R0015034B ZX5 Module B Wiring Loom installation Part 2

Installation steps for Electrical looms installation into Module B

Difficulty **Hard** | Duration **1 minute(s)**

Contents

Introduction

Parts Required

Pre labelled Wiring loom assembly R0015034B from electrical team

Tools required

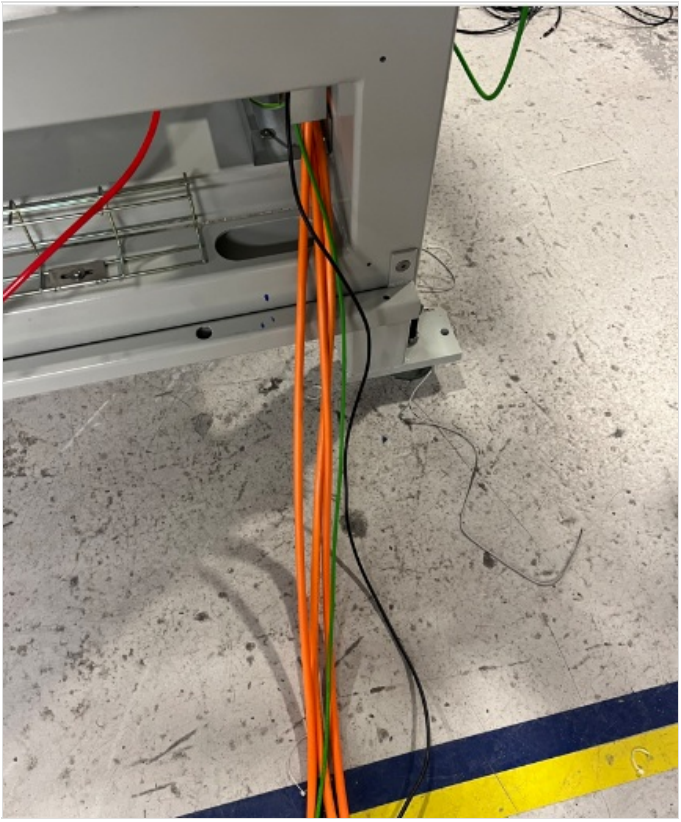
Flush cutters
Tie wraps small
Tie Wraps Large

Step 1 - Unless otherwise stated

All bolts to have Loctite 243 adhesive applied unless otherwise stated
All Threaded Pneumatic connections to have Loctite 570 applied
All bolts to be pen marked once adhesive applied and correct tension added

