



R0015329 Fit Head Spindle Posts Part 2

Assembly details for fitment of main saw head and spindle posts

 Difficulty **Hard**

 Duration **1 minute(s)**

Contents

Introduction

Step 1 - Unless otherwise stated

Step 2 - Fit damper bracket

Step 3 - Fit pre assembled Guard

Step 4 - Remove guard and blade

Step 5 - Mount cylinder to head

Step 6 - Attach damper

Step 7 - Prepare posts

Step 8 - Fit posts to base

Comments

Introduction

Tools Required

Standard hex key set

Standard flat hand file

Emery tape 120

standard hand tap set

Stubby hex key set

Ratchet/hex bit set

Blade flange spanner

Parts Required

D0004002 Webb x 1

D0004003 Top Shaft Block x 2

D0004004 Brace Support Bar (D7451) x 1

D0004157 Motor plate spacer x 3

D0004342 Damper Bracket (5312) x 1

D0007451 Brace Support Bar OH (D4004) x 1

D0015490 Saw Turntable Sensor Flag x 1

D0015491 Saw Turntable Flag Bracket x 1

H0004024 Infeed Clamp Post x 1

H0004025 Outfeed Clamp Post (5302) x 1

H0004510 Shaft 30mm: 540 Saw Stroke x 2

P0000055 Adjustable Damper 200mm (Saw Stroke) x 1

R0000560 Bench Assemble Spindle x 1

R0000569E Bench Assemble Head Spindle Posts Mk5 x 1

V0000043B Saw Blade: Ø500 x 160 teeth x 3.2mm pl x 4mm kf x 30mm bore x 1

Step 1 - Unless otherwise stated

All bolts to have Loctite 243 adhesive applied unless otherwise stated

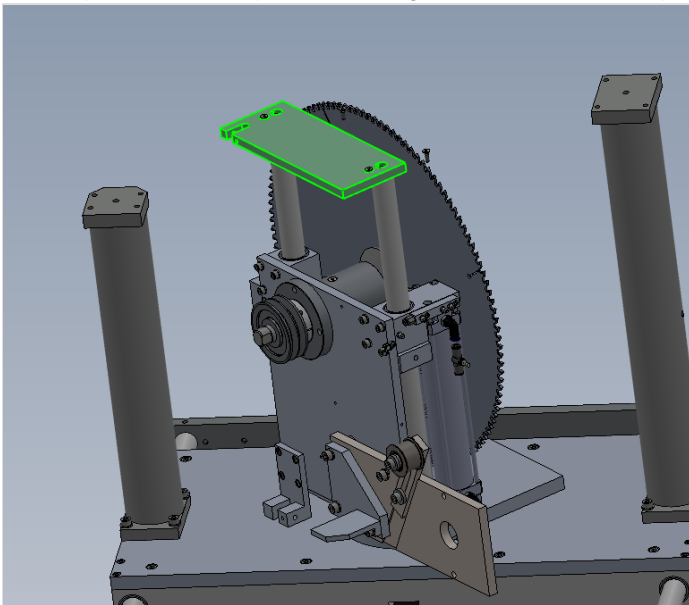
All Threaded Pneumatic connections to have Loctite 570 applied

All bolts to be pen marked once adhesive applied and correct tension added



Step 2 - Fit damper bracket

Fit Damper bracket to top of shafts using 2 off M8 x 20 socket caps. Do not apply adhesive and only add light tension to these bolts



