


R0015085 Mount SR Datum Sensor and Flag

Mounting details for SR axis flag and sensor

 Difficulty **Medium**

 Duration **0.25 hour(s)**

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Step 1 - Unless otherwise stated

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Comments

Introduction

Tools Required

Standard Hex key set

Standard spanner set

Parts required

D0015489 Saw Turntable Sensor Bar x 1

E0000336 Sensor: M8; 2mm, PNP N/O, M8 conn x 1

M0001165 U bolt 3nb M12 BZP 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

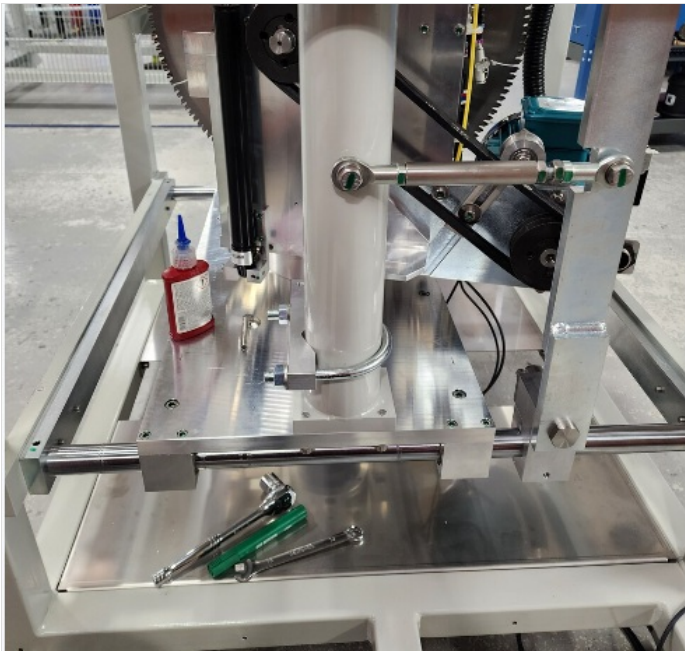


Step 2 - Attach sensor bracket

Attach u bolt and sensor bracket on infeed mounting pillar

Fix with M12 nuts and M12 A form washers

Ensure bracket is mounted square to pillar base, only apply light tension to M12 nuts





