

R0000738 Pneumatic Installation Part 3

Pneumatic installation details for ZX5 module B

 **Difficulty** Hard

 **Duration** 1 minute(s)

Contents

- Introduction
- Step 1 - Unless otherwise stated
- Step 2 - Connect Air service unit
- Step 3 - Connect Air gun
- Step 4 - Flow reg directions
- Step 5 - Finalise Y395 Connections
- Step 6 - Flow reg directions
- Step 7 - Y386 connections
- Step 8 - Y351 and Y270 connections
- Step 9 - Y360 connection
- Step 10 - Fit Quick exhaust valves to Z supports
- Step 11 - Assemble V cut valve
- Step 12 - Mount to cross beam
- Step 13 - Connect Y389
- Step 14 - Y389 cylinder connections
- Step 15 - Fit rear lower panel
- Comments

Introduction

Tools Required

- Pipe cutters
- Pipe identification numbers

Parts Required

- D0015703 Air Gun Bracket x 1
- P0000010 Elbow Adaptor 6mm - 1/8 BSPT (Taper thread) x 2
- P0000046 Fitting: 'Y' Adaptor 6mm x 4
- P0000053 6mm T (P16) x 2
- P0000075 Parallel Y Connector 8mm x 1
- P0000077 Straight Adaptor 8mm - 1/8BSP x 3
- P0000160 Fitting: Flow Controller In Line 6mm x 4
- P0000161 Plug-in Reducer 6mm Tube 8mm Fitting x 6
- P0000401 6mm inline non return valve x 2
- P0000470 Valve: 5/2 PnPnu 1/8BSP x 1
- P0000513 Ball valve with QS connector x 1
- P0000551 6mm inline Quick Exhaust Fitting x 6

P0001106 Plug in reducer 12mm to 8mm x 7
P0001107 12mm Y connector x 8
R0015114 Bench Assemble Valve banks and Regulators

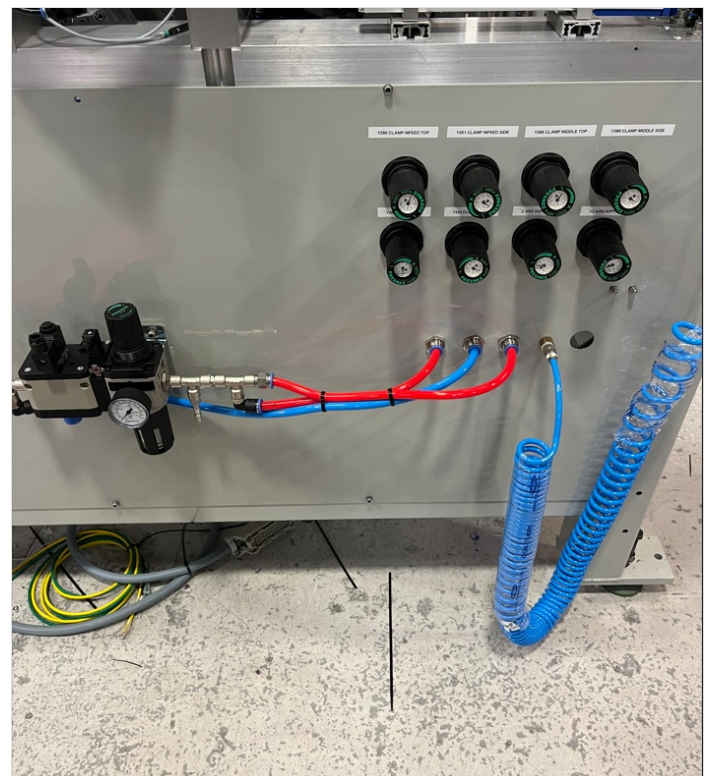
Step 1 - Unless otherwise stated

Use Loctite 243 on all fasteners
Use Loctite 572 on all threaded pneumatic connection
Pen mark all fasteners to show finalised



Step 2 - Connect Air service unit

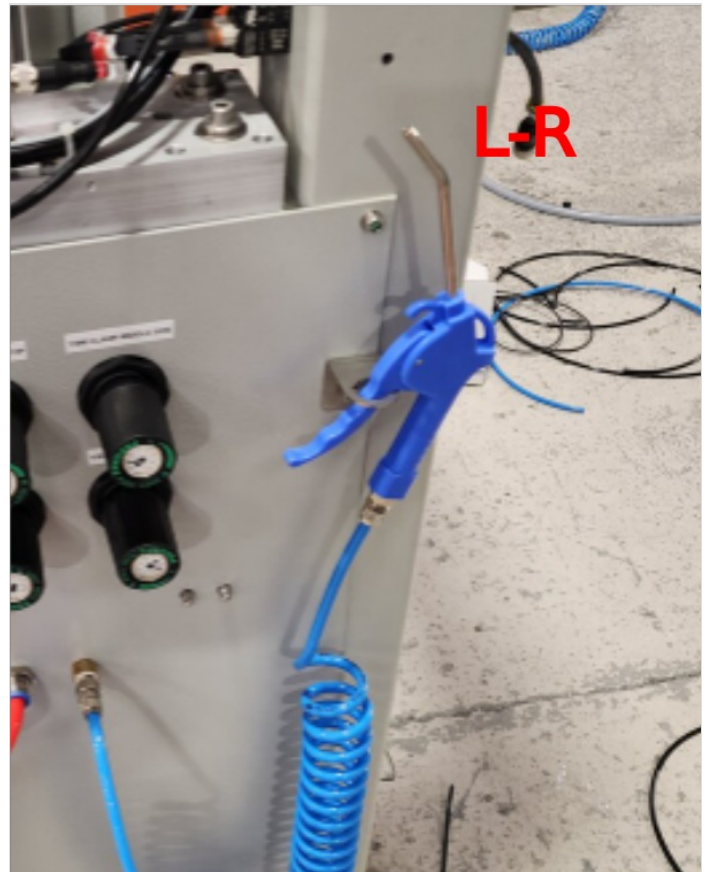
Connect 2 off 12mm red and 1 off 12mm blue pipes as shown to air service unit



Step 3 - Connect Air gun

Drill hook hole centre 120mm down at edge of panel. M6 tapped.

