



## Nine Cable Routing Manual

# Felt Nine Internal Cable Routing Instructions

The carbon Nine was designed to use internal cable routing for both front and rear shifter cables. This document outlines the procedure on how to properly install the shifter cables using this system.

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## Materials

1. Mousetail Ferrule (1.7mm ID)
  - DT - Front Derailleur - 1000mm
  - DT - Rear Derailleur - 450mm
  - CS - Rear Derailleur - 180mm
2. Cable Housing 4mm (x3)
3. Shifter Cable (x2)

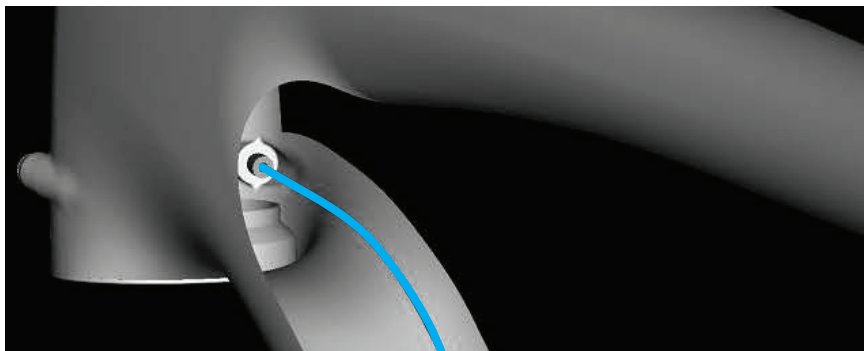
## Note:

This manual is not intended as a comprehensive use, service, repair or maintenance manual. Please see your dealer for all service, repairs or maintenance. Your dealer may also be able to refer you to classes, clinics or books on bicycle use, service, repair or maintenance.

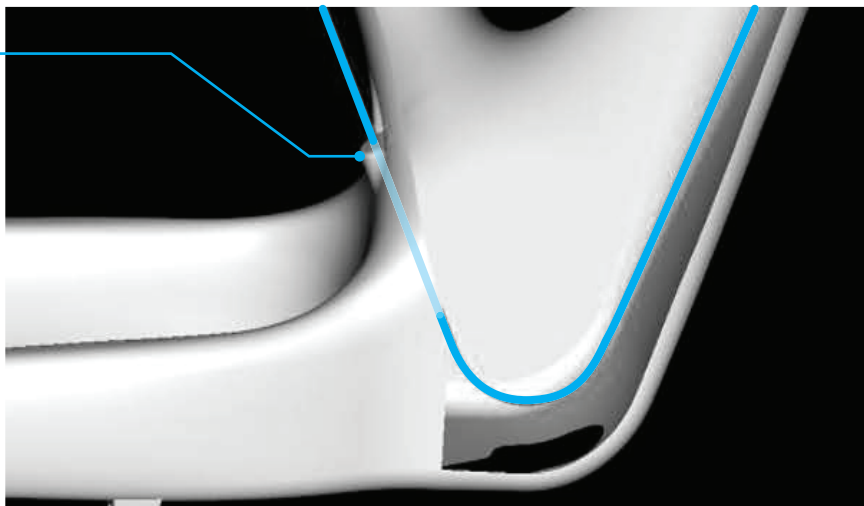
## Front Derailler

### Step 1

a. Insert (1000mm) Moustail Ferrule in the hole on the right side of the headtube and run along the inside of the downtube.

