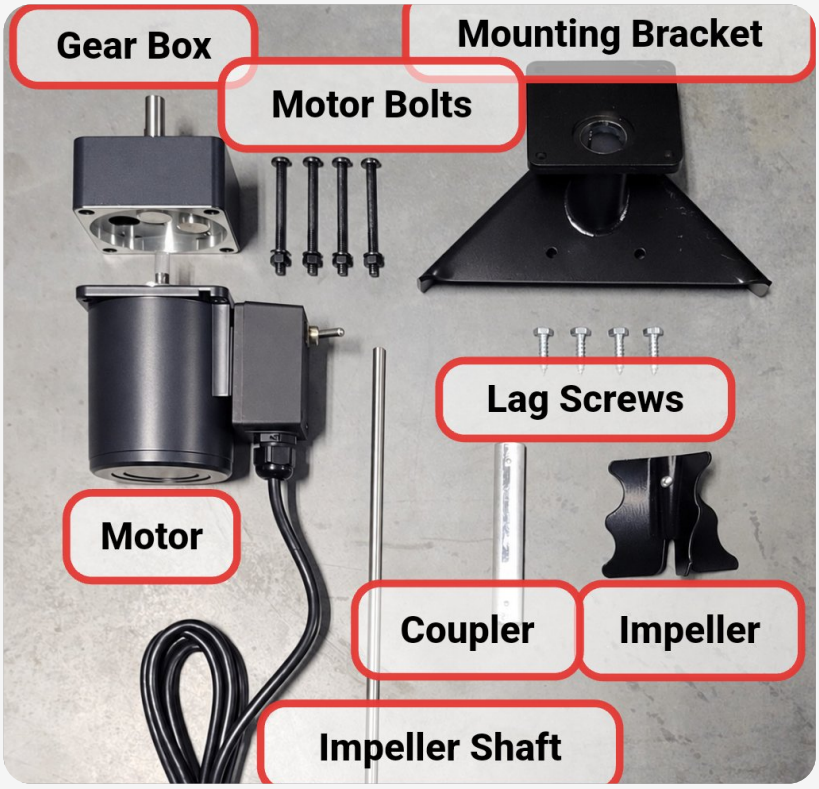
Agitation Kit Installation

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Steps: 12

Step 1

Equipment needed:
- 1 motor gearbox
- 1 motor
- 4 motor mounting bolts/washers/nuts
- 1 impeller shaft
- 1 impeller coupler w/ 2 set screws
- 1 impeller w/ set screw
- 1 mounting bracket
- 4 lag screws 1/4" diameter x 1" long



Tools needed:
- Drill
- Permanent marker
- Paper towel
- 1/8" hex wrench
- 3/32" hex wrench
- 7/16" driver drill attachment
- 7/64" drill bit
- Step bit
- 7/16" socket and ratchet
- Phillips head



Step 2

Remove lid from tank to plug drain with the paper towel.



THIS IS AN IMPORTANT STEP!!

Plugging the drain will prevent drilled shavings from entering the treatment delivey system and either clogging or restricting the treatment flow.

