

R0015034B ZX5 Module B Wiring Loom installation Part 3

Installation steps for Electrical looms installation into Module B

 Difficulty **Hard**

 Duration **1 minute(s)**

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Comments

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



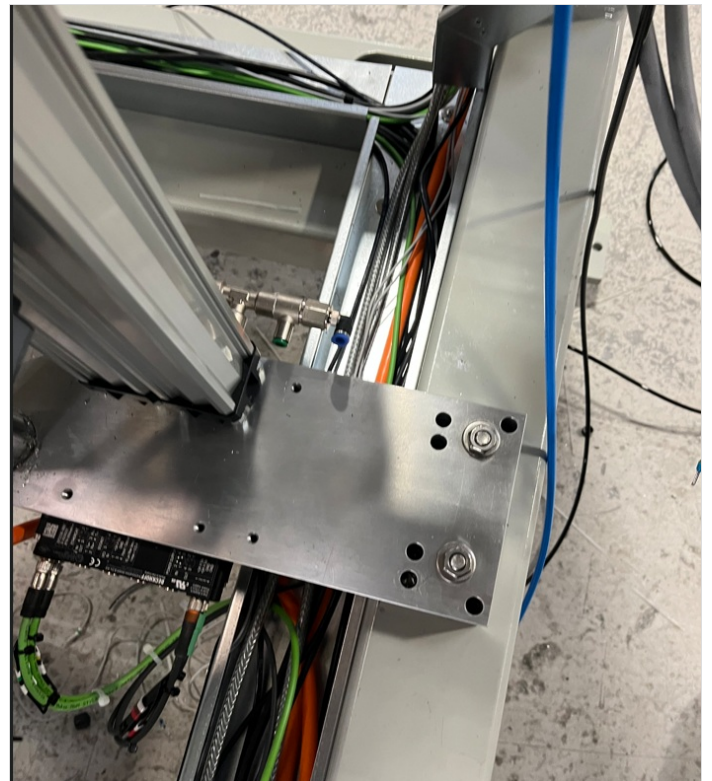
Step 2 - Route Pre made 300hz connection

Route as shown power connection from wiring loom assembly

Z105 onwards as pictures

Z104 and below Different style plug mounted internally in trunking

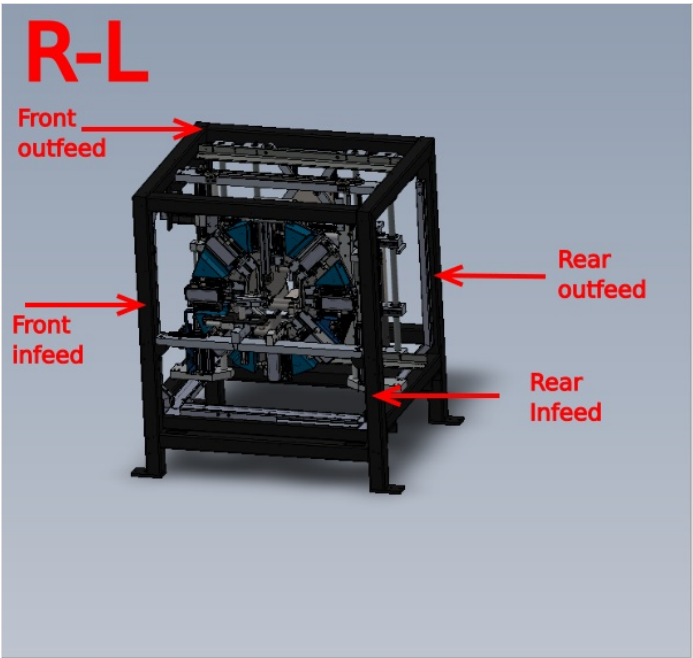
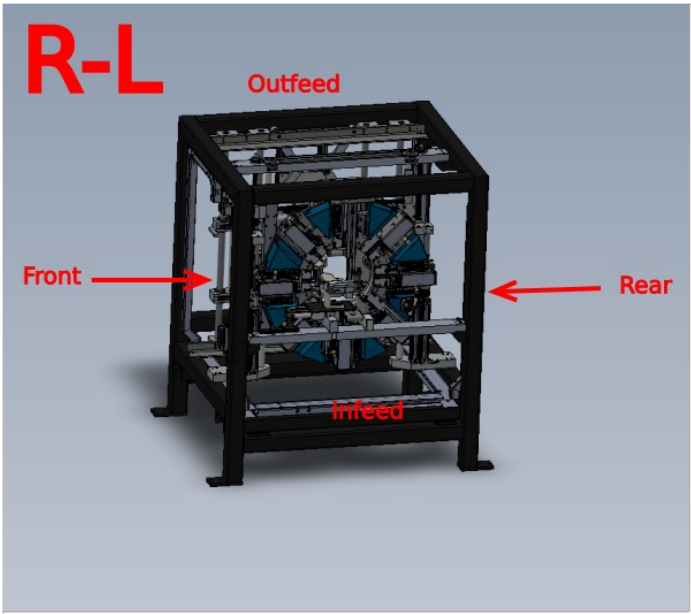
Route cable to rear of machine as shown