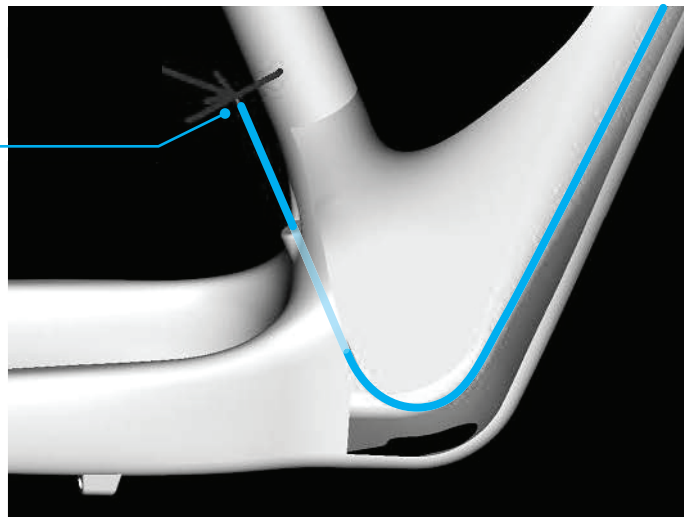
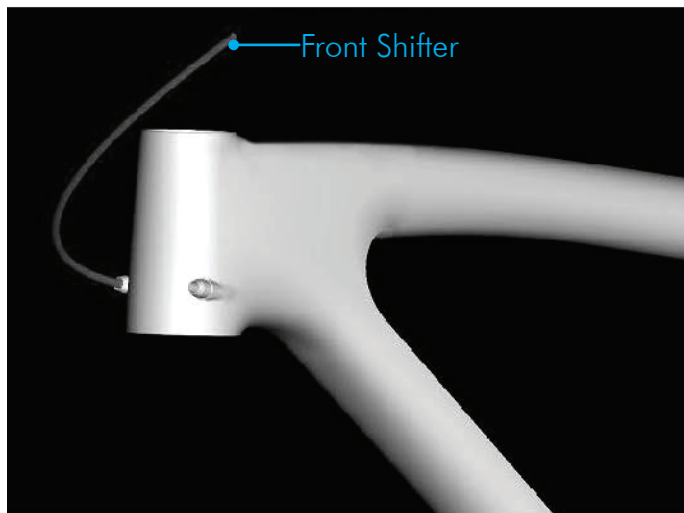


b. Run Moustail Ferrule out the hole above the bottom bracket as showed.



## Step 2

a. Cut the Moustail Ferrule to length outside the frame as close to the front derailleur as possible.



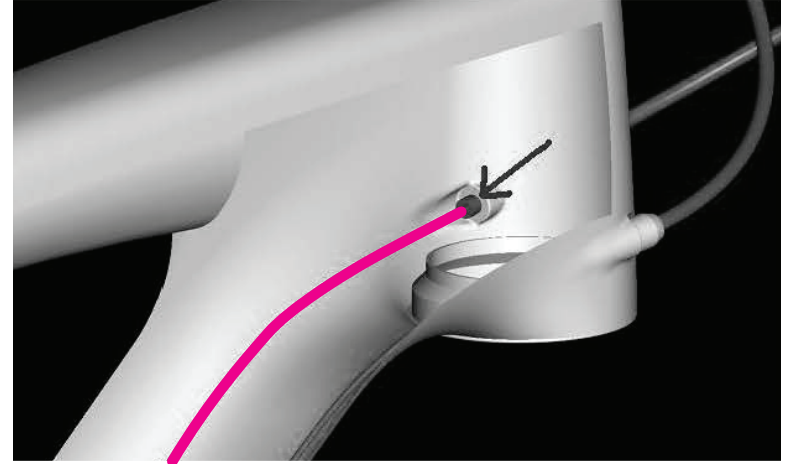
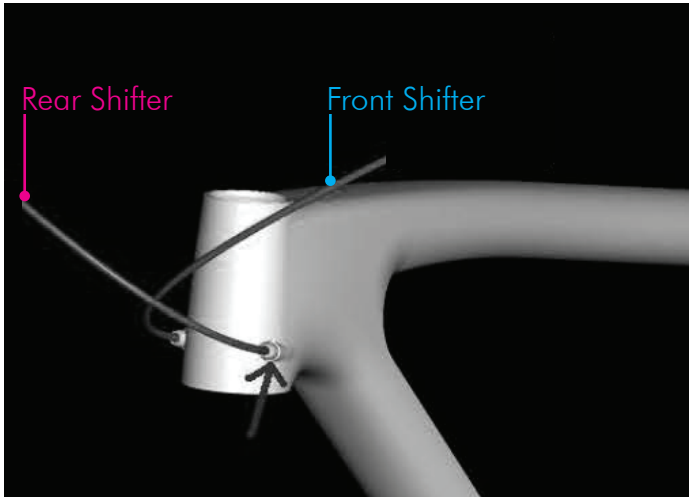
b. Run the 4mm Cable Housing from the front shifter to the hole in the right side of the headtube.

c. Install shifter cable in the front shifter and run it through the 4mm housing and Moustail Ferrule.

