

Technical Service Bulletin

2013 Marin Carbon Road Internal Routing and Replacement

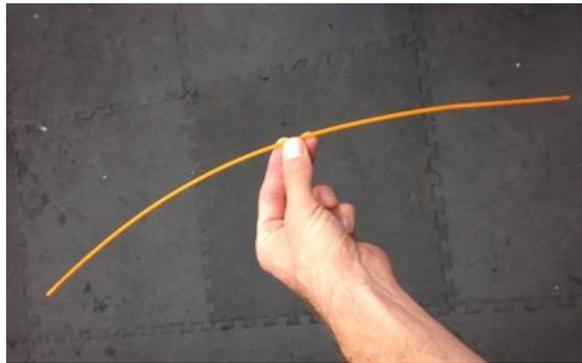
August 6, 2013

Affected Models:

2013 Marin Stelvio, Verona or Ravenna Carbon Road Bikes

Part I – Cable Installation

Cable replacement: For 2013 models cable replacement is easily serviced with the plastic cable guide tube. These should be included in the bike box and can also be obtained through your Marin service office. They are also often included in other brand's bikes equipped with internal routing.



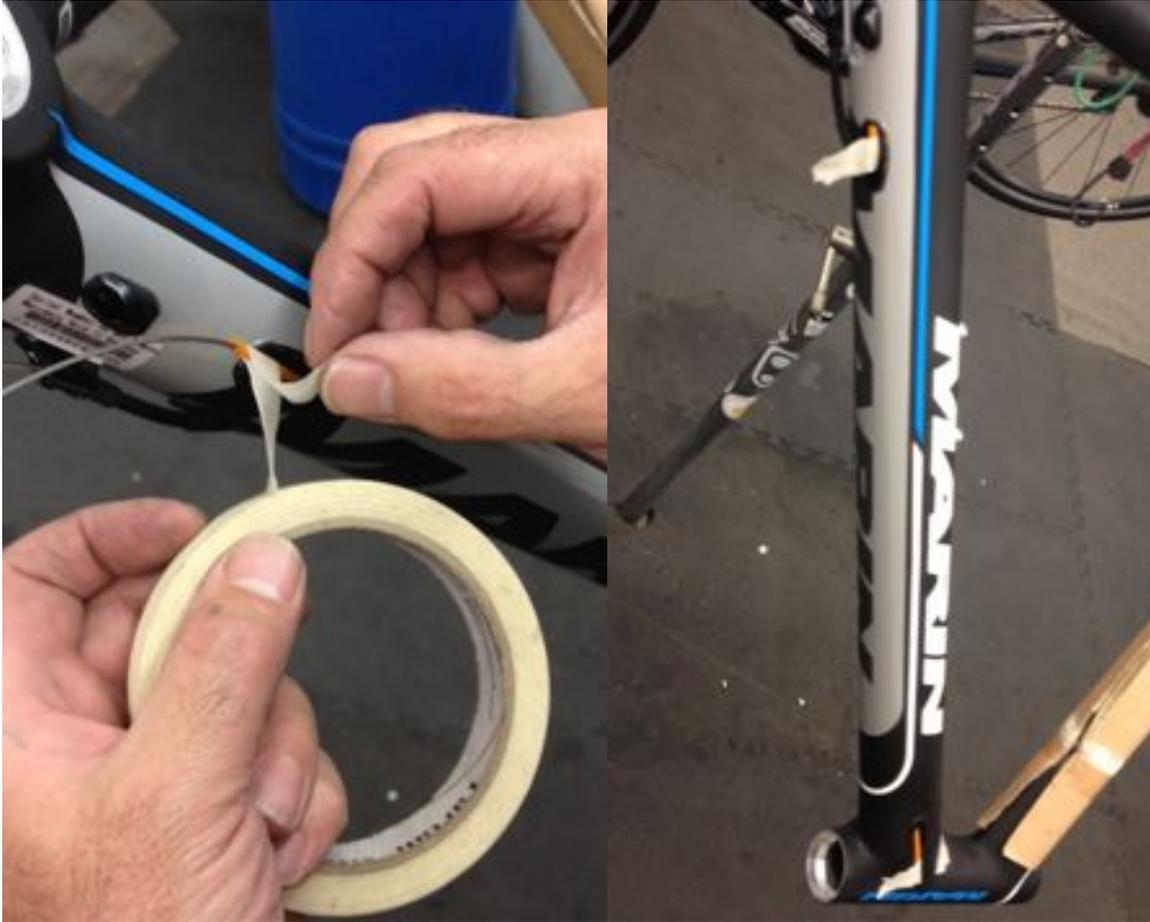
1. For cable replacement, first cut or unbolt the shifter cable from the front or rear derailleur. Remove rear derailleur housing and pull cable through the chainstay. Remove the short portion of cable housing that runs between the bottom bracket to the lower end of the down tube.