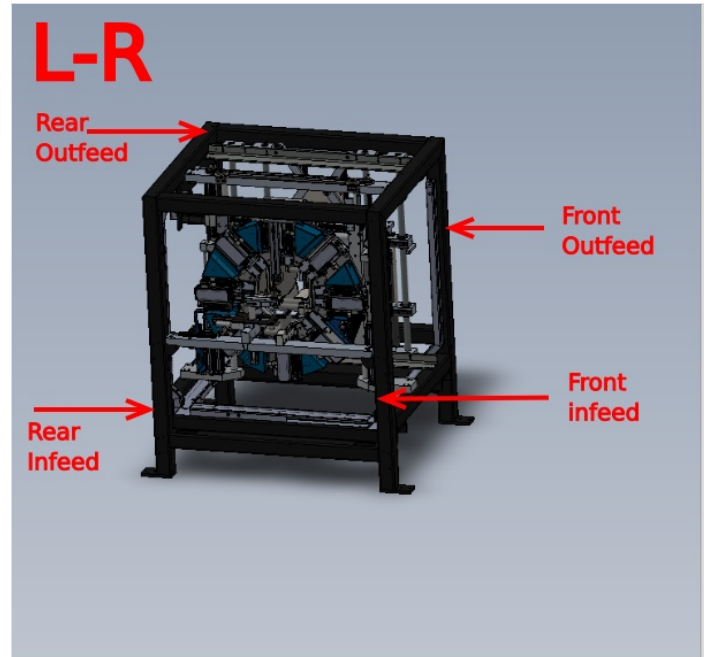
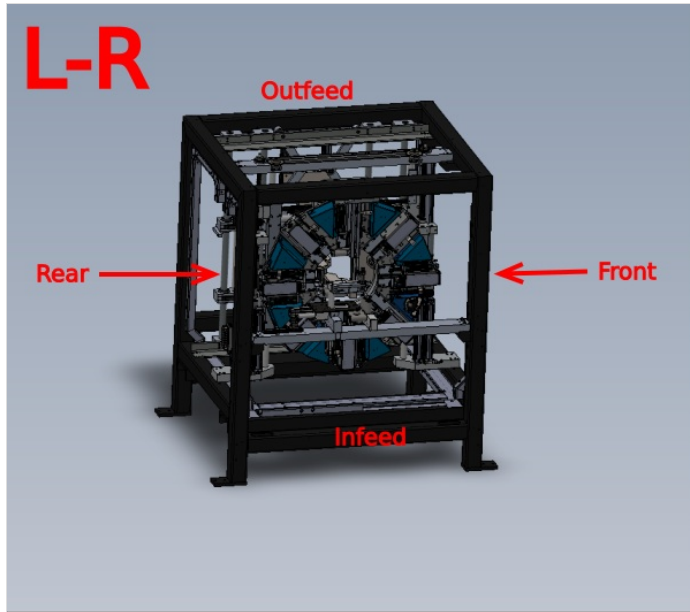




Step 3 - Handing guide

Please diagram to determine handing positions of machine sections





Step 4 - Guard switches

