

R0015356 Assemble Pneumatics on to electrical cabinet

Instructions to mount pneumatic components

 Difficulty **Medium**

 Duration **3 hour(s)**

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Comments

Introduction

Tools Required

Standard hex keys
Standard spanner set
Standard drill set
Standard tapping set
Tape measure
Rule

Parts Required

P0000458 x 1
P0001069 x 1
P0001022 x 1
D0001933 x 1
P0001008 x 1
P0000010 x 3
P0001009 x 1
P0001102 x1
P0000009 x 1
P0001163 x 4
P0001073 x 1
P0000159 x 3
P0001101 x 1
P0001108 12mm tee x 1
P0001186 x 3

Step 1 - Unless otherwise stated

Use Loctite 243 on all fasteners

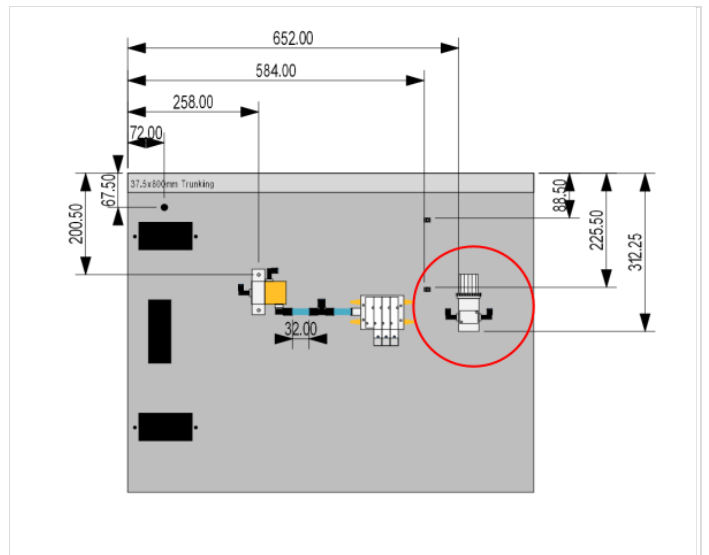
Use Loctite 572 on all threaded pneumatic connections

Pen mark all bolts to show finalised



Step 2 - Drill position for regulator bracket

Use dimensions to fix regulator bracket P0001022 to cabinet. Drill 2 off M5 tapped holes to suit regulator. Use m5 x 12 socket caps and heavy M5 washers



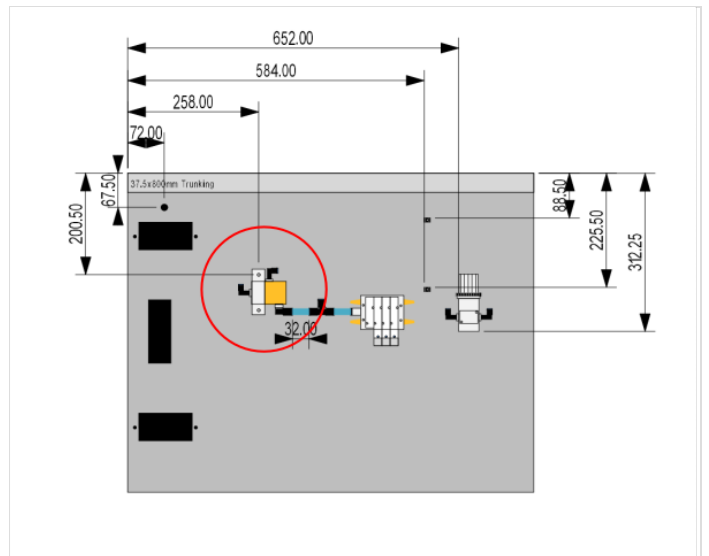
Step 3 - Drill position of Valve

Mount valve bracket D0001933 to dimensions shown .

Measurements are taken from edges of cabinet to first top

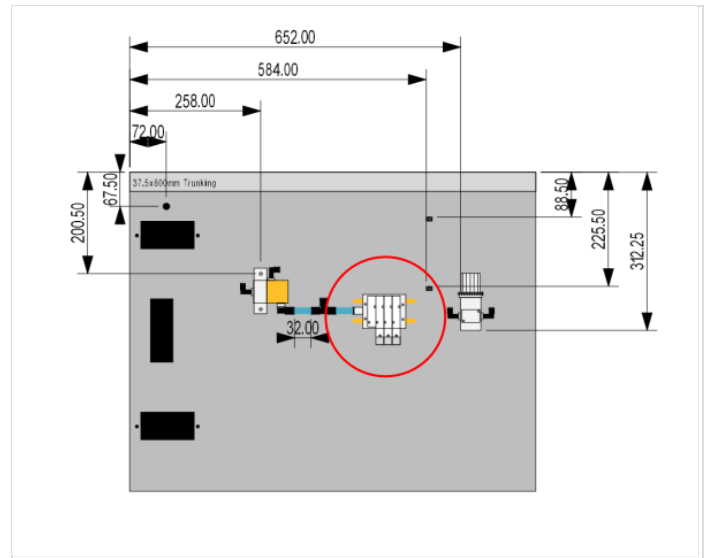
mounting hole of bracket . Use valve bracket to mark second hole