Step 3 - Fit pre assembled Guard

1 Support upstroke plate in extended position

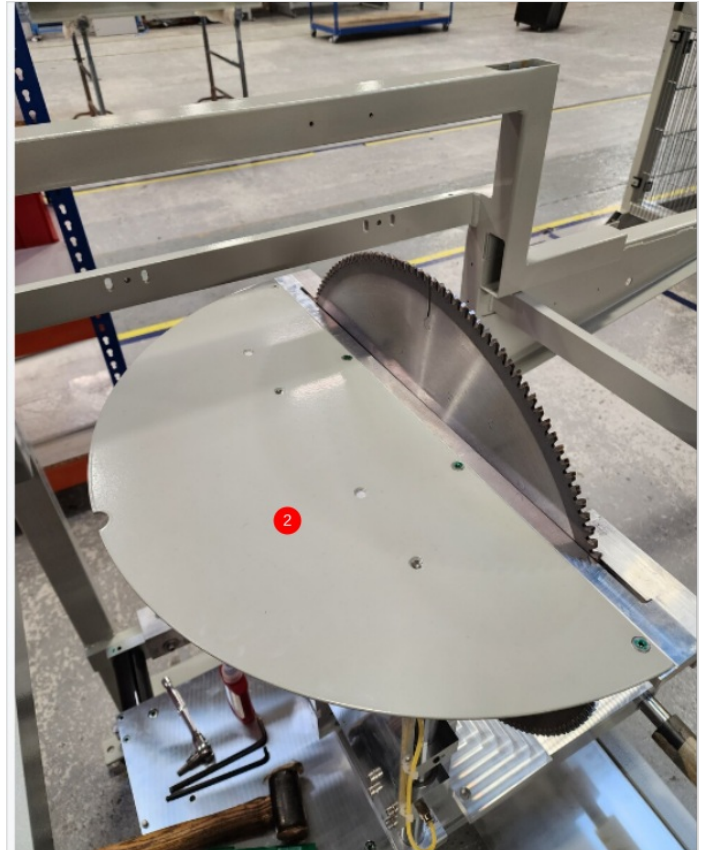
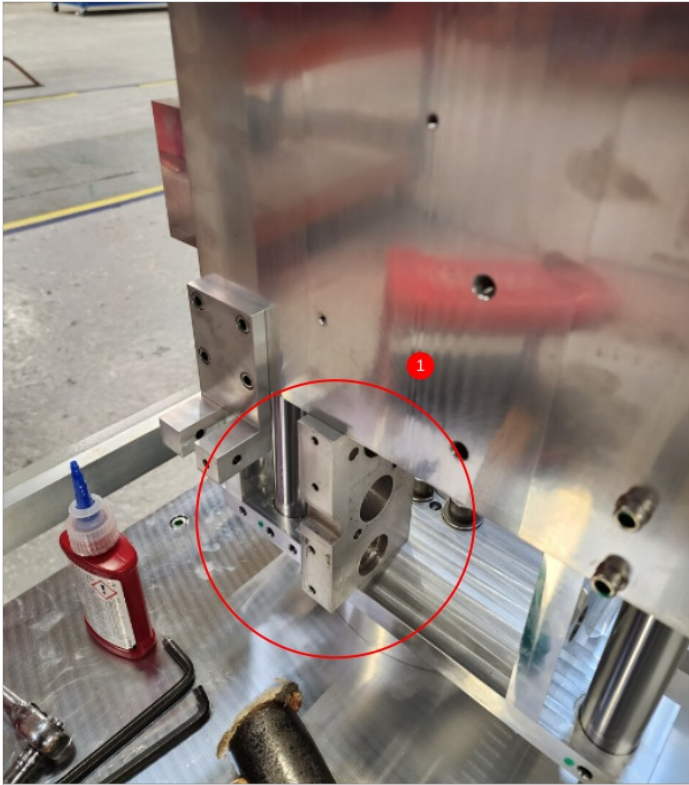
2 Fit guard using 2 off M5 16 countersunk hex bolts

