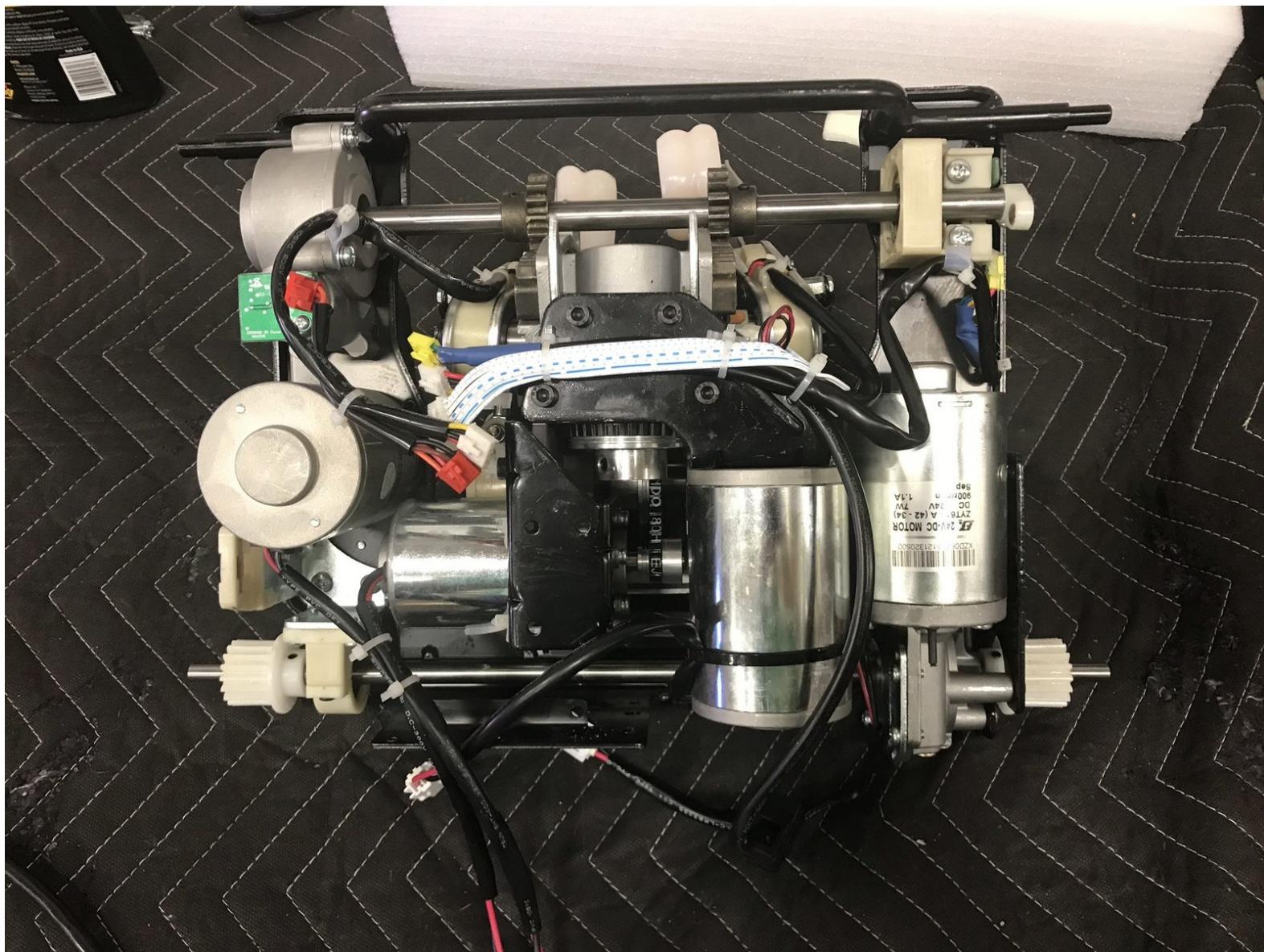




3D Massage Mechanism Roller Arm Replacement

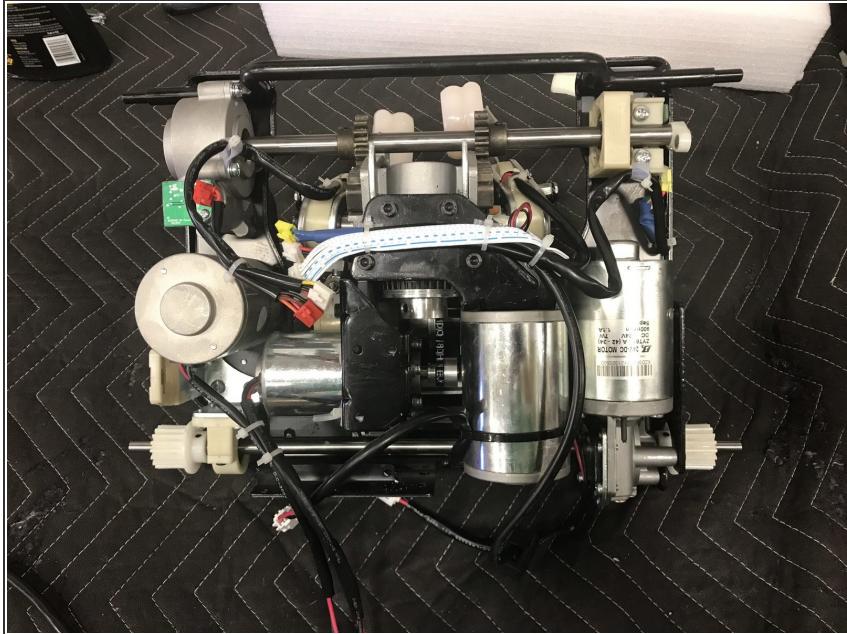
Written By: Nick



 **TOOLS:**

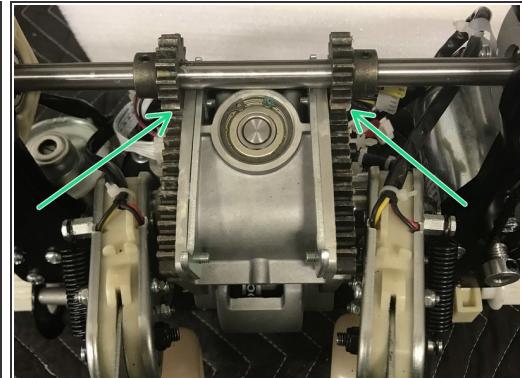
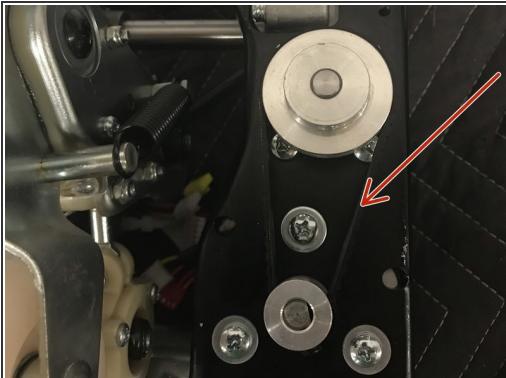
- [Adjustable Wrench](#) (1)
- [Large Needle Nose Pliers](#) (1)
- [Small vice Grips](#) (1)
- [Zip Ties](#) (1)
- [Philips 2](#) (1)
- [Cordless Drill](#) (1)

Step 1 — Roller Arm



⚠ Before beginning be sure sure Mechanism is completely removed from the chair.

