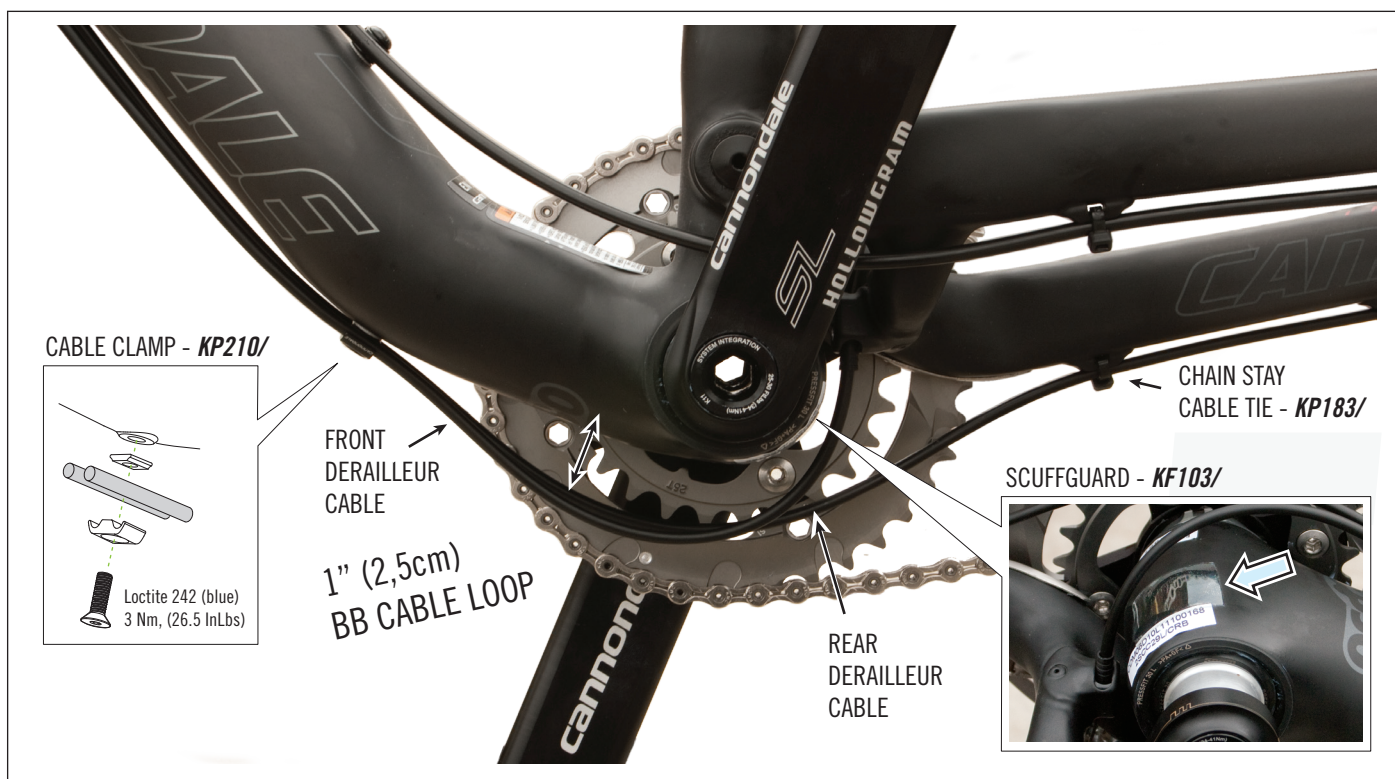


Scalpel 29'ER Carbon BB Routing



Bottom Bracket Routing Loop

The 1" (2,5cm) cable loop under the BB shell is needed for cable clearance with the frame. If the loop is too short, or if the cables slide through the clamps because they are loose, the cables can contact the frame. This can happen, particularly with the FD cable at the back of the shell as the suspension is fully compressed.

To prevent frame damage caused by cable rub, periodically check the BB routing. Do the following:

1. Check the cable clamps. If they are loose, rather than simply re-tightening, it is a good idea to remove the cable guide bolts, clean the threads and apply Loctite 242 (blue) and tighten each to 3.0 Nm (26.5 InLbs).
2. Check the BB loop. It should be about 1" measured in the area shown above. Loosen the clamp bolts and adjust the size of the loop. If the loop is too short you will have to use a longer FD cable. If it is too long, you may be able to shorten it.

3. The RD cable has less chance to rub the underside of the shell. It should follow the loop of the FD and be secured to the chain stay with a new cable tie.

Additionally the two cables may be crossed under the shell. This can minimize cable movement and limit the chance of the loop changing if the cables slip in the clamps.

As an added protection, place small sections of readily available adhesive frame guard material between the cable and BB shell. Cannondale kit **KF103/** includes eight 25 x 35 mm pieces suitable for various locations on the frame.

Please Note: Damage caused to your bike by cable rubbing is not covered by your Cannondale Limited Warranty. So, you'll want to include a check of the routing in the BB area as part of your regular maintenance routines.

If you have any questions about this Tech Note, please contact Cannondale Dealer Service at 1-800-THE-BIKE (1-800-843-2453).