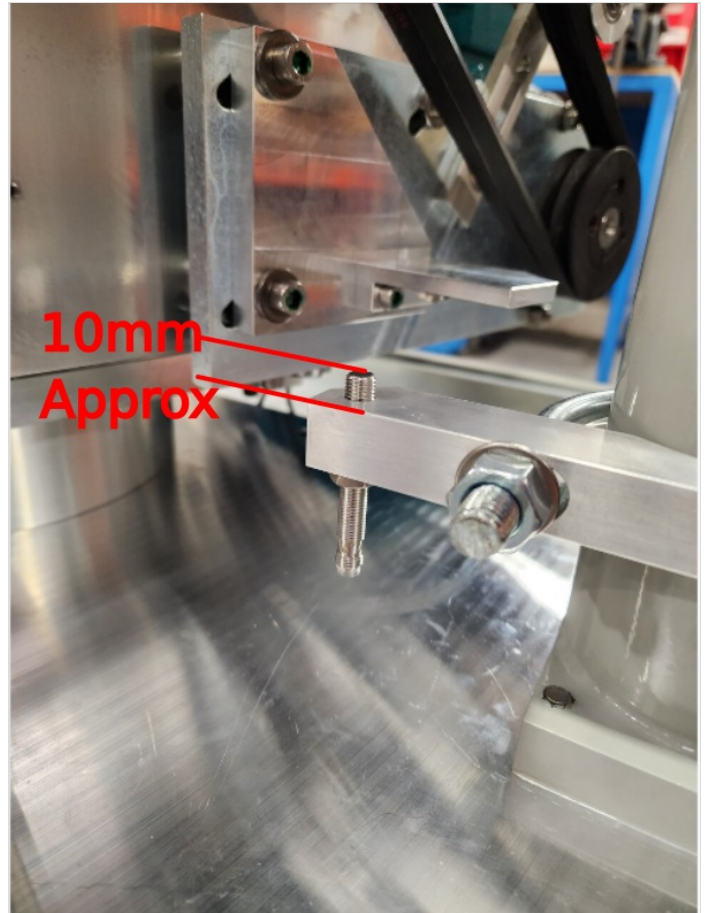
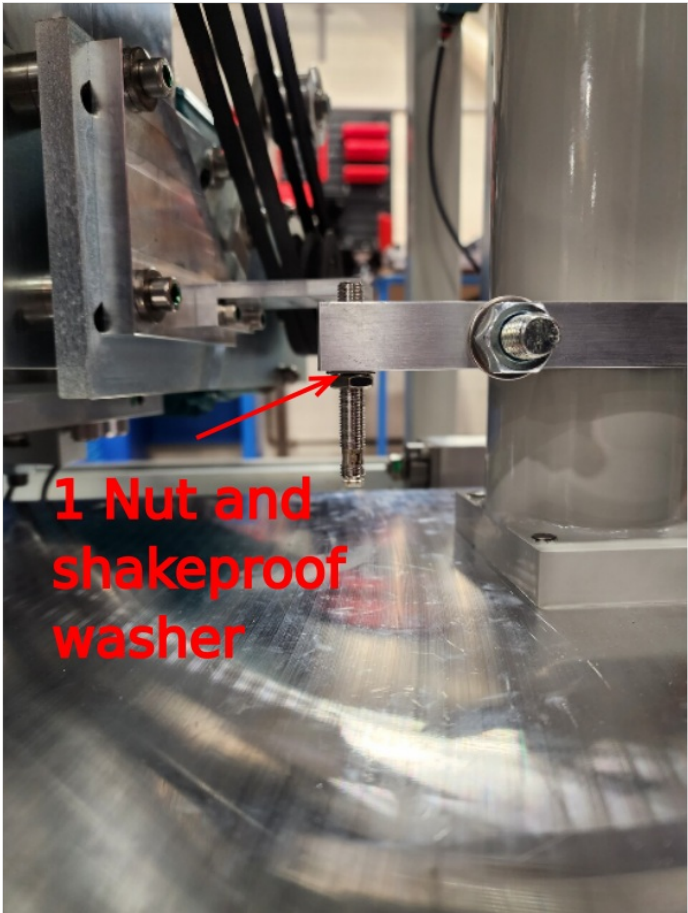
Step 3 - Fit sensor

Only fit one sensor lock nut and shakeproof washer to assembly as shown

Fit E0000336 sensor to assembly

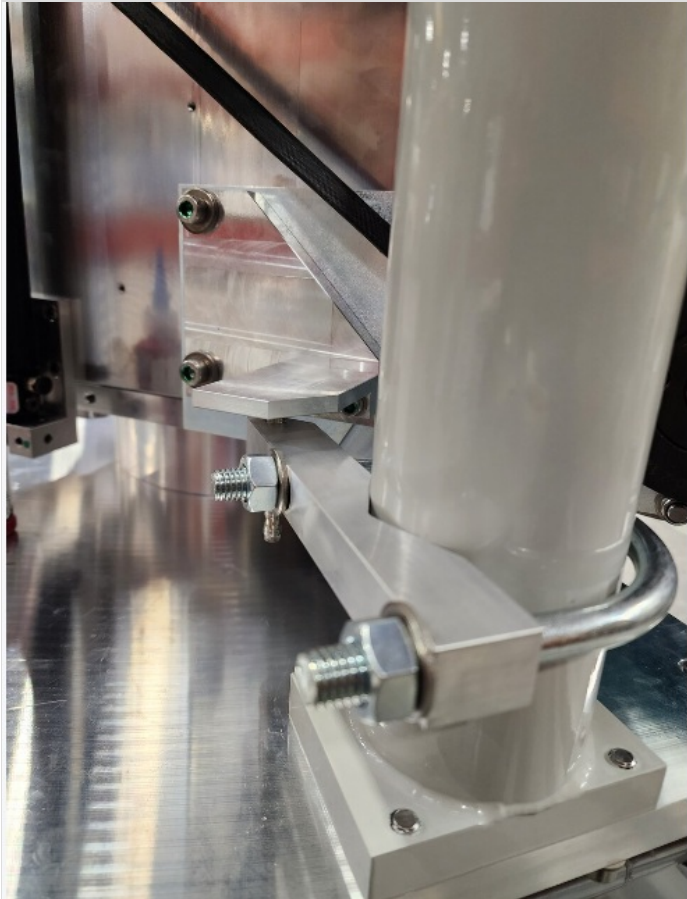
Leave 10mm protrusion from top of bracket as shown

