Ingoing Drive Belt

Written By: Mosaic Support



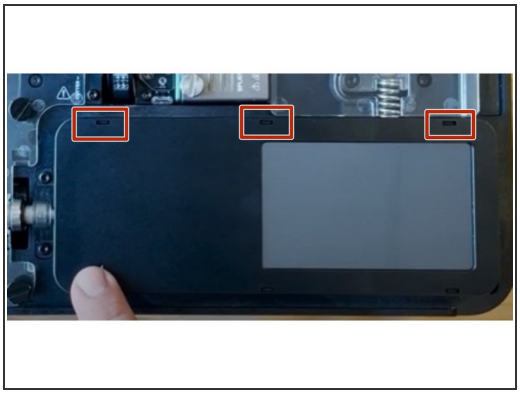
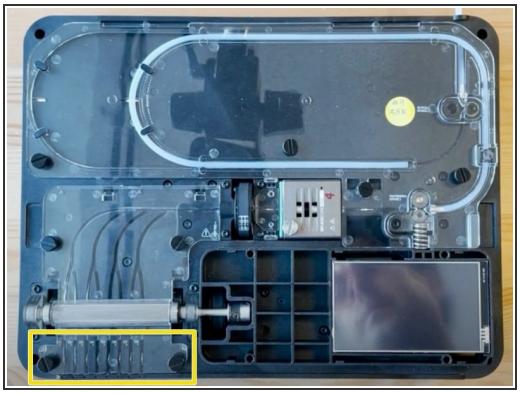
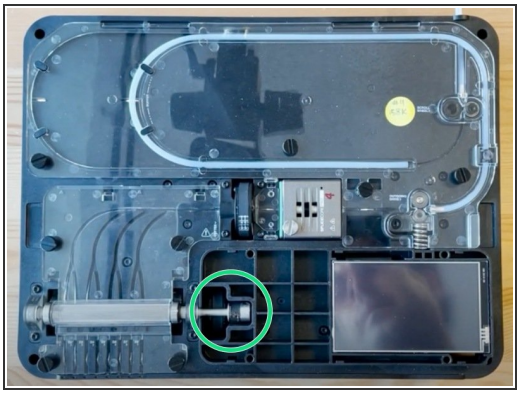
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INTRODUCTION

In this guide you will learn how to replace the ingoing drive belt in the Palette 3/3 Pro.

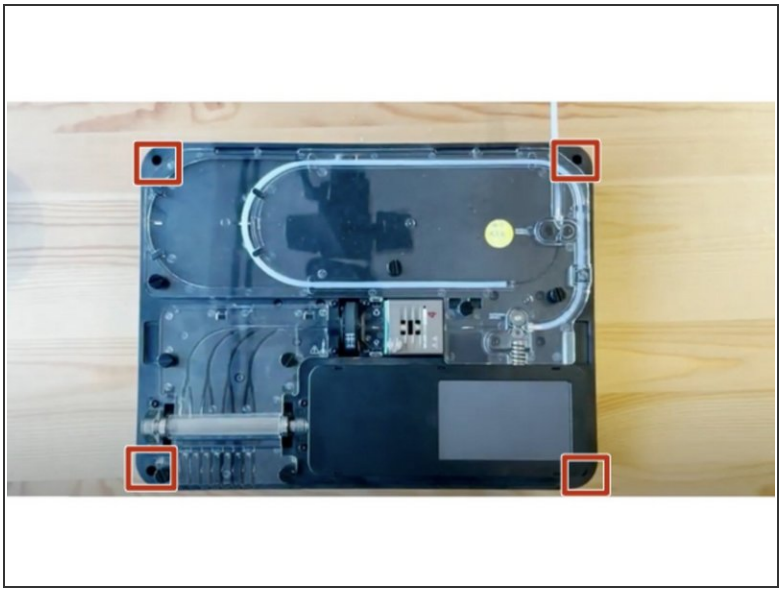
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Step 1 — Checking the ingoing belt for damage

- Remove the screen cover by lifting the snap-fit sides.
  - First remove the top side. Then the bottom side will easily come off.
  - ⓘ There are six snap-fits holding it in place.
  - Remove the bottom acrylic ingoing drive cover.
    - ⓘ Undo the two thumbscrews to remove cover.
  - Check for belt damage by manually rotating the ingoing drive gear.
    - Rotate the drive gear while looking at the belt for visual damage.