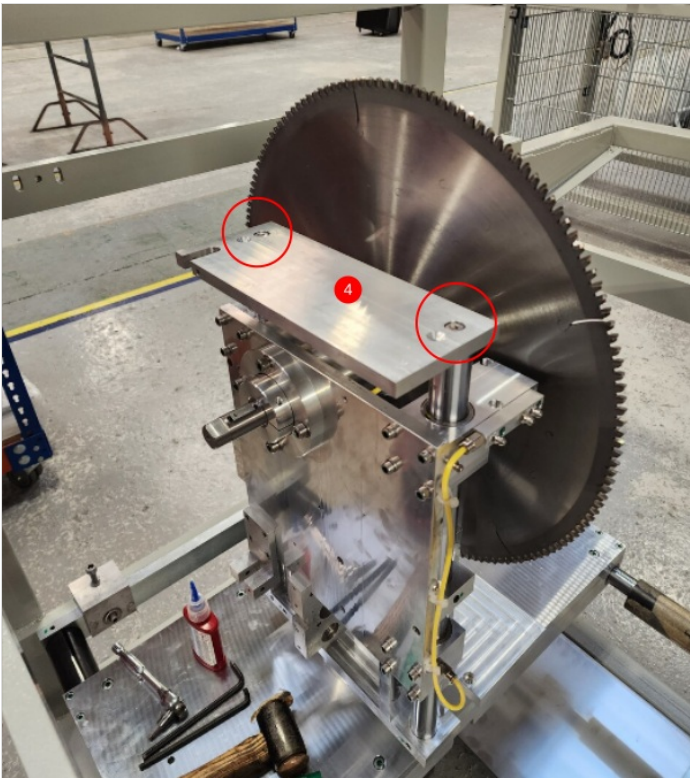
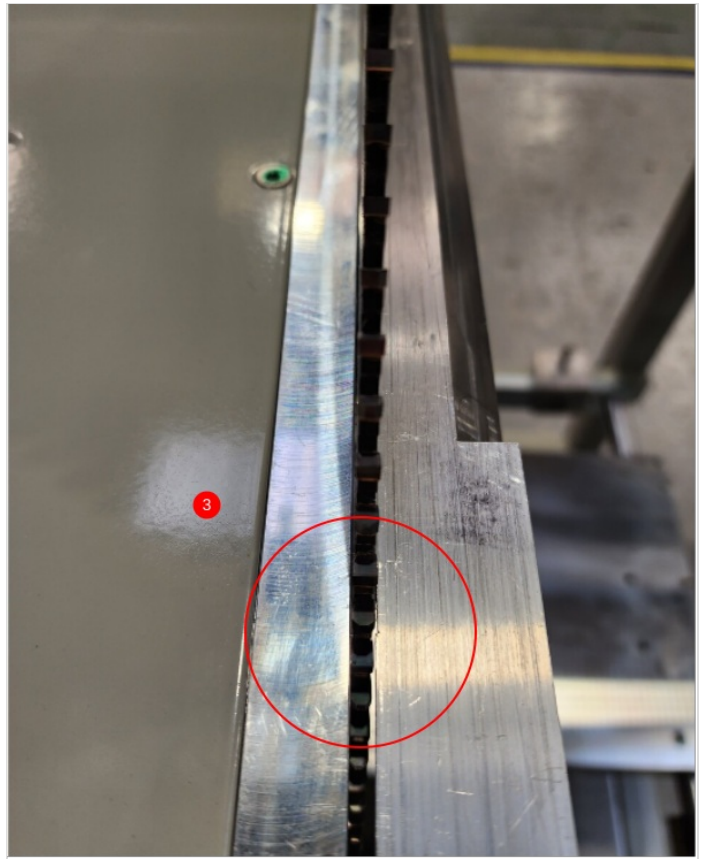
3 Adjust damper bracket position to centralise guard on saw blade

i ...If enough movement is not possible, it will be required to machine adjustment slots to gain extra movement. See supervisor