Attach bracket D0015703 for airgun and insert airgun



Step 4 - Flow reg directions

Please ensure flow regulators are installed in the correct orientation

Please refer to diagram for correct installation



Step 5 - Finalise Y395 Connections

Use P0000053 6mm tee to split 3951 pipe as shown

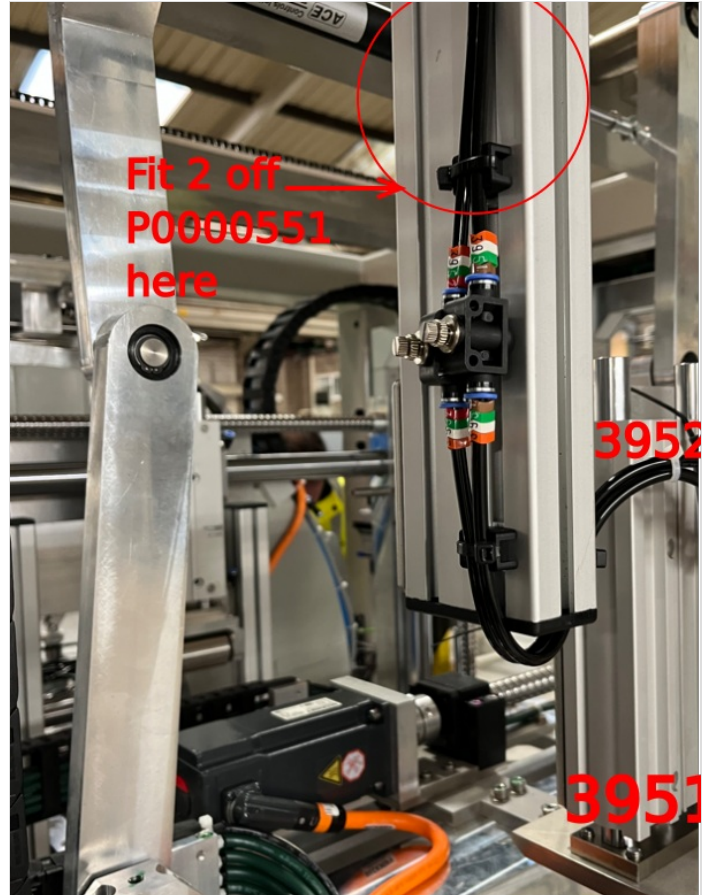
Run 3952 to top clamp

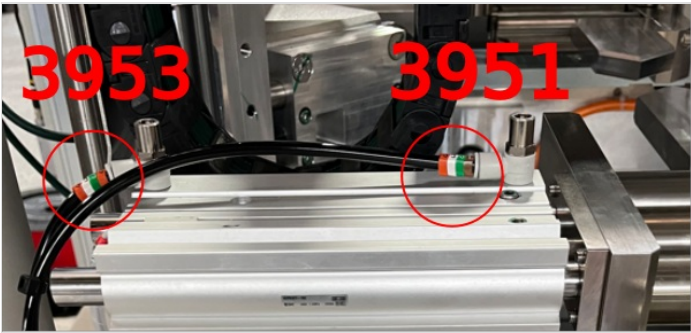
Run 3953 to side clamp

Use 2 off P0000160 flow regs to control flow as shown for top clamp

Use 4 off P0000551 quick exhaust valves, ensuring fitted before flow regulation

Incorporate 2 off reed switches into loom to connect to cylinders X111 Top clamp home and X112 side Clamp home

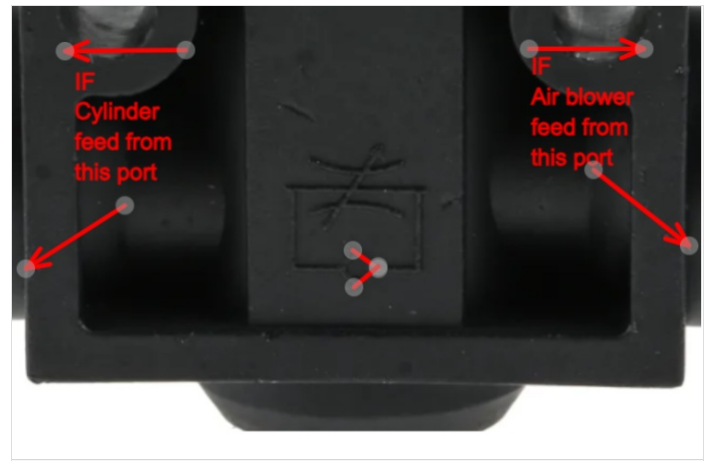




Step 6 - Flow reg directions

Please ensure flow regulators are installed in the correct orientation

Please refer to diagram for correct installation



Step 7 - Y386 connections

Spiral Wrap loom of 3861,3862 and 3863 pipes. Incorporate X59 and X61 reed switches into loom

