

Topic: How to Test a Pizza Oven Gear Motor Using a Cordless Drill.

1. Remove the chain from the motor
2. Connect the motor to a cordless drill battery (hopefully 18v or more)
3. Fuse the battery, to be safe and not to hurt the battery (if you should short the wires).
4. The motor will turn fairly slow but this will show if the motor works with a pure DC voltage, that is at the lower end of the motors voltage range.

If the motor does not turn:

1. Examine the ends of the brushes for burning.
2. If the motor is overloaded it can leave a burnt spot on the rotor commutator and the brush ends.
3. Sometimes new brushes will fix this problem. Try changing the brushes.

Photo image of the original email is below, which documents the author and origination date

From: Charles CTI <info@cyb-tec.com>
Sent: Thursday, July 02, 2015 1:18 PM
Subject: Re: CTI-M-0011

Jonathon

Sometimes motors are misdiagnosed.

1. Have him remove the chain
2. Connect the motor to a cordless drill battery (hopefully 18v or more) For liability purposes: You may recommend that he fuse the battery, to be