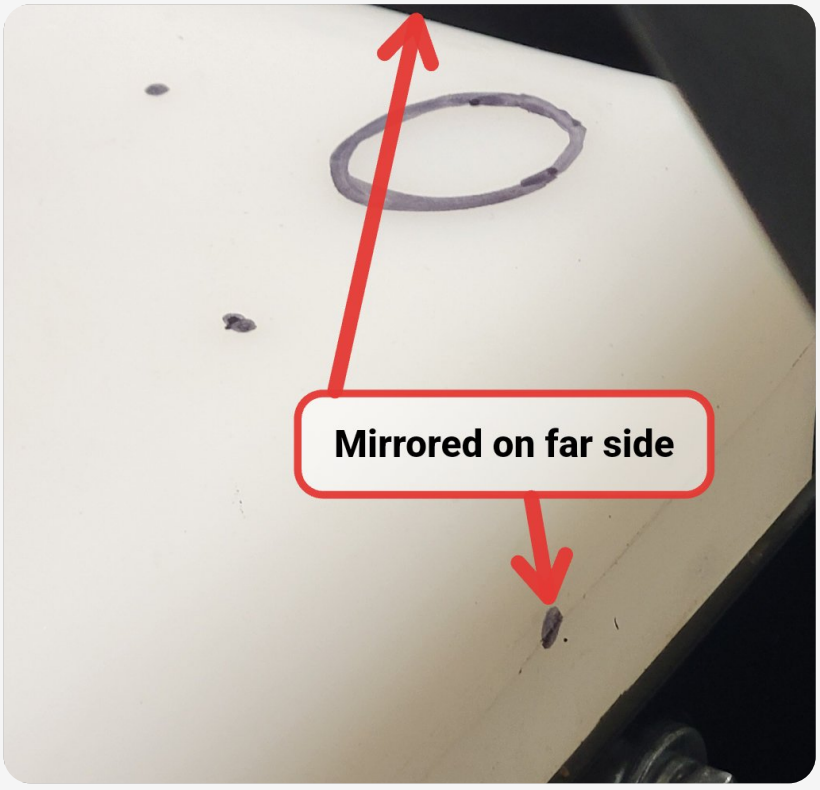


Step 3

Position the mounting bracket on the inside rear corner of the treater tank (nearest the auger) and using the marker, mark the 4 lag screws holes (2 on top and 1 on each side) and the hole for the impeller assembly to go through.

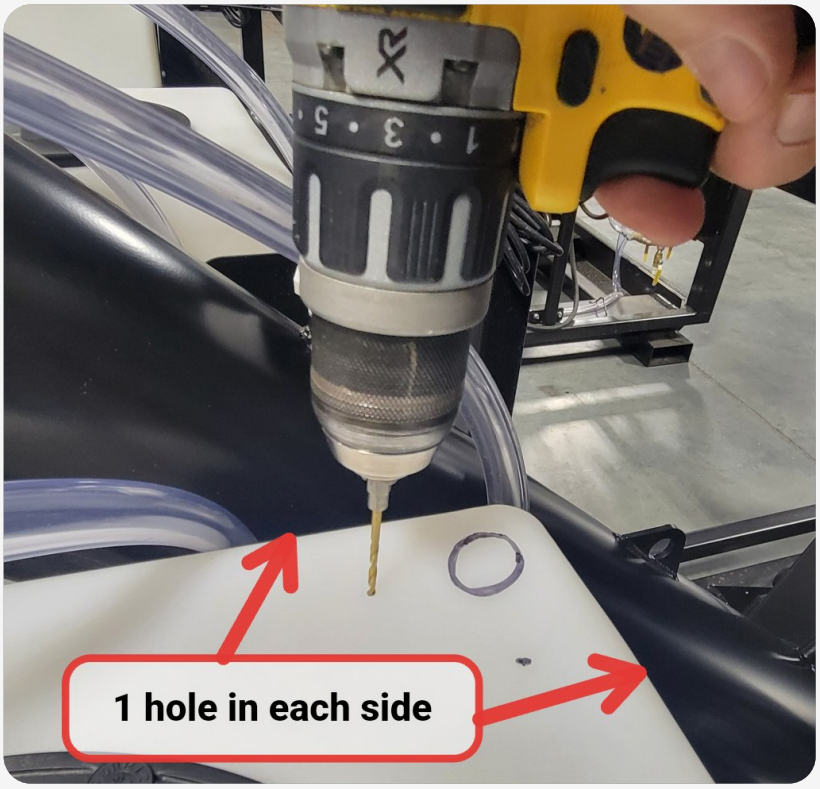


Markers made for mounting the bracket.



Step 4

Drill 4 pilot holes for the mounting lag screws using 7/64" drill bit.



Using the step bit, start by drilling a shallow pilot hole in the center of the mark to provide a firm bite. Move the bit to an approximate 45° angle positioned from the corner of the tank and aiming toward the interior center.