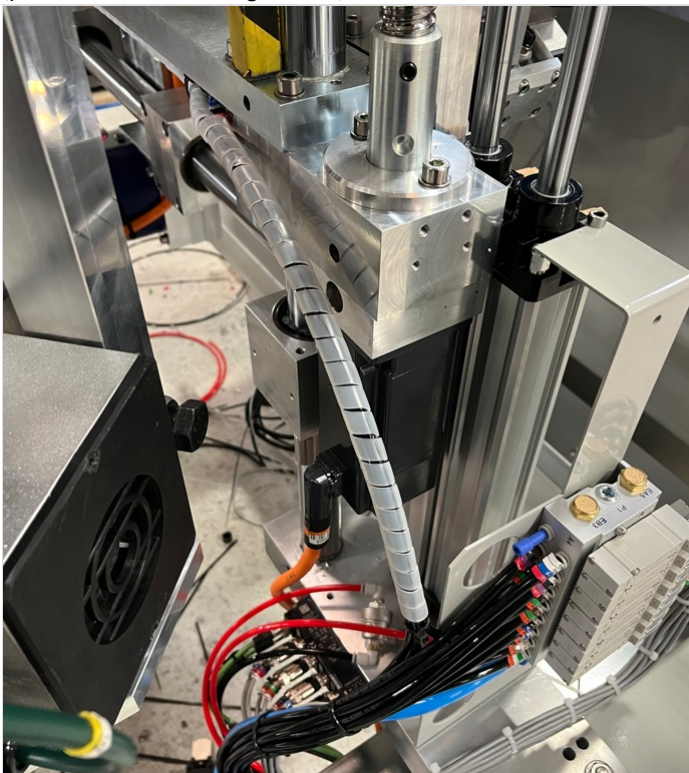
Use P0000046 6mm Y connector to split 3861 into 2 feed pipes

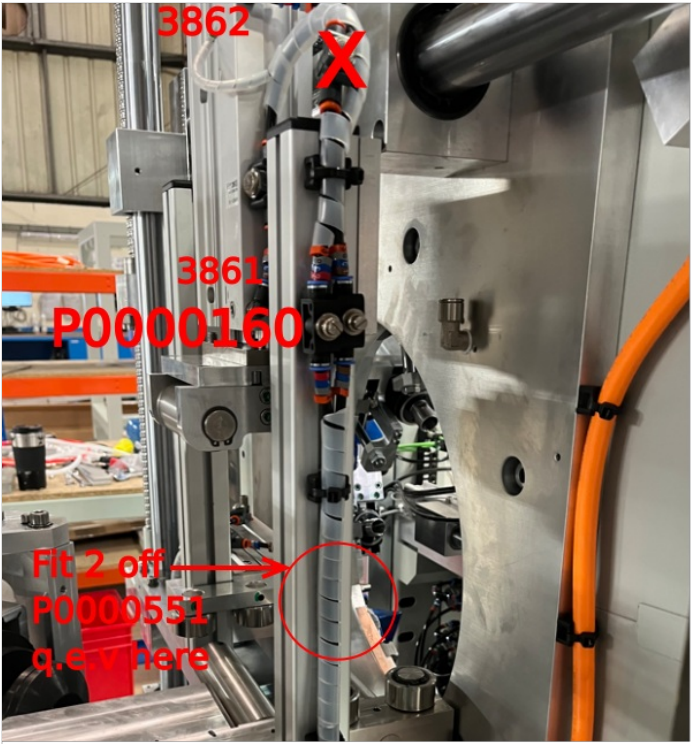
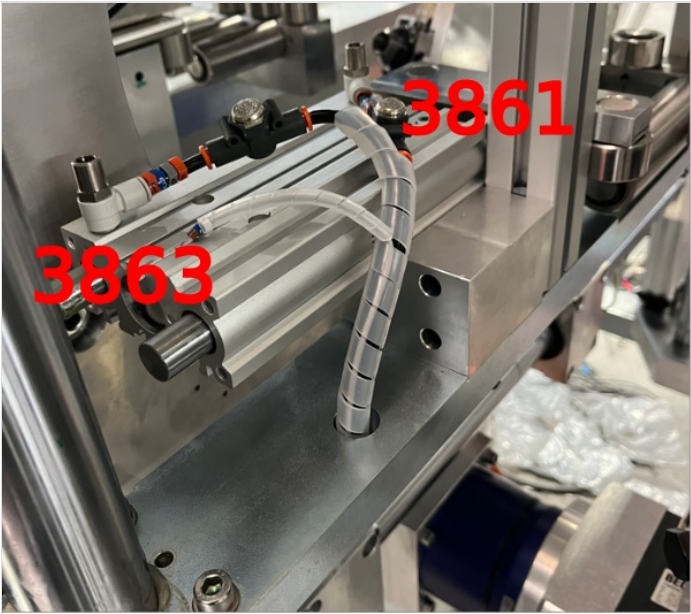
Loom 3861 and 3862 to top clamp with X59 reed switch

Loom 3861 and 3863 to side clamp with X61 reed switch

Utilize cable tie points as shown

(pictures show L-R configuration)