## Rear Derailleur

### Step 3

a. Insert the (450mm) Moustail Ferrule in the hole on the left side of the headtube and run it along the inside of the downtube.



b. Run the 4mm Cable Housing from the rear shifter to the hole in the left side of the headtube.

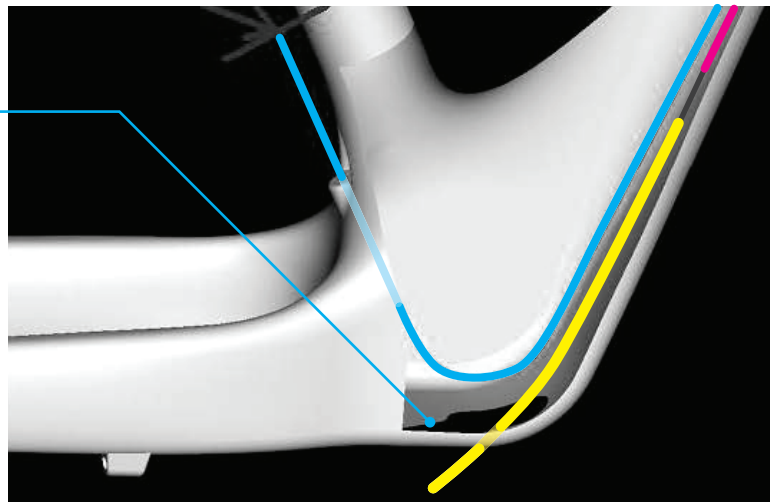
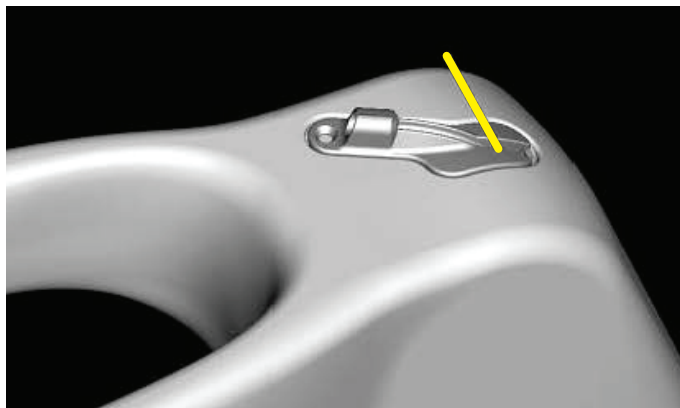
c. Install shifter cable in the front shifter and run it through the 4mm housing and Moustail Ferrule.

\*Keep tension on front derailleur cable to prevent crossing of shifter cables in downtube.

### Step 3<sup>continued</sup>

d. Make sure the cable guide on the bottom bracket is removed. —————

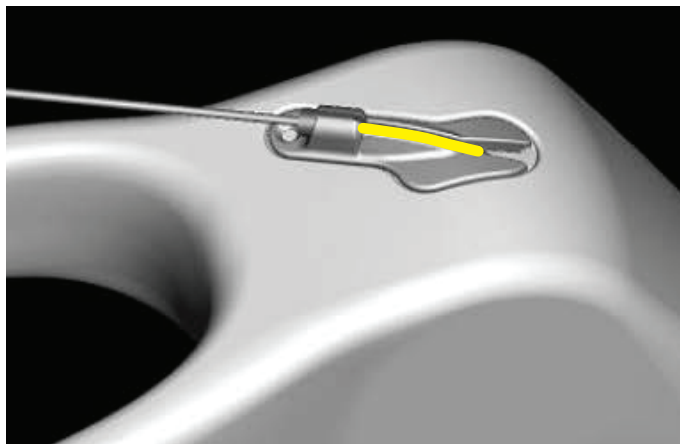
e. Pull the rear shifter cable out the hole in the bottom bracket.



