

# R0015027 Install Pneumatic Connection rail and Air Feeds

Assembly and connection details for transfer pneumatic rail

 Difficulty **Medium**

 Duration **3 hour(s)**

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Comments

## Introduction

### Tools Required

Standard hex key set

Pipe cutters

Standard spanner set

### Parts Required

D0015578 Energy Chain Bracket - Moving x 2

P0000551 6mm inline Quick Exhaust Fitting x 6

P0000046 6mm y fitting x 6

R0015289 Bench assemble pipe connection rail

## Step 1 - Unless otherwise stated

Use Loctite 243 on all fasteners

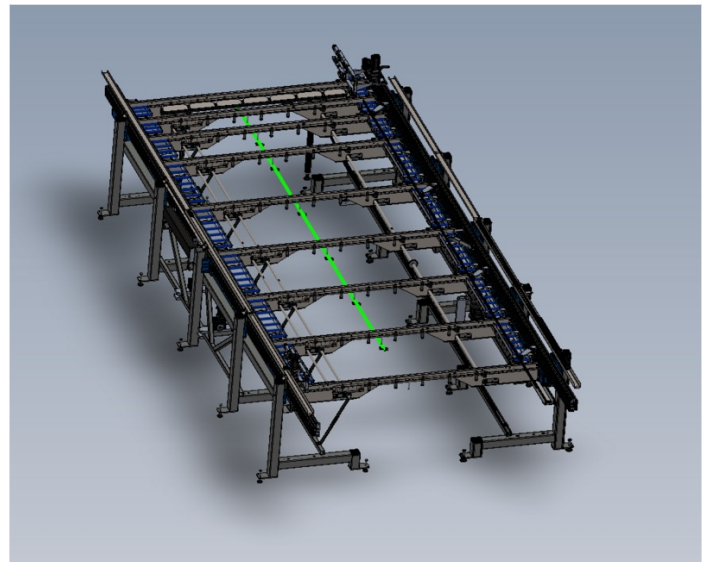
Use Loctite 572 on all threaded pneumatic connection

Pen mark all fasteners to show finalised



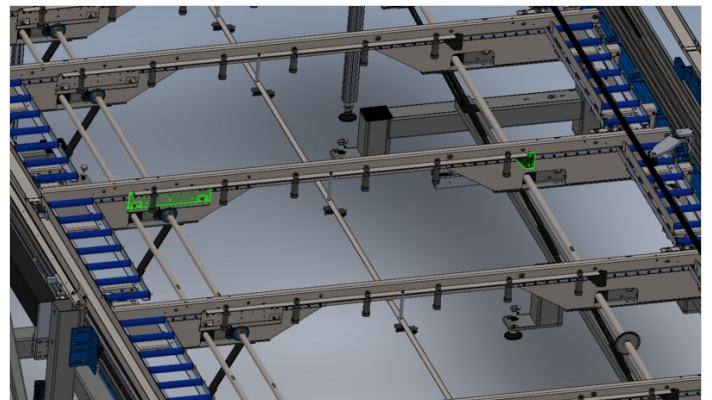
## Step 2 - Fit connection rail

Fit pre assembled connection rail



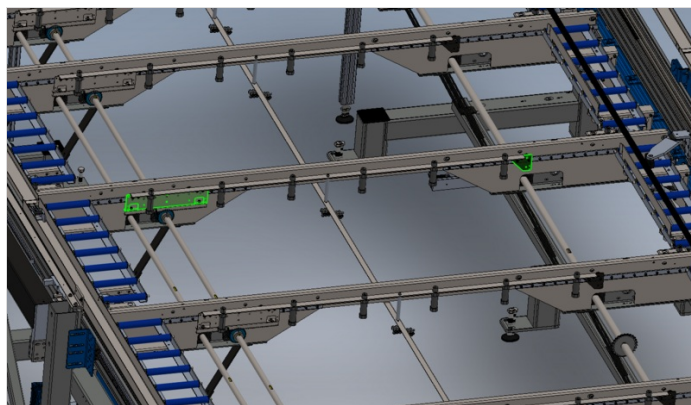
## Step 3 - Add energy chain mounting brackets

Fit energy chain mounting brackets to cylinder rails



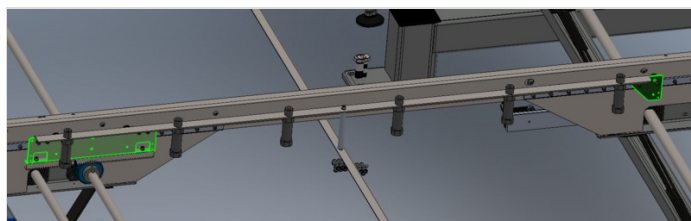
## Step 4 - Connect energy chains from modules

