

Lily Pond Products

Division of Glaser Ceramics

www.glaserceramics.com

MIXER/RECLAIMER ASSEMBLY INSTRUCTIONS

Models: 15GM / 30GM / 55GM

Congratulations on your purchase of the Lily Pond Products Heavy Duty Mixer/Reclaimer. We are justifiably proud of our products, not only for the fine materials used, but for their record of long productivity.

**PLEASE READ ALL OF THE INSTRUCTIONS CAREFULLY
BEFORE OPERATING THIS MACHINE!**

Your Heavy Duty Mixer/Reclaimer has been preassembled to save you time and energy. Some parts have been disassembled for shipping purposes. To operate your new Heavy Duty Mixer/Reclaimer, follow these simple steps:

Carton contains:

- 1 tank container & 1 container lid
- 1 Mixing Motor with cord & switch
- 1 Motor Bracket
- Heavy-duty steel Mixer Stand
- Stainless Steel Mixer Shaft & Coupler
- Die-cast aluminum Mixer Blades
- 1 Faucet, 2" dia. (black color)

Tools needed:

- Allen wrench (provided)
- Adjustable Wrench or Pliers
- Silicon Sealer (optional)

Attach pre-assembled Motor/Cord & Switch to Bracket. (Figure 1)

1. **Align the four pre-drilled holes on the motor with the four holes at top of the Bracket.**
2. Insert nuts and bolts - Check that all nuts and bolts are tight.

Attach assembled Motor & Bracket to Container. (Figure 2)

3. **Align Bracket holes with pre-drilled holes on the Tank Container side.**
4. Properly place nuts, bolts, and washers - Check that all nuts and bolts are tight.

Attach Mixing Shaft/Coupler to Container. (Figure 3)

5. **Place Mixing Shaft with pre-attached Coupler inside the Tank Container.**
6. **Attach the Coupler onto the Motor Shaft and tighten the top two set screws.**
(Be sure the set screws are placed on the flat surface of the Motor Shaft)

Attach Faucet to Container. (Figure 4)

7. **Screw the Faucet (black color) into the typo hole at the base of the Tank container.**
Apply a small amount of silicon sealer (optional) to the fittings and opening. Be sure the faucet is secure to avoid any leakage.

Assemble Mixer Stand. (Figure 5, 6, 7)

8. Check that all nuts and bolts are tight. Set your Tank Container into the stand.
9. **Plug in Motor & turn switch on briefly** to insure your mixer will operate correctly.

DO NOT LEAVE MOTOR RUNNING AT ANY TIME WHEN MACHINE IS NOT IN USE OR UNATTENDED.

YOU ARE NOW READY TO GO! GOOD LUCK AND GOOD MIXING!



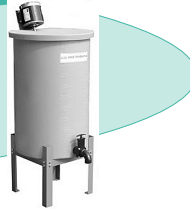
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Motor to Bracket:

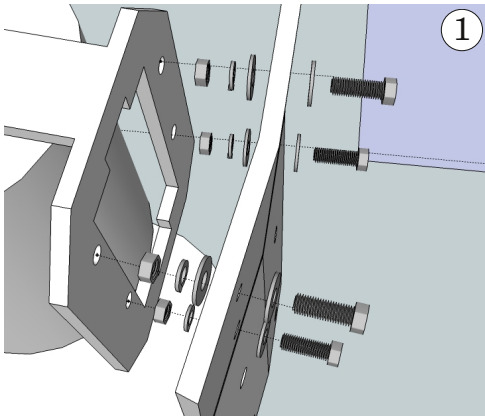
- 4 - 3/4" Hex Head Bolt
- 8-1/4" Plated Washer
- 4 - 1/4" SplitLock Washer
- 4 - 1/4" Finish Nut

Bracket to Tank:

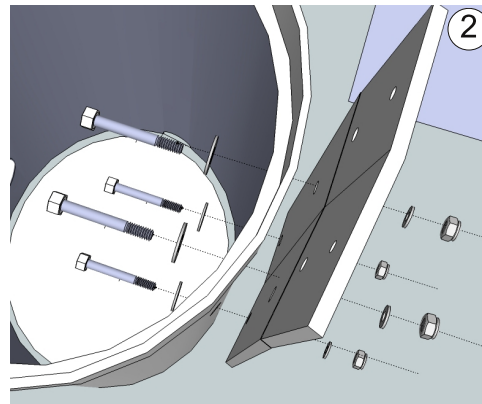
- 2 - 1" Hex Cap Screw
- 2 - 2" Hex Cap Screw
- 4 - 1 1/2" Washer
- 4 - 1/4" Plated Washer
- 4 - 1/4" Nylock Nut