4 Remove guard , individual remove and add adhesive to fasters and apply final tension

5 Refit guard and check correct position of guard in relationship to saw blade

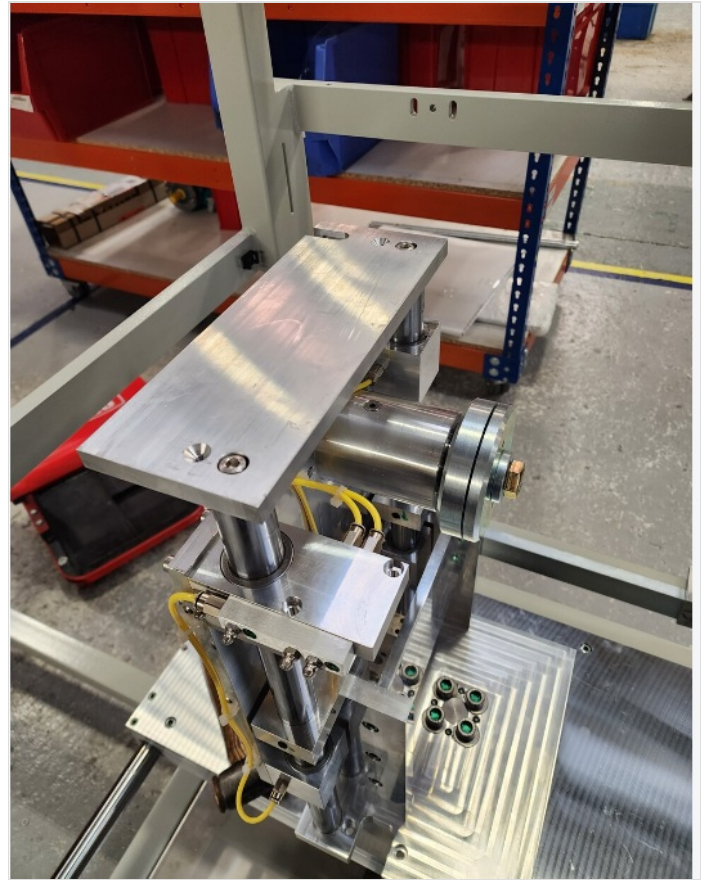
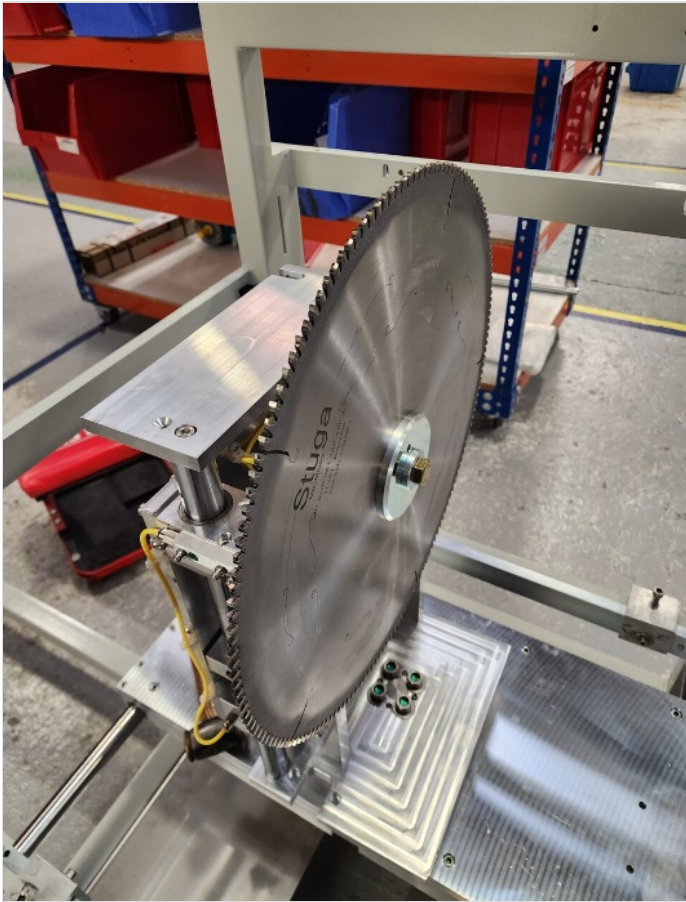




