Forté Transmission Troubleshooting

*** Be sure to have a soft work surface like a towel to prevent the polished casing from being scratched***

*** Read entire document **before** removing motor***

Tools Required:

Standard Phillips screw driver, Offset ratchet Phillips screw driver, Baratza calibration tool or 2mm Allen wrench

Procedure:

-Case Removal-

1. Clear beans out of the hopper and run the unit briefly to clear any leftover beans from between the burrs.
2. UNPLUG GRINDER
3. RAISE BOTH LEVER ARMS ALL THE WAY TO THE TOP
4. Remove the 2mm case screw on the top rear of the casing, using our calibration tool

5. Invert the grinder. Using side cutters, remove the rear two feet (ONLY THE REAR FEET)

6. Remove the Philips self-tapping screws from beneath the rear two feet.

7. Place the grinder right side up and pull the case off from the rear.

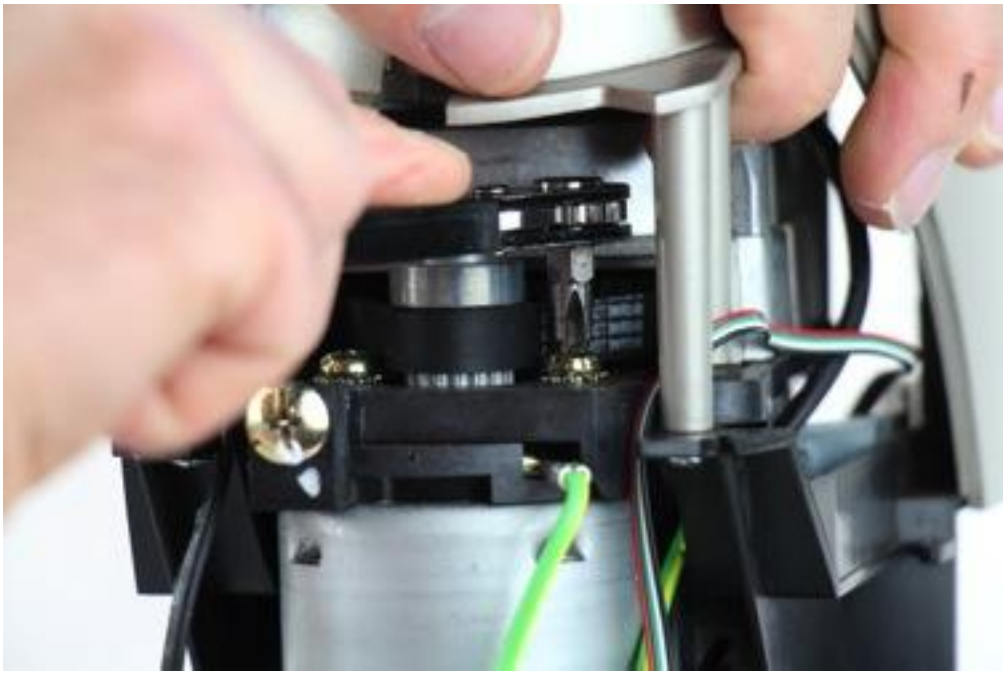
With the casing removed, reinstall the hopper and plug in the grinder. Press TIME, M, then START. The motor should power on. If the motor powers on and is spinning, but the belt/pulley does not spin, then your pulley set screw needs to be reset. The motor must be removed to reset the set screw.

-Motor Removal-

1. Mark the motor tension screw and motor tension plate with a light colored paint pen for rotation reference. This step is crucial for achieving proper belt tension after re-installation.

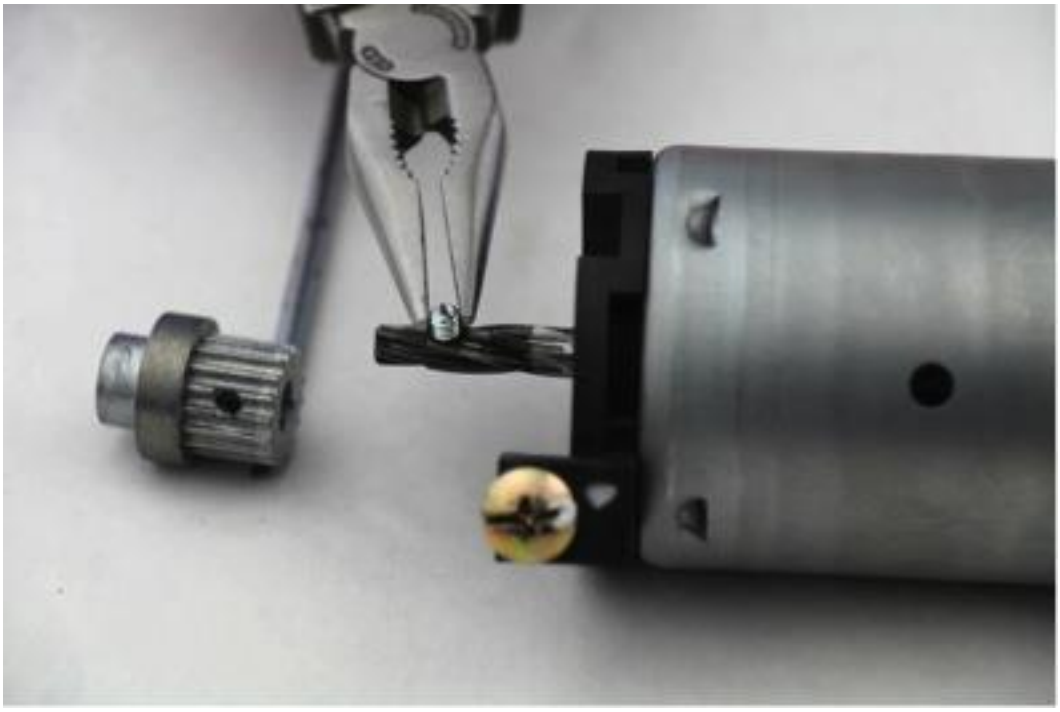
2. Rotate the screw exactly 1080 degrees (three full rotations) counterclockwise when loosening.