after first hole is drilled . Drill and tap M5



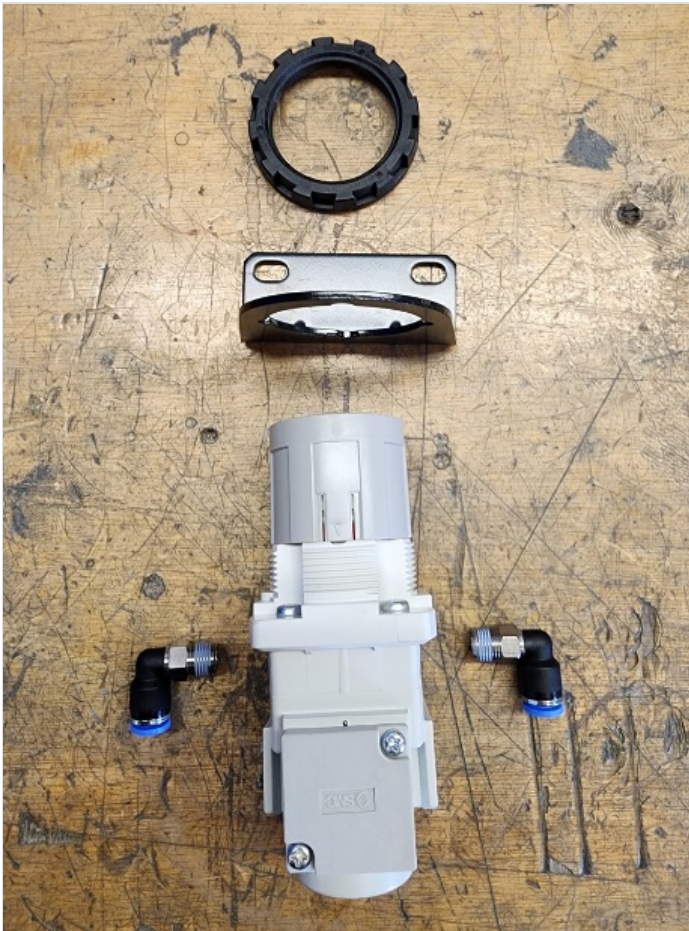
Step 4 - Drill position of valve base

Drill valve bank base P00001069 to dimensions shown. Measurements are taken from edge of cabinet to mounting hole indicated. Once first hole is drilled, use valve base as template to add 3 off remaining fixing points. Drill and tap M4



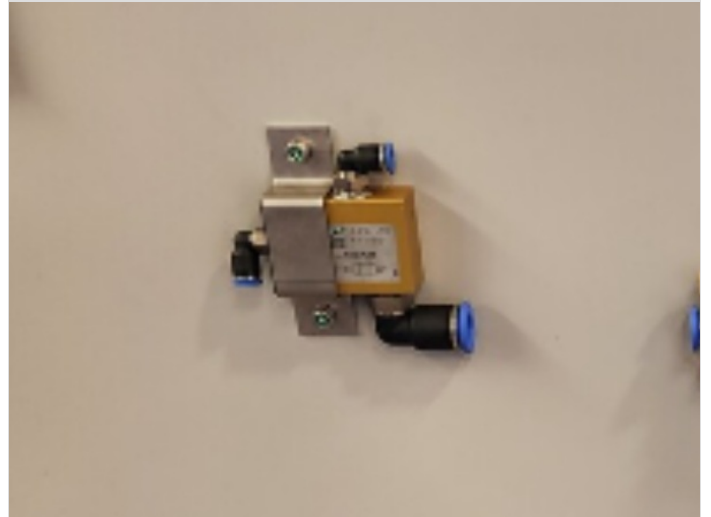
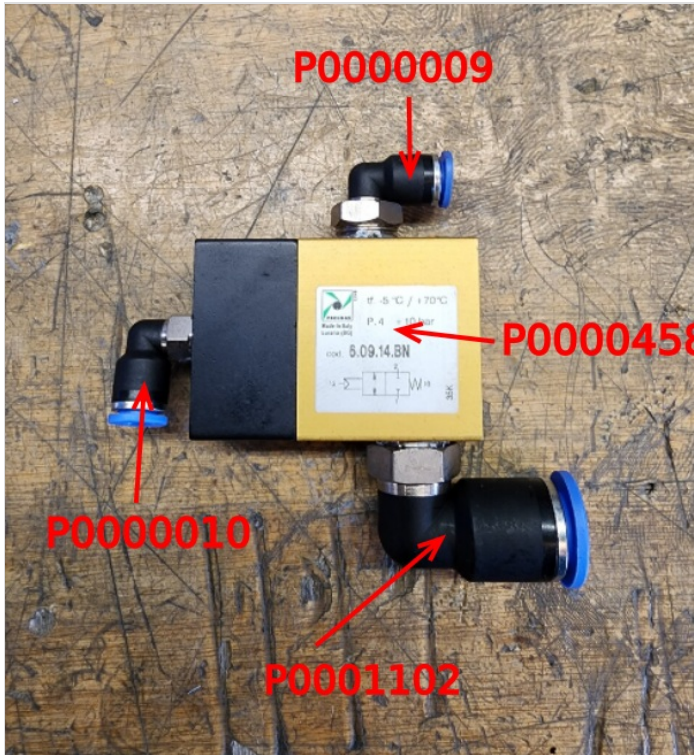
Step 5 - Assemble and mount regulator

