

# R0015324 Install pipe and cable looms

Pneumatic connections and cable information

 Difficulty **Medium**

 Duration **2 hour(s)**

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## Introduction

### Tools Required

Standard hex key set

6mm black Air pipe

Pipe identification numbers

Pneumatic Pipe cutters

W0001002 cable (from consumable stock)

### Parts Required

M0001127 Cable Tie Base (m6) (from consumable stock)

P0000046 Fitting: 'Y' Adaptor 6mm x 2

## Step 1 - Unless otherwise stated

Use loctite 243 on all fasteners

Use Loctite 572 on all threaded pneumatic connections

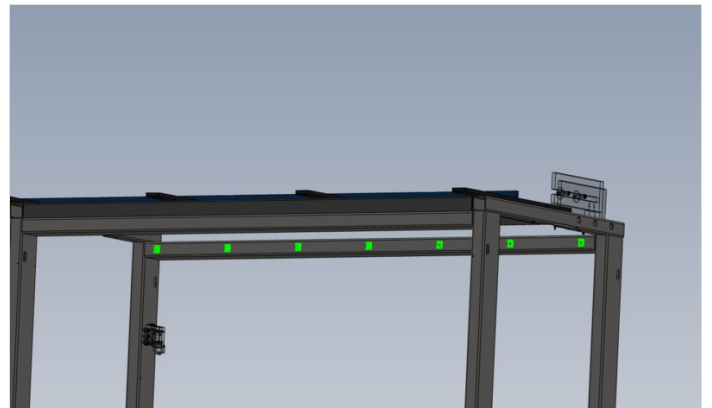
Pen mark all bolts to show finalised



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## Step 2 - Attach tie bases to frame

Attach 7 off M0001127 Cable Tie Base (m6) as shown using M5 x 10  
button sockets



## Step 3 - Connect Safety gate cylinder feeds

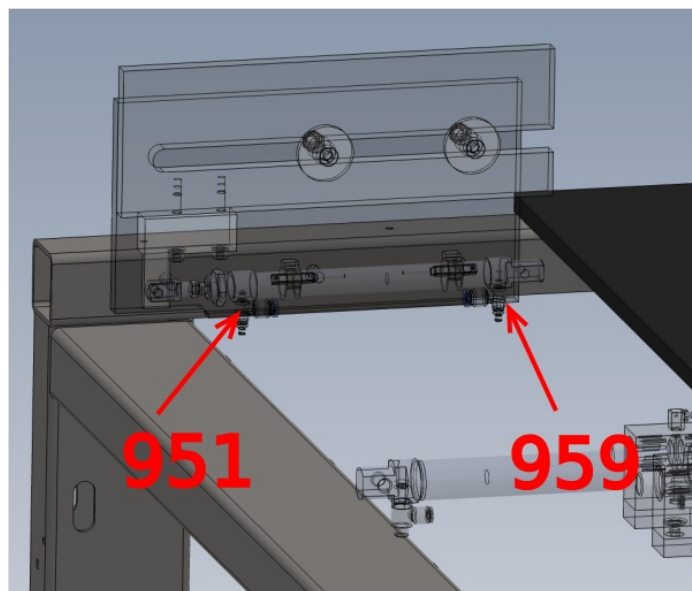
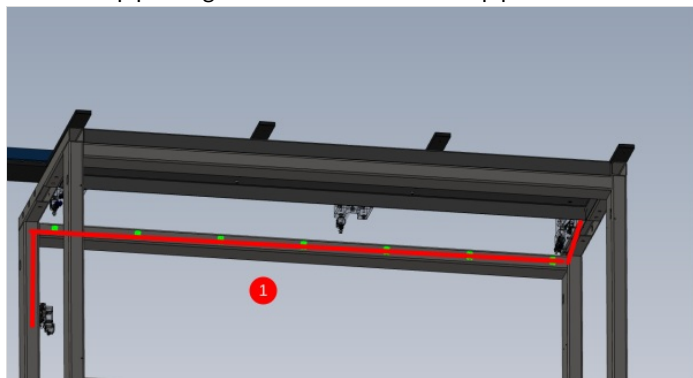
Identification numbers

