firepickdelta

Assembling the Delta pulley and arms

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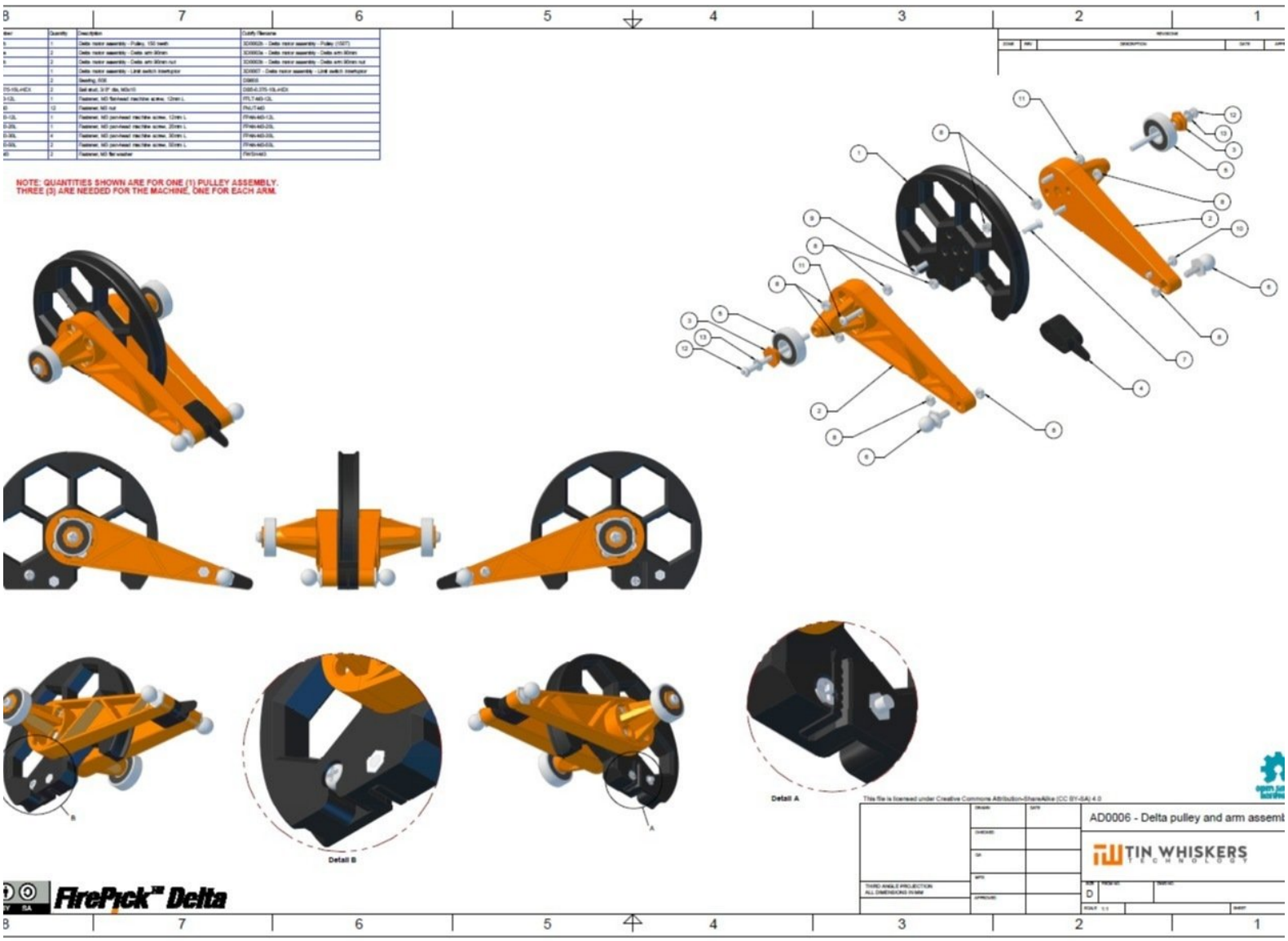
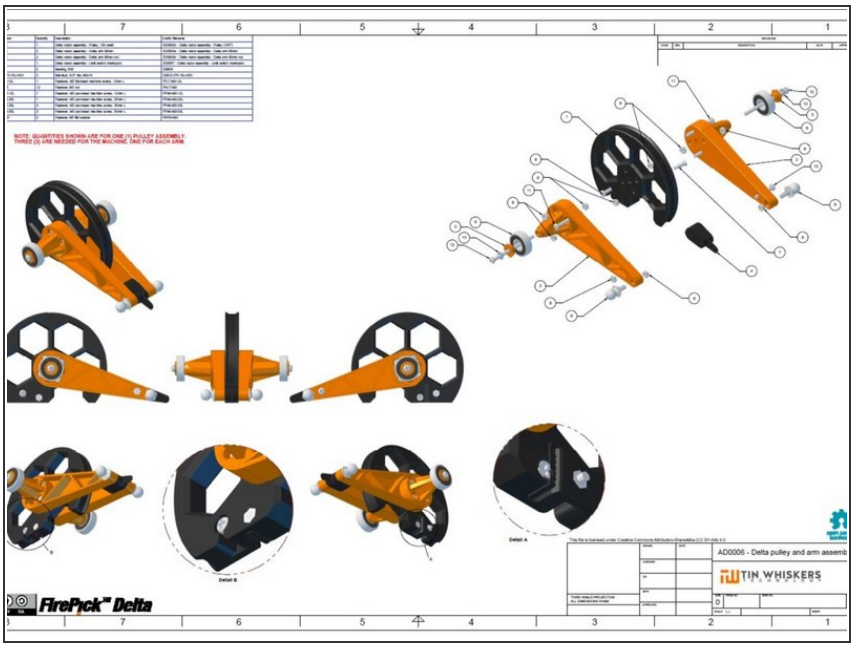