Use pre wired guard switches from wiring loom box

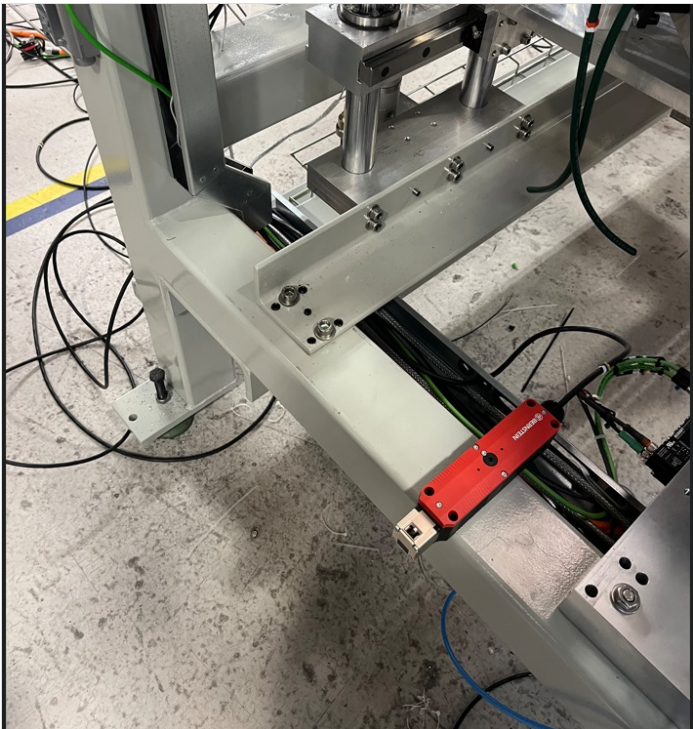
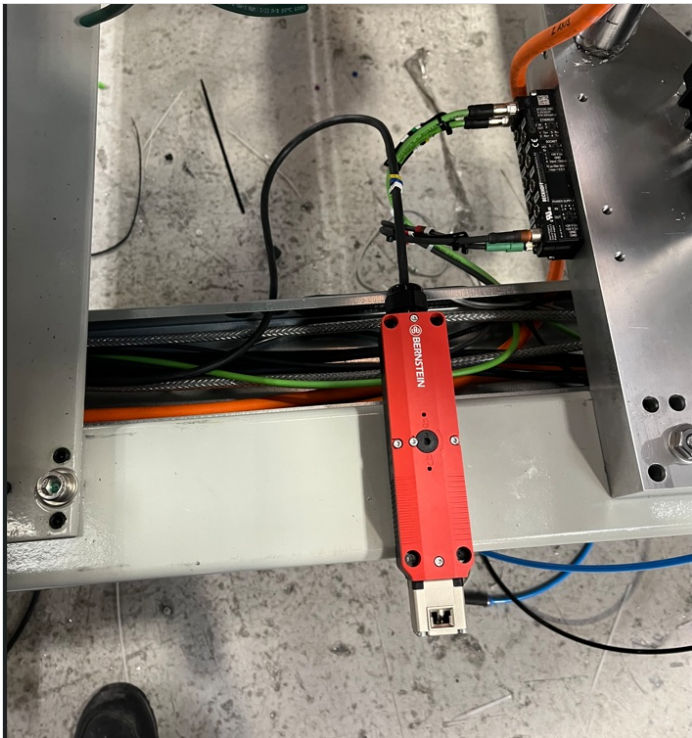
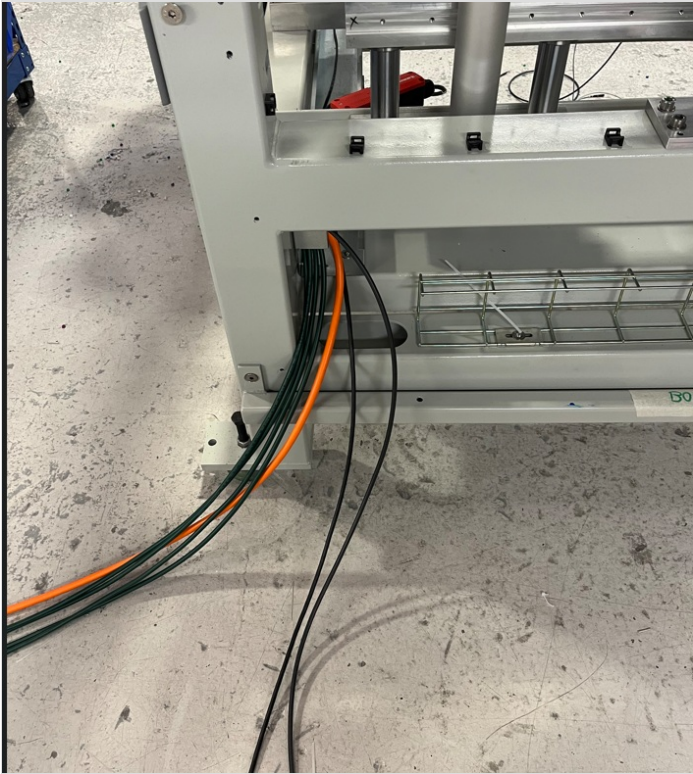
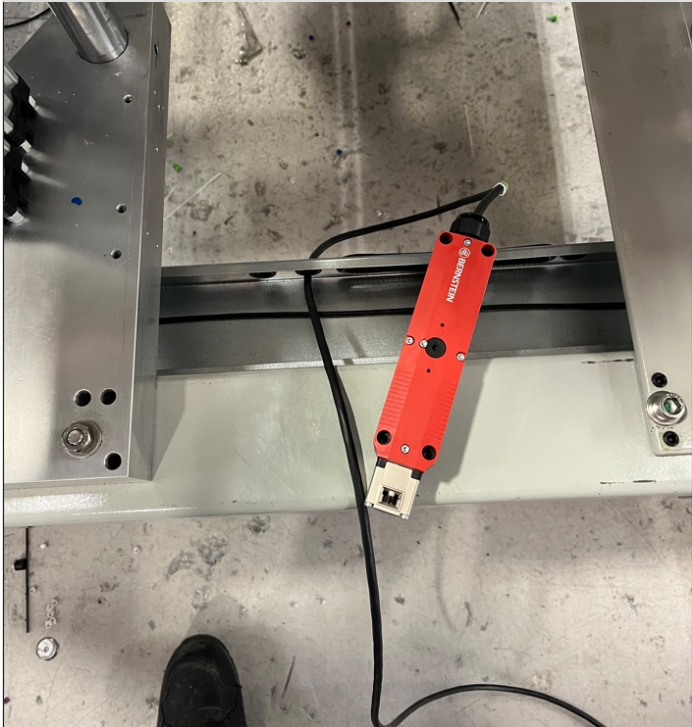
CB45B Front interlock guard switch