Connect fitted energy chains from modules C and E to brackets



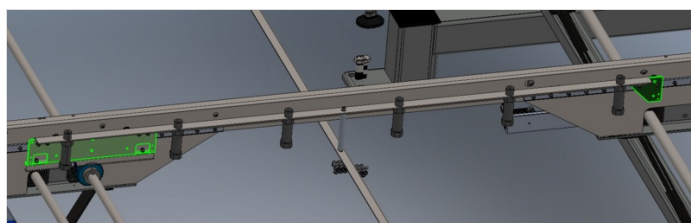
## Step 5 - Add Y connections

Break into feed lines on cylinder rails with 6mm y fittings



## Step 6 - Connect Feed pipes

Connect feed pipes from energy chain to supply Y fittings

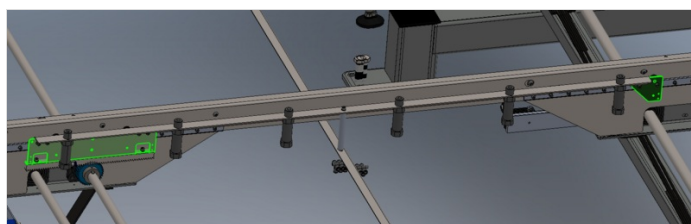


## Step 7 - Add P0000551 Quick exhaust valves

Add 3 off per side P0000551 qev valves to feed pipes

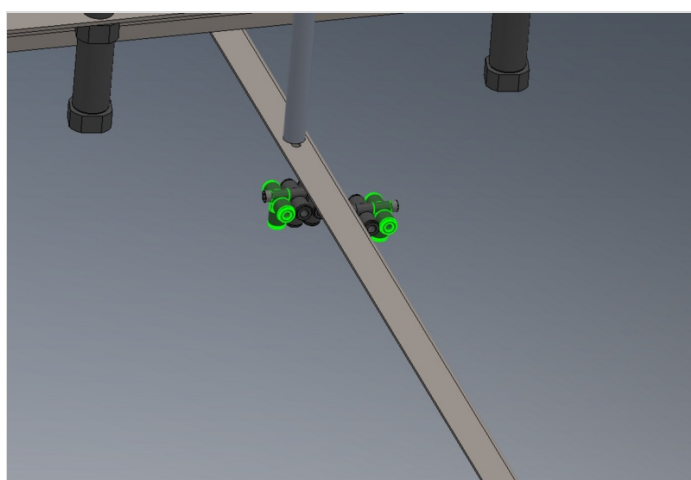
ensure mounted in correct orientation

Straight arrow should point towards cylinders on cylinder rails



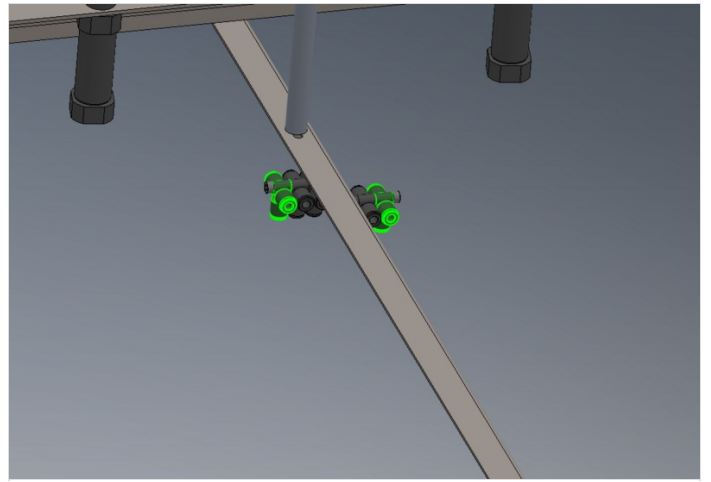
## Step 8 - Connect cylinder rail 1 pipe loom

