

Installation of Optical Encoders for B-Line frame

STOP! Read all the instructions and study the pictures before starting.



Step 1:

Using isopropyl alcohol (rubbing alcohol) and a cotton ball, clean the surface of the encoder plate and the carriage (between the rollers on both the upper and lower carriages).

Upper carriage placement: left side

Lower carriage placement: back

Step 2:

Peel the green plaid backing from the double-faced foam tape and affix to the back of the encoder plate.

If you prefer to affix the hardware to your carriage with screws, you should check first with your frame manufacturer regarding its warranty on the carriages. Drilling holes into your carriage may void the manufacturer's warranty. LiTen Up, Inc. and Quilter's Cruise Control are not responsible for voided warranties on quilt frames.



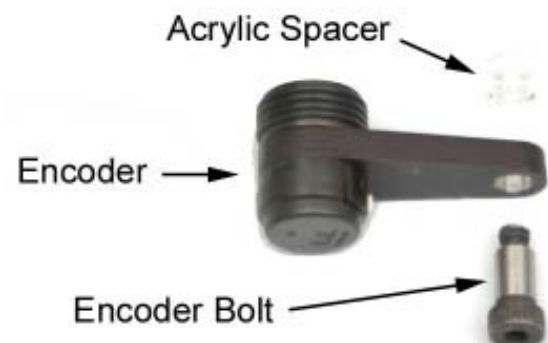
Step 3:

Peel the white backing off the the remaining side of the foam tape and affix the encoder plate to the upper carriage between the 2 wheels on the lefthand side.



Step 4:

Assemble the encoder arm as shown below and screw the encoder bolt into the encoder plate. Apply medium finger pressure to tighten the bolt.



Installation of Optical Encoders for B-Line frame



Step 5:

With the orange wire on the bottom, plug the wiring harness into the encoder.



Step 6:

Peel the backing from the white plastic strain relief pad and affix it to the back of the upper carriage. Place wire tie through the holes, capture the wiring harness cord, and pull the wire tie taut around the wiring harness cord. Clip off the excess on the end of the wire tie.



Step 7:

Check the encoder arm for smooth motion by lifting it up and letting it fall onto the rail. It should move smoothly and not bind.

Step 8:

Repeat above steps for the lower carriage.

Step 9:

Make sure the encoder wheels rotate when the carriages are moved.

Step 10:

Final assembly should look like the picture to the left.