951  
959

1 Cut 2 6mm black air pipes long enough to run the indicated route

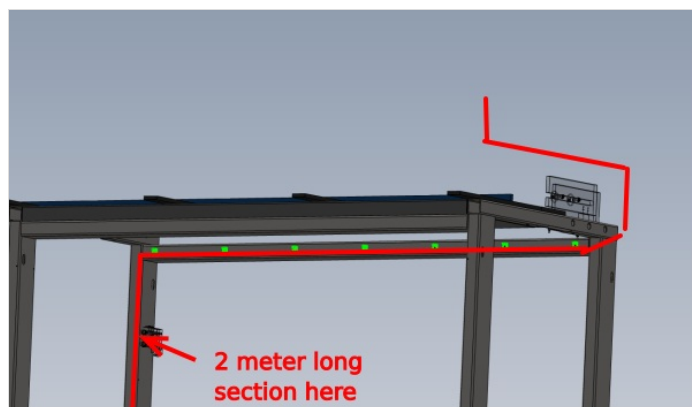
2 Identify each pipe, one 951 and one 959

3 Connect pipes to gate as indicated and leave pipes to loom later



## Step 4 - Cut Siren cable

Cut Length of W00010002 cable to follow the route shown , and mark both ends clearly Y94



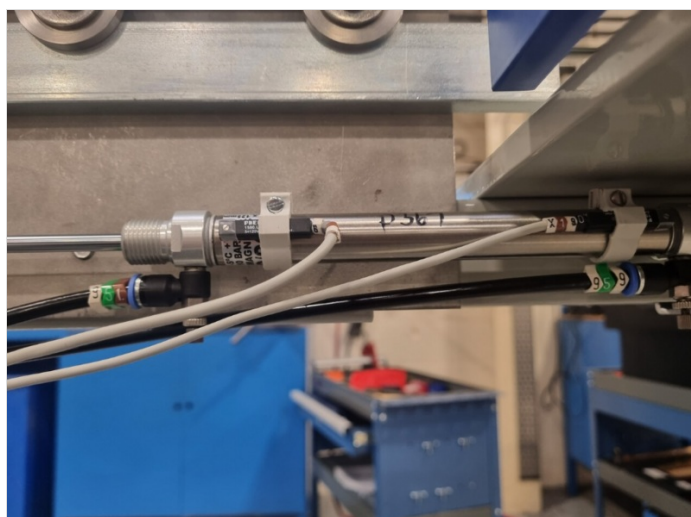
## Step 5 - Create loom

Start to create loom from safety gate

Attach to first tiebase and separate pneumatic cables to top lug and cables to lower

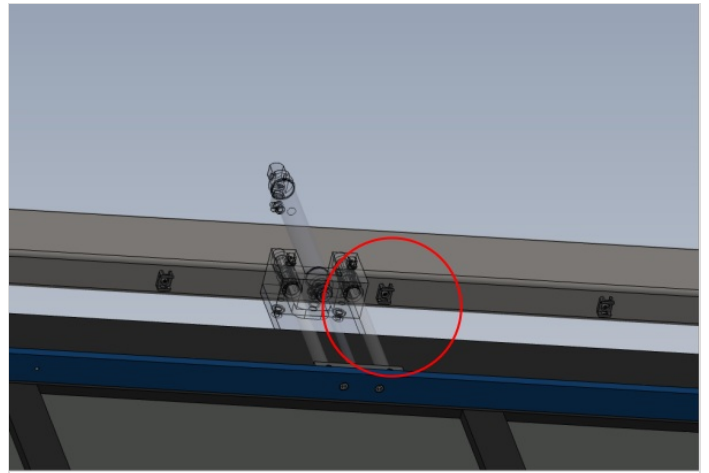
Pipes 951 and 959, Y94 cable, and reed switches X189 and X190 should be loomed in as shown