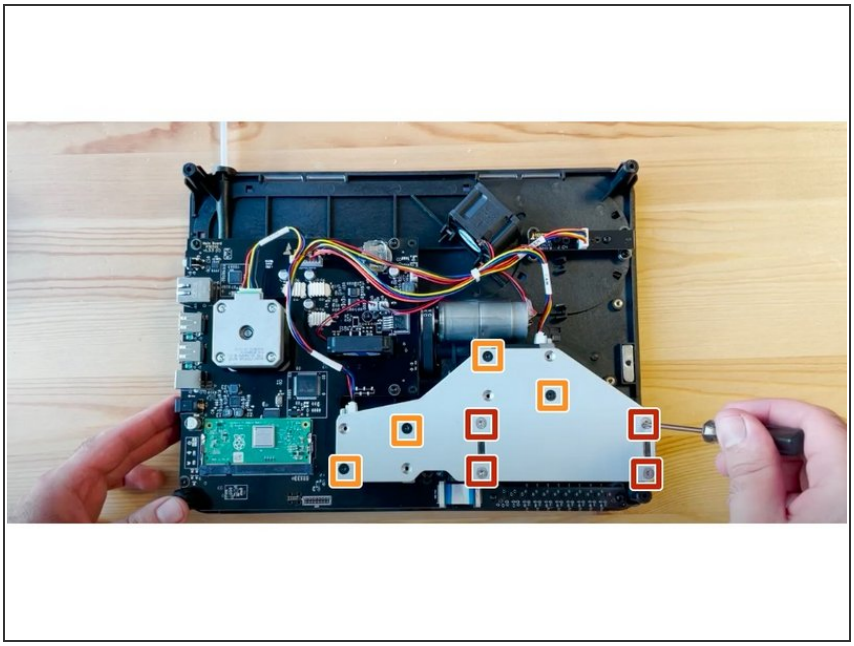
Step 2 — Remove the bottom casing





- Using the provided Torx screwdriver, remove the 4 screws on each corner of the substructure.
- Remove the IO plate cover from the unit, by pulling the tab on the Ethernet port. The IO plate cover is snap-fit to the unit and can be placed back easily.
- Gently lift and remove the substructure from the bottom casing.