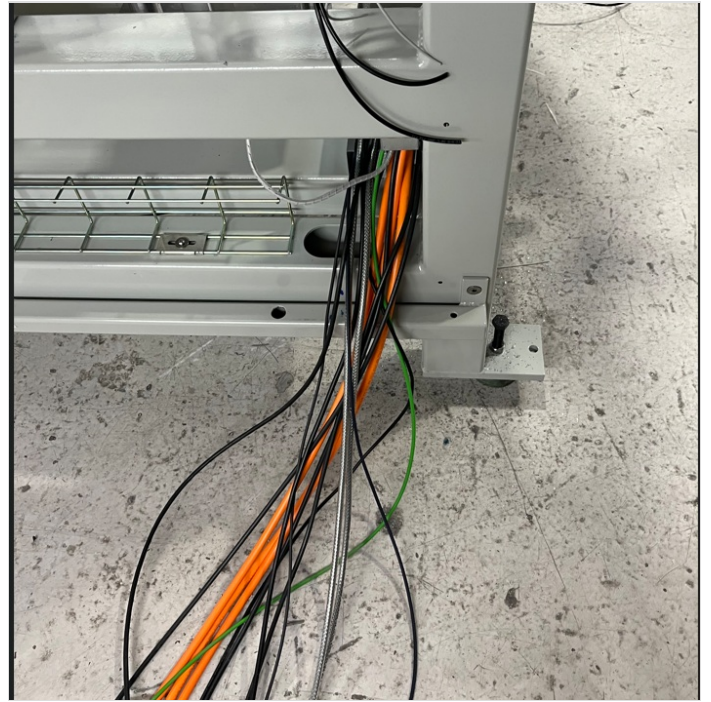
Cb46B Rear interlock guard switch

Use diagram to determine position

Run cable to rear exits of machine

i ...Gaurd switches will be fixed into position at a later point



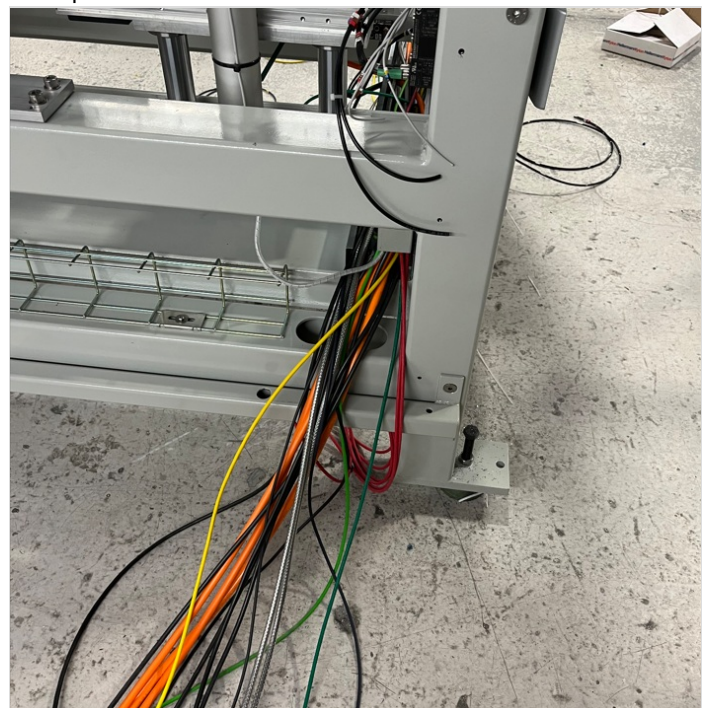
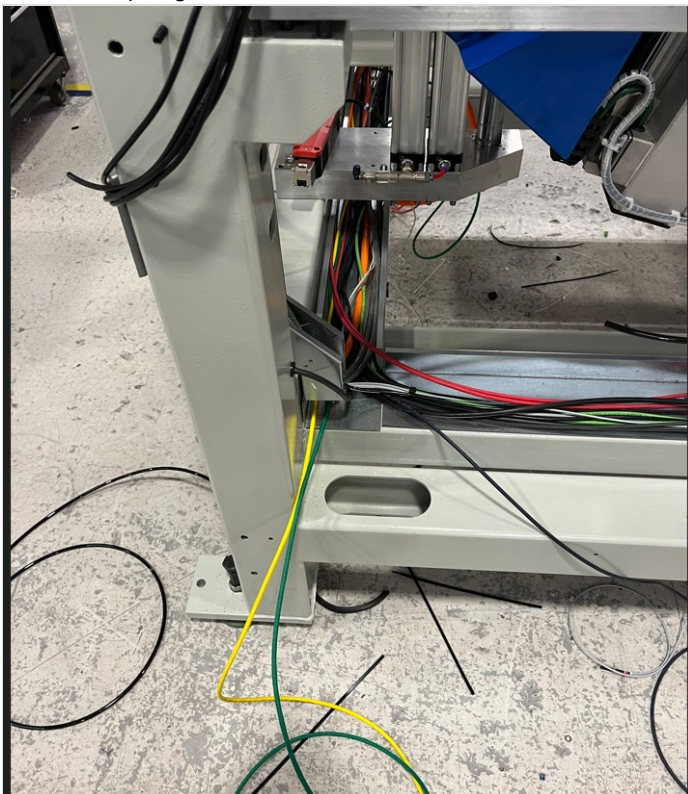


Step 5 - Route Network cables

Route yellow and green network cables from loom box as shown

Cables route from Rear outfeed to rear infeed as shown .

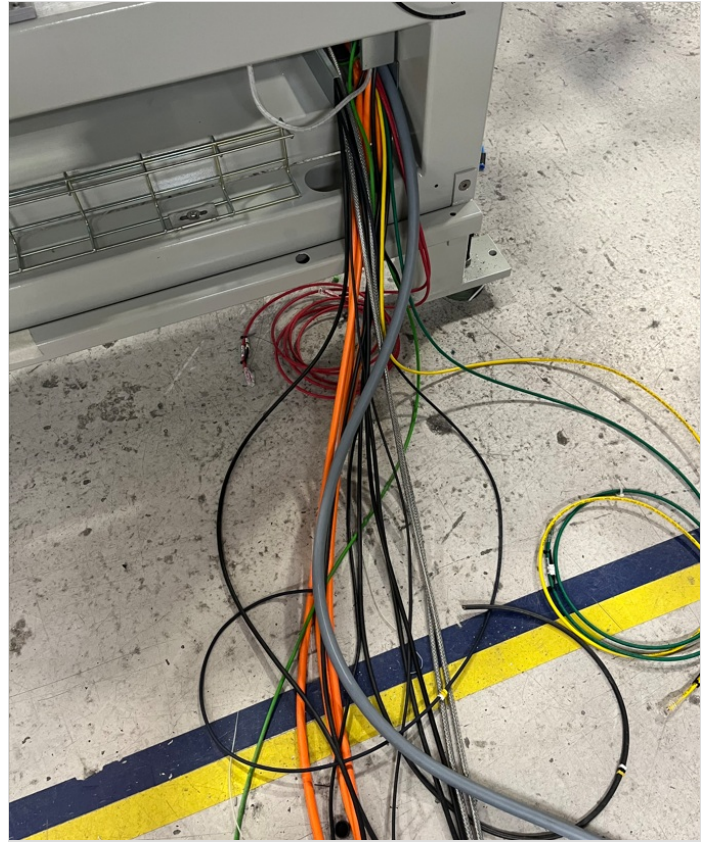
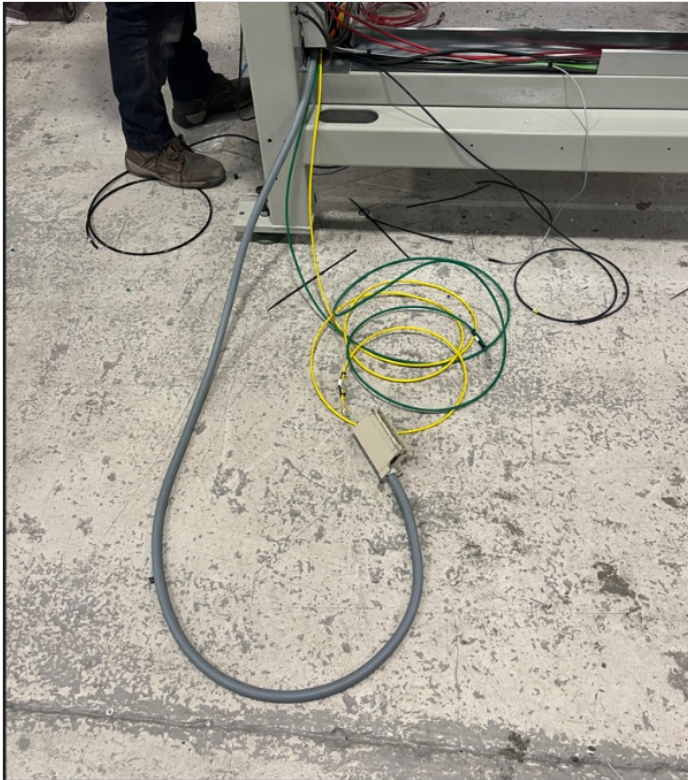
Please clarify length of cable to be left extended from front or back of machine please