Y94 should be left with enough length to connect to cut guard beacon when fitted



## Step 6 - continue loom

Continue fixing looms until 1st cylinder push assembly is reached



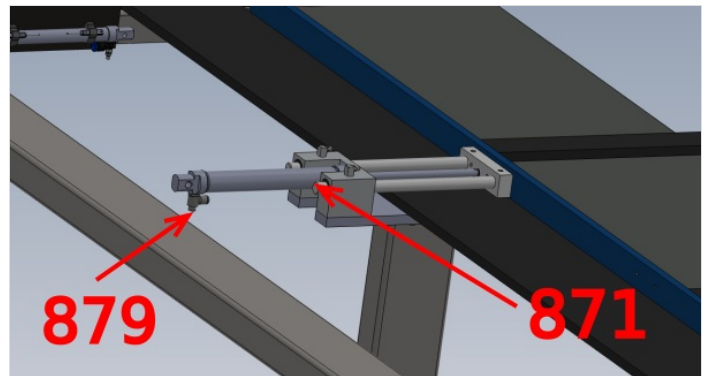
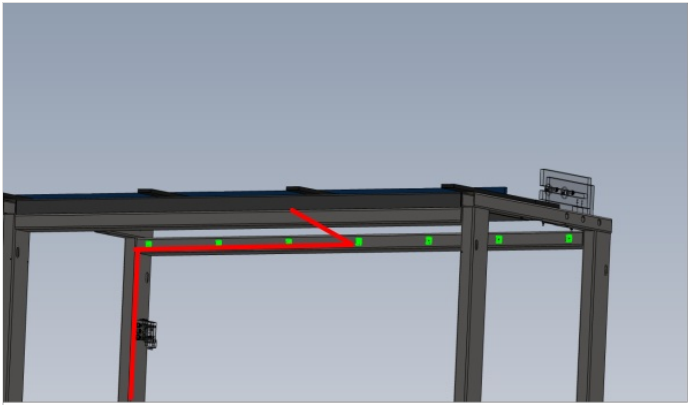
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## Step 7 - connect push eject cylinder feeds

Cut 2 lengths of 6mm black airline at the right length to follow the indicated route