Step 2 - Connect 20B

Connect cable 20b to in port on Fb01B and route as shown

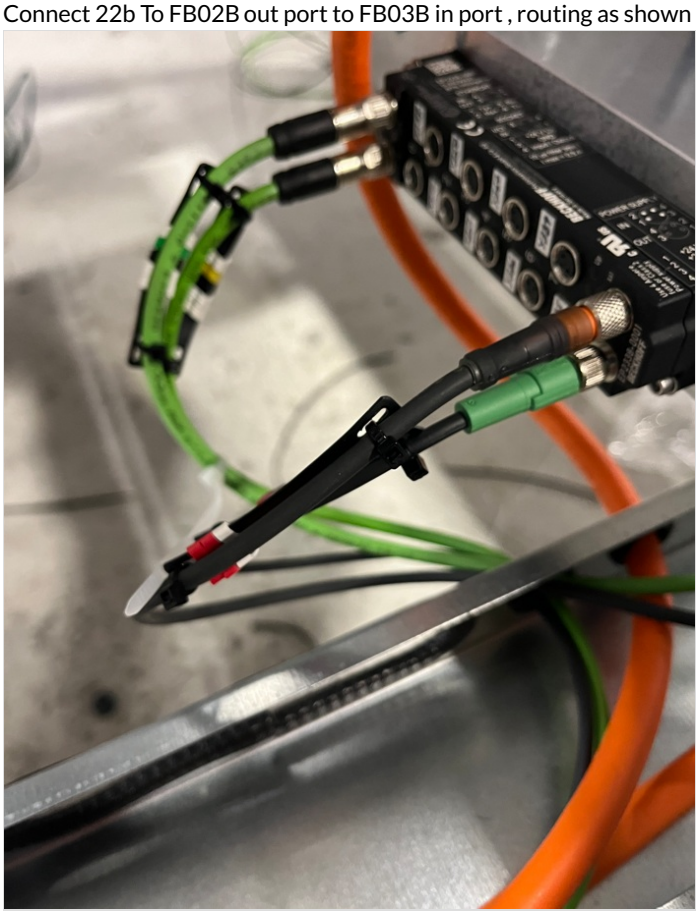


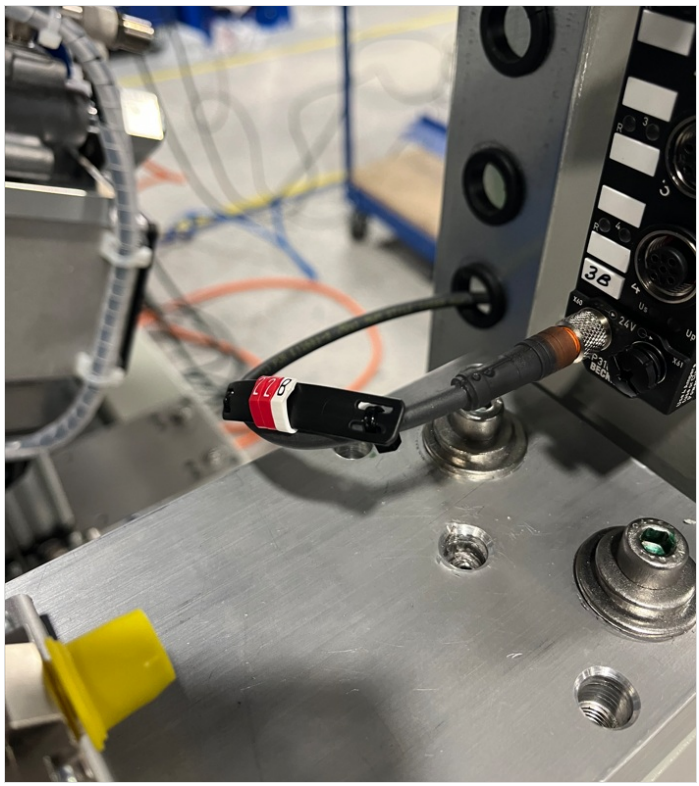
Step 3 - Connect 21B

Connect 21b To FB01B out port to FB02B in port , routing as shown

Step 4 - Connect 22B

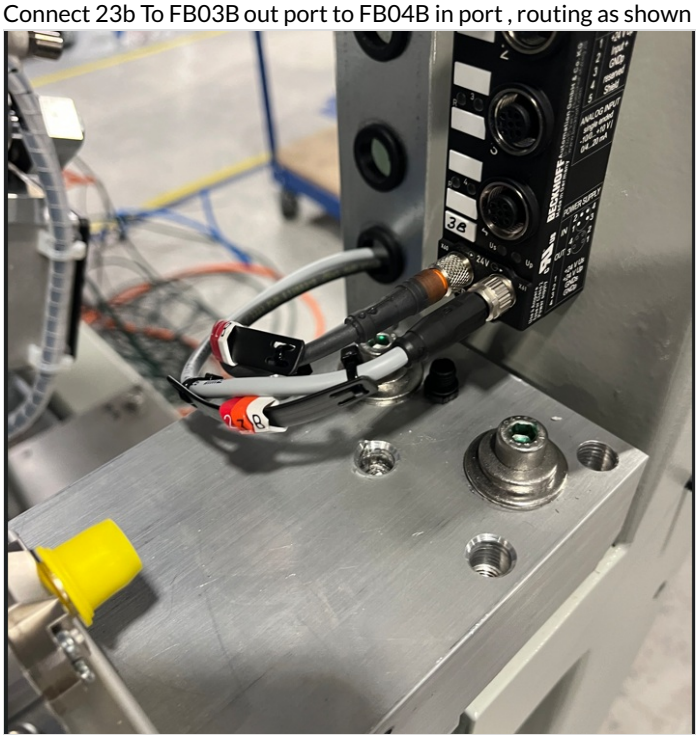
Connect 22b To FB02B out port to FB03B in port , routing as shown

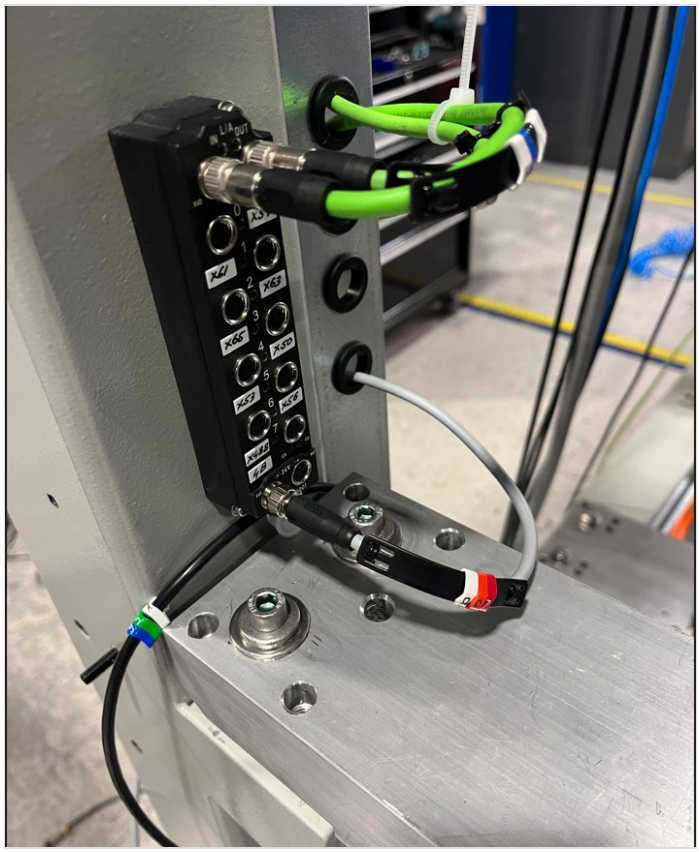




Step 5 - Connect 23B

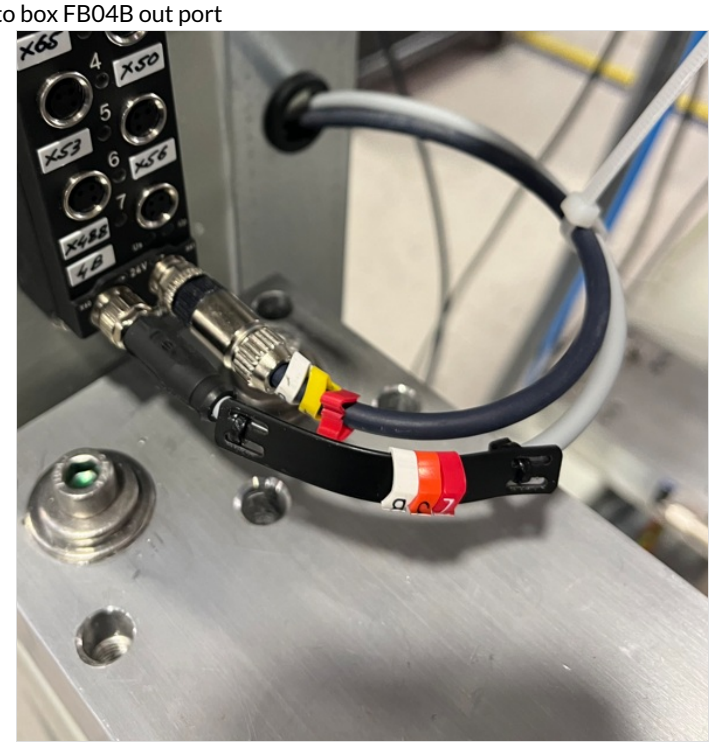
Connect 23b To FB03B out port to FB04B in port , routing as shown





