

## 11. Cable Routing

### *How to attach cable stops to a finished frame:*

Cable stops are small parts that attach to the frame and hold the cable housing. They are glued on and screwed through the wrapping. The cable passes through them but the housing is stopped. Prepare cable stops by sanding the underside:



After locating the exact position for the cable stop, tape off the surrounding area like this:



Tape off the cable stop like this:



Using the cable stop as a guide, hold the cable stop in position on the wrapping and start drilling the pilot hole. Take away the cable stop and continue drilling through. The wrapping will prevent the bamboo from splitting near the hole. **Do not drill holes into the bamboo that is not covered with wrapping.**

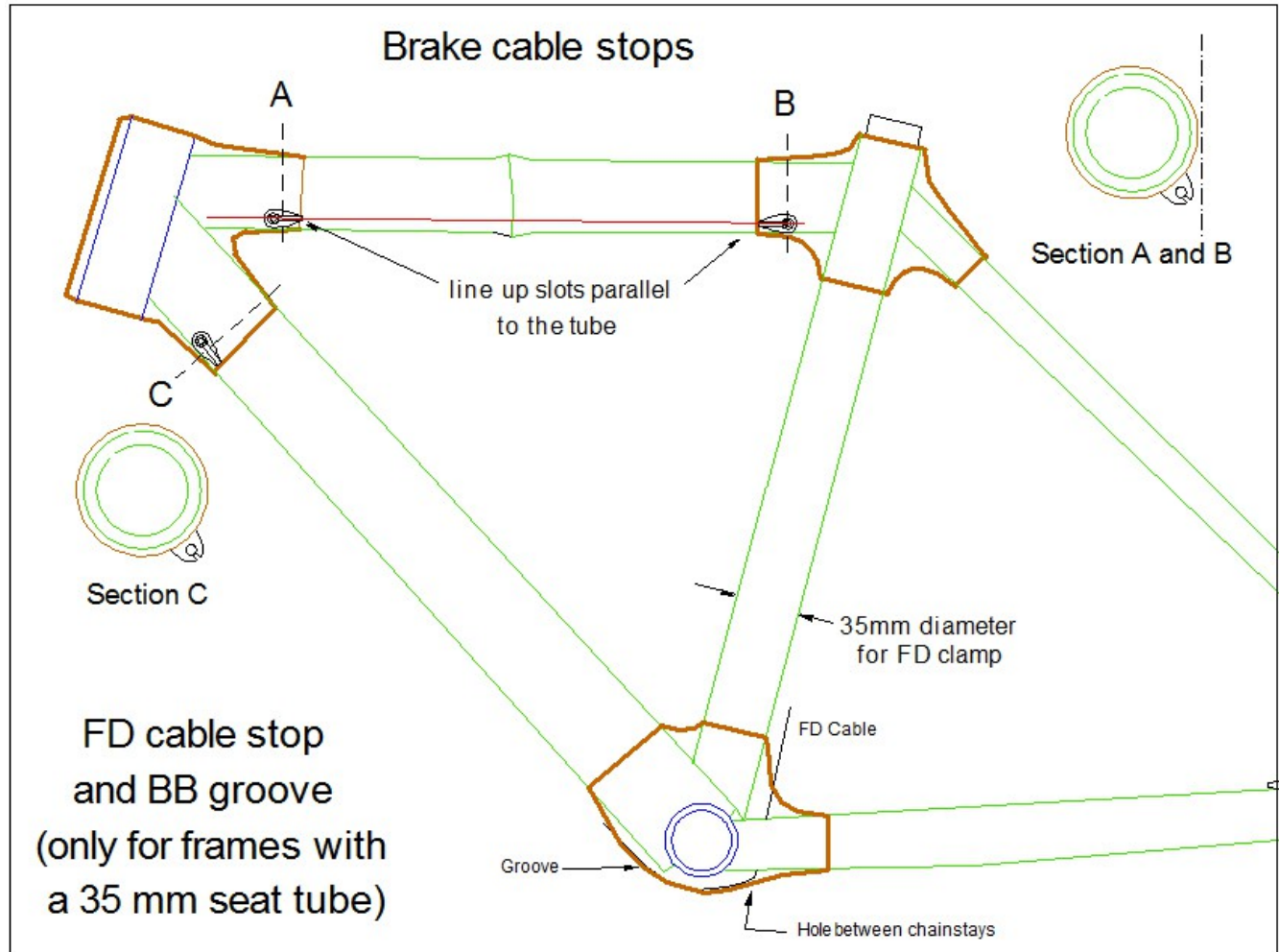


Scrape away the clearcoat and sand the area to be glued. Apply epoxy glue (fine sanding dust and epoxy) to frame and stick cable guide on using the screw as a locator. Screw the cable stop down. If the cable stop does not sit perfectly on the frame, allow the glue to form a base for it. You may not want to screw it down very tight in order to allow the cable stop to be in the best position. Wipe off excess glue as neatly as possible. Let glue harden, then remove the masking tape.