Frame Stand:

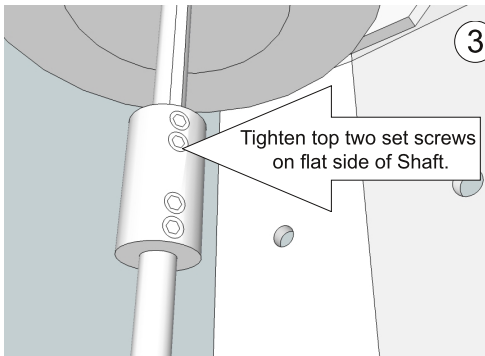
- 16 - 7/16" Hex Bolt
- 16 - 7/16" Finish Nut



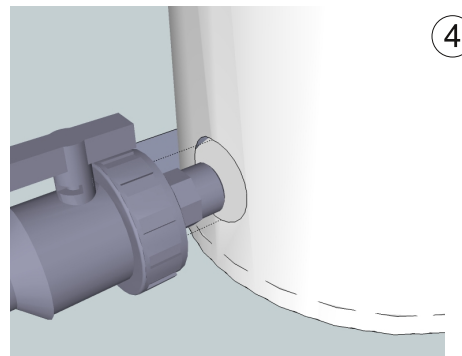
1. Align four holes on Motor & Bracket.
2. Insert nuts & bolts - check tightness.



3. Align four holes on Bracket & Tank.
4. Insert nuts & bolts - longer bolts in top holes

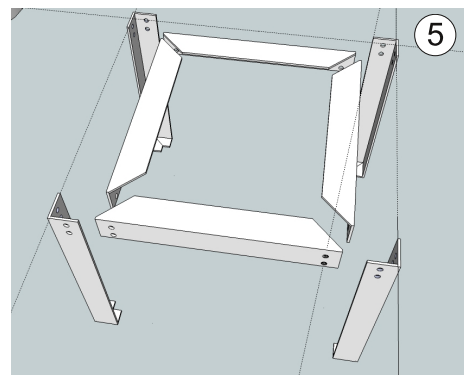


5. Place Mixing Shaft/ Coupler inside Tank.
6. **Attach Coupler to Motor Shaft and tighten top two set screws.**

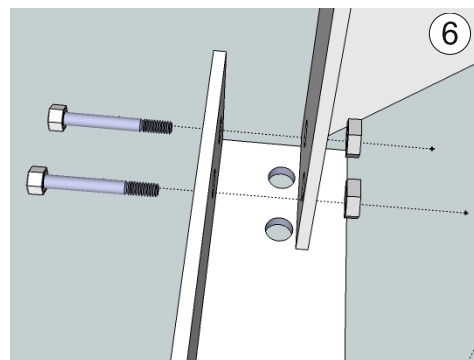


7. **Screw Faucet into hole at base of Tank.**
Be sure faucet is secure to avoid leakage.

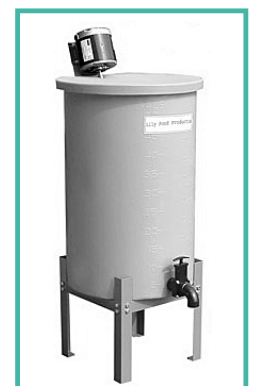
**DO NOT LEAVE
MOTOR RUNNING AT
ANY TIME WHEN
MACHINE IS NOT IN
USE OR
UNATTENDED.**



8. Use a square to correctly position legs at right angles.



9. Check that nuts and bolts are tight.



Ready to Mix!