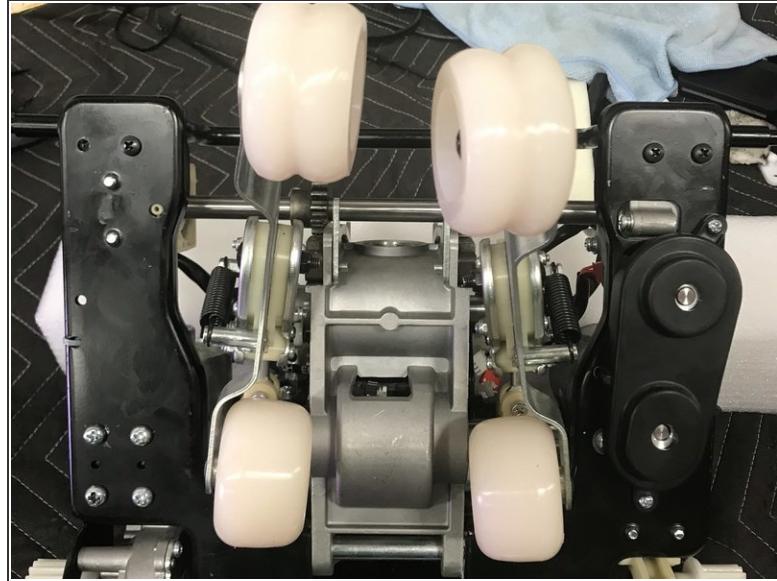
Step 2



- Remove the 2 Phillips head screws . This cover is located on the front of the mechanism.
- Now spin the 3D motor belt .
- By spinning this belt will move the 3D gears to the furthest position.

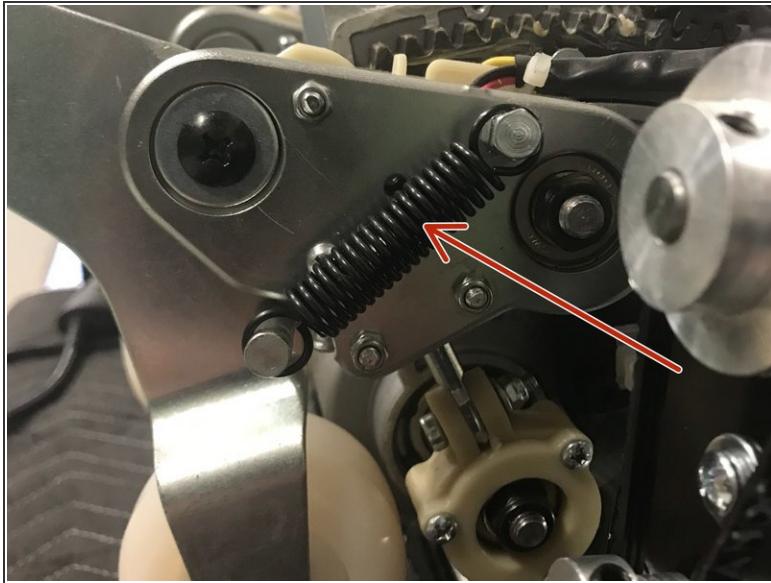
⚠ If you don't spin this motor the steps after this will not be possible to complete

Step 3



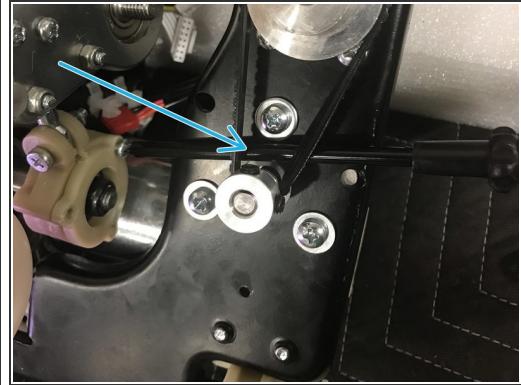
- Before beginning Roller Arm removal you will need to spin the kneading motor belt .
- I always try to get the roller arms to a slightly closed position .