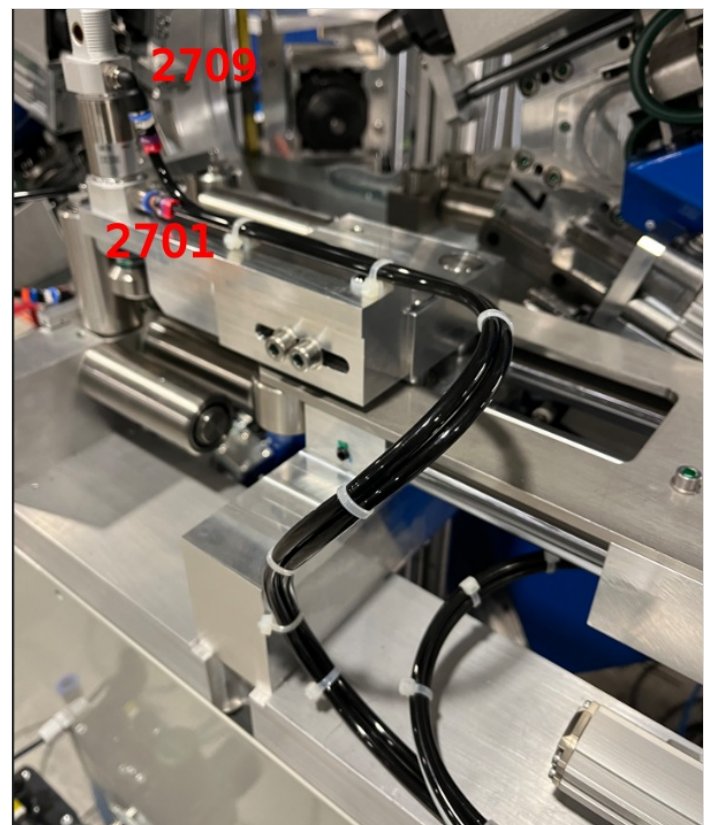
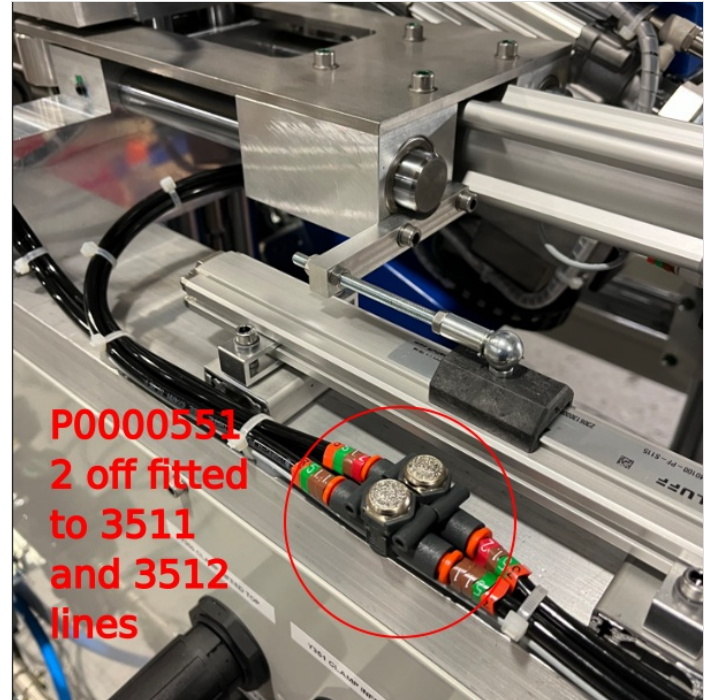
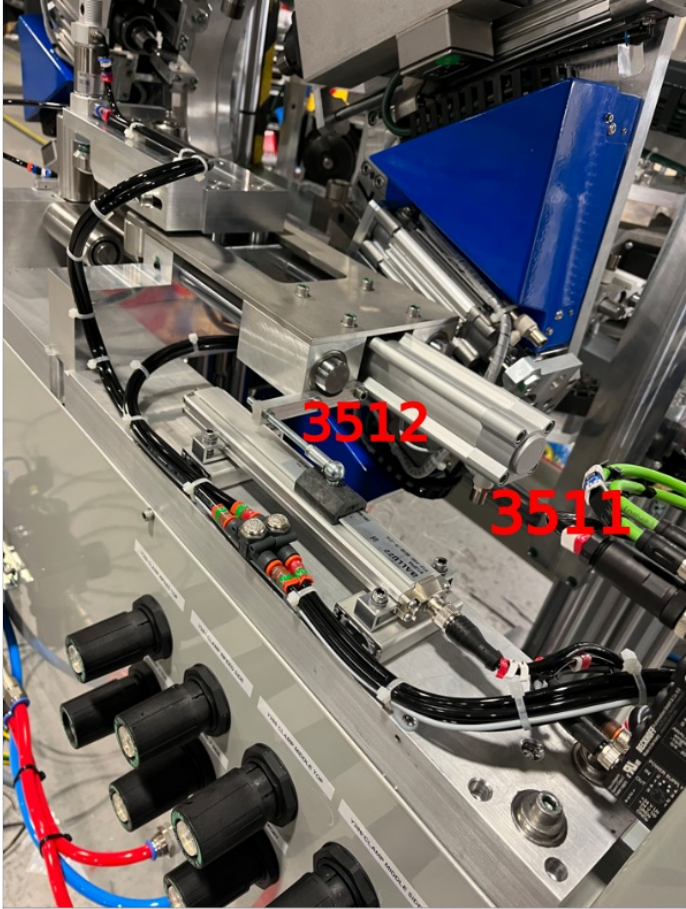