Where to put them:

**note: all Sections are as viewed from the front.**

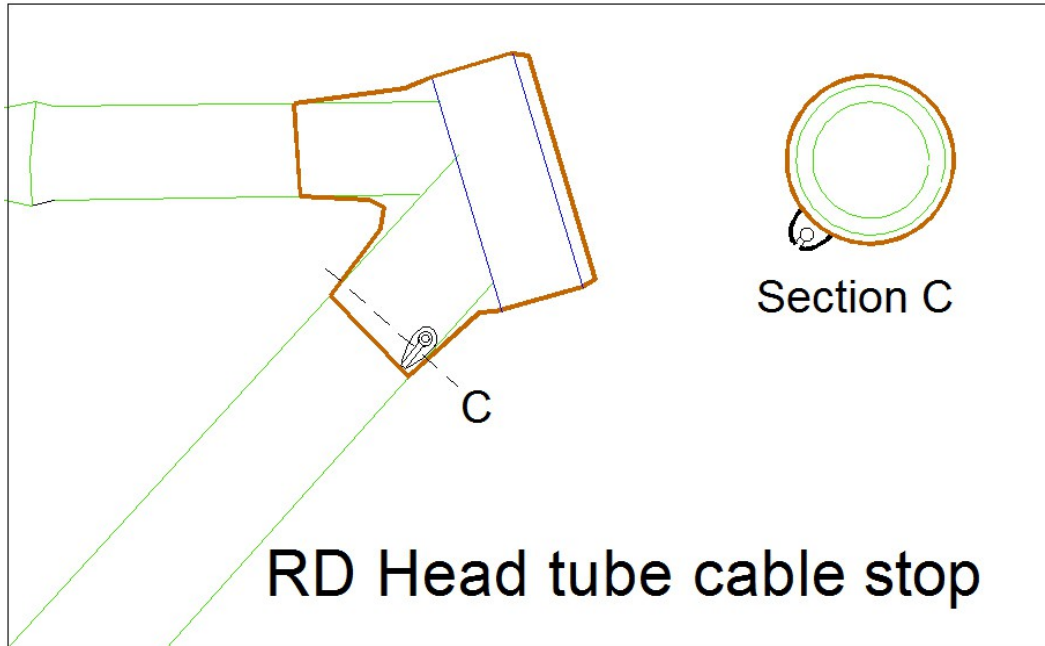
All frames have the rear brake cable run along the top tube as shown:



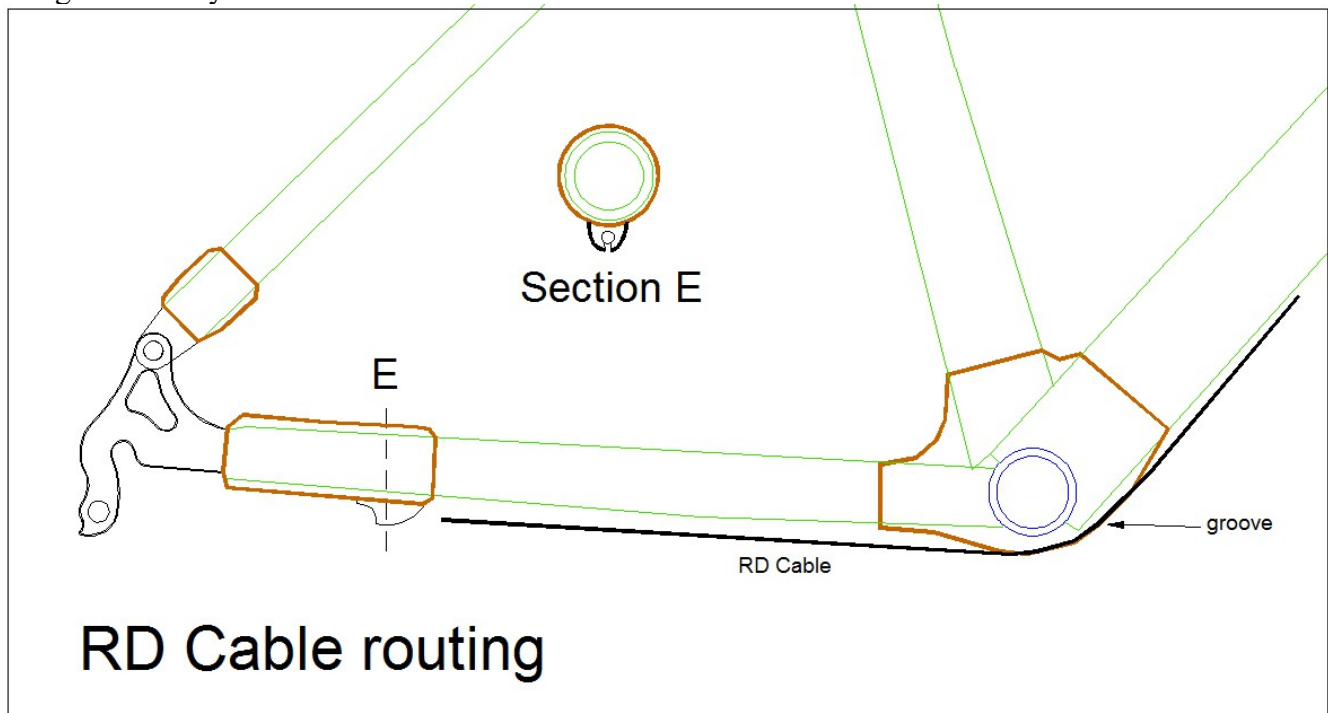
The Front Derailleur (FD) cable runs down the left side of the down tube, under the bottom bracket in a cut groove and up through a hole between the chainstays. Drill the hole parallel to the seat tube. File the groove to allow the cable to run into the hole without a sharp bend. The groove can be cut to the correct width with a hacksaw that has two blades mounted to the saw frame. All Road bikes and all Mountain bikes have these unless requested with no FD cable routing.

Touchup FD grooves with clearcoat or epoxy. Make sure cable passes through easily.

All bikes have a rear derailleur (RD) unless specially requested to have no RD routing. Here is the RD cable stop on the head tube:



And here is how it goes under the bottom bracket through a groove (or small tunnel) to the cable stop on the right chainstay:



Touchup RD groove with clearcoat or epoxy.