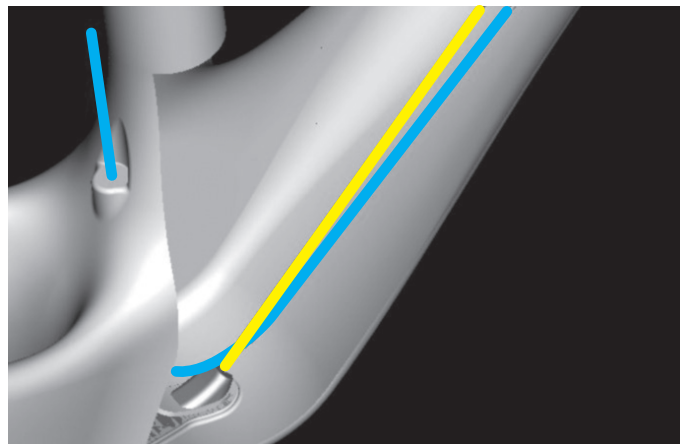
f. Install the cable guide on the bottom bracket.

### Step 3<sup>continued</sup>

g. Slide the 180mm Mousetail Ferrule over the rear shifter cable and push it inside the frame until the ferrule fits into the cable guide on the bottom bracket.



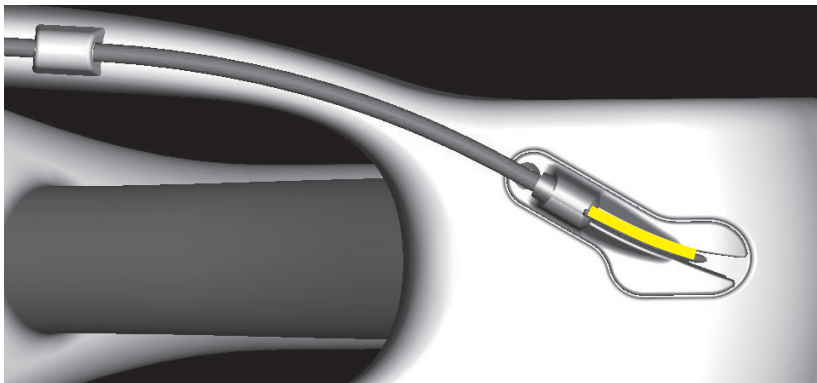
Note: Make sure to not cross the cables inside the frame.



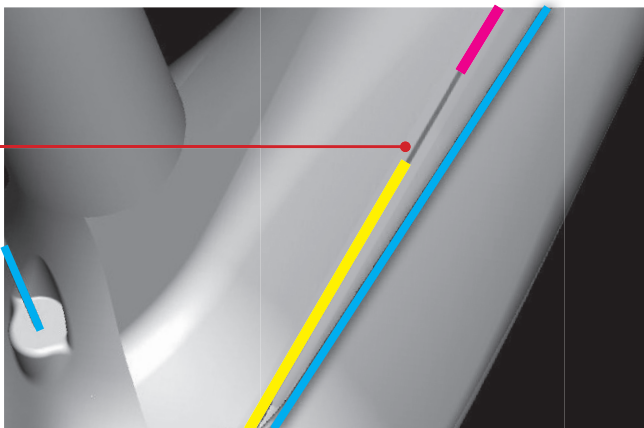
\*Keep tension on front derailleur cable to prevent crossing of shifter cables in downtube.

## Step 4

Run the 4mm cable housing from the rear derailleur to the ferrule on the bottom bracket cable guide.



Note: There should be a 5-10cm gap between the Mousetail on the rear derailleur cable. If the two Mousetails are touching, take one out and trim it until it does not touch the other. If they are touching, the rear derailleur will not function properly.







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