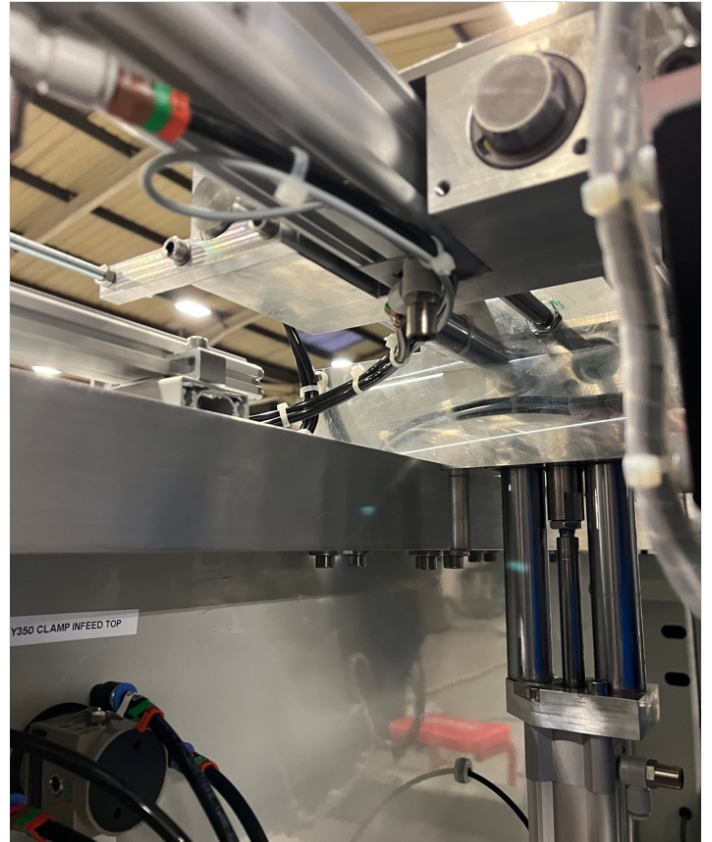
Step 8 - Y351 and Y270 connections

Loom as shown

Incorporate X65 side clamp home reed switch into loom

ensure sufficient slack is left in looms to allow full range of movement

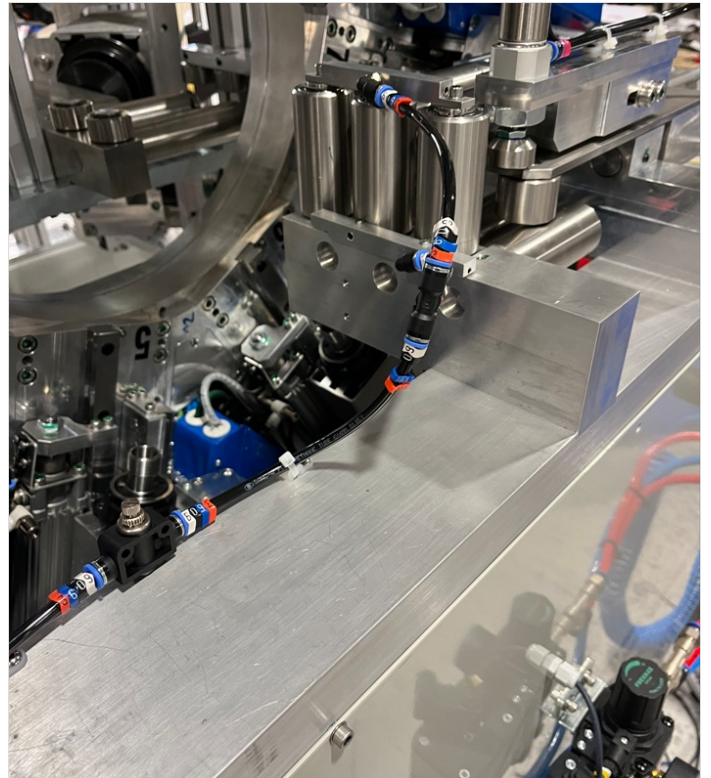


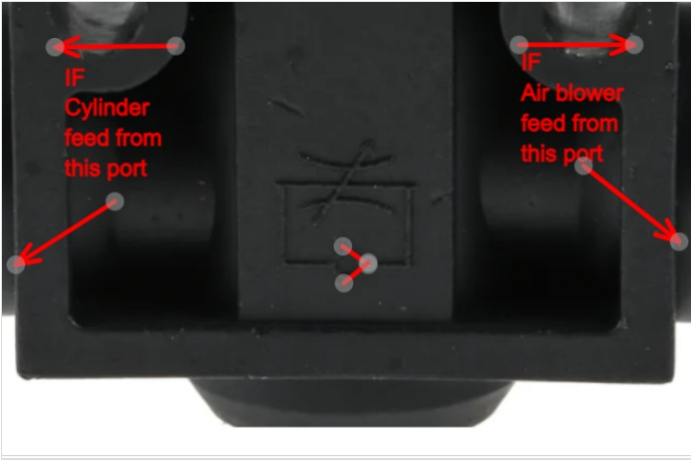


Step 9 - Y360 connection

Route 3609 to roller blower as shown

Utilize pre fitted P0000160 flow reg

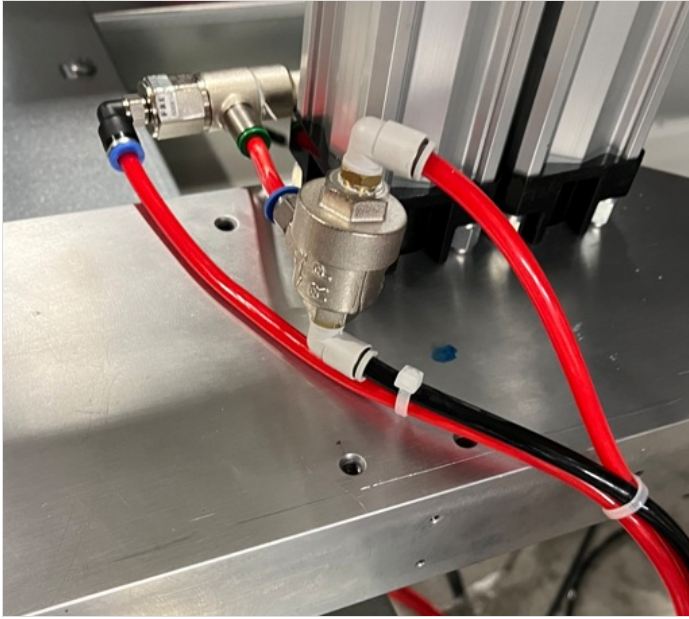