Drill the hole approximately 1/4"

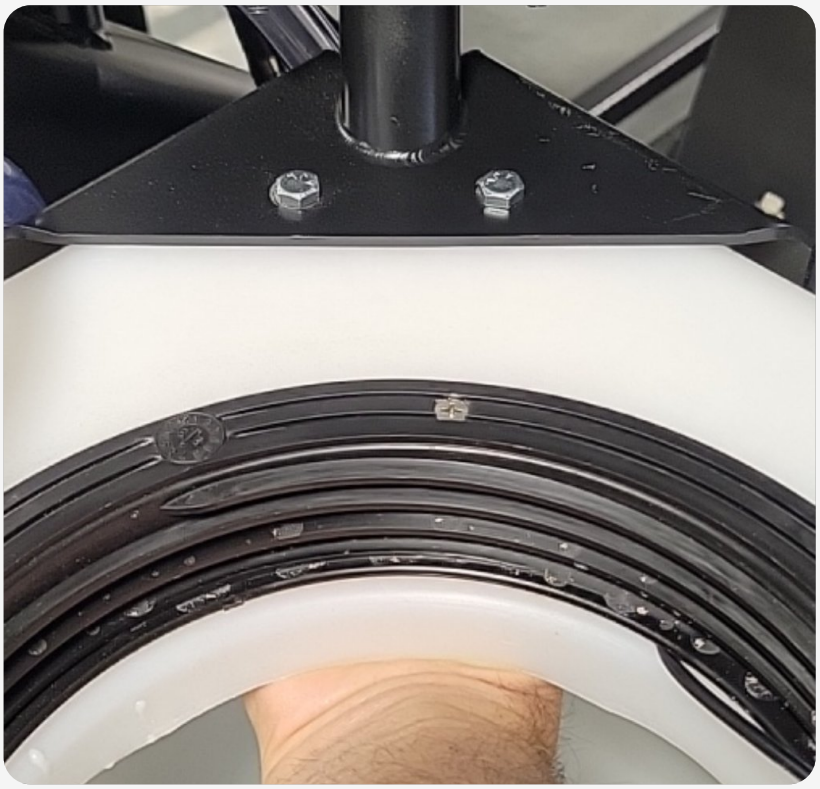


Step 5

Once holes are drilled, place the mounting bracket on the corner of the tank to insure proper clearance in the hole drilled for the impeller assembly.

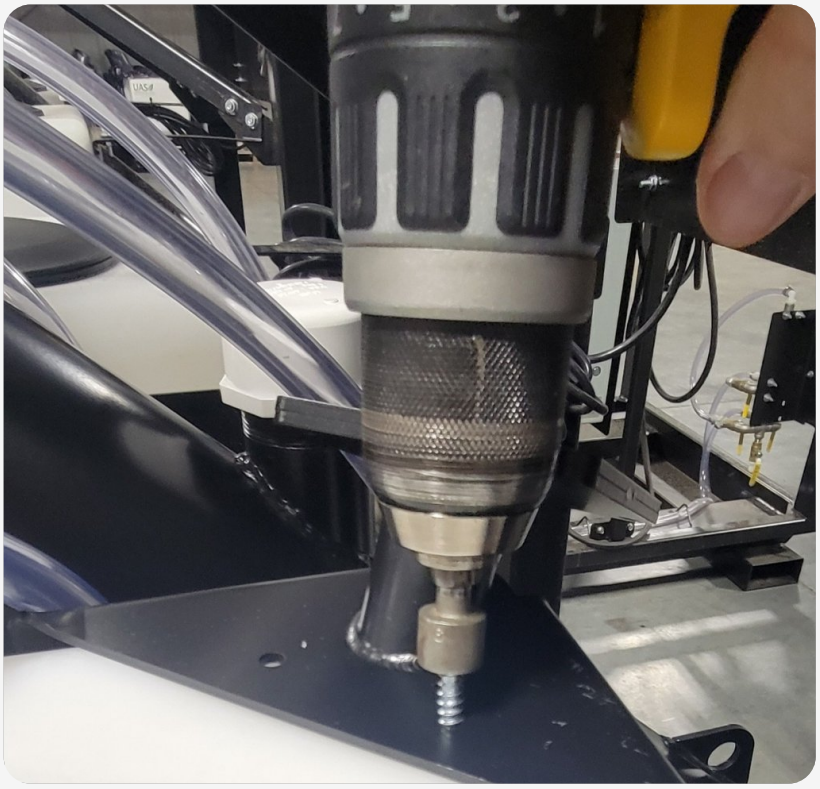


Accomplish this by reaching into the tank and feeling around the drilled hole, making sure it is slightly larger than the hole on the bottom of the mounting bracket.