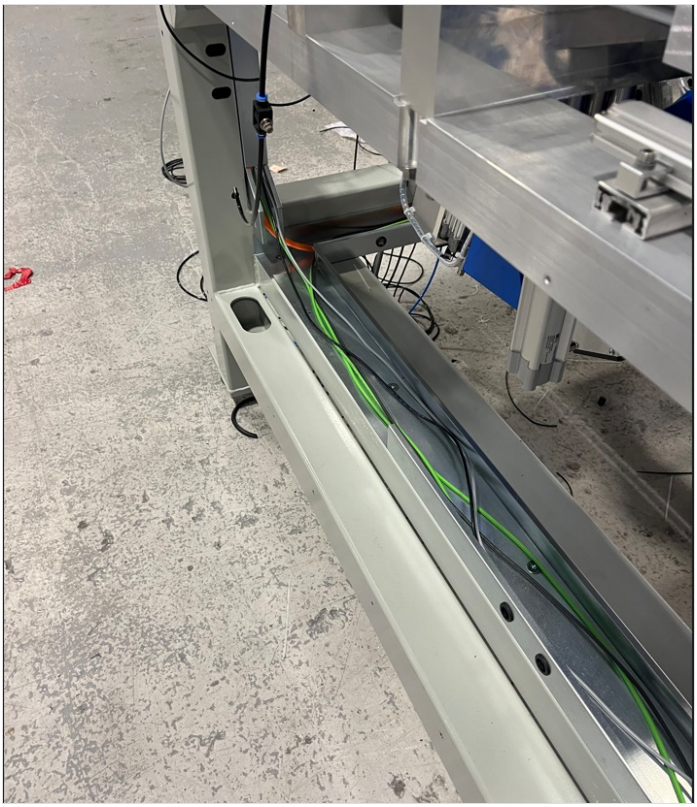
Step 6 - Loom 24B

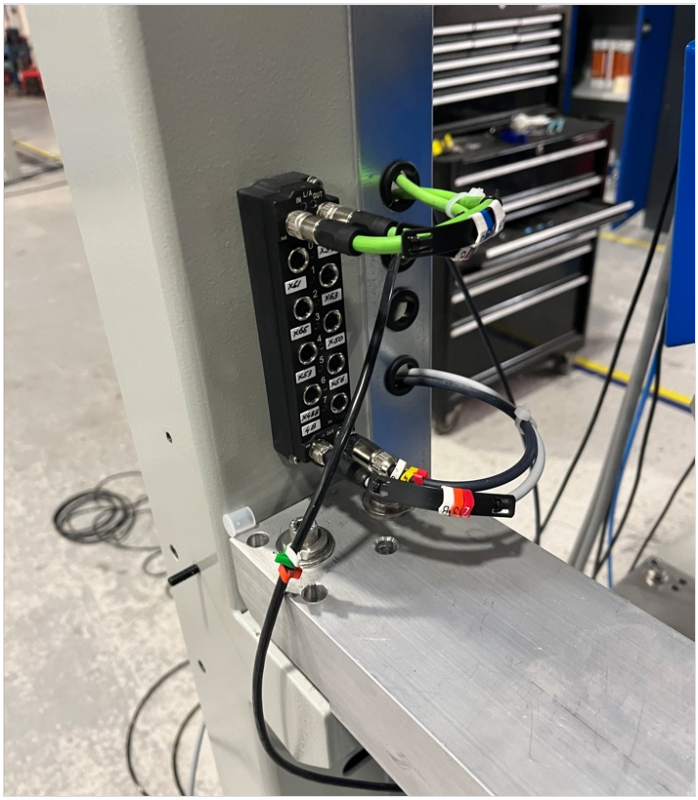
Retrieve 24B cable which exits the rotary head energy chain and loom to box FB04B out port