Step 10 - Fit Quick exhaust valves to Z supports

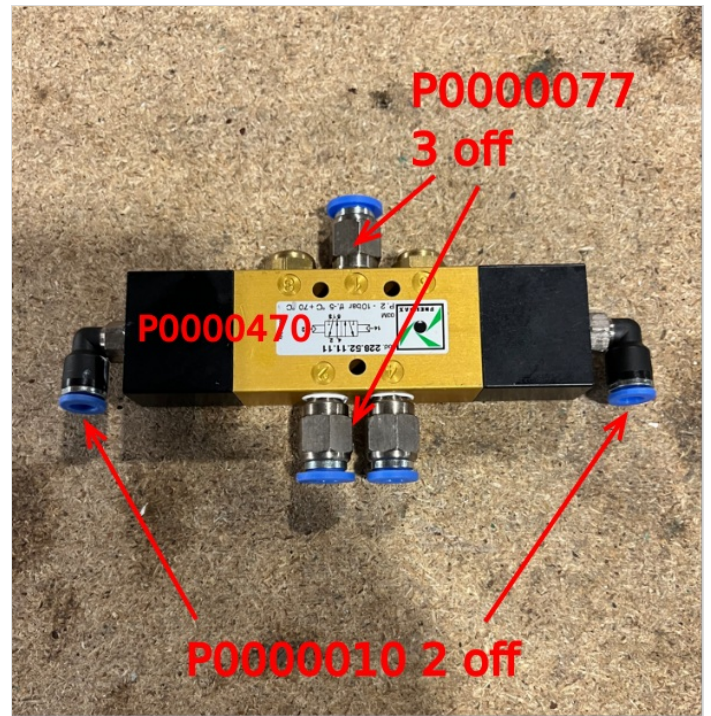
Fit pre assembled quick exhaust valves to z supports as shown

Connect additional 6mm black air pipe to each exhaust as shown and route to point shown at front of machine



Step 11 - Assemble V cut valve

Assemble P0000470 valve as shown

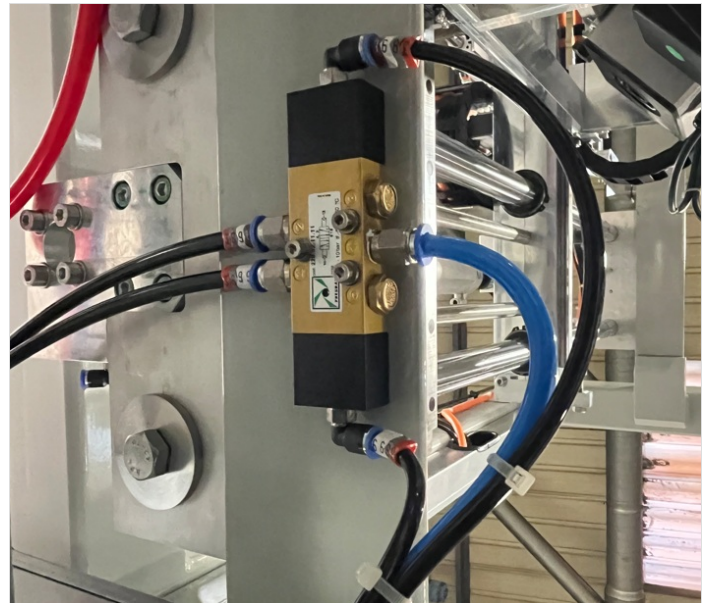
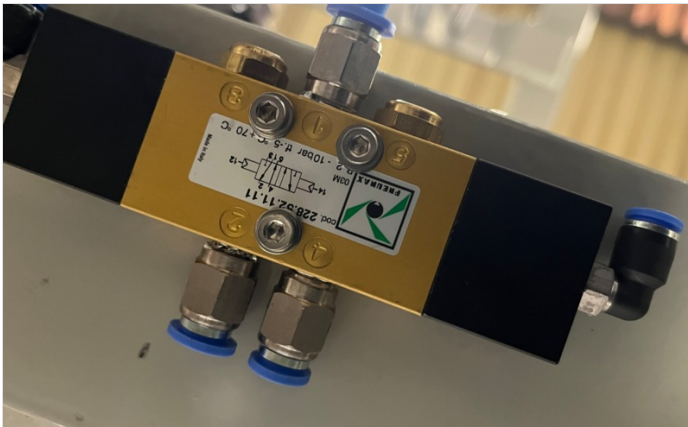


Step 12 - Mount to cross beam

Drill and mount as shown valve to cross beam.