Ensure shakeproof washer is fitted under sensor nut



Step 4 - Set height

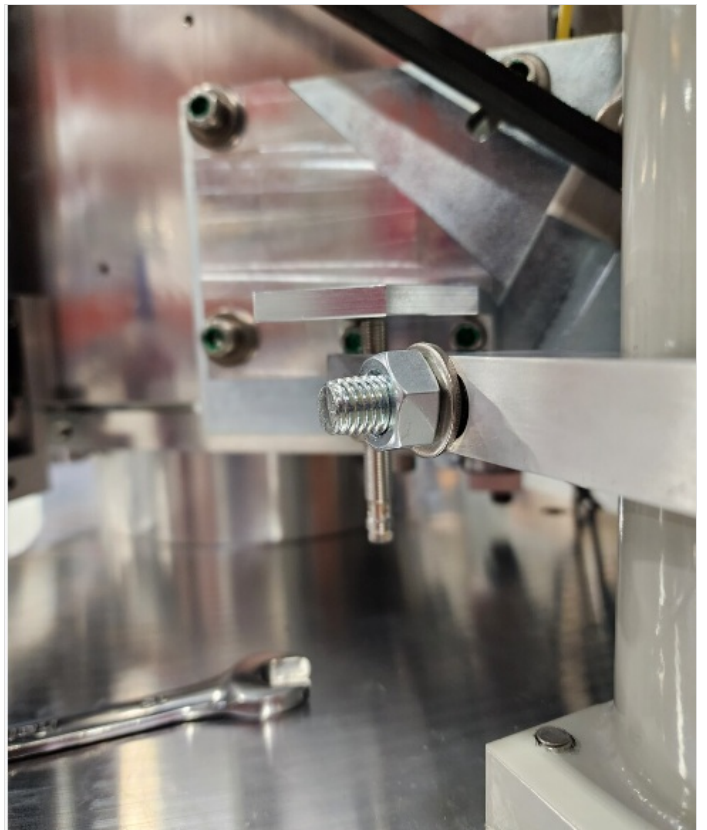
Set Height of U bolt bracket assembly in relation to flag on saw motor plate, to set sensor withing $\pm 2\text{mm}$ of flag

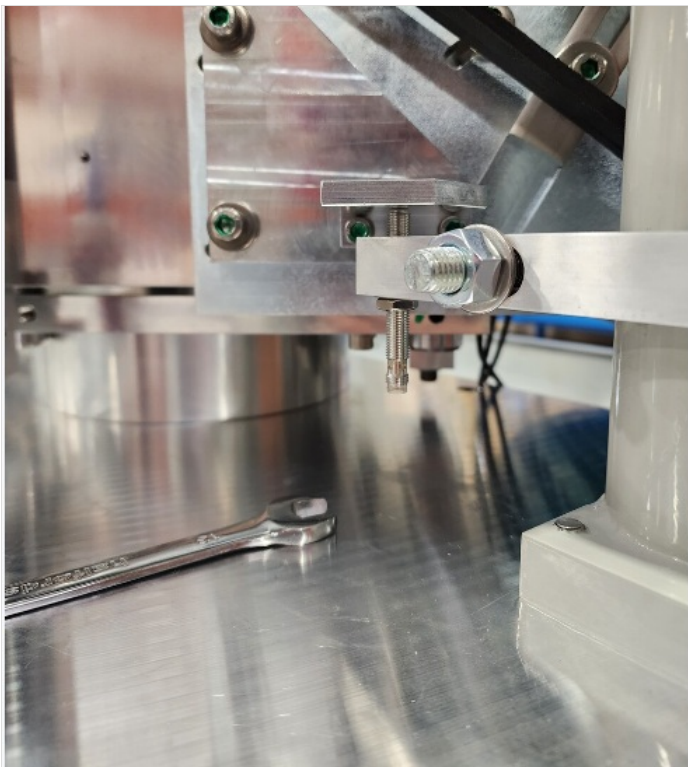
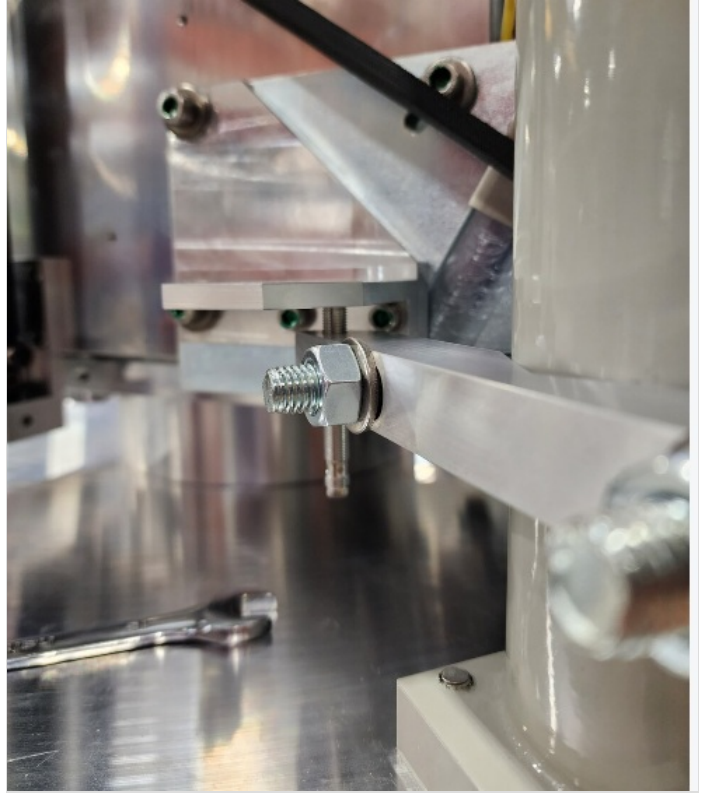