Assemble regulator P0001008 as shown. Use P0001009 panel nut and 2 off P0000010 fitting and mount to bracket on cabinet



Step 6 - Assemble and mount Valve

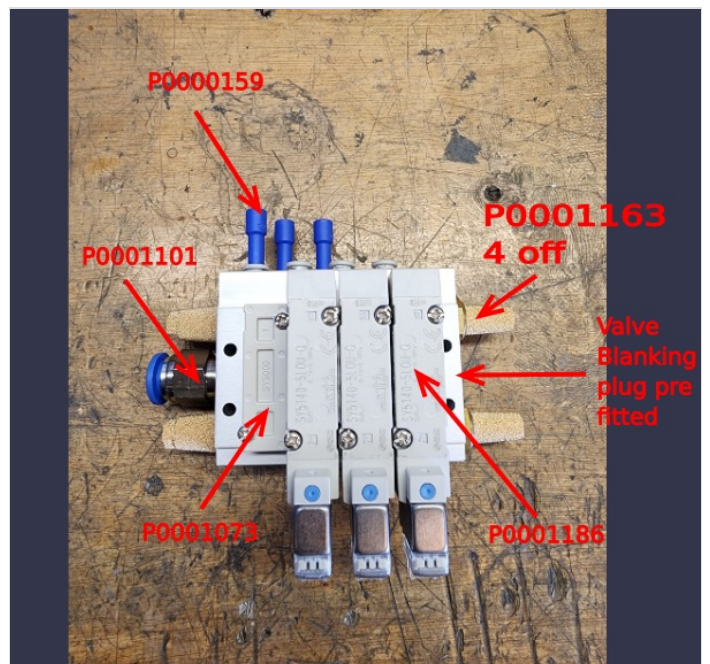
Assemble P0000458 valve with fittings shown. Mount to bracket on cabinet using M5 x 12 socket caps and M5 heavy washers



Step 7 - Assemble valve base and fit

Assemble valve base P0001069 with fittings shown

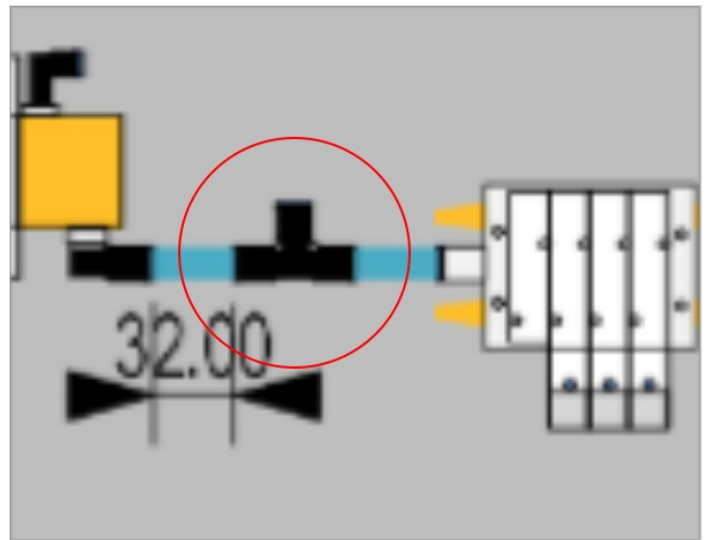
Mount to cabinet using 4 off M4 x 40 socket caps and M4 A form washers



Step 8 - Fit 12mm Tee connector

Fit P0001108 Tee connector to join valve and valve bank .

Use 12mm blue air pipe as shown



Step 9 - Mount trunking

Cut 40 x 60 Trunking (p n/o required) to length to suit cabinet width with no overhang . Position height to be flush with the top of the cabinet

Please take photo for this step

Drill and fix with m5 x 10 button heads and large A form washers .

! ...Check where m5 tapped holes are added . Inside the cabinet there are mount bosses to accept electrical panel. Ensure areas to drill are selected that don't interfere with these points