Fix with M4 x 30 socket caps and 2 off A form washers per Socket cap

Fit to cross beam next to 3891 and 3899 pipes exiting trunking

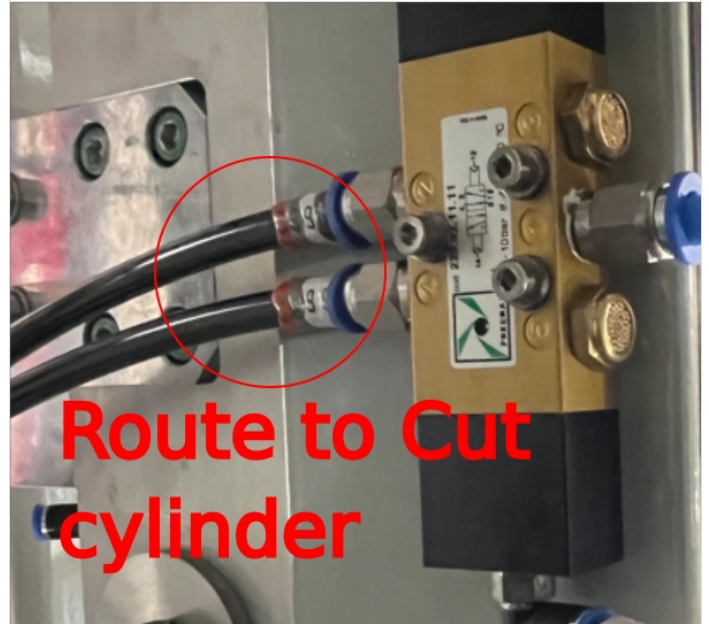
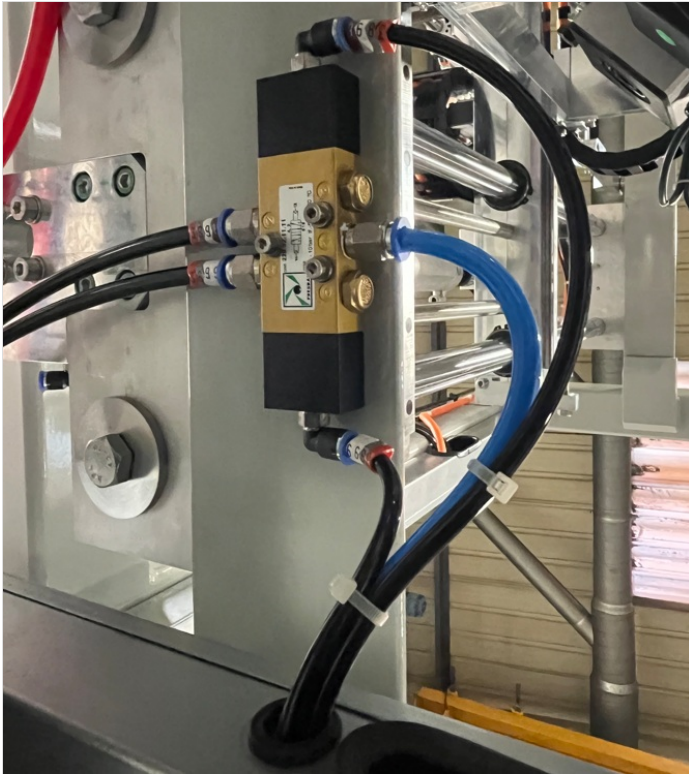


Step 13 - Connect Y389

Connect 3891 and 3899 pipes as shown .