Step 7 - Route X53 Z axis Datum

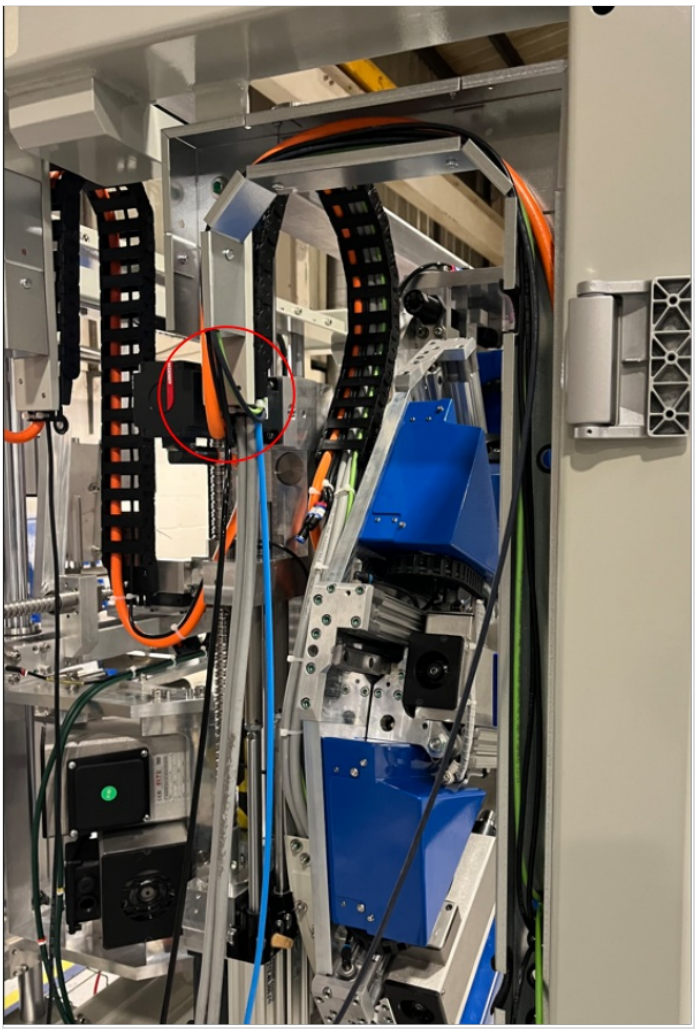
Route X53 cable as shown, to EC04B

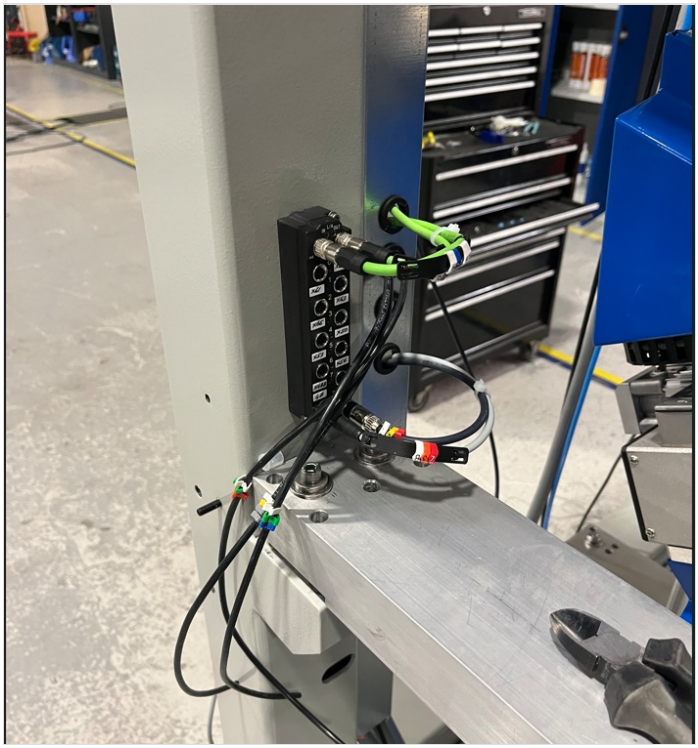




Step 8 - Route X488 and X56

Retrieve X488 and X56 from rotary ring loom and route around trunking to EC04B

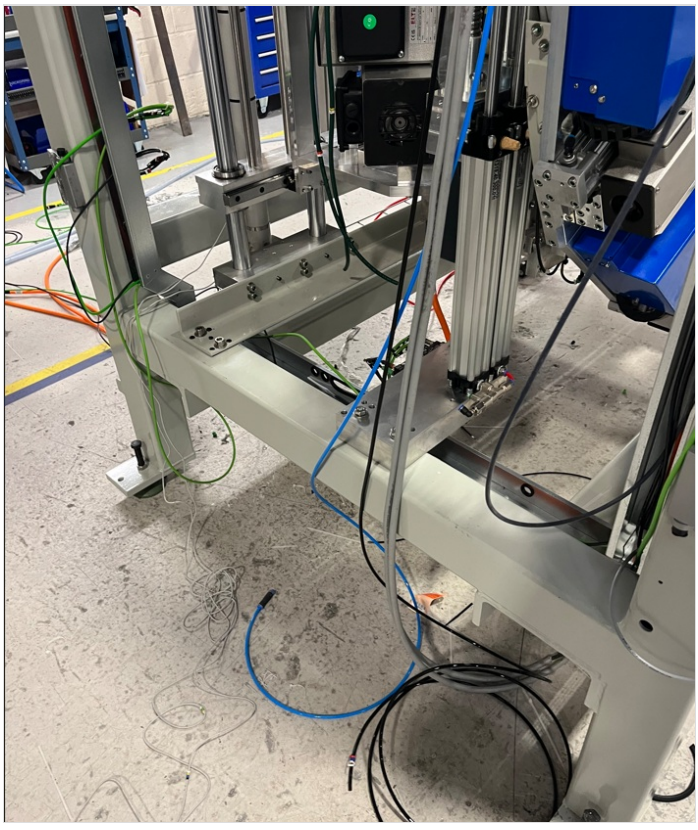




Step 9 - Route X50

Retrieve X50 from energy chain rear and route as shown, exiting at FB04B


X50

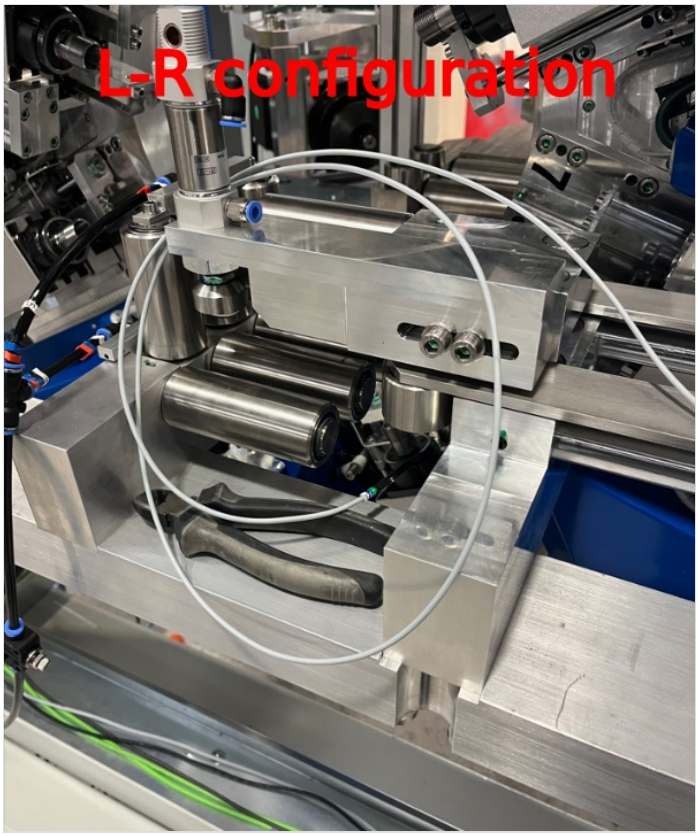


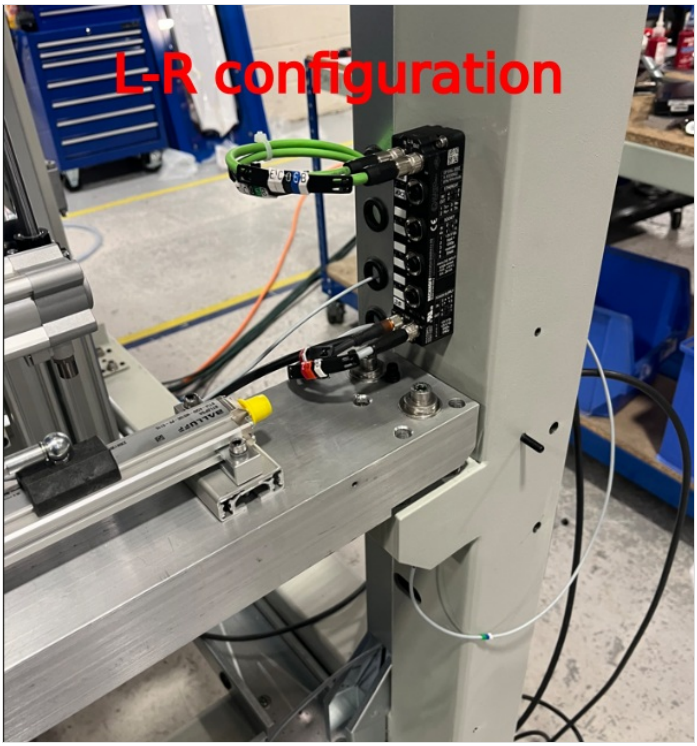
Step 10 - X65 CLISHm