Pipe identifications  
871 and 879

Connect pipes to indicated ports on cylinder

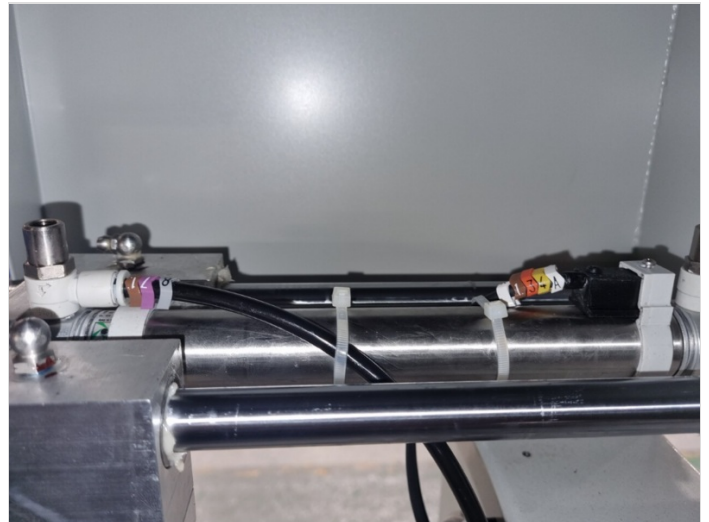
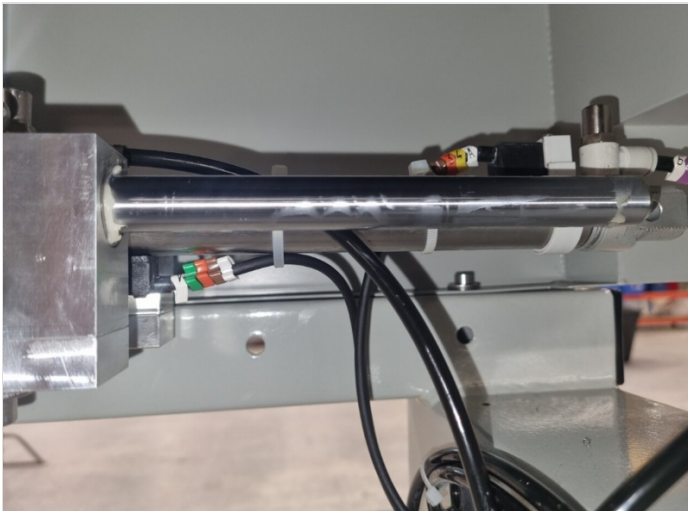
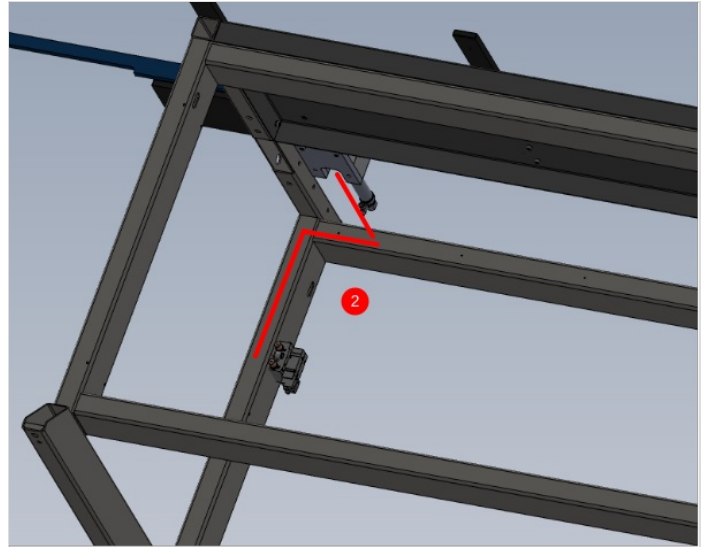
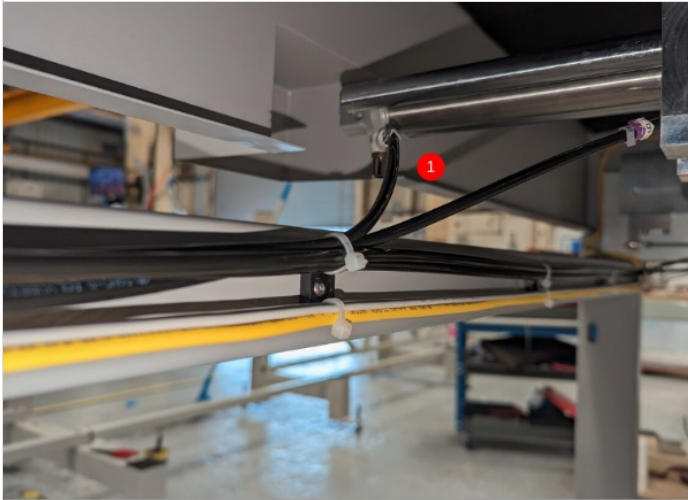


## Step 8 - Continue looms

1 Continue looms bring in the two pipes and continue to the next push cylinder assembly

2 Cut 2 more 6mm black air pipes to run the indicated route and identify and connect as the previous step

3 Add to loom and continue to end of frame, combining reed switches attached to push eject assembly



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## Step 9 - Coil cable loom

Coil cables from loom and hold with tie wrap



## Step 10 - connect cylinder push pipes

Use P0000046 6mm y connection to connect pipes 879 together  
Use P0000046 6mm y connection to connect pipes 871 together

Please take pictures to update this instruction step please

Photo  
Required

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## Step 11 - Loom quality

Ensure all looms are correctly tethered to retention points , and are not twisted or buckled .

Ensure all breaks of pipe work are numbered for identification