Step 6 - Route 25way cable

Route 25way cable as shown. Route from Rear Infeed to Rear outfeed positions

Male plug to be positioned at Rear infeed position as shown



Step 7 - V notch Motor Cables and VY Datum

Use cables

CB01B for connection to VI motor

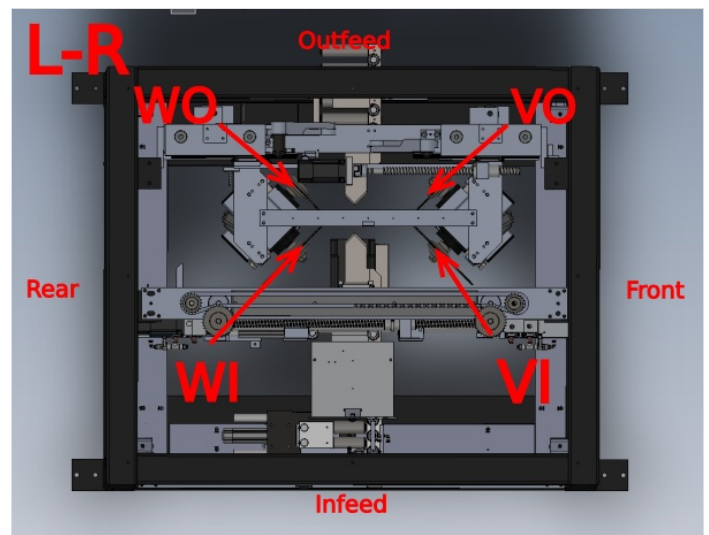
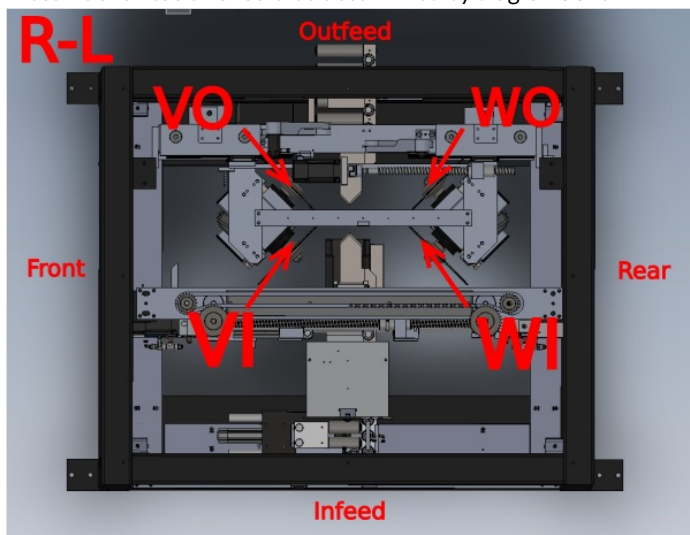
CB02B for connection to VO motor

CB03B for connection to WI motor

CB04B for connection to WO motor

and already installed Cable x120

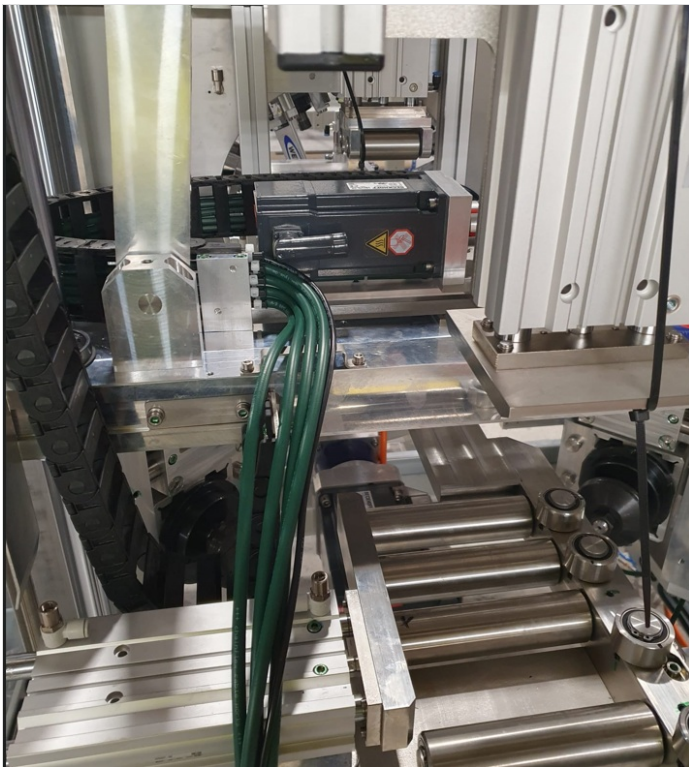
Motor identification should be determined by diagrams shown



Step 8 - Route V notch motor cables and X120 1st energy chain

Route Cables as shown , to first energy chain , then through energy chain to exit point

Ensure cable retention points on energy chain brackets are used



Step 9 - Route V notch motor cables, SY servo cable and X120 2nd energy chain

Use Servo cable identified V axis from wiring loom box, and incorporate with previous step cables to enter next energy chain .