TOOLS:

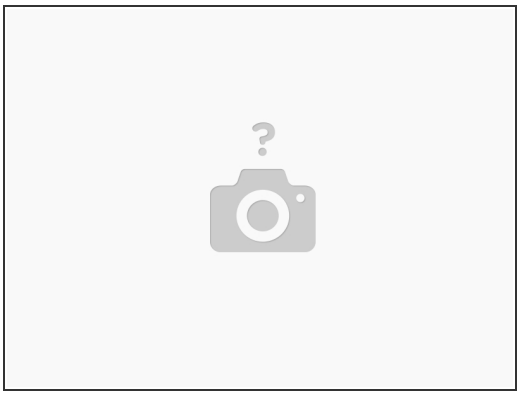
- Small phillips screw driver (1)

Step 1 — Reference - Exploded View Diagram



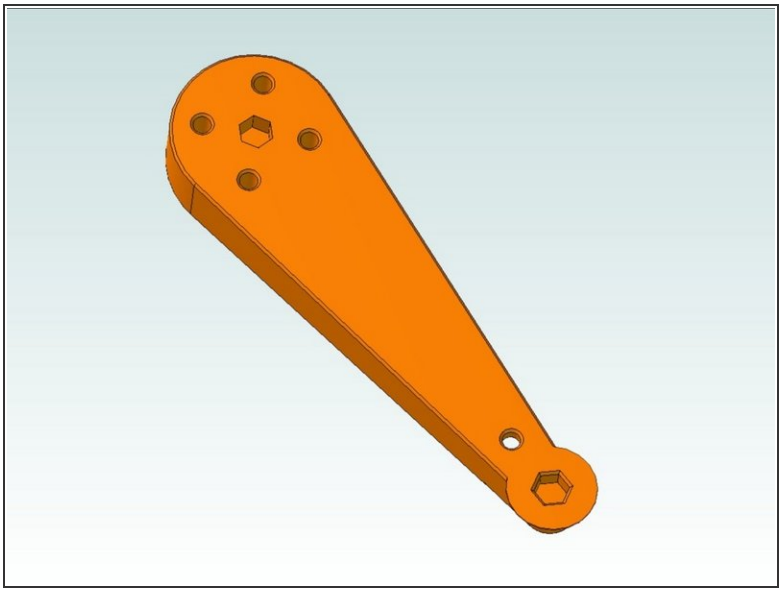
- For this guide, please refer to the exploded diagram with annoted parts / Bill of Materials.
- Note: Use the PDF linked diagram above, not the thumbnail provided by Dozuki.