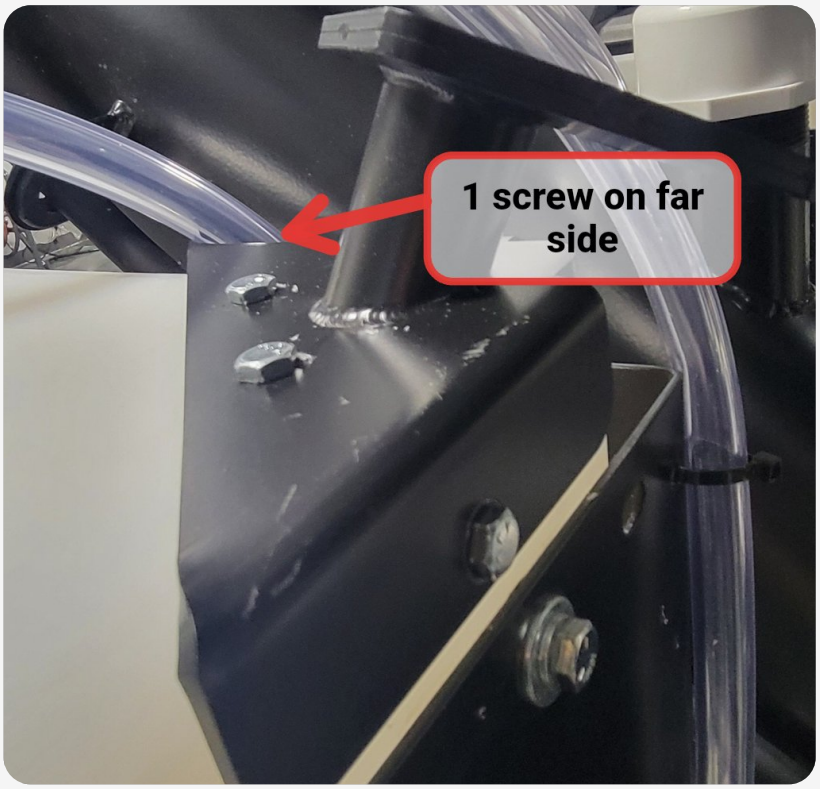


Step 6

Secure the bracket by installing the 4 lag screws using the 7/16" driver.



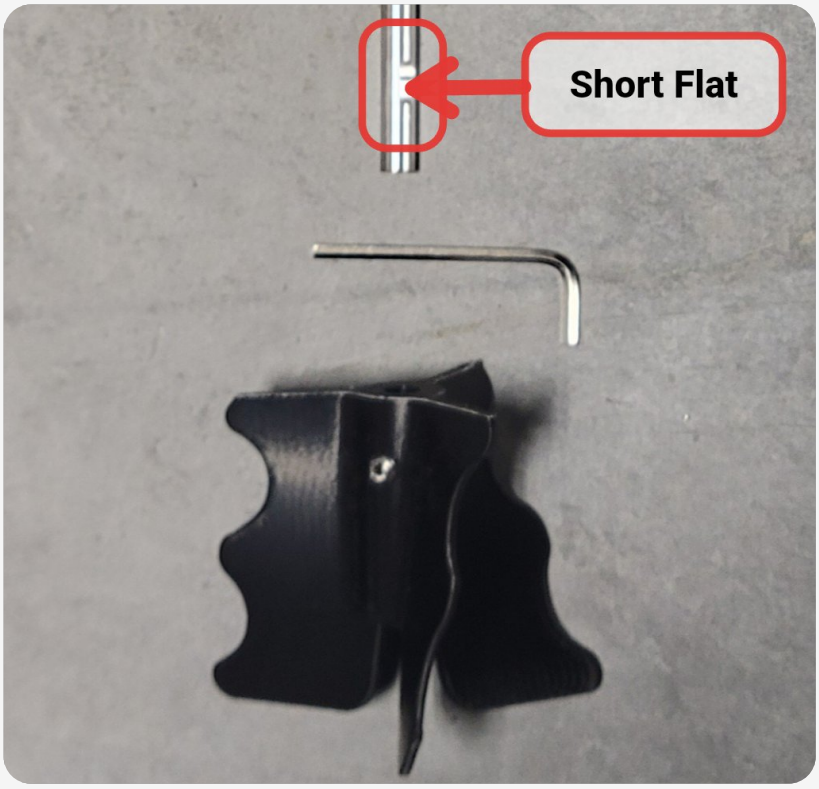
Installed mounting bracket.