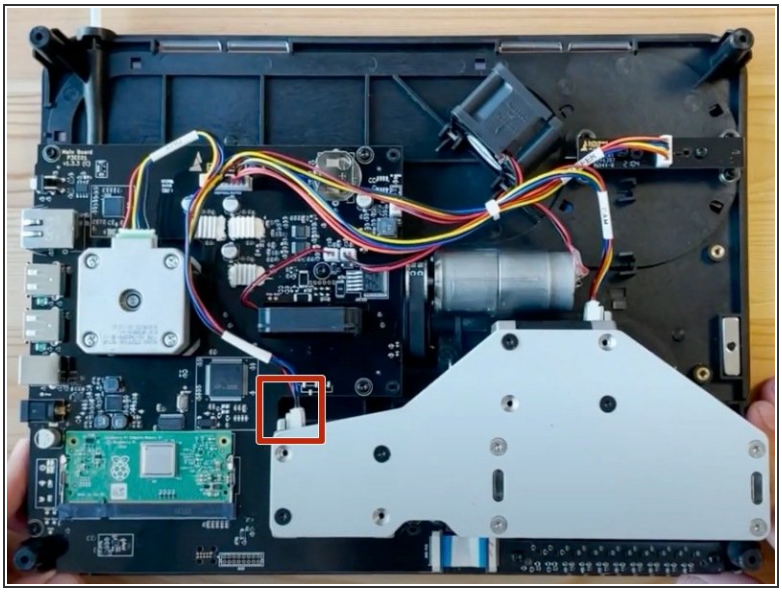
Step 3 — Remove CAM support bracket

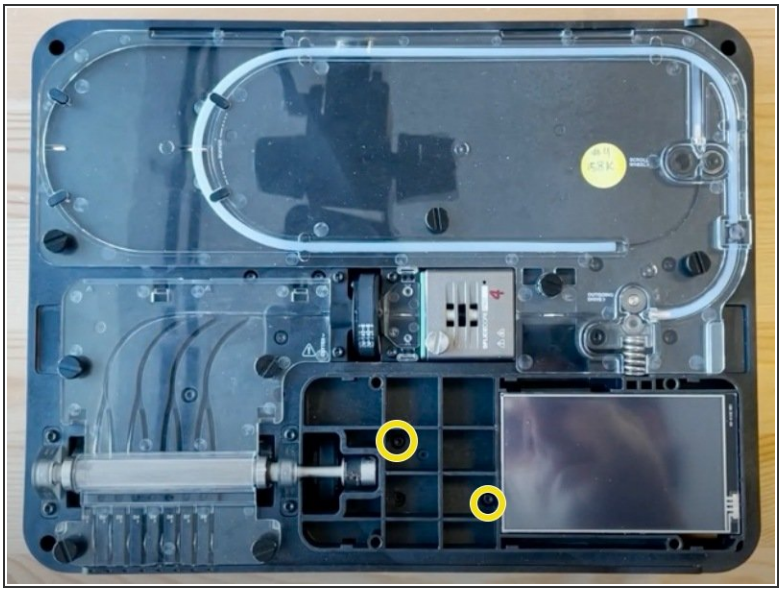


ⓘ Flip substructure so that the screen is on the bottom, and the electronics are facing up. Using the torx screwdriver provided, undo CAM bracket screws.

- Black screws will release the bracket.
- Silver screws will release the CAM from the bracket.

Step 4 — Removing the motor

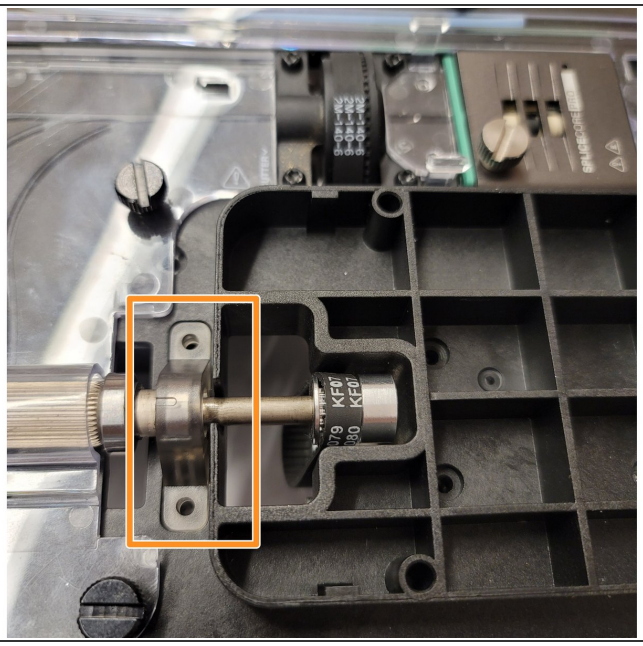




- Disconnect the ingoing wire motor connector.
  - Pull on the connector to disconnect it from the motor.
- Flip the unit over and undo the two screws keeping the motor in place.

⚠ With the screws undone the motor will become released. Hold the motor when flipping the substructure.