Step 4 - Remove guard and blade

Remove guard and blade and store for later fitting

Removing support jig lifting upstroke plate



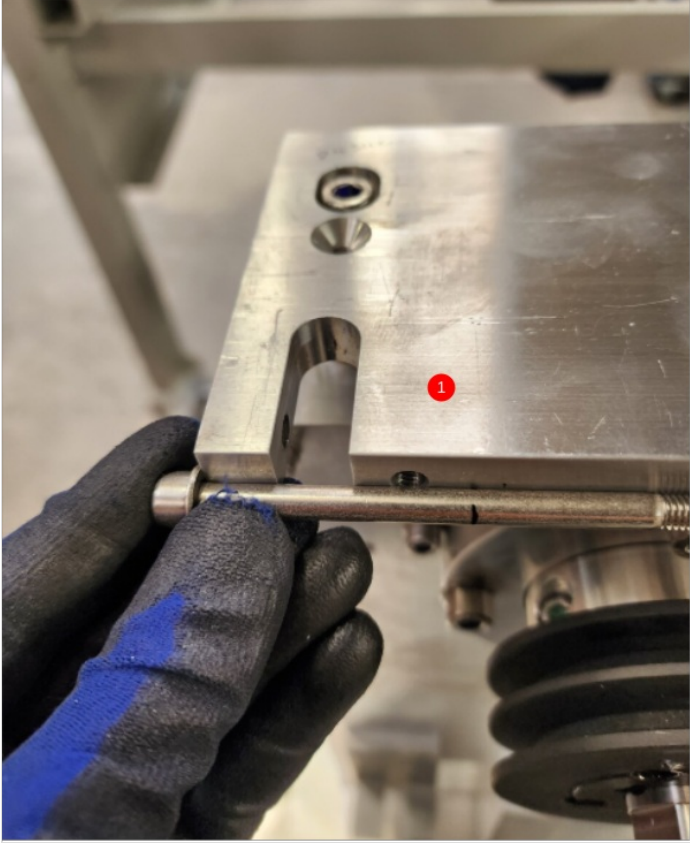
Step 5 - Mount cylinder to head

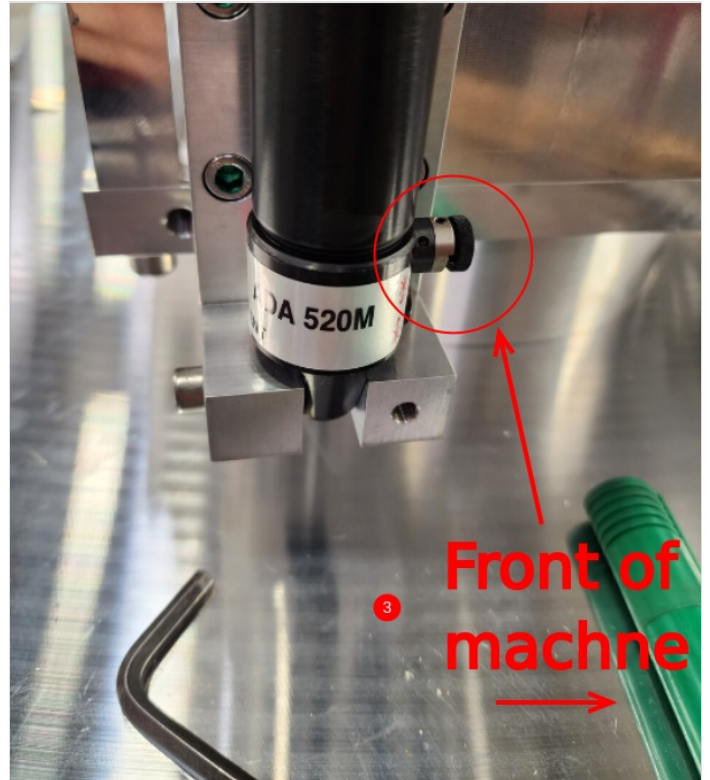
- 1 Lightly Fix base of cylinder using 2 off M6 x 16 socket caps
- 2 Lightly fix bracket on cylinder using 2 off M8 x 30 socket caps
- 3 Ensure assembly is in contracted position (Plate dropped under own weight)
- 4 Finalise tension on fasteners securing cylinder position
- 5 Move assembly up and down by hand to check correct operation. Movement should be smooth and consistent