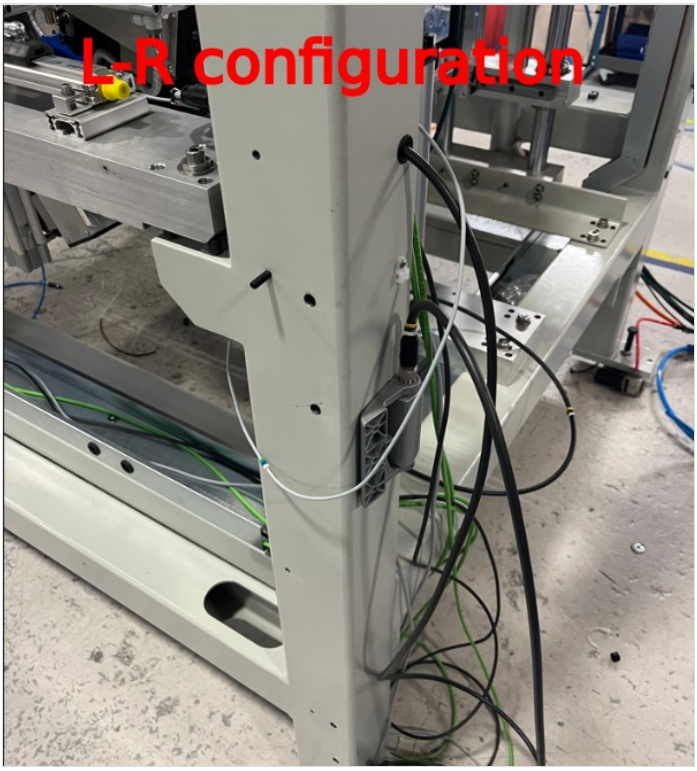
Route reed switch X65 as shown. Finish at FB04B

Ensure maximum length is left for routing to cylinder at a later point

> ...L-R machines Require extension cable to allow correct routing. See electrical team for additional cable. Cable join/plug must be left in vertical trunking for ease of access

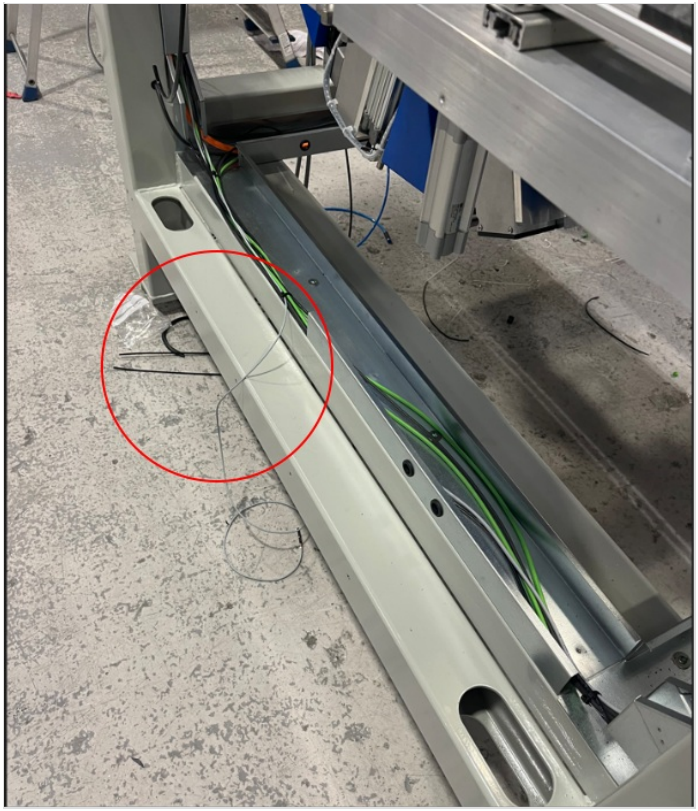


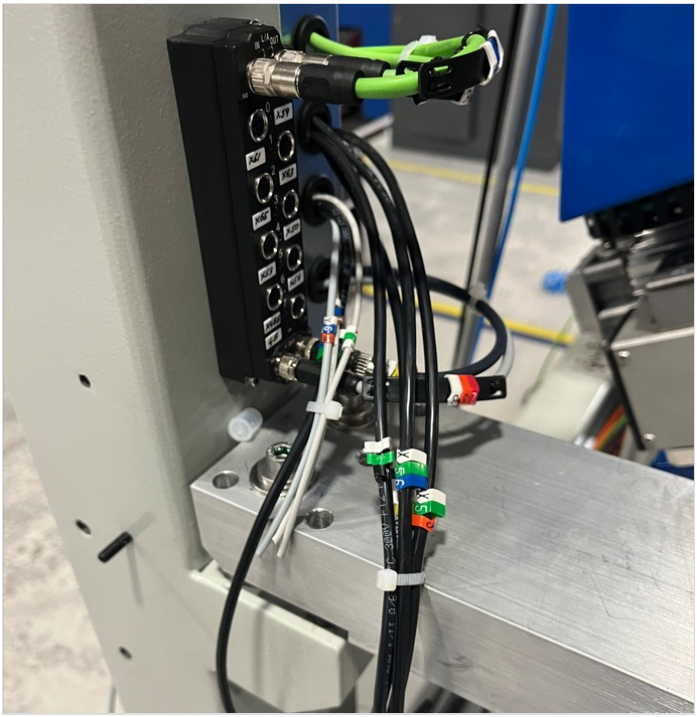




Step 11 - X63 CLITHm

Route X63 reed switch to the route shown, leaving minimal cable for termination at FB04B end