Step 2 — Gather parts



- Note to self: Take some pics of the hardware bags and put them here

Step 3 — Remove Support Material



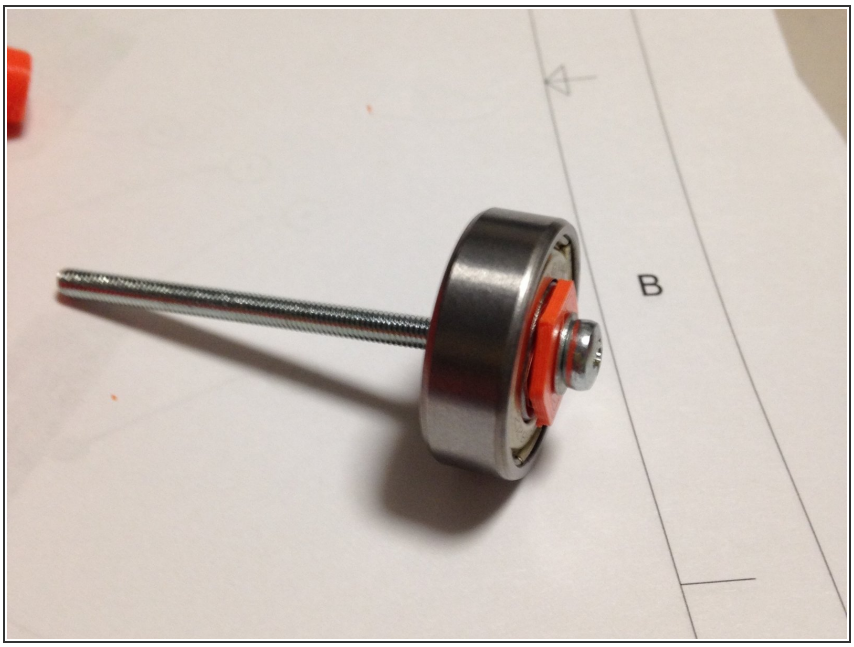
- Remove the brim on the smaller end of the arm, and the support material in the two nut traps

NOTE: The brim and the support material may have already been removed for you by us, when we packed your kit. but it's best to double-check.

Step 4 — Assemble Bearing

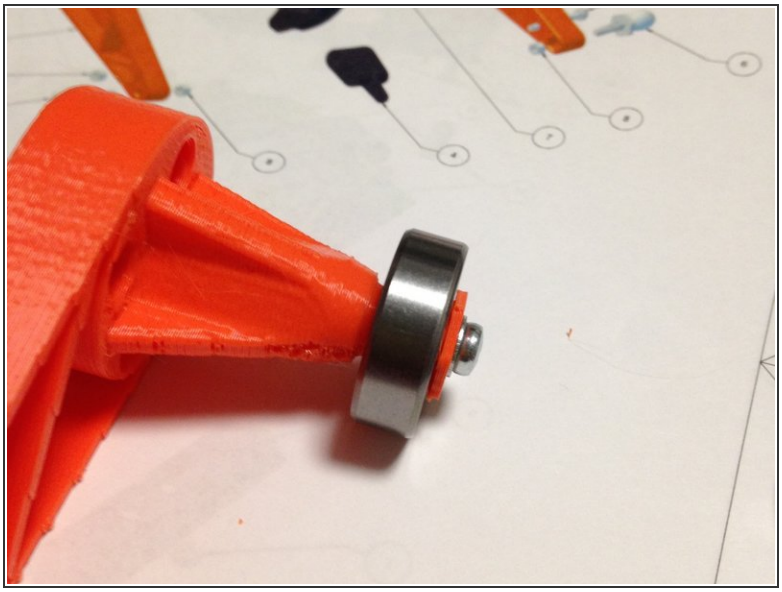
- Insert 3d printed nut into ball bearing