Ensure cables are as shown and cable retention bracket is used to enable cables to be kept flat once fitted

Exit cables from top of energy chain



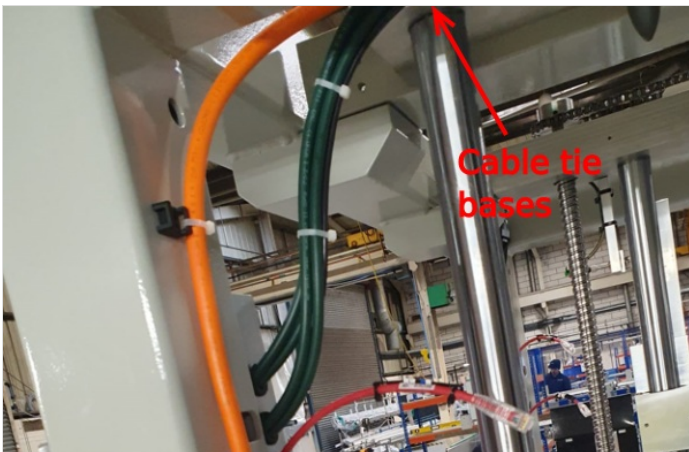
Step 10 - Route V notch motor cables, SY servo cable and X120

Route 4 off green cables and x120 into trunking through 2 off 20mm grommit holes

Route servo cable as shown on cable tie bases

Ensure large cable base is fitted and used at indicated point

Exit cables at rear of machine







Step 11 - Door Hinge safety cables

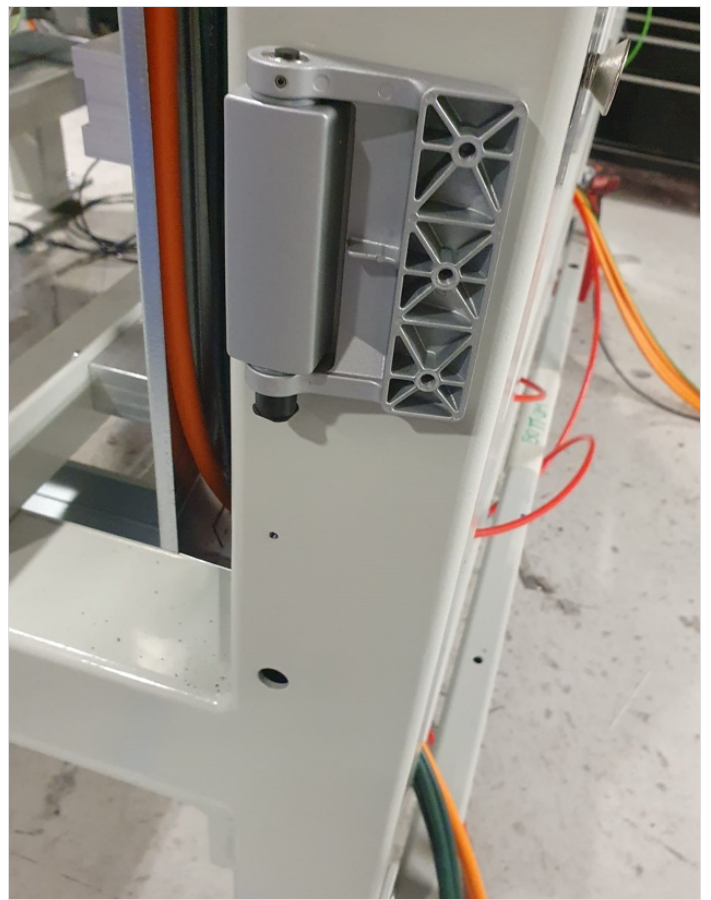
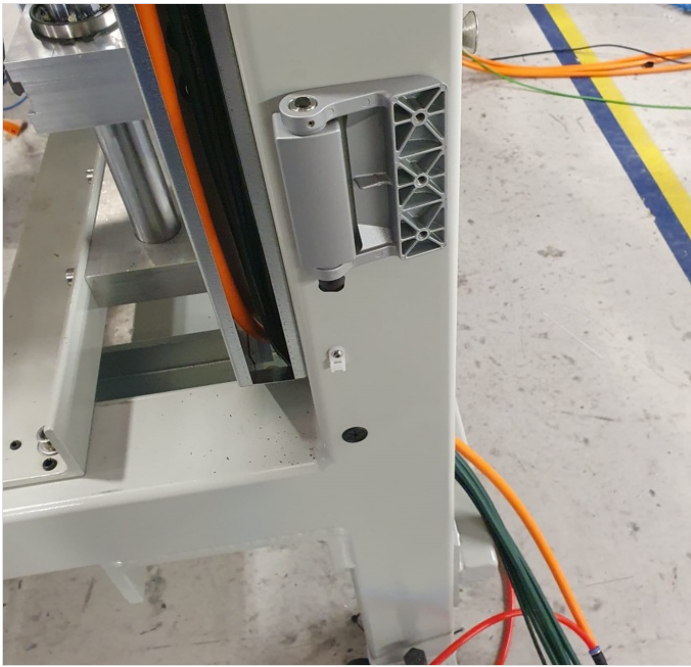
Use step 3 for correct identification of positions required

