

## Replacing the Mixer Motor

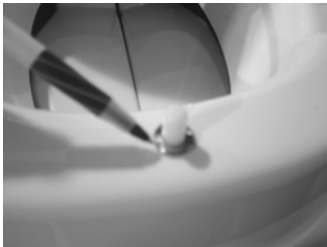
Models: 20 Deluxe

Tools Required: Phillips Screwdriver, Standard Screwdriver, Pliers

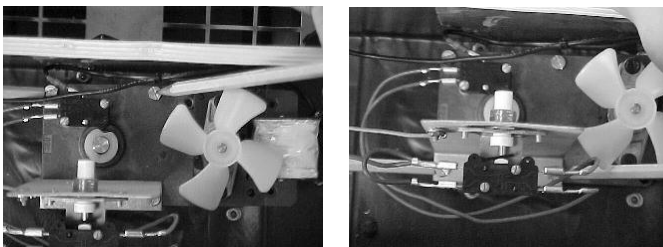
1. Unplug the electricity.
2. Disconnect the vent pipe and lift slightly on the front of the unit and pull the toilet forward.
3. Unscrew the retaining nut from the switch behind the seat and push the switch inside the unit.



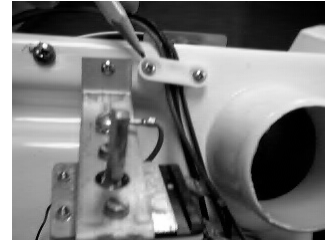
4. Remove the thermostat knob by gently prying upward with a Standard screwdriver.
5. Unscrew the compost cover retaining nut by using a standard screwdriver and turning the nut counter-clockwise. Remove the top by lifting on the front of the top while pushing in on the switch. Once the switch has cleared the hole in the top, lift on the rear of the top. The top may stick slightly due to silicon sealant used in production.



6. Remove the four mounting screws from the mixer motor.

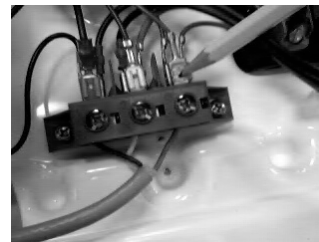


7. Remove wire clamp at the top of the cassette by removing 2 Phillips screws.



8. Unplug wires to the mixing motor (that were under the clamp removed in last step) from terminal block noting position of each wire using the chart below.

Note: Needle nose pliers and a slight side-to-side wiggle of the wire may be required as the connectors may fit tightly. DO NOT USE A FORWARD AND BACK WIGGLE. THIS MAY BREAK THE TERMINAL.

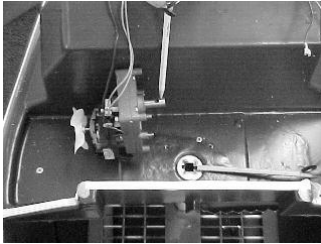


Terminal #	Wire Color
1	
2	
— —	

Write the appropriate wire color in the respective block as you remove the wires

9. Carefully lift the mixer motor from the unit.
10. Align mixing arms as follows:
  - a. If the indentation on the cam on top of the gear box is toward the lower switch, align upper mixing arm to the left of the unit while facing the unit from the front.
  - b. If the indentation on the cam is facing away from the motor, align the upper mixing arm toward the front of the unit.
  - c. If the indentation on the cam is facing away from the switch, align the upper mixing arm to the right of the unit while facing the unit from the front.
  - d. If the indentation on the cam is facing the motor, align the upper mixing arm to the back of the unit.

11. Install the new mixing motor with the motor toward the rear of the unit, when facing the unit from the front.
12. Ensure that the shear pin on the bottom shaft of the motor slides into the slot in the mixer shaft.



13. Reinstall mounting screws that were removed in step 6.

14. Reconnect the wires from the mixer motor to the terminal block using the chart in step 7
15. Put the top back on and connect the nut holding the micro switch.
16. Put the toilet on place and reconnect the vent pipe.
17. Plug the unit into a 120V AC outlet and test the operation.

**BioLet Deluxe Wiring Diagram**