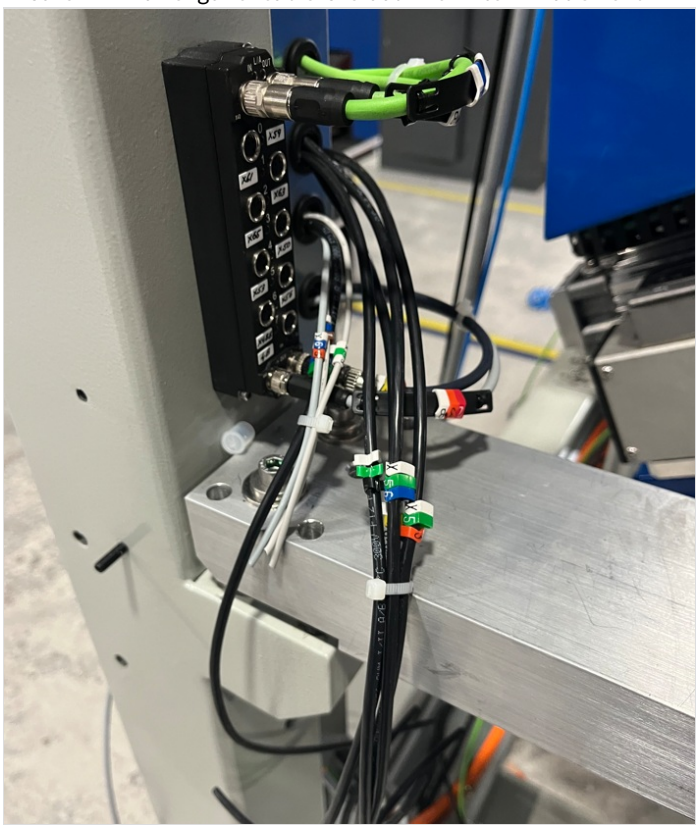


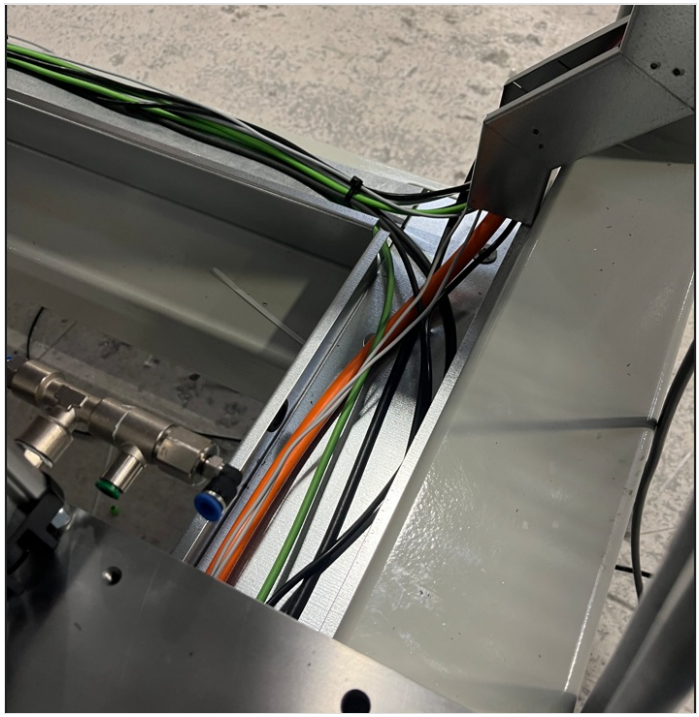


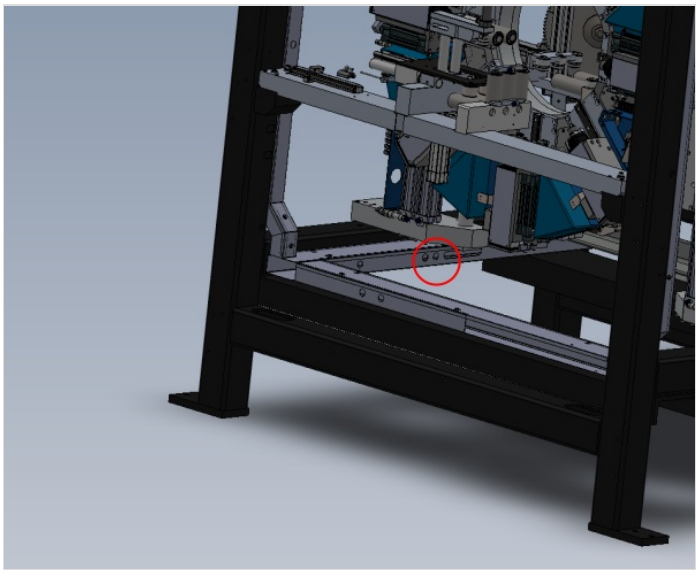
Step 12 - X59 X61

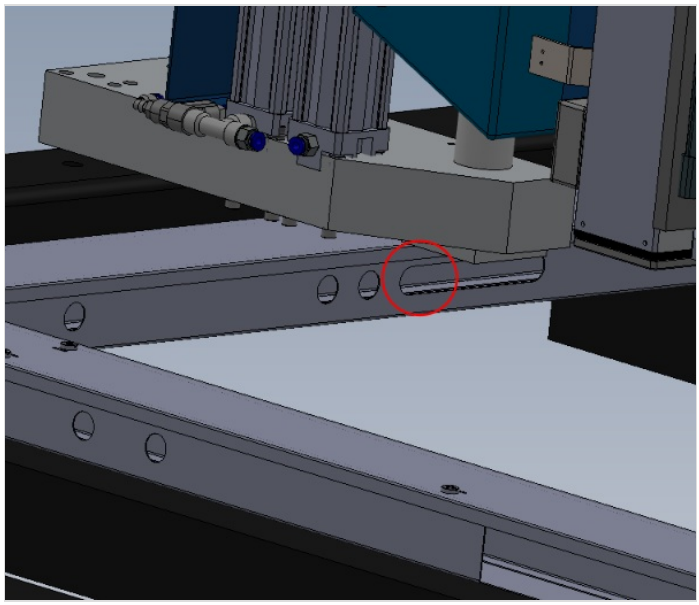
Route reed switches X59 and X61 from FB04B to exit at point shown of trunking