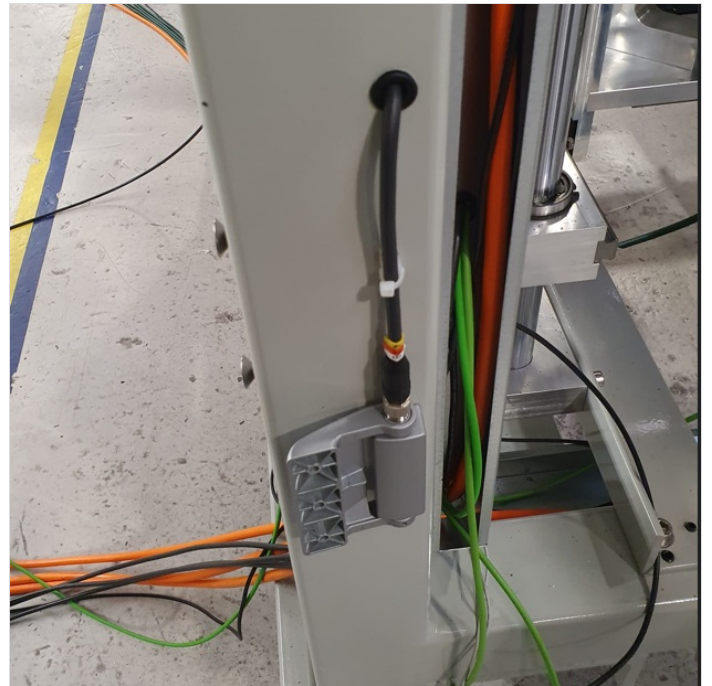
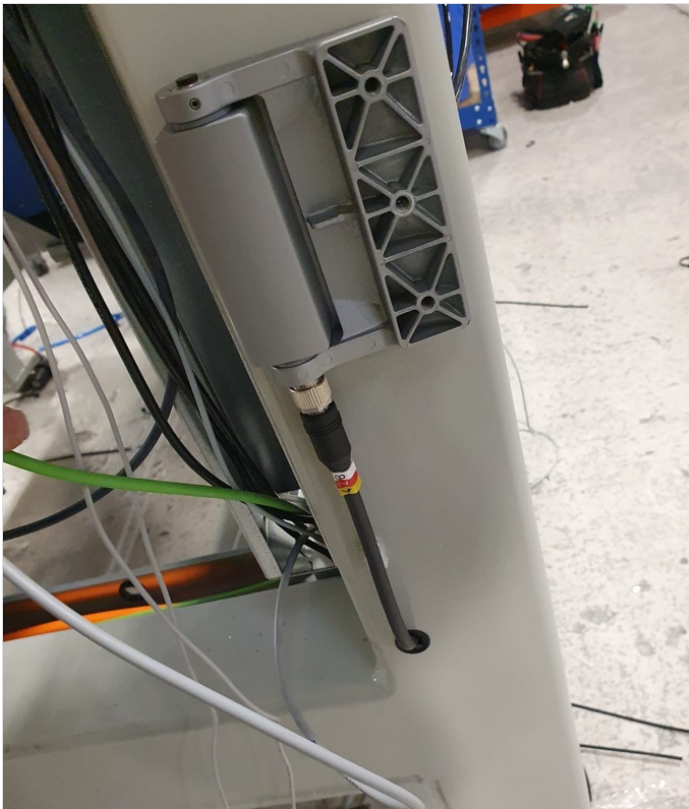
Use 4 off cables from wiring loom box

CB40B Front Infeed Hinge
CB41B Front Outfeed Hinge
CB42B Rear Infeed Hinge
CB43B Rear Outfeed Hinge

Ensure Tie base is used as shown , and star grommits are used for cable entry and exit through main frame work

All Cables to exit at rear of machine





Step 12 - Camera Ring

Use cable from loom box labelled EN04B

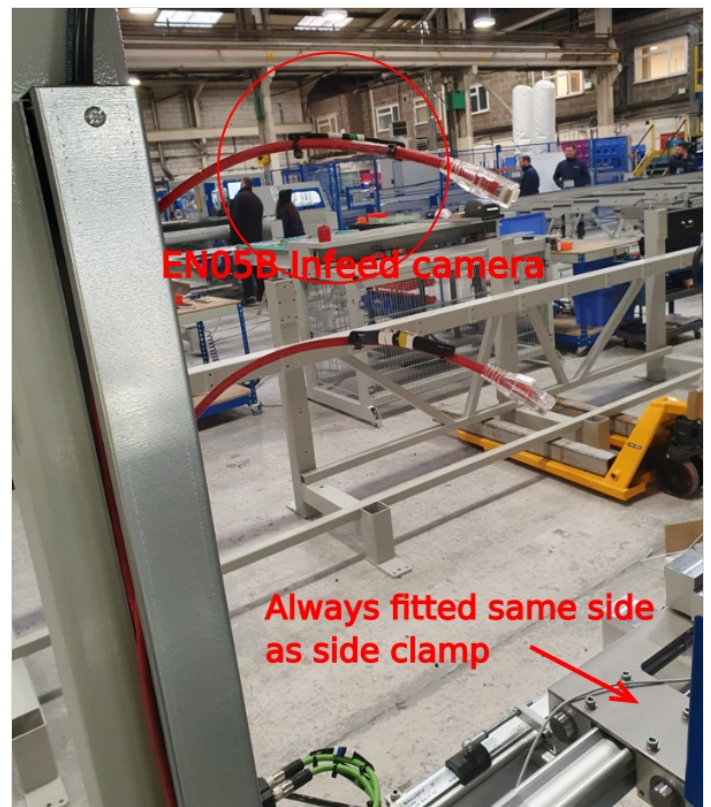
Run from vertical trunking and exit cable at rear of machine



Step 13 - Camera Infeed

Use cable from loom box labelled EN05B

Run from vertical trunking and exit cable at rear of machine

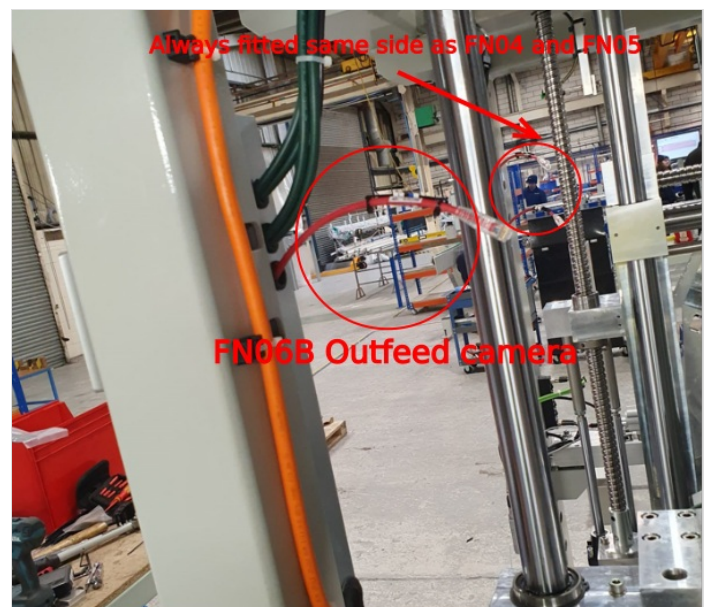


Step 14 - Camera Outfeed

Use cable from loom box labelled EN06B

Always fitted same side of machine as previous 2 fitted camera cables

Run from vertical trunking and exit cable at rear of machine



Step 15 - Beacon and light

Use cables CB532B and CB06B from wiring loom box.