Step 5 - Set sensor height

Set sensor height to minimal clearance (-1mm)

Check gap is consistent on full travel over sensor flag when head is rotated

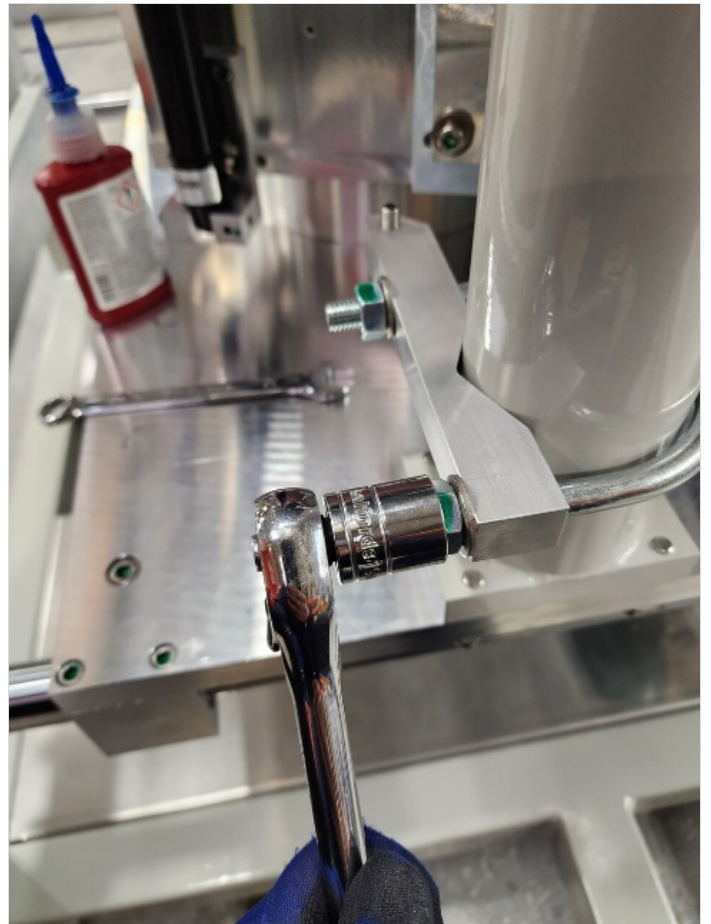




Step 6 - Finalise

Finalise M12 nuts and ensure U bolt assembly is mounted true as to not impact on side sheet guarding panel when fitted later

Check sensor position has not moved



Step 7 - Check sensor

once finalised, double check correct operation of sensor.

Sensor should be within -1mm at all points of travel onto SR axis datum flag. Sensor should NEVER be in contact with flag at any point of movement