Step 4



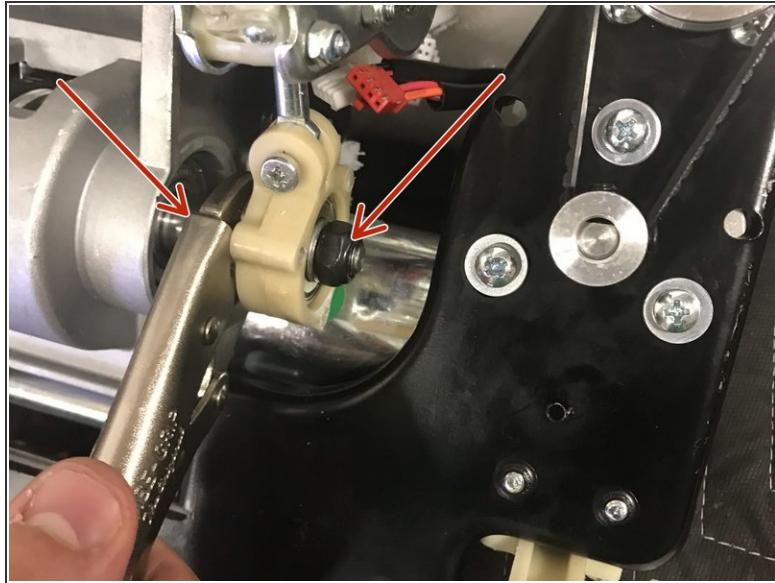
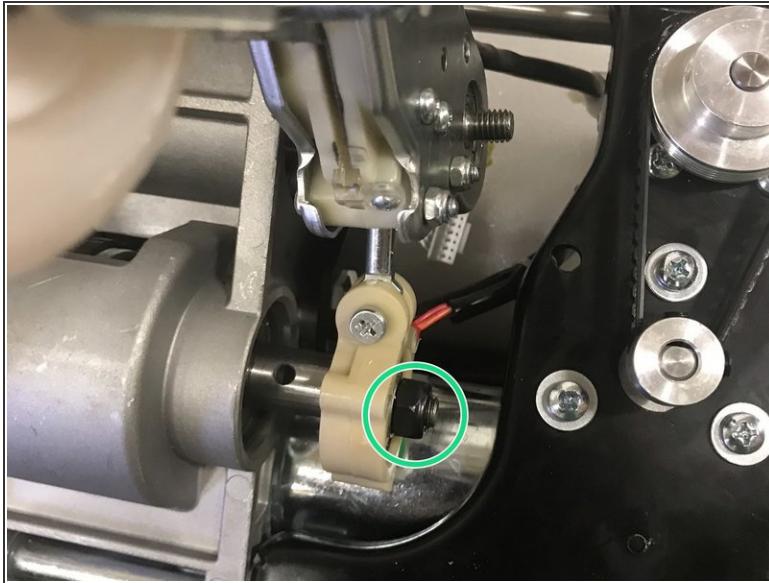
- Remove the roller spring . You can use a pair of pliers.
- Next we you need to remove the roller spring mount. this can be done by using an adjustable wrench .

Step 5



- Remove the upper Nut and washer .
- Remove lower Teflon piece by removing all 3 screws.
- In order to remove one of the three screws you will have to insert your screw driver behind the 3D motor Belt. Mind you this only applies to the **LEFT** side roller arm

