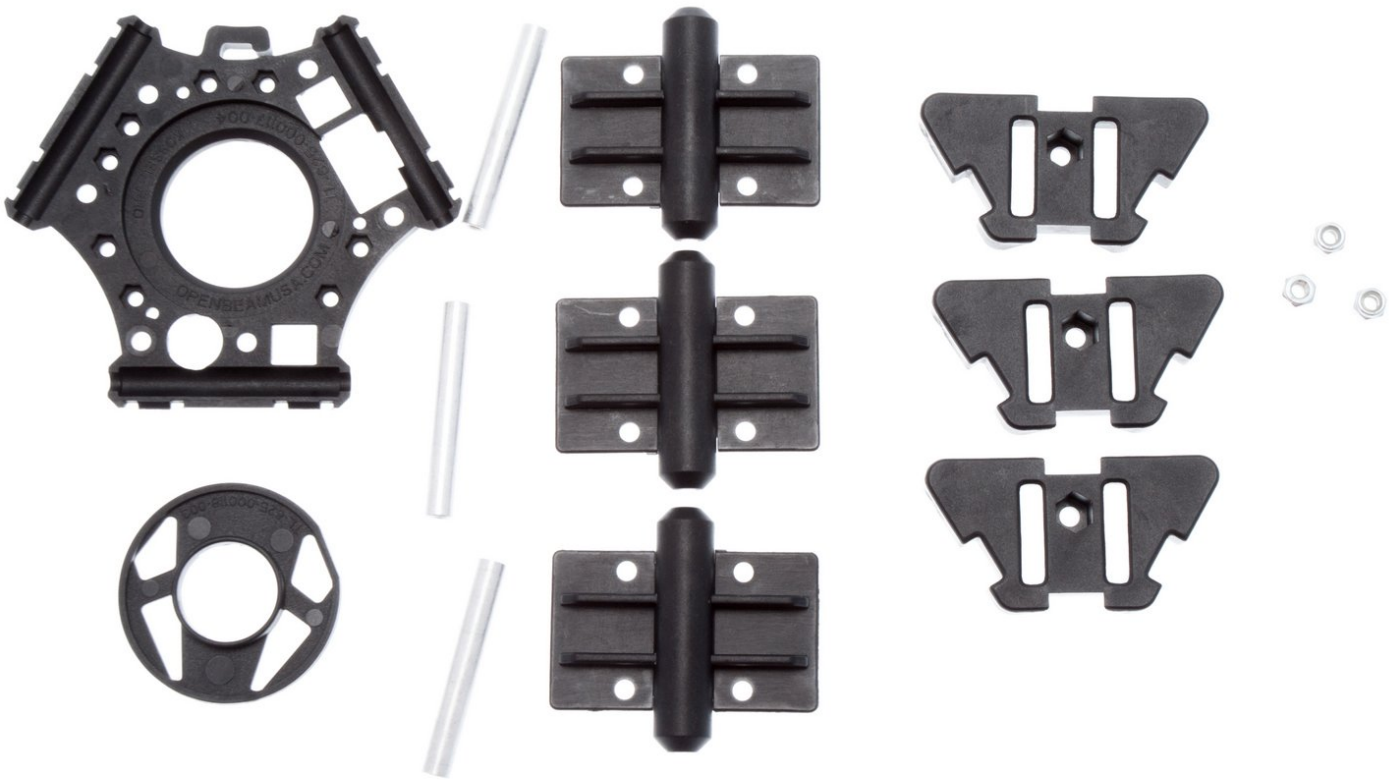
ZT Automations, LLC

1) Pre Assembly Setup

Preparation of parts requiring time to set/cure.

Written By: Terence Tam



INTRODUCTION

We'll start by prepping parts that require loctite/glue so that they have time to set.

