

Motenergy Motor Timing

The following instructions were provided by Motenergy for the ME1003 brushed motor, but are relevant for some of their other brushed motors as well.

The ME1003 will run in the CW direction if the terminals are reversed, but the efficiency will not be as good. If it's required to run in the CW direction as the primary direction, the brush timing should be adjusted.

To adjust the timing:

- 1) Remove the 4 phillips head bolts on the back cover (black stamped steel). Then, tap off the cover.
- 2) You will then see that the top aluminum casting which holds the Brush Holder is held to the motor with 4 bolts, M10 head. These bolts are in a slot in the casting, and the bolt is rotated all the way to one side of the slot.
- 3) Loosen the bolts, and rotate the casting the opposite direction for CW rotation to get the best efficiency at 200 amps continuous.