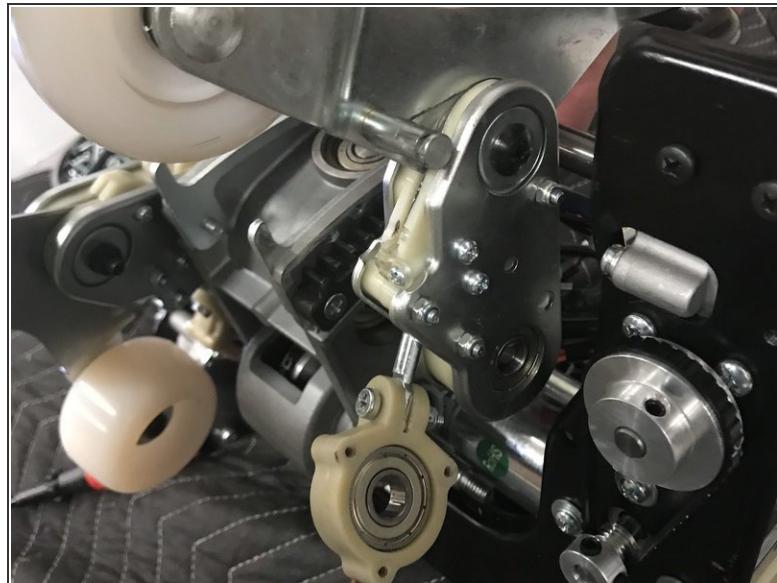
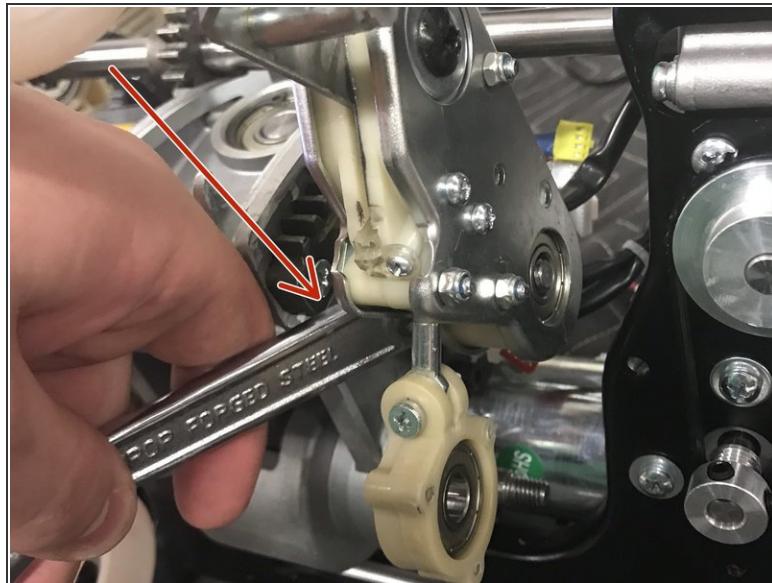
Step 6



- Remove nut and washer.
- lock the vice grips onto the kneading motor shaft. while using a wrench at the same time to loosen the nut.

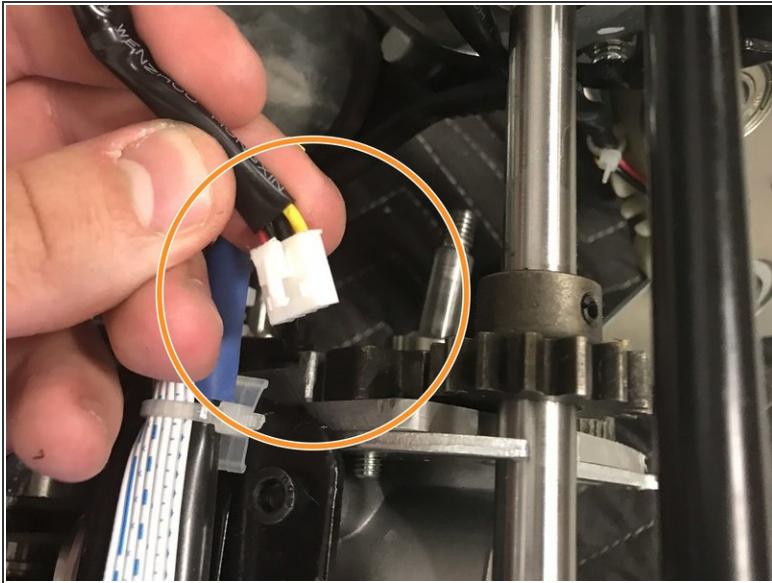
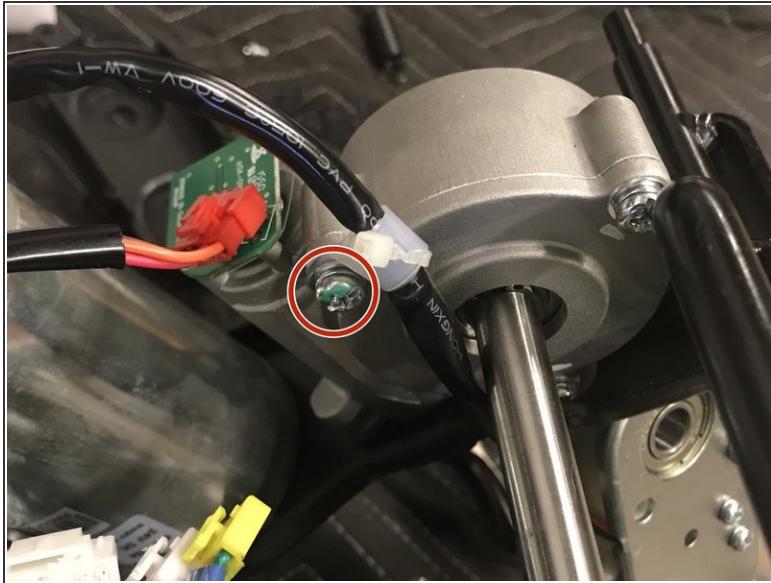
⚠ PLEASE DO NOT OVER TIGHTEN THE VICE GRIPS. YOU COULD POTENTIALLY DAMAGE THE SHAFT.