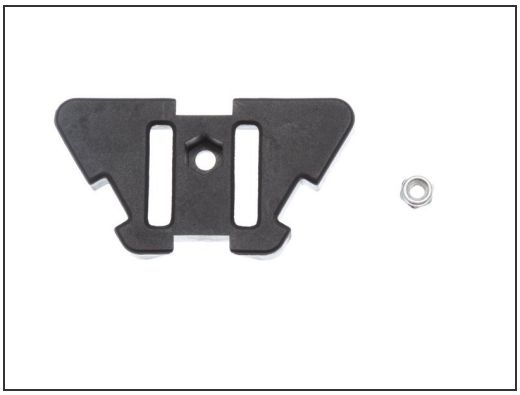
TOOLS:

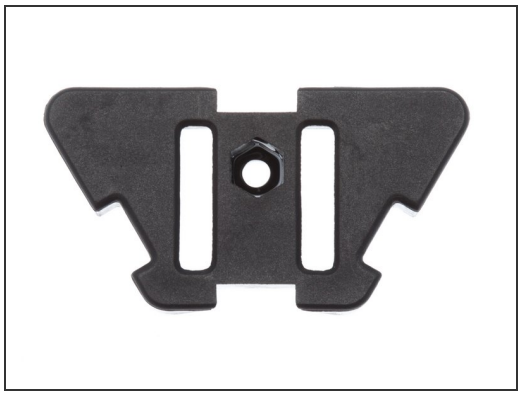
- Tube Of Loctite 410 (1)

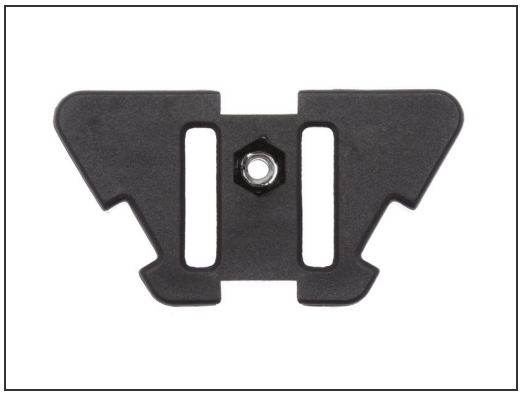
PARTS:

- M3 Locknuts (3)
- Idler Sub Assembly Top/Bottom (3)
- M3 37mm Standoff (3)
- Ball Rail Carriage Top (3)

Step 1 — Idler Block Prep



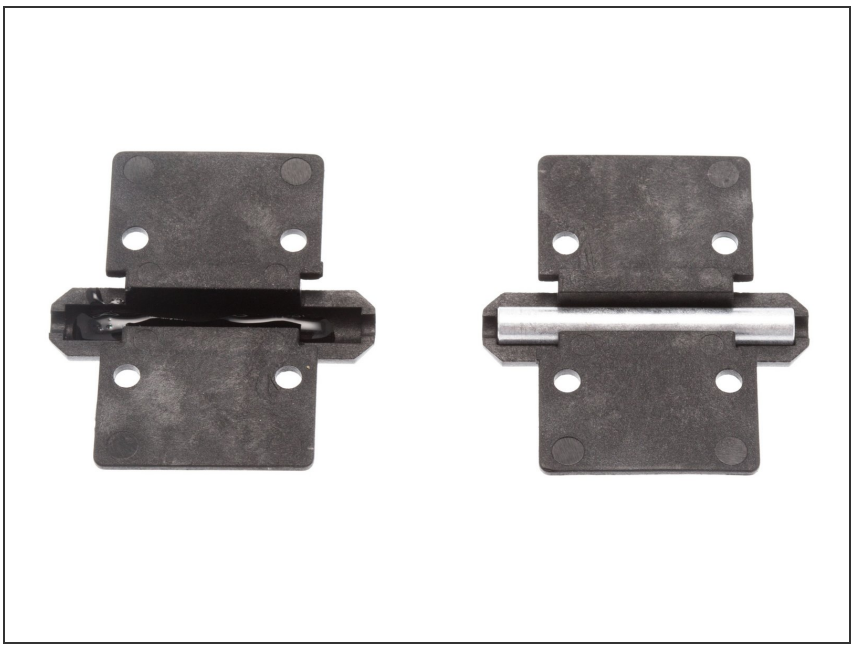




⚠ Warning: The Loctite 410 can be messy, we recommend covering your workspace with something disposable to protect it.