Connect cylinder rail 1 pipe loom to connection rail



## Step 9 - Connect cylinder rail 2 pipe loom

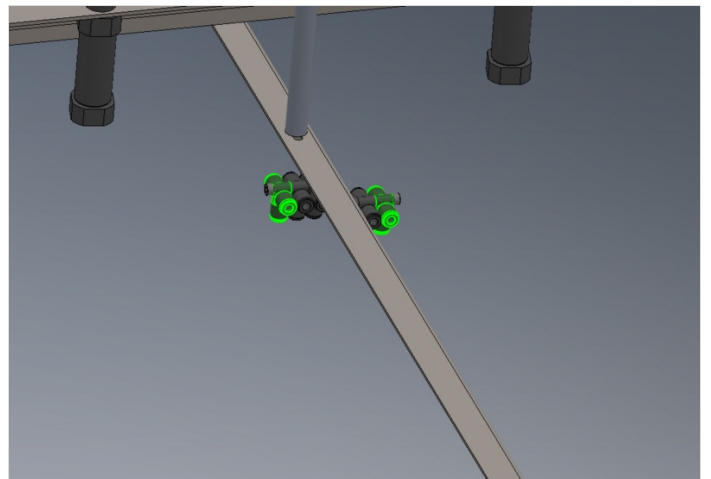
Connect cylinder rail 2 pipe loom to connection rail



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## Step 10 - Connect cylinder rail 3 pipe loom

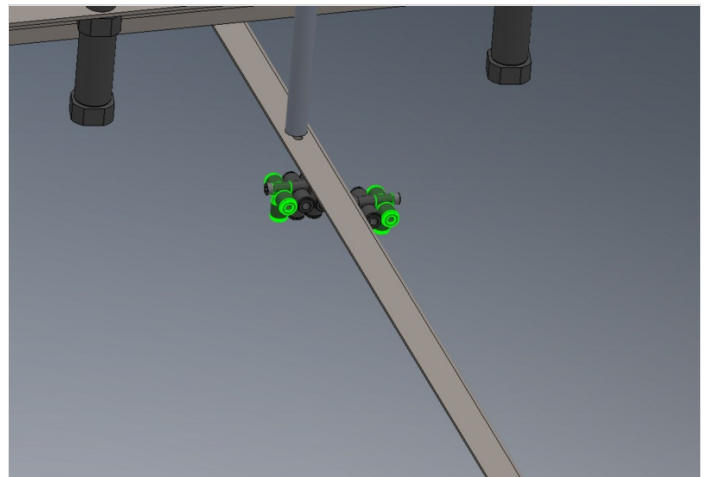
Connect cylinder rail 3 pipe loom to connection rail



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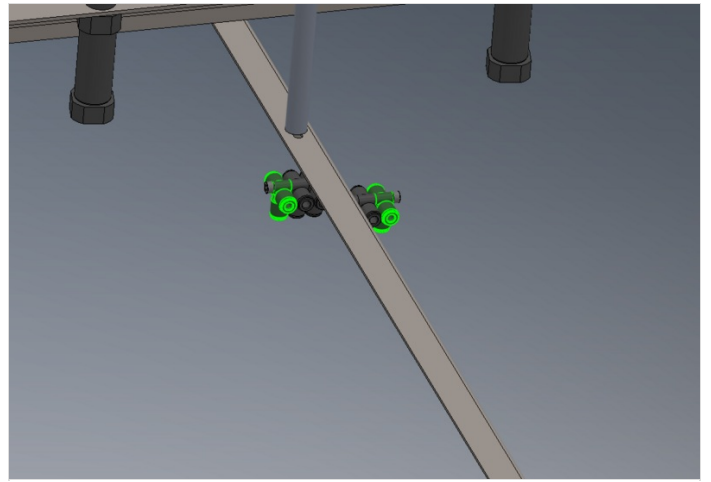
## Step 11 - Connect cylinder rail 4 pipe loom

Connect cylinder rail 4 pipe loom to connection rail



## Step 12 - Connect cylinder rail 5 pipe loom

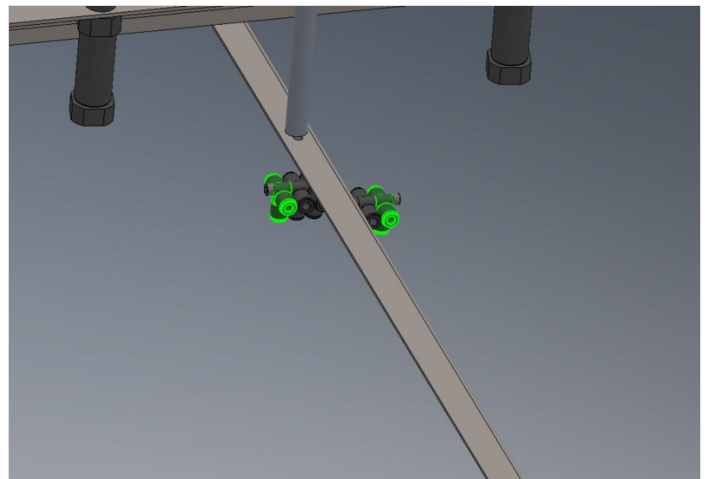
Connect cylinder rail 5 pipe loom to connection rail