Connect 8mm blue connection to valve as shown

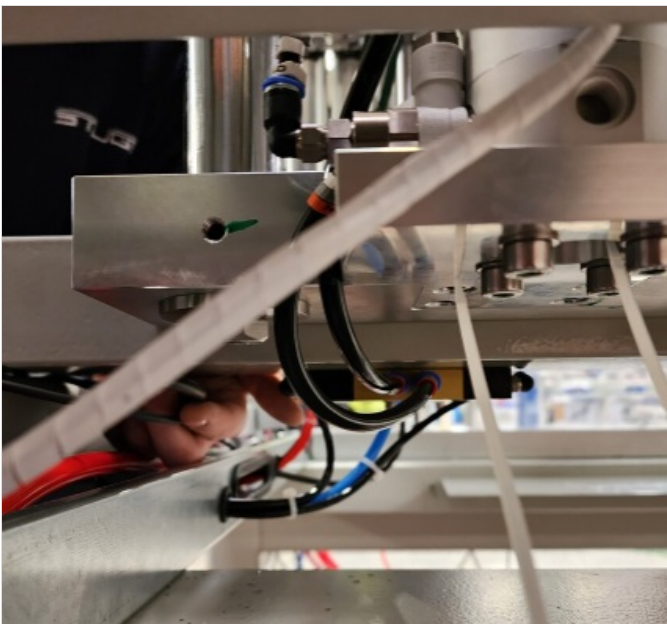
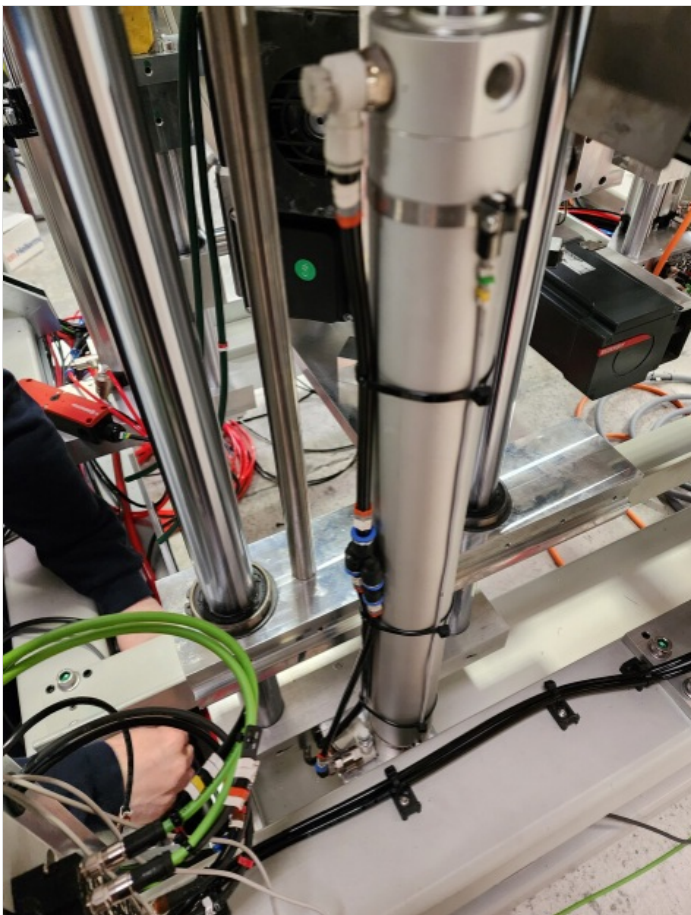
Route exit pipes 3891 and 3899 to cut cylinder

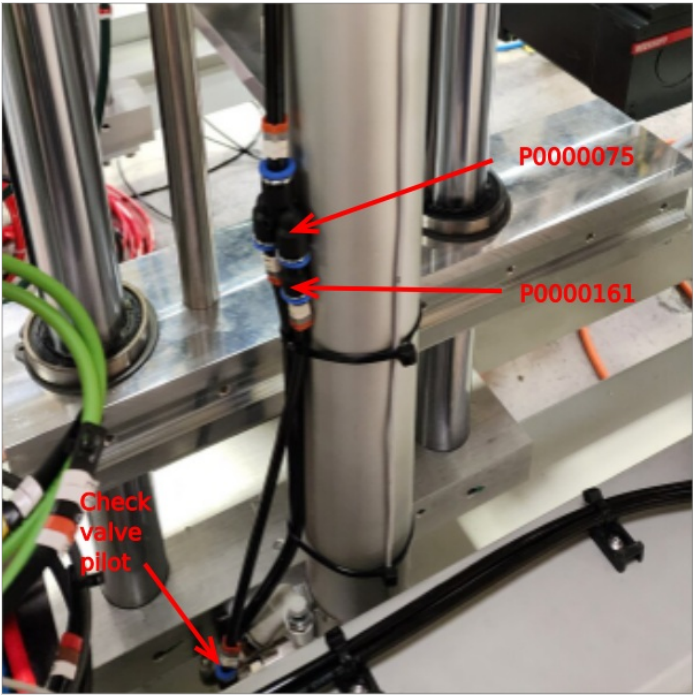
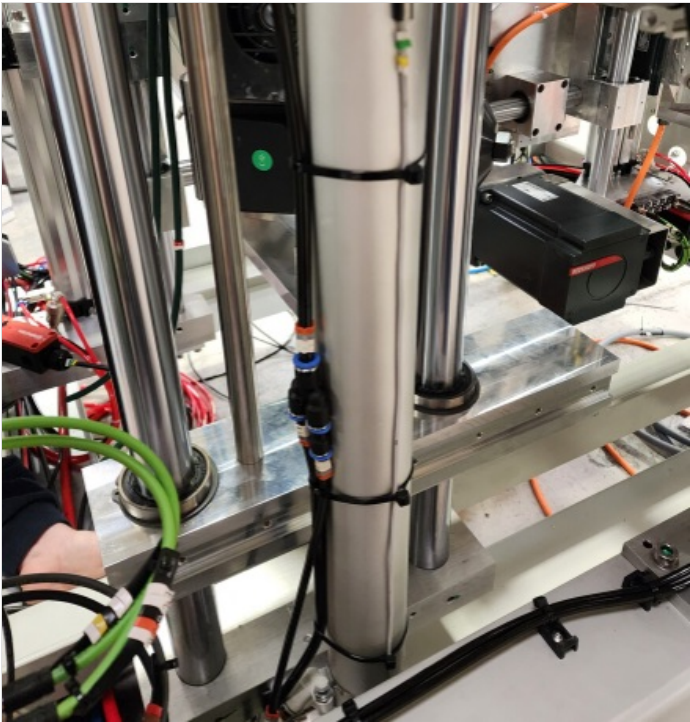


Step 14 - Y389 cylinder connections

Split feed pipe 3899 as shown with 8mm Y connector

Use 8-6mm reducer and feed check valve at bottom of cylinder with 6mm pipe id 3899





Step 15 - Fit rear lower panel

Fit rear lower panel as shown, connecting 2 off 12mm red pipes and 1 off 12mm blue pipes to bulkhead connectors