Ensure minimal length of cable is left at FB04B termination end



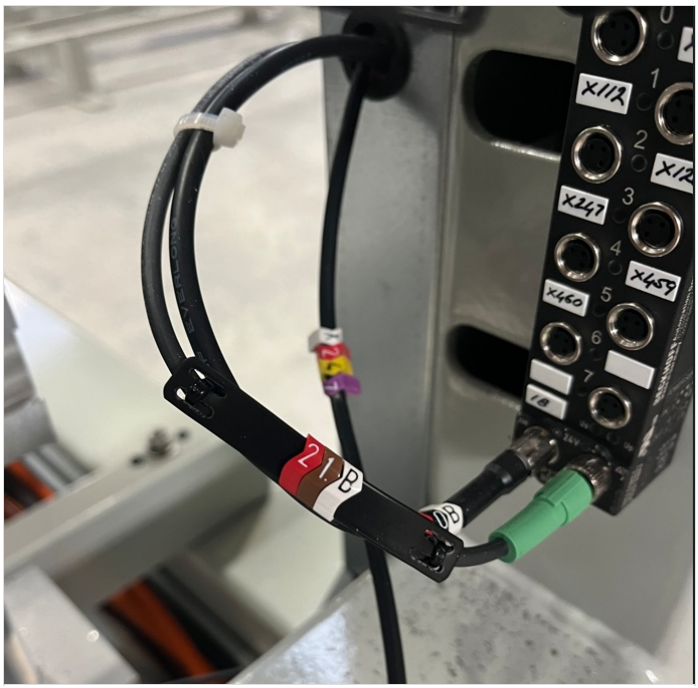


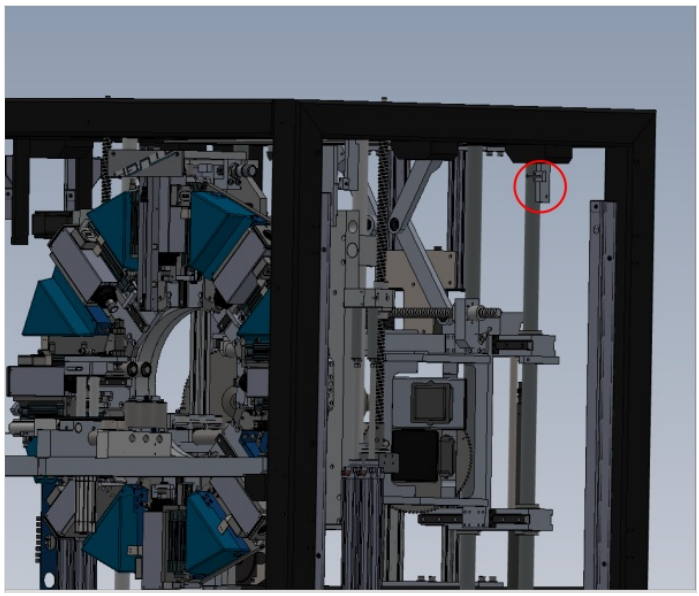




Step 13 - Route X247

Connect X247 from loom box onto V safe sensor and route as shown to FB01B





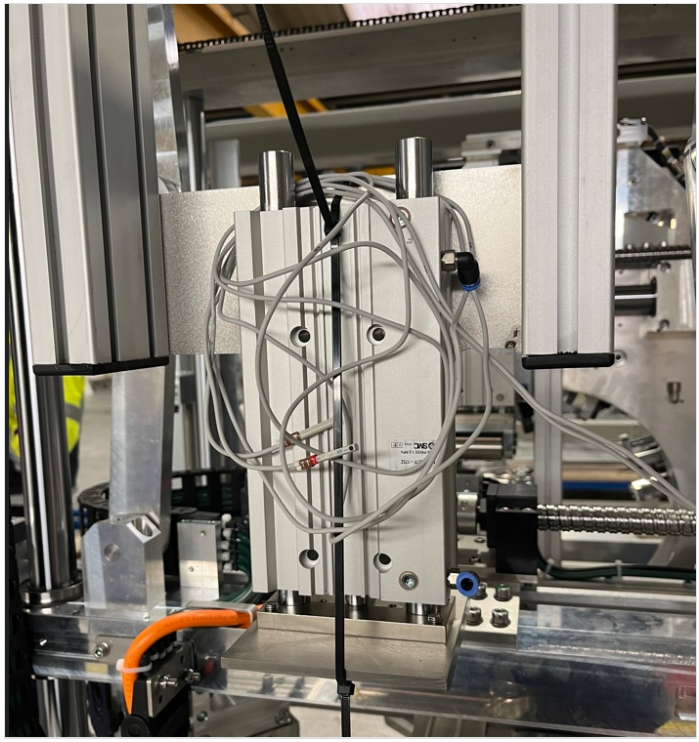
Step 14 - Route X111 and X112

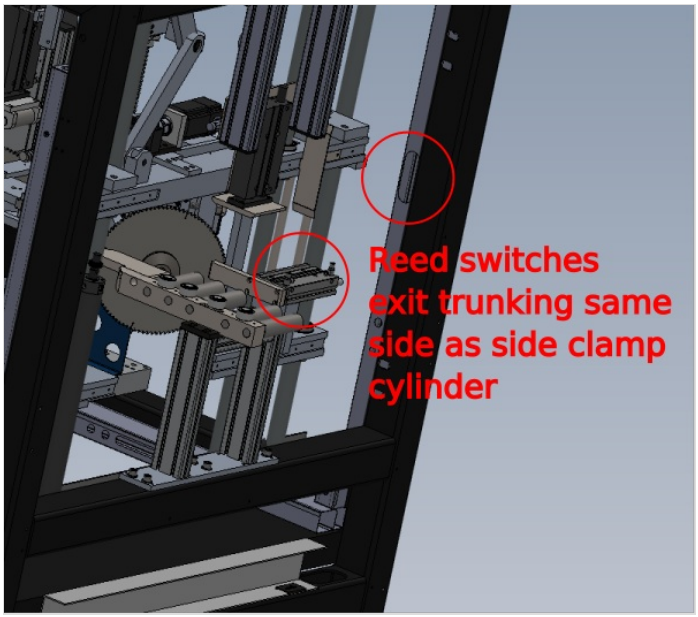
Route X111 and X112 reed switches from loom box and route as shown