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## Step 13 - Connect cylinder rail 6 pipe loom

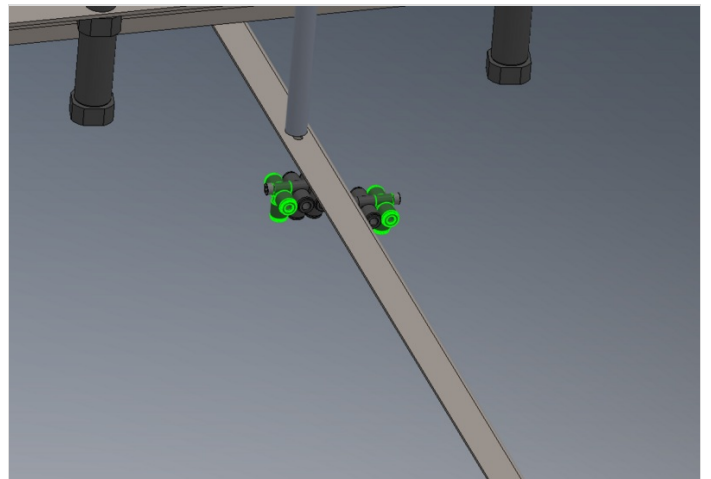
Connect cylinder rail 6 pipe loom to connection rail



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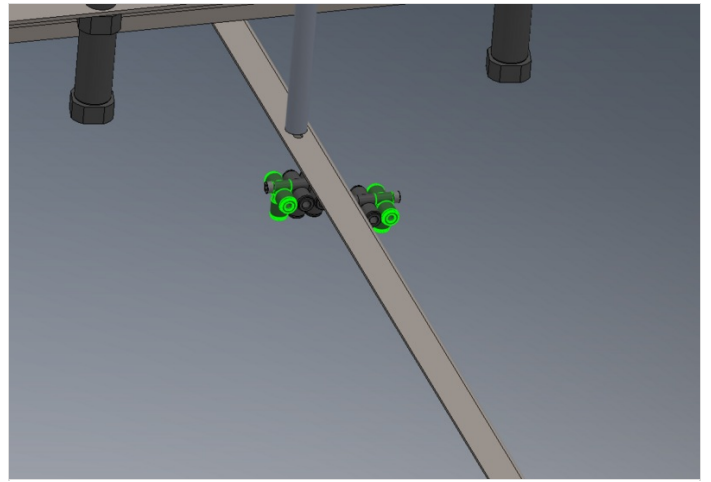
## Step 14 - Connect cylinder rail 7 pipe loom

Connect cylinder rail 7 pipe loom to connection rail



## Step 15 - Connect cylinder rail 8 pipe loom

Connect cylinder rail 8 pipe loom to connection rail



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## Step 16 - Connection test

Once all pneumatic connections have been made, an air test is required to identify any connection leaks

2349 Disconnect from module C multi head outfeed valve bank and connect to air supply. Check no audible leaks are present and all cylinders identified as 2349 fire and pistons extend. Check that pistons retract when air is removed

2339 Disconnect from module C multi head outfeed valve bank and connect to air supply. Check no audible leaks are present and all cylinders identified as 2339 fire and pistons extend. Check that pistons retract when air is removed

2329 Disconnect from module C multi head outfeed valve bank and connect to air supply. Check no audible leaks are present and all cylinders identified as 2339 fire and pistons extend. Check that pistons retract when air is removed

2319 Disconnect from module E Saw infeed valve bank and connect to air supply. Check no audible leaks are present and all cylinders identified as 2319 fire and pistons extend. Check that pistons retract when air is removed

2309 Disconnect from module E Saw infeed valve bank and connect to air supply. Check no audible leaks are present and all cylinders identified as 2309 fire and pistons extend. Check that pistons retract when air is removed

2299 Disconnect from module E Saw infeed valve bank and connect to air supply. Check no audible leaks are present and all cylinders identified as 2299 fire and pistons extend. Check that pistons retract when air is removed

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