Step 6 - Attach damper

- 1 Use 2 off M6 x 100 socket caps to modify for damper pins. Mark and cut bolt +10mm from grubscrew hole as shown for top and bottom mounting points
- 2 Calculate FLAT position , and add flat to shank
- 3 Position lower Damper mount point and add lower pin ,ensuring to align flat on pin with grubscrew and secure with M6 x 10 kcp grubscrew
- 4 Position upper damper mount point and add pin, ensuring flat on pin aligns with grubscrew and fix with M6 x 10 kcp grubscrew





Step 7 - Prepare posts

1 Tap all holes to remove debris from coating process

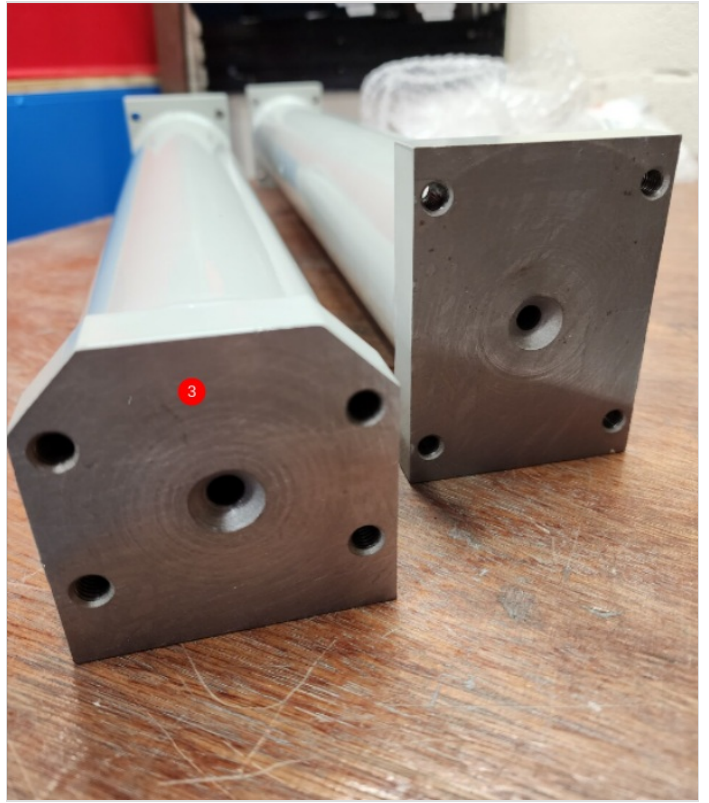
2 Dress faces with file and emery tape as shown

⚠ ...Posts are a precision made part and great care must be taken when dressing faces to remove debris. Always dress from multiple angles to reduce the risk of losing flatness on the faces

3 Clean faces and tapped holes with compressed air and Fe10 solvent







Step 8 - Fit posts to base

Do not add adhesive to bolts , But add final tension

1 Post positions are as shown

2 Fix posts on pre fitted 2 off socket caps. Then add 2 off M8 x 40 socket caps and A form washers per post . Ensure posts are aligned flush on faces indicated

⚠ ...Ensure no debris is beneath the pillars when fitting to base. Any debris will dramatically effect setup later on