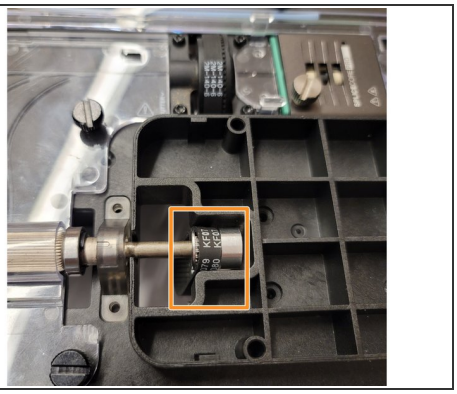
Step 5 — Dismount the right side of the ingoing drive

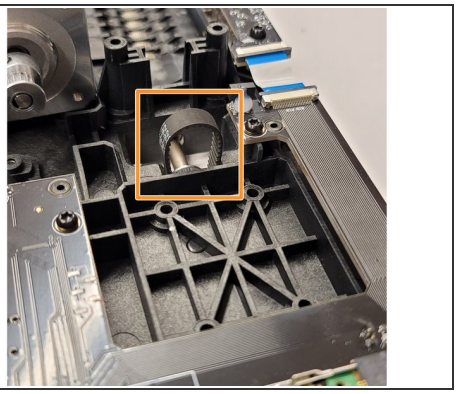


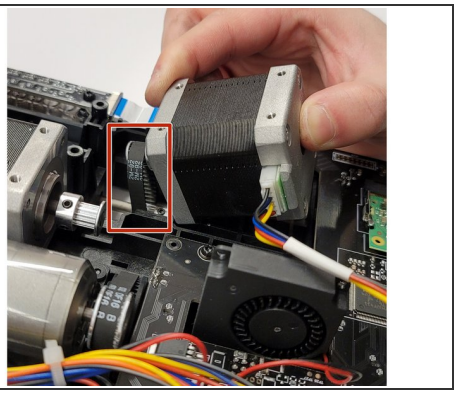
- Remove the bottom acrylic cover holding the ingoing drive in place.
- Remove the two screws holding the right end of the ingoing drive. This will provide more slack to install the new belt.

⚠ The CAM assembly below will release - there is a large follower piece, small cap and spring.

Step 6 — Install the belt on the ingoing drive motor.



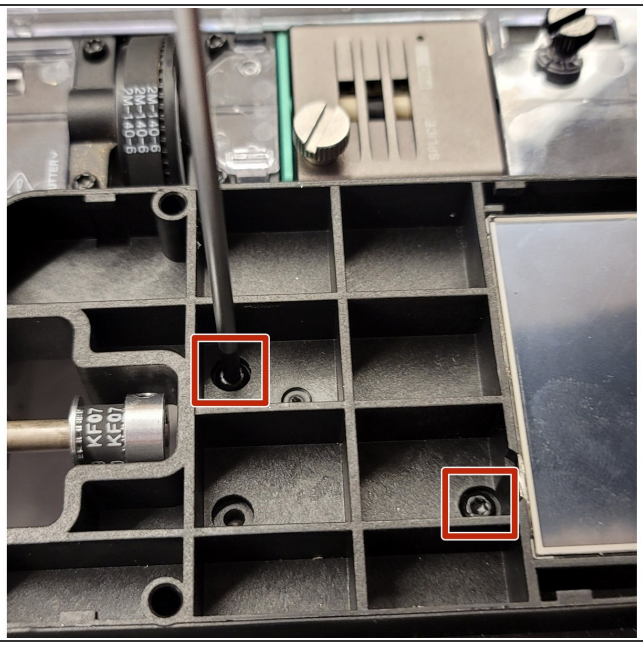




- Once the belt is around the ingoing drive sprocket, the ingoing motor can be reinstalled. Flip the unit upside for these next set of steps.
- Insert the motor sprocket into the belt. Align the motor's body into place.

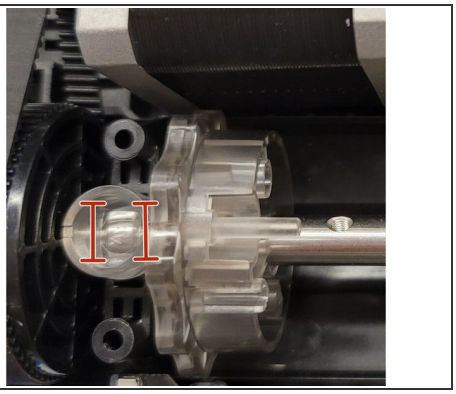
ⓘ Make sure the connector is facing the side with the fan.