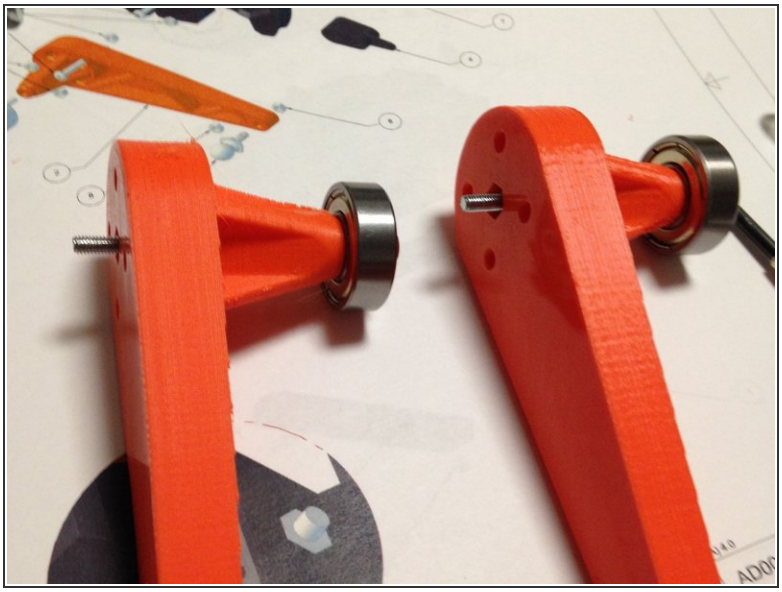
Step 5 — Create bearing assembly



- Place flat washer on M3-50mm screw
- Place screw through 3d printed nut

Step 6 — Add bearing to arm



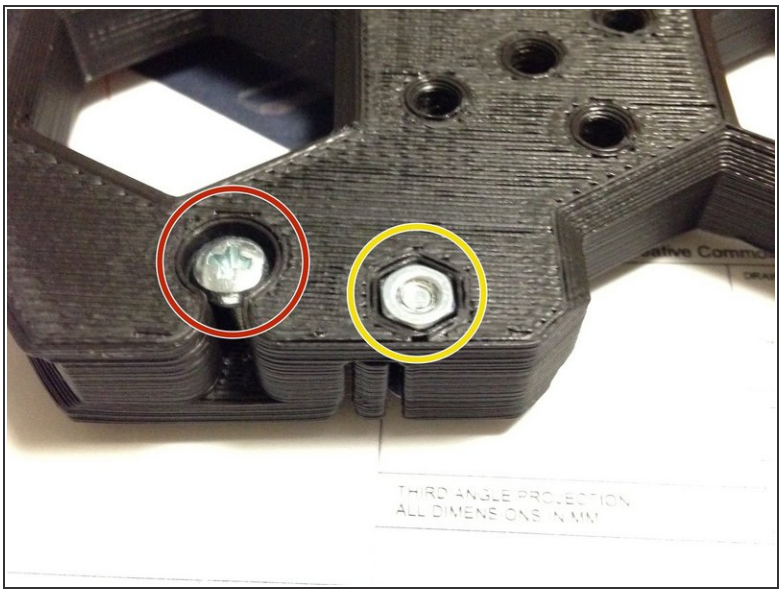


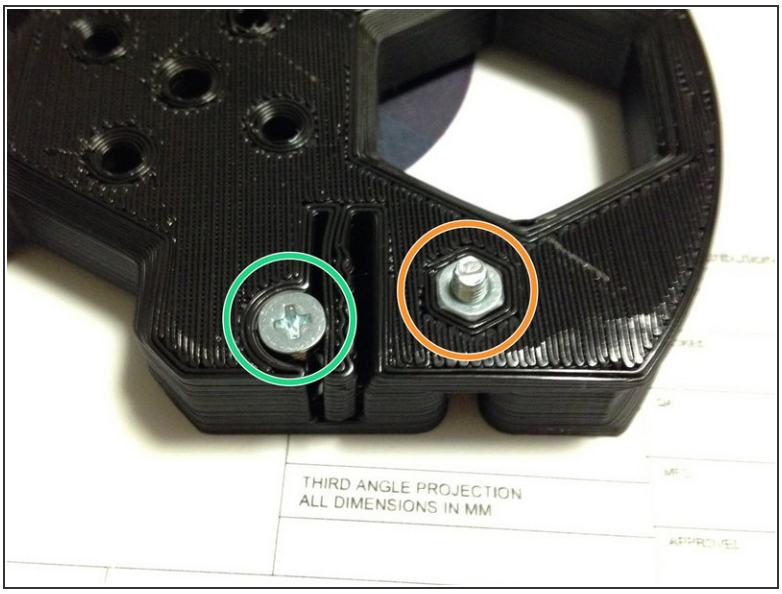
- Insert screw into arm
- Attach M3 nut to back side and tighten until secure and snug, but not so much that the plastic deforms.

Step 7 — Add DBS-0.375-10L-HEX Ball-Studs

- Attach ball-stud to arm
- Secure with M3 nut. Again, tighten until secure and snug, but not so much that the plastic deforms.

