



Waterless Solutions

Replacing the Mixer Shaft

Models: Basic, Standard

Tools Required: Phillips Screwdriver, Standard Screwdriver, Small Punch or nail

1. Disconnect the vent pipe from the back of the unit.
2. Lift the front of the unit and pull it away from the wall.
3. Remove tray door and shut off valve on the tray by turning the handle perpendicular to the drain tube (Basic model only).
4. Replace tray door.
5. Disconnect drain tube from outside of unit (Basic model only).
6. Remove unit from building.
7. Remove tray door.
8. CAREFULLY disconnect drain tube from tray.
9. Empty tray into approved container. (Note: Waste may not be completely composted.)
10. The shear pin must be removed by tapping it out with a small punch or nail and the handle has to be taken off.



11. Remove the thermostat knob by gently prying upward with a standard screwdriver (Standard model only).

12. Remove the four Phillips screws (2 in front and 2 in rear) holding top of the toilet and remove the top by lifting on the front and then on the rear of the top. The top may stick slightly due to silicon sealant used in production.



13. Thoroughly clean out unit into approved container and rinse.
14. Remove 4 screws from the top of the gearbox being careful not to lose nylon spacers.



15. Remove top plate of gearbox and nylon spacers.



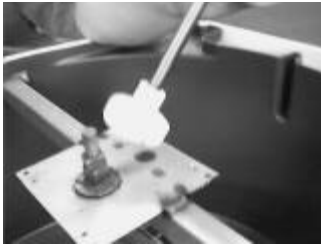
16. Remove large gear by pulling upward while pushing downward on the center shaft.



17. Remove smaller gear below large gear by lining up square on inner shaft with square in gear and sliding gear up.



18. Remove mixer handle shaft and gear assembly.



19. Lift shaft and tilt toward rear of machine.



20. Slide lower mixing arm and nylon cover off of shaft.

21. Remove split nylon washer.



22. Slide upper leveling arm off shaft while removing shaft.



23. Insert new shaft through hole in gear box plate.

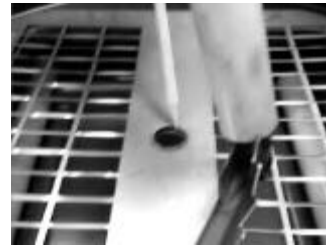
24. Slide upper leveling arm over shaft (arm with no teeth) with flat side of arm up.

25. Replace split nylon washer.

26. Replace nylon sleeve.

27. Lean shaft top toward the front of the unit and slide on lower mixing arm (arm with teeth). Make sure teeth are facing upward.

28. Insert bottom of shaft into hole in grate.



29. Make sure shaft sits all the way down so upper ring on shaft is seated on lower plate of gearbox.

30. Align square parts of inner and outer shaft and slide smaller gear over squares. Ensure it is all the way onto the lower square.

31. Replace mixing handle shaft and gear assembly removed in step 18.

32. Replace large gear removed in step 16, ensuring it is seated all the way down on the square part of the shaft.
33. Replace upper plate of gearbox removed in step 15.
34. Place nylon spacers between plates removed in step 15.
35. Replace screws in gearbox, ensuring they pass through the nylon spacers.
36. Replace top of unit and 4 screws.
37. Place mixer handle over shaft and align holes in shaft and handle.
38. Lightly tap shear pin into handle and shaft.
39. Reinstall unit in bathroom.
40. Reinstall drain tube and open valve on tray.
41. Fill unit with 16 quarts of starter mulch.