Step 7

Impeller assembly.

This step needs to be done inside the tank otherwise the assembly will be too long to get into the tank.



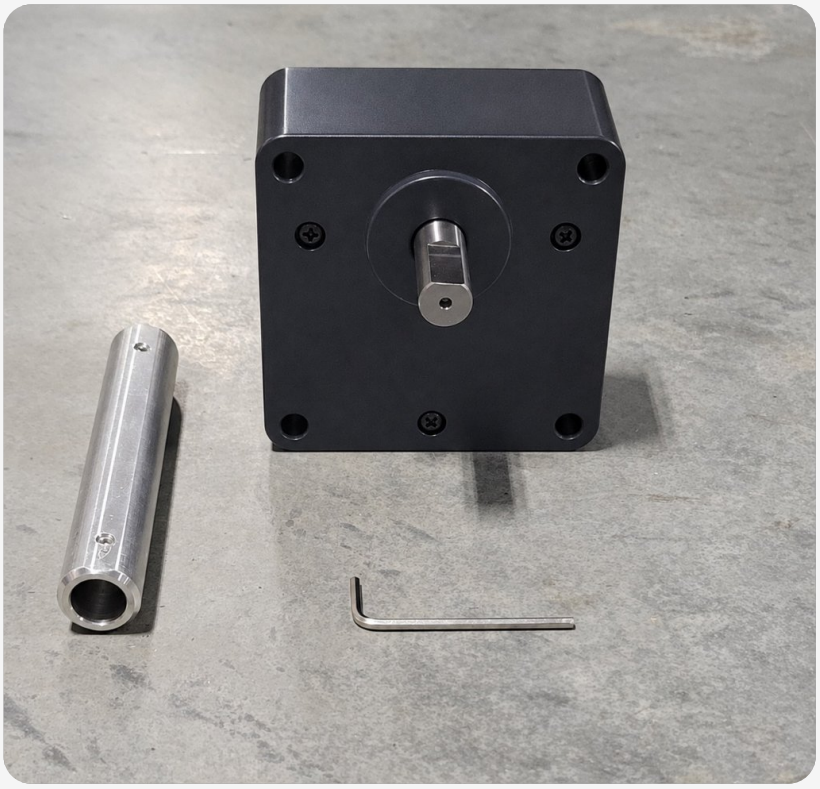
With the end that has the short flat, place the shaft through the mounting bracket and into the tank. Secure the impeller set screw using the 1/8" hex wrench, insuring the set screw is secure on the flat.