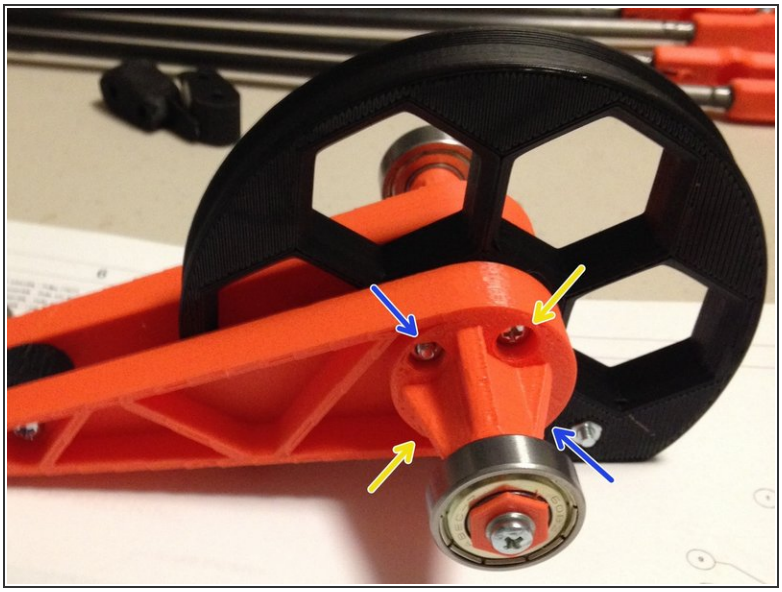
Step 8 — Add Belt Screws

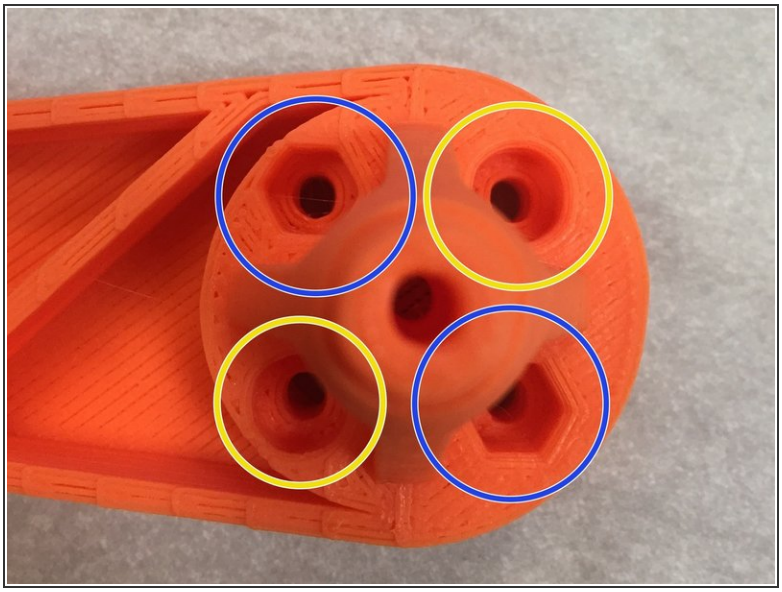




- Insert M3 x 12mm L pan-head screw into pulley
- Secure screw with M3 nut
- Insert M3 12L flat head screw into opposite side of pulley
- Secure flathead screw with M3 nut

Step 9 — Attach Arms to Pulley

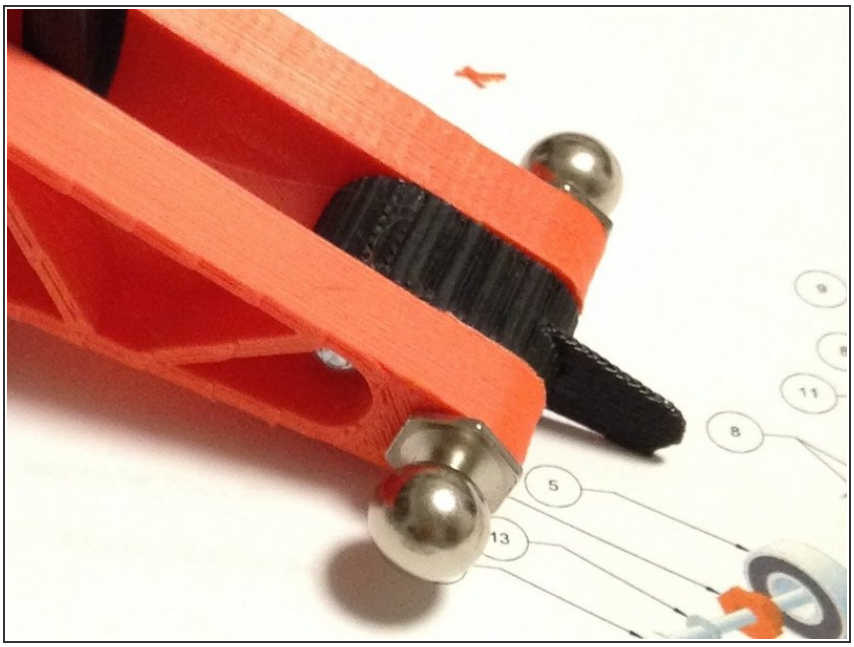




- Insert two M3 nuts into each orange arm, as shown in the second picture. **NOTE: Only two of the holes will accept nut traps.**
- Insert two M3 x 30mm? pan-head machine screws into each orange arm. **NOTE: Only insert the screws into the ROUND counter-bored holes.**
- Carefully assemble both orange arms and the black pulley as shown in the first picture. The nuts and screws are caddy-corner, so when facing each other, everything should line up nicely (nut to screw, etc).

NOTE: Do not fully tighten until you complete the next step

Step 10 — Add limit switch interuptor



- Insert 3d printed limit switch interruptor
- Secure with 20mm M3 screw and nut
- Tighten all screws

Step 11 — Repeat Two More Times

- Repeat this guide until you've got three assembled pulleys, as shown.