

Installation of Optical Encoders for B-Line (with inserts) frame

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



Step 1:
Place a shoulder bolt into encoder side of the arm.



Step 2:
Place 2 acrylic spacers onto the bolt. The finished assembly is shown below.



Step 3:
Locate your QCC insert (small, metal, thread) near the carriage wheels.



Step 4:
Screw the assembled encoder into the carriage. Apply medium finger pressure to tighten the bolt.

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Step 5:

With the orange wire on the top, plug the wiring harness into the encoder. (please note: the wiring harness will only plug into the encoder one way. Do not force the 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 other carriage.

Step 9:

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

Step 10:

Final assembly should look similar to the picture on the left (image shown with older B-Line frame, frame without inserts).