2. With the cable still running through the downtube, slide the plastic over the cable and slide the sleeve up through the frame.



3. It helps to add some tape at the ends of the straw to hold it in place if you have to walk away from the bike mid-service.



4. After the installation straw is in place, remove the shifter cable from the shifter. For reinstallation thread the cable through the shifter and upper portion of shifter housing. Next thread the cable through the downtube via the straw. Once the cable has been routed back through the downtube you can remove the plastic straw and install bottom bracket and rear derailleur sections of housing as normal.

Part II – Troubleshooting and Tips

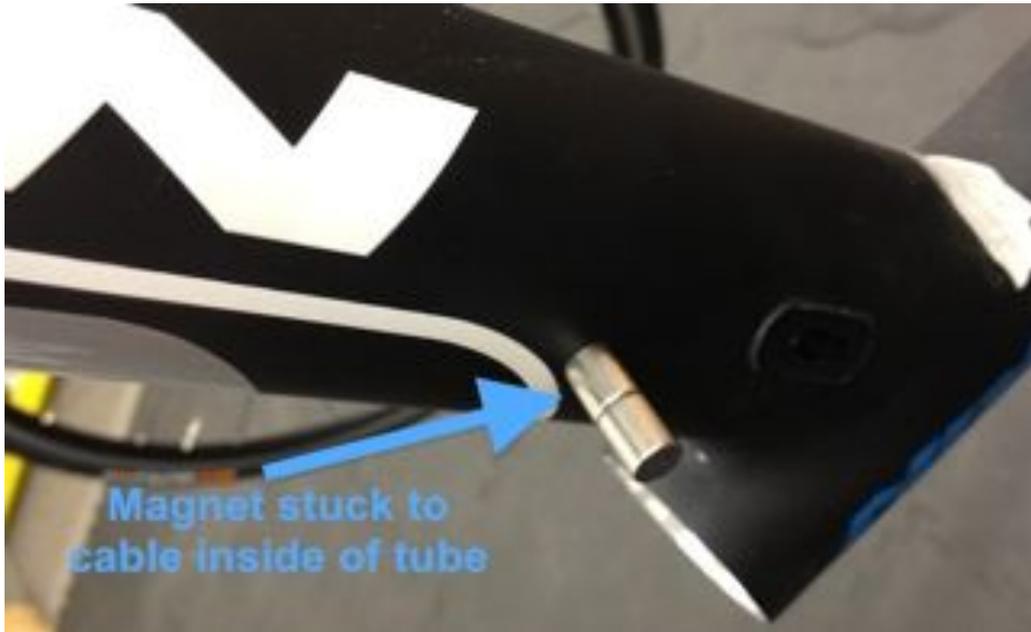
If you have removed the downtube section of cable without use of a guide straw and are having difficulties there are a few tricks of the trade to help run cables though internally routed frames. Commonly used tools include a brake cable and a strong shop magnet (“rare earth” or Neodymium type). The magnet pictured is a Fulcrum spoke nipple guiding magnet(QBP part#TL9508).



1. Rotate the section of frame you want to route cable through into a vertical position. This will allow gravity to help guide the cable through the tube.



2. Insert a length of cable into the upper frame port and slide down near the lower opening. Use the magnet to help locate the cable through the carbon tube. The magnet will work on steel or stainless cables, as there is usually enough ferrous material in stainless cables to be magnetized. If you do have trouble with a stainless cable however, you can substitute with a thicker gauge brake cable. To protect frame finishes you can also apply a piece of tape over the magnet.



3. With the magnet, you can guide the end of the cable through the lower frame port opening. This often takes a little finesse and practice, but will allow the cable to flow through the frame. Once through you can re-insert the plastic guide straw for routing the shifter cables as illustrated in the above steps.



Options

Housing Routing Options: You can also change housing orientation to have the cables cross, with the right & left shifter lines entering through the opposite sides of the frame. Depending on the housing system used this can offer reduced friction in the system. This is also common for bike set up on smaller-sized frames.

At the bottom bracket junction it is also optional to bypass the housing loom with standard housing. The loom is in place to help secure segmented style housing systems like Nokon, Jagwire, etc.