Reed switches to exit same side as cylinders for V notch clamps

Ensure minimal cable length is left at FB01B connection end

Coil reed switches onto cylinder for temporary measure

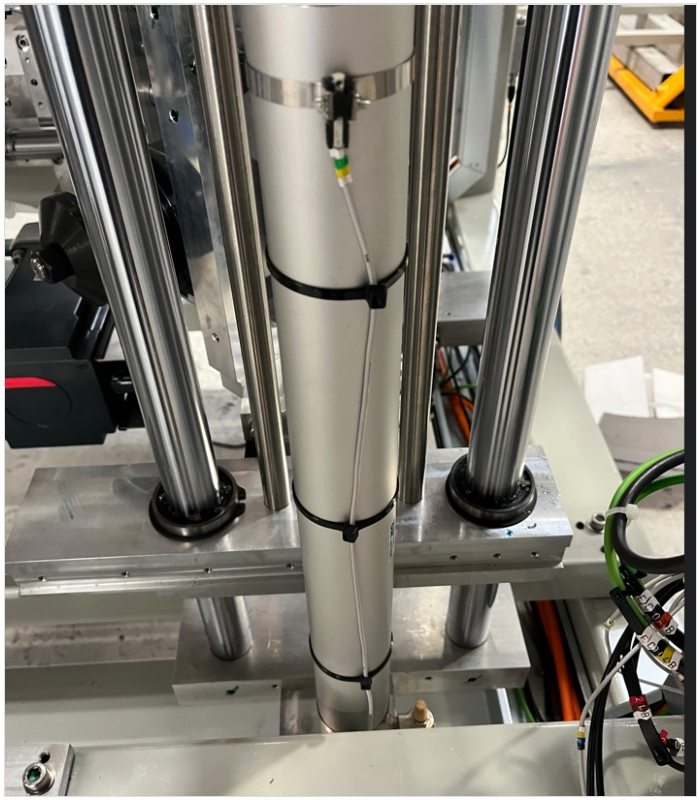


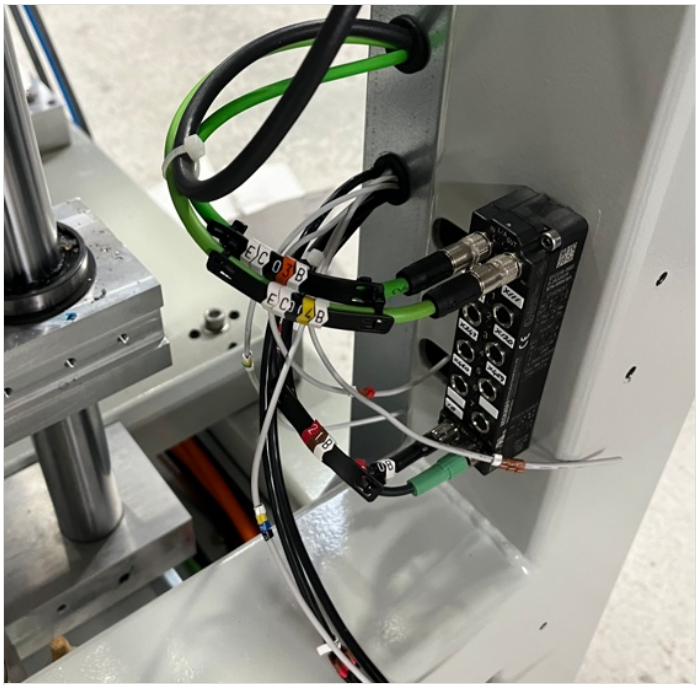

Reed switches
exit trunking same
side as side clamp
cylinder

Step 15 - Route X459 and X460

Route fitted reed switches X459 and X460 to FB01B

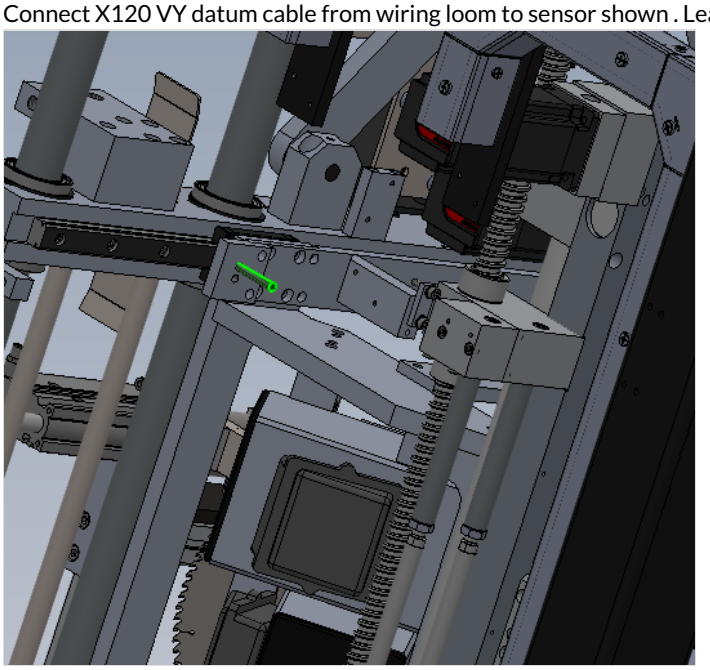
Ensure spiral wrap is used and routed as shown

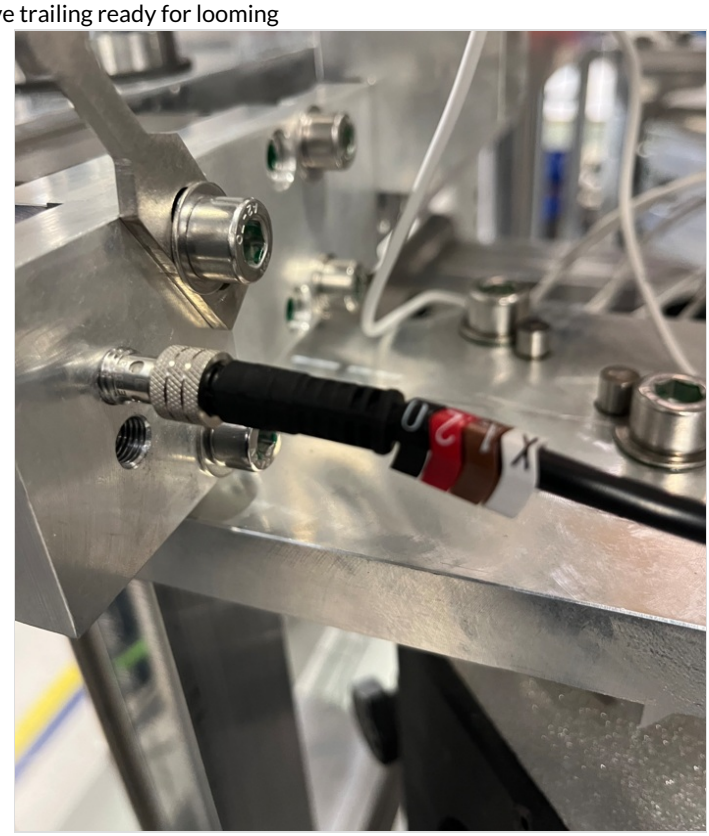




Step 16 - X120 VY Datum

Connect X120 VY datum cable from wiring loom to sensor shown . Leave trailing ready for looming





Step 17 - Route ring power Cables Z105 onwards

Route power cables from ring and exit as shown for Z105 and later

Z104 will have green power cable instead of grey, and single earth cable , route same as above