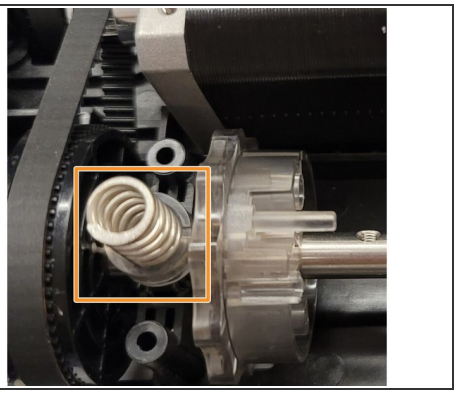
Step 7 — Secure the ingoing drive motor back in place

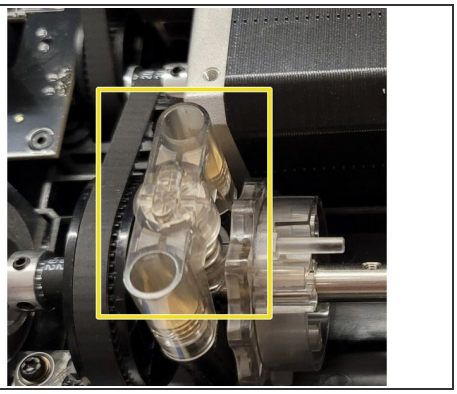


- Once the ingoing belt is around both the **ingoing drive sprocket** and **motor sprocket** , the screws for the motor can be secured back into place. The belt should now be taut.

Step 8 — Reassemble ingoing drive and CAM caps



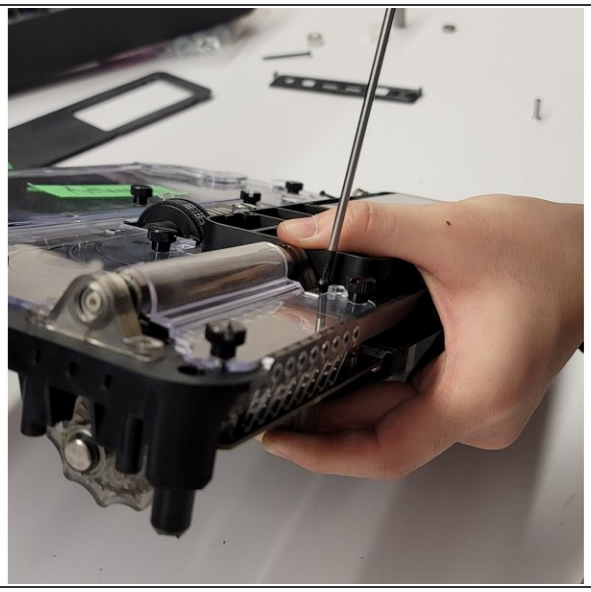


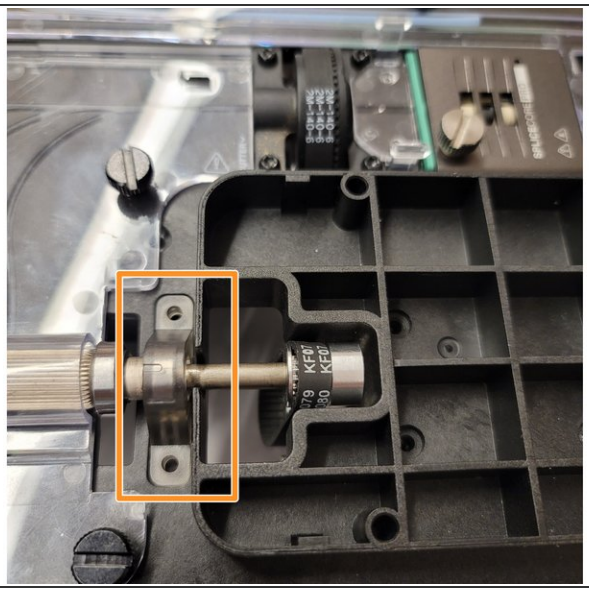


- Flip the unit over again to begin reassembling the CAM caps.
- The follower cap has two notches on its bottom side, these notches sit on top of the bearing.
- Next, place the spring in the middle.
- Place spring cap on top.