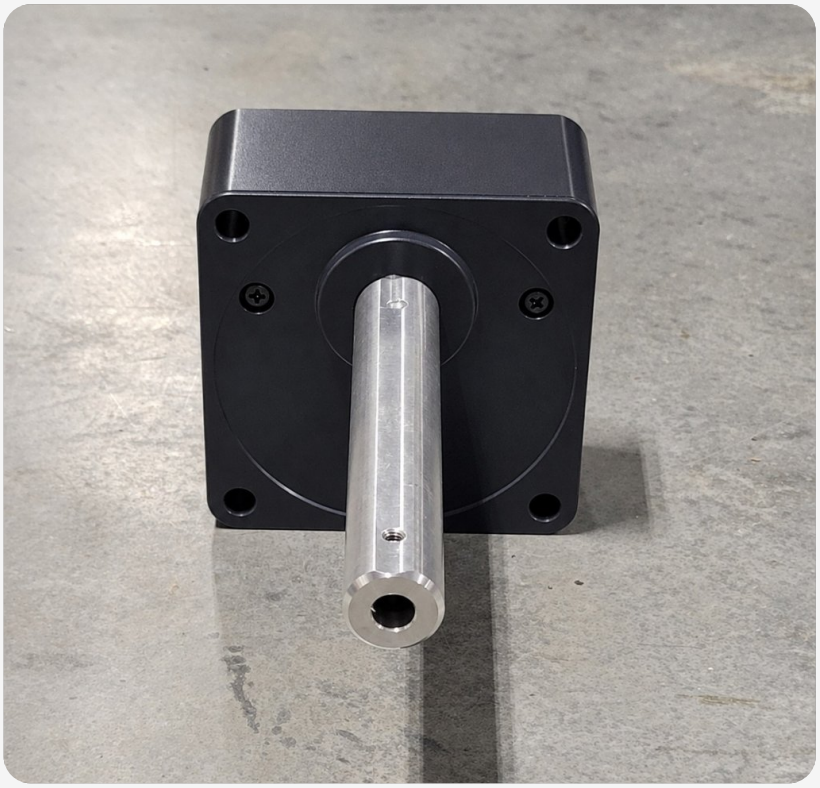
Step 8

Using the 3/32" hex wrench, secure the aluminum coupler onto the gear box shaft, insuring the set screw is secure on the flat.

Note each end of the coupler are different sizes to accommodate both the gear box and impeller shaft.

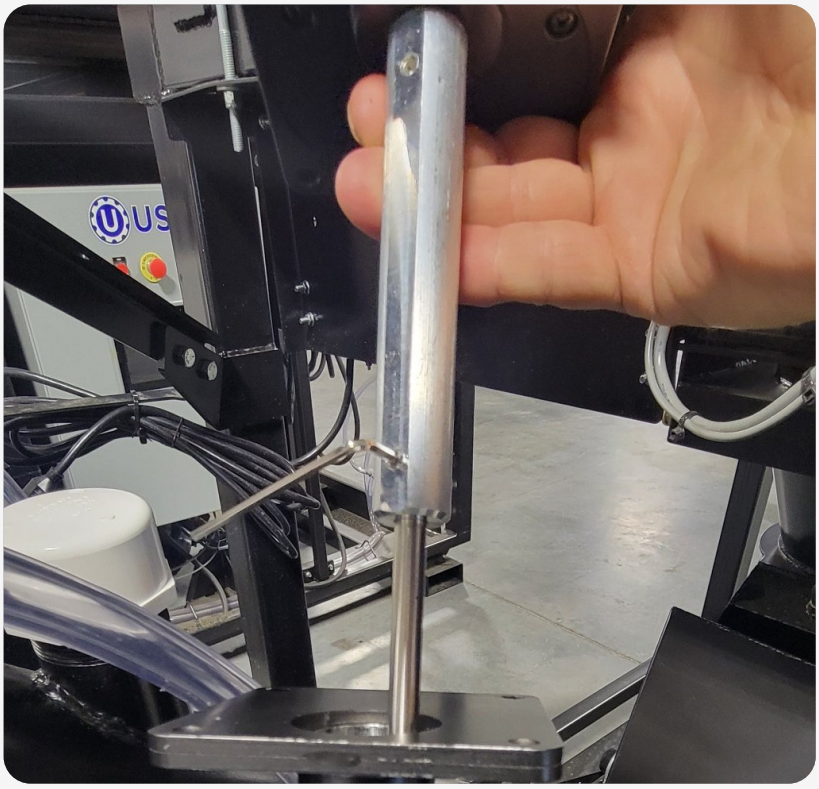


Coupler secured to gear box. Insure it is fully pushed onto the shaft.