Fit as shown to Infeed Front position on frame.

Route cables to exit at rear of frame



Step 16 - Air service unit Connection

Use cable CB44B from wiring loom assembly.

Exit lower infeed trunking as shown leaving 1.5 meters out of trunking.

Route cable through trunking and exit at rear of frame

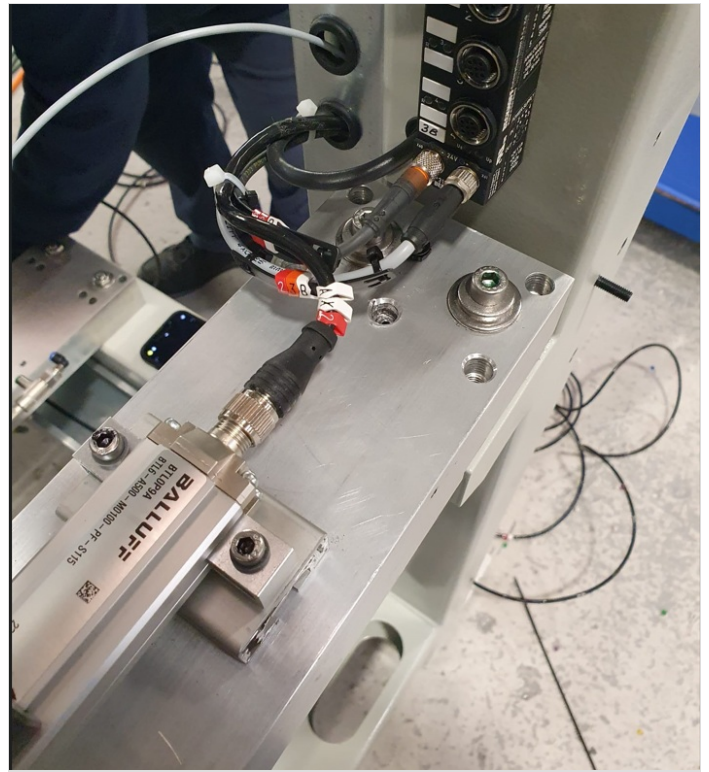


Step 17 - Width Sensor connection

Use cable AX2 and connect to width sensor assembly as shown

For R-L configuration, cable must enter trunking and route across lower trunking from width sensor to FB03B connection box

For L-R configuration (shown) connect cable to width sensor assembly, enter trunking then exit again for connection to FB03B

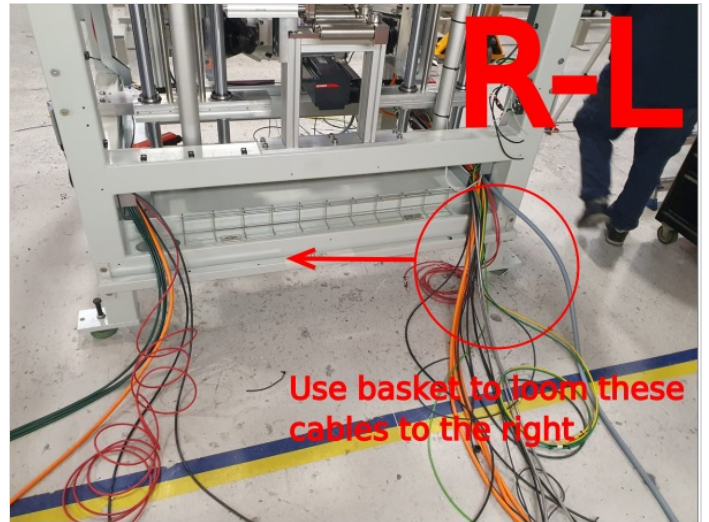
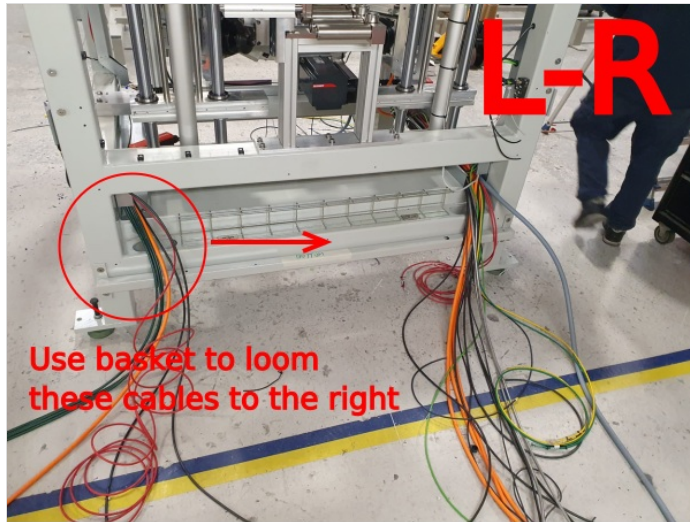


Step 18 - Identify rear loom position

Use diagram to identify rear loom routing point

For L-R cable loom should route to the right side (viewed from back)

For R-L cable loom should route to the left side (viewed from back)



Step 19 - Loom Cables

Loom cables across wire basket

Ensure top 2 fixing points are not used for cables (required for pneumatics)