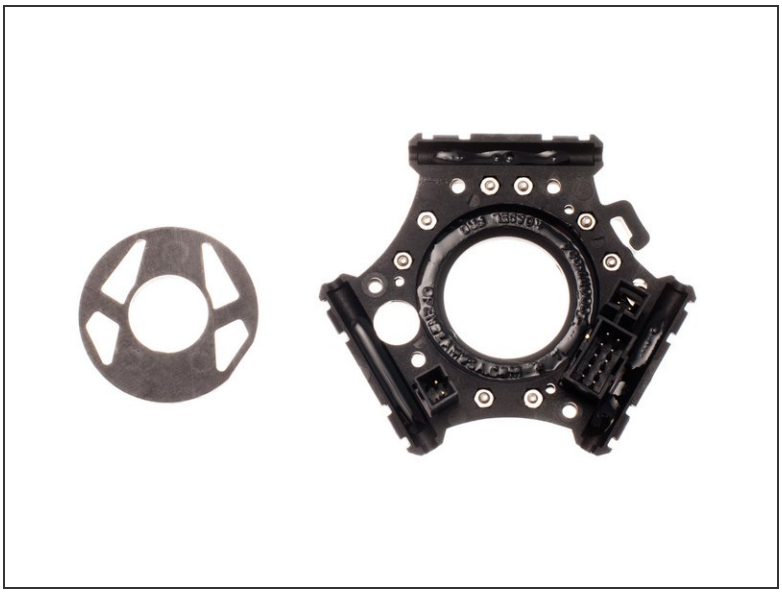
- Apply a thin layer of the Loctite 410 to the inside of the nut well.
- Gently slide an M3 Lock Nut into the nut well, ensuring that the locking side (the white ring) faces upward.
- Repeat for the remaining two Idler Subassemblies, for a total of three.

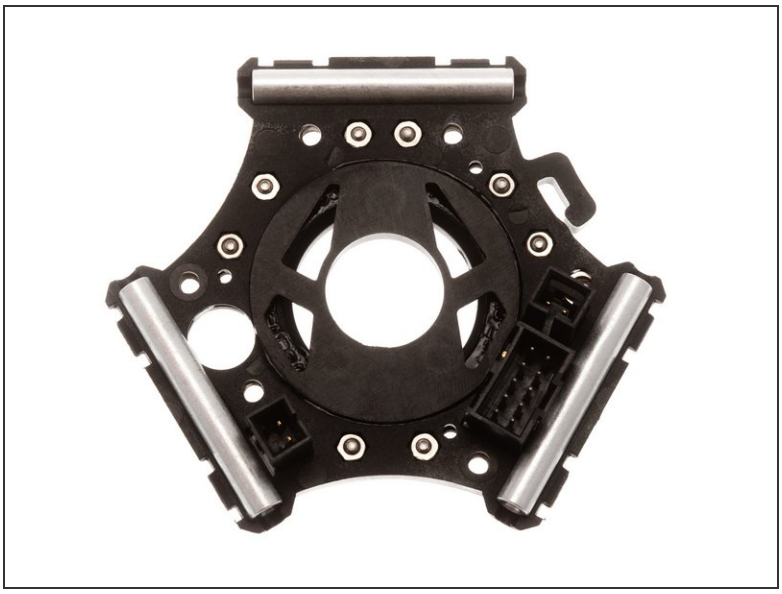
Step 2 — Ball Rail Carriage Top Prep



- Apply a light line of Loctite 410 to the inside channel of the Ball Rail Carriage Top.
- Press an M3 37mm Standoff into the Loctite.
- Repeat for the two remaining Ball Rail Carriage Top, for a total of three.

Step 3 — End Effector Prep





- Apply a thin line of Loctite 410 into each channel of the End Effector Bottom, and along the inside ring.
- Press the End Effector Interior Duct into the center, paying careful attention to it's alignment.
- Press M3 37mm Standoffs into each channel.

Set completed parts aside to cure.