Step 7



- Using the handle of a wrench or a small pry bar apply pressure between the roller arm and the assembly.

Step 8



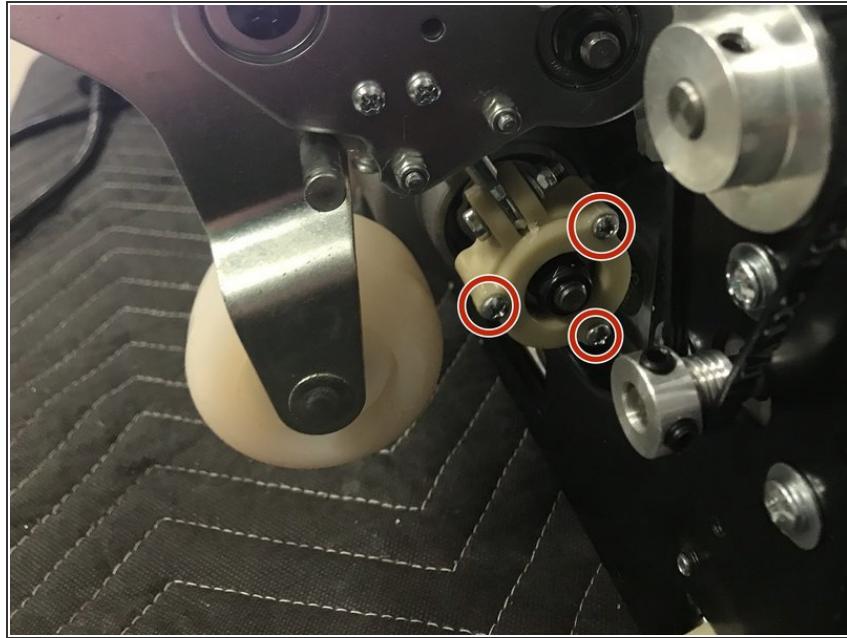
- The roller arms have wires going to a sensor board on the back side of the mechanism. Remove this plastic mount mount.
- This wire will plug into a small PCB on the back side of the mechanism . I don't have the PCB in this photo but once you follow the wire its self explanatory

Step 9



(i) Roller arm has been removed
Successfully

Step 10 — Reassembly Tricks



- When reinstalling this outer nut cover it will appear like it doesn't fit . It needs to be attached by evenly screwing in the bolts at the same time. example: screw in one bolt half way, screw in the other 2 half way, repeat until secure.

! Beware you may have difficulty removing roller arms from the shaft, i assure you it will come off. Sometimes its a matter of spinning the kneading motor until you have a enough space. See Step 3

i Please note on your mechanism you may have to cut zip ties to free up the roller arm cable. please apply new zip ties as necessary.

To reassemble your device, follow these instructions in reverse order.