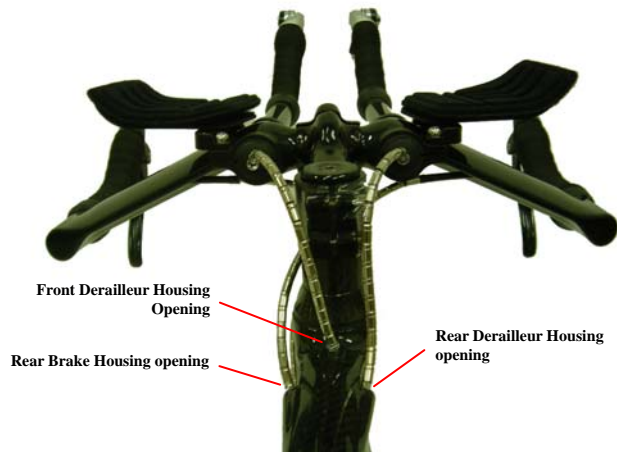


TIME TRIAL BRAKE/DERAILLEUR HOUSING ASSEMBLY GUIDE

Congratulations on your purchase of a Giant TCR Time Trial uni-frameset. Giant framesets represent the latest and best achievement in design and engineering, but also requires special attention. While Giant Bicycle engineers use the most durable and lowest maintenance materials with the best quality, you must follow certain guidelines and use proper equipment to attain optimal performance.

⚠ WARNING : Failure to follow these instructions will void your warranty, and may result in hidden damage to the frameset. Damage to the frameset can cause loss of structural integrity, which may result in serious personal injury or death.

Proper assembly of the derailleur/brake housing ensures the best performance and comfort from your bicycle. This is only a brief assembly and care guide. Because assembly of the derailleur/brake housing is a complicated task requiring training and experience, only Giant dealers can perform this sophisticated process.



Since Giant has already assembled the Nokon-liners (through the frame for the derailleurs and the rear brake), the user need only put on the correct Nokon pearls (Konkavex part and End Piece) and install the Shimano or Campagnolo brake and shifting cables.

Each frameset comes with 7 packages, and each package is marked with a number from 1 to 7. The contents of each bag and the assembly order of their parts are listed in the following table by bag number:

1. Front brake housing set :
G1+2C+2D.....2D+2A+2B (Shimano)
G1+2C+2D.....2D+2A+2C (other brand brake)
2. Rear brake housing set (front section)
G1+2C+2D..... +2D
3. Rear brake housing set (rear section)
2D.....2D+2A+2C (other brand brake)
2D.....2D+2A+2B (Shimano)
4. Front derailleur housing set
G1+2C+2D.....2D+2A+G3
5. Rear derailleur housing set (front section)
G1+2C+2D.....2D+2A+2B
6. Rear derailleur housing set (middle section)
2B+2D.....2D+2A+2B+G2
(This section will be assembled)
7. Rear derailleur housing set (rear section)
2C+2D.....2D+2A+2C

⚠ CAUTION : The length of the assembly in each package (the 2D quantity) is different depending on the frame size and handlebar stem height, as well as the brand of brake/derailleur.

Assembly Instructions

G1	7.5mm End Piece	
G2	End Piece	
G3	End Piece	
1	Nokon-Liner	
2A	End Piece	
2B	5mm End Piece	
2C	6mm End Piece	
2D	Konkavex-part	

Assembly of rear brake:

Step 1: Insert brake cable through the brake lever.

Step 2: Place the Konkavex-part and end piece on the Nokon-liner in the order shown in the above table.



⚠ CAUTION : To prevent compression, leave 3mm on the front end of the Nokon-liner.

Step 3: Insert brake Cable in Nokon-liner (front section).

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Step 4:



Place the Konkavex-part, and end piece on the Nokon-liner in the order shown in the above table.

2D+...+2D+2A+2B (Shimano)
2D+...+2D+2A+2C (other brand brake)

Step 5:



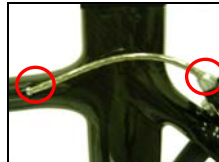
Insert brake Cable through the brake Cable Clamp bolt. Make sure to follow brake manufacturer's instructions when installing the brake system.



CAUTION : To prevent compression, leave 3mm on the rear end of the Nokon-liner.



CAUTION : Make sure that all end pieces always fit perfectly.

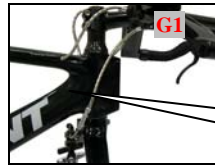


TCR Time Trial's front brake housing \ derailleur housing can be installed by using the same step-by-step procedure as described in assembly of rear break.



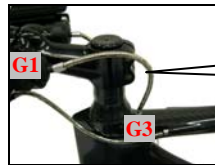
CAUTION : Prior to assembly, make sure system is well-lubed.

Front brake housing (Nokon pearls) assembly



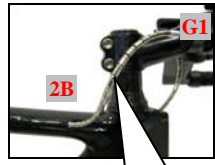
G1+2C+2D...2D+2A+2B (Shimano)
G1+2C+2D...2D+2A+2C (other brand brake)

Front derailleur housing (Nokon pearls) assembly



(G1+2C+2D... 2D+2A+G3)

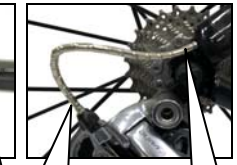
Rear derailleur housing (Nokon pearls) assembly



2B+2A+2D...2D+2C+G1



G2+2B+2A+2D+...



... 2D+2B

2C+2A+2D...

..... 2D+2C

Warranty

Please refer to the Giant Owner's Manual or visit our website: www.giant-bicycle.com for complete provisions of the warranty.