3. Loosen the motor tension screw, but do not remove it from the tension mount.
4. Remove the two Phillips motor mount screws (#1291) holding the motor in place using the offset Phillips ratchet.



5. Unplug the motor from the main power board.

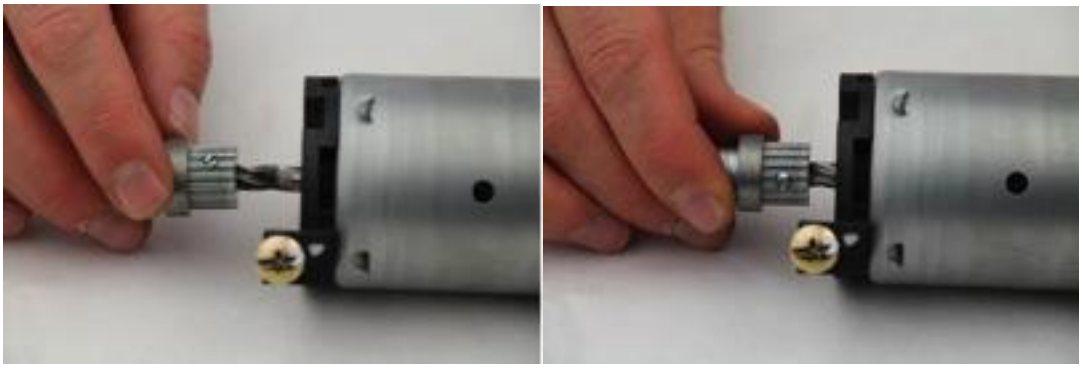
6. Remove the old set screw from the pulley and inspect it. Replace if the tip is damaged. Leverage the pulley on the edge of secure surface, apply direct pressure so as not to slip while removing the set screw.



Once placed into the pulley hole the set screw will ride in the valley of the shaft as pictured above.

7. Place a drop of Loctite or equivalent thread locking adhesive on the set screw. Tighten the set screw until you can see the tip emerge on the inside of the drive pulley.

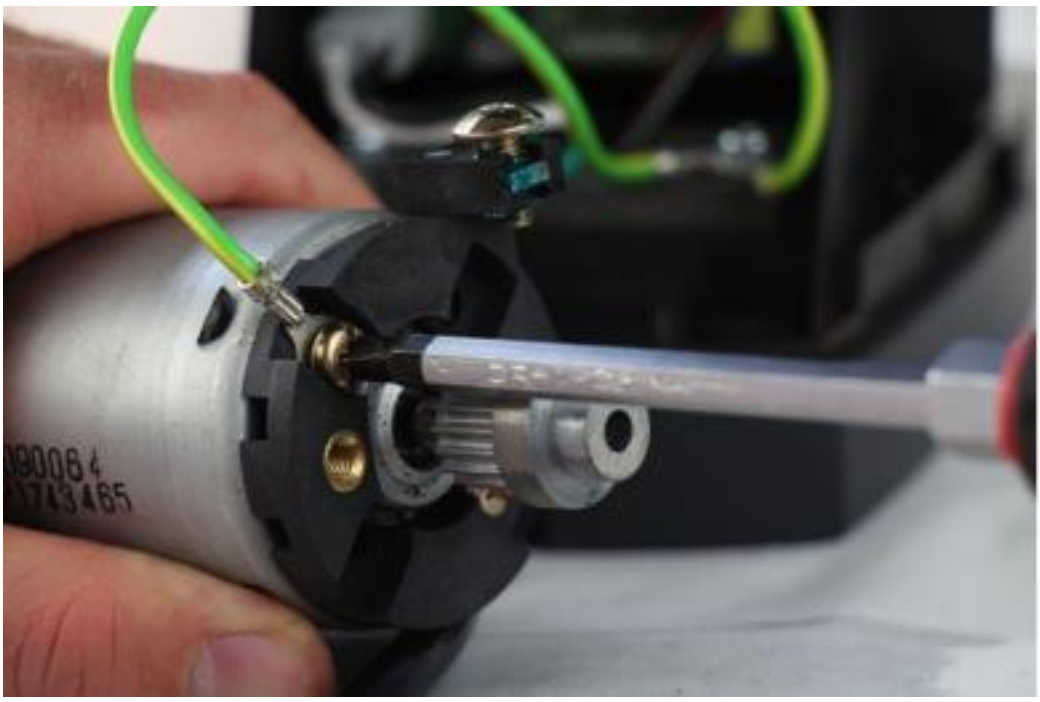
8. Slide the pulley on to the motor. The tip of the set screw should catch in the grooves of the motor shaft, causing the pulley to rotate slightly as it is pressed on.



9. Tighten the set screw as much as possible. **Apply direct pressure while tightening to avoid slipping or injury by a blunt object.**

-Reinstall Motor-

1. Plug the new motor into the main power board.
2. Attach the green ground wire to the screw hole directly right of the tensioning screw.



3. Insert the Phillips motor mounting screws and hand-tighten. You may need to use the offset ratchet to get the screws in far enough. (Do not completely tighten so motor tension can be adjusted.)
4. Tighten the motor tension screw to the same gap measured before disassembly. Before tightening apply Loctite to the screw (finger nail polish can be substituted for Loctite.)
5. Tighten the two Phillips motor mounting screws completely.
6. Reinstall the case.

If you have any questions or concerns, please email support@baratza.com or call at 425-641-1245.