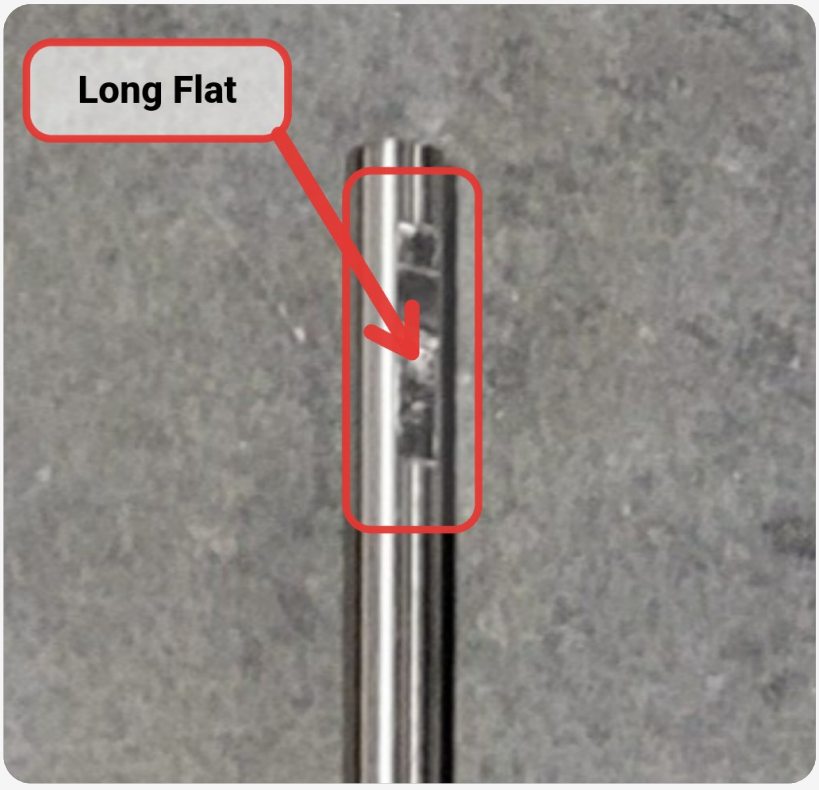


Step 9

Attach the impeller shaft to the gear box by pushing the impeller shaft from inside the tank up through the mounting bracket and into the coupler attached to the gear box.



Note this end of the shaft has a longer flat. Ensure the coupler set screw is secured on the flat and tighten using a 3/32" hex wrench.

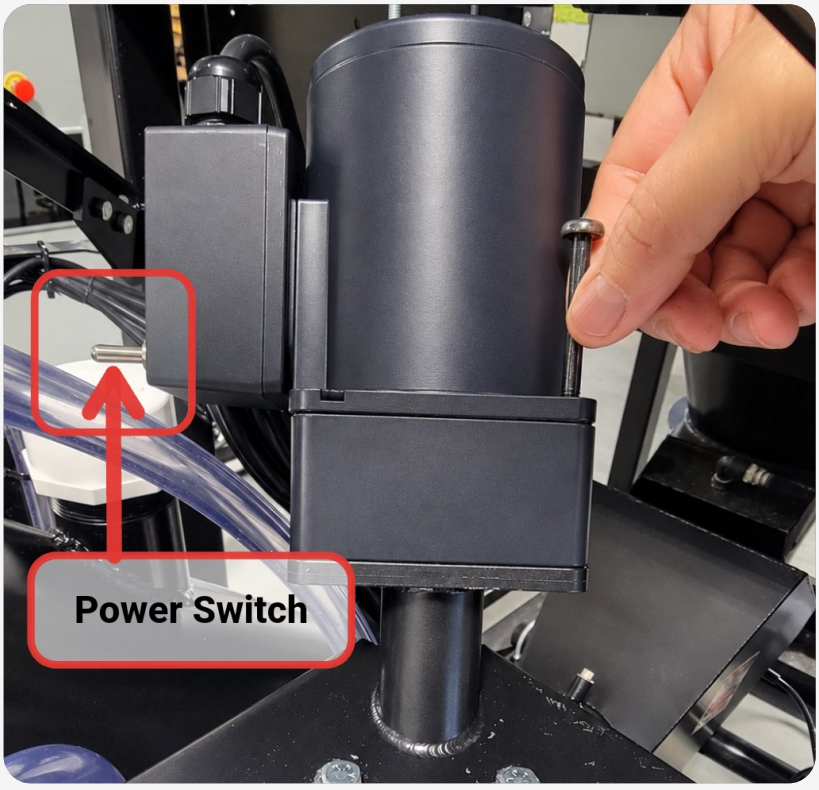


Step 10

Seat the gear box onto the mounting bracket with the proper orientation.