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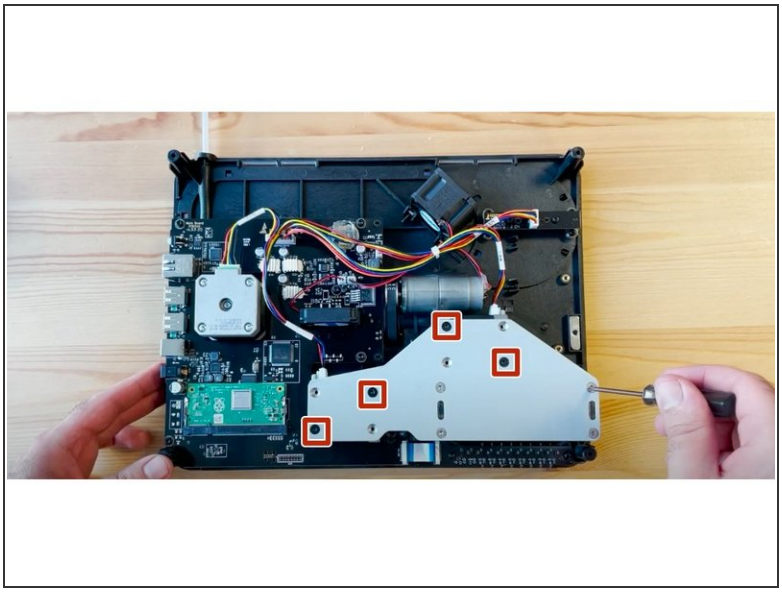
Step 9

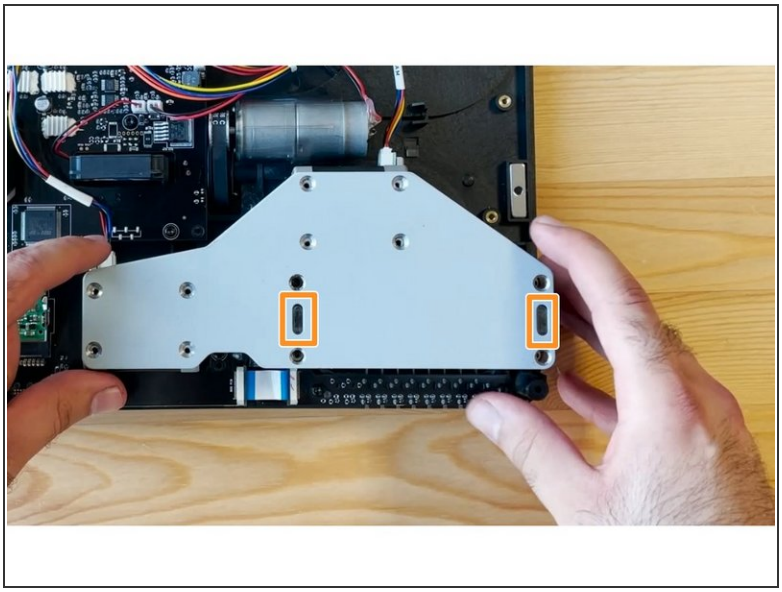




- **Support the re-assembled CAM caps with your hand to hold it in place.**
- Insert the long screws from above and tighten to secure the CAM assembly from the last step.

Step 10 — Reassemble the CAM bracket and unit





- Flip the unit back to face the bottom. Reassemble bracket, putting black screws back on diagonals half tightened.
- Once the screws are half tightened, you should see a small acrylic end from the two CAM caps, and two holes on the bracket. **Gently position and push the bracket over these acrylic ends, before re-inserting the remaining silver screws to hold them in place.**
- Proceed with returning the substructure to the bottom casing by replacing the four screws on each corner, and then place back the IO board and screen covers.

If you have any additional questions, please send us a message at support@mosaicmfg.com