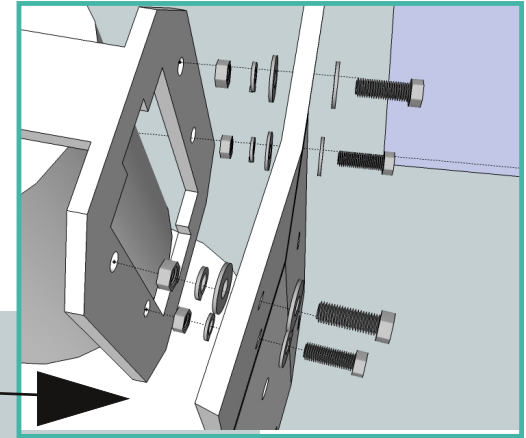
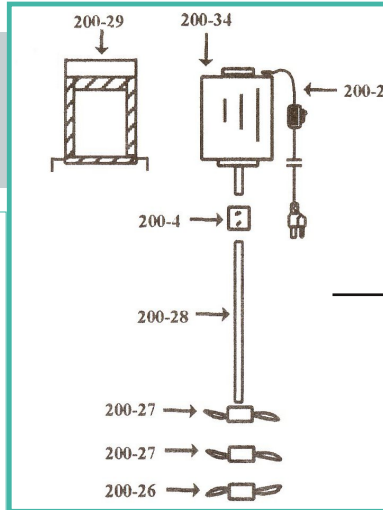
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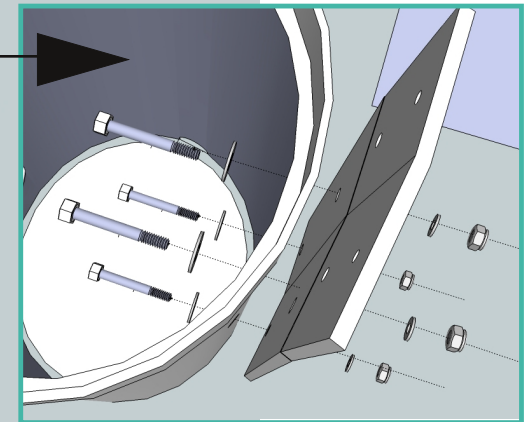
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MIXER RECLAIMER ASSEMBLY

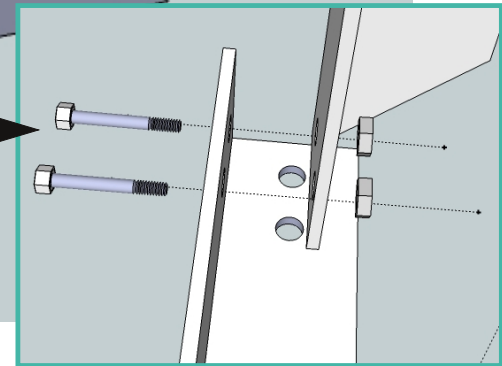
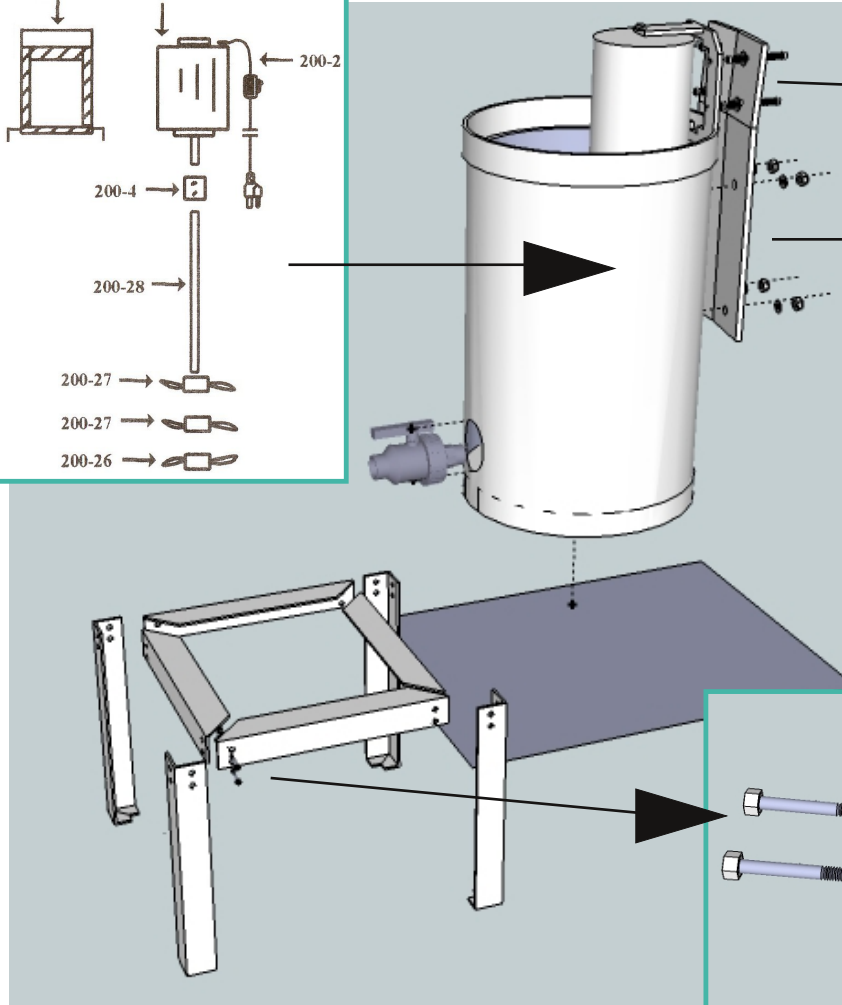
Model:



MOTOR TO BRACKET



BRACKET TO TANK



STAND LEGS TO SUPPORTS

Part#	Qty	Description
200-1	1	1/3 HP DAYTON MOTOR PUMP
200-2	1	10 FT. CORD W/ SWITCH
200-4	1	COUPLER WITH SET SCREWS
200-28	1	1/2"-DIA STAINLESS STEEL SHAFT
200-27	2	TOP MIXER BLADES (AL) – 1/2"
200-26	1	BOTTOM MIXER BLADE (AL) – 1/2"
	1	BRACKET
	4	STAND LEGS
	4	STAND SIDE SUPPORTS
MOTOR TO BRACKET		
25C75HCSZ	4	1/4-20 X 3/4 HEX HEAD BOLT ZINC
25NWUSOZ	8	1/4-USS PLATED FLAT WASHER
25NWSL0Z	4	1/4-SPLIT LOCK WASHER ZINC
25CNFH0Z	4	1/4-20 HEX FINISH NUT ZINC
BRACKET TO TANK		
25C100HCSS	2	1/4-20 X 1 HEX CAP SCREW SS
25C200HCSS	2	1/4-20 X 2 HEX CAP SCREW SS
25N150WFES	4	1/4 X 1 1/2 FENDER WASHER SS
25NWUSOZ	4	1/4-USS PLATED FLAT WASHER
25CNNEOZ	4	1/4-20 NYLOCK NUT
FRAME STAND		
43CNFH0Z	16	7/16-14 HEX FINISH NUT ZINC
43C75BHB0Z	16	7/16-14 X 3/4-HEX BOLT ZINC

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MIXING SLIP WITH LILYPOND MIXERS FORMULA AND INSTRUCTIONS

Models: Mixers, Big Puddle, Super Puddle

**PLEASE READ ALL OF
THE INSTRUCTIONS
CAREFULLY BEFORE
MIXING SLIP!**

Formula:

Dry Clay Blend	Water	Soda Ash (by weight)	Silicate (by liquid volume)
50 lb. Mix	11 ½ Qt.	½ Oz.	2 Oz.
100 lb. Mix	5 Gal. 3 Qt	1 Oz.	4 Oz.

* One 50 lb. bag or Dry Clay is equivalent to 5 gallons of slip.

* For Big Puddle: It is best to start with 300 lbs. of clay for your first time use. Simply multiply above formula by three.

Procedure for Mixing Slip:

Correct measurements are **very important**.

1. Mix Chemicals (Soda Ash, Silicate) and Water together.
2. Add and mix Dry Clay Blend, one bag at a time.
3. Mix until well blended (10 minutes = 50 lb. bag, 30 minutes = 100 lb. bag). **It is not necessary to overmix your Slip. The enzyme in Slip will start to grow quicker if you allow your Slip to set.** It is difficult for this process to start while your Slip is still moving.
4. Let Slip set overnight to soak. Remix in morning (10 minutes = 50 lb. bag, 20 minutes = 100 lb. bag).
5. Weigh one Liquid Quart. Slip should weigh 56 oz. a quart, minus the weight of the container. This is the correct weight for pouring Ceramic, Porcelain, or Stoneware Slip. **DO NOT ADD ADDITIONAL CHEMICALS.** *If the slip is too heavy, add small amounts of water. If the slip is too light, add small amounts of clay.*

Notes:

- New slip can be mixed on top of old Slip. Not need to empty your mixer to mix slip. Remember you can move the propellers up and down on the shaft by loosening the set screws. Be sure to re-tighten them.
- Slip can stored in your **Heavy Duty Mixer** indefinitely. To keep slip from drying out on top, pour a couple cups of water on each drain board so that water will run down and lay on top of slip. This process keeps air from drying out the Slip. *(This procedure is similar to the one used in preserving jelly by sealing it with wax.)* For the **6 Gallon Mixer**, turn faucet to off position to close. Pour a cup of water on top of your slip and cover with a plastic drop cloth.
- The amount of water you should use will be determined by: 1. The length of time unused, 2. The humidity, and 3. The temperature.