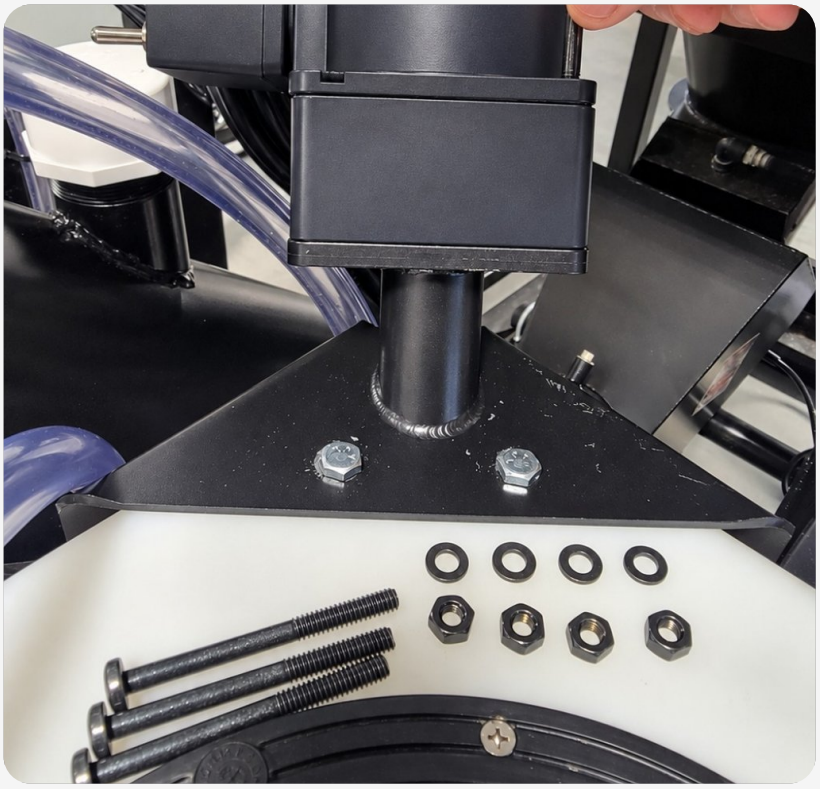
Place the motor onto the gear box with the power switch facing inward towards the treater auger.



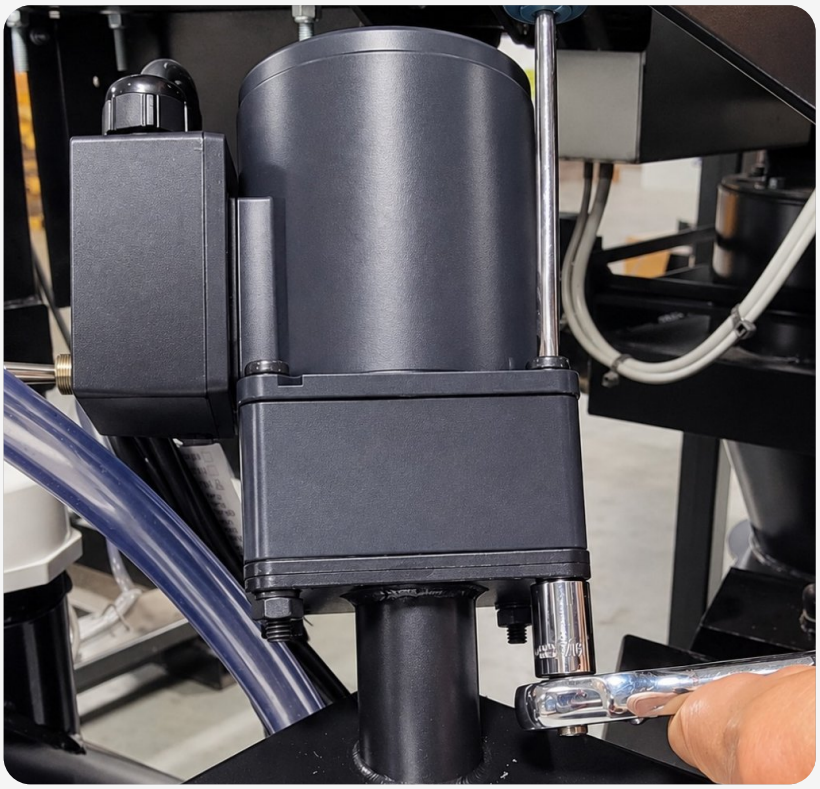
Step 11

Place motor mount bolts through the motor, gear box, and mounting bracket.

Finger tighten washers and nuts onto bolts.



Using a phillips head screwdriver and 7/16" socket and ratchet, tighten all nuts.



Step 12

Vacuum drilled shavings from the bottom of the tank and remove paper towel from the tank drain.



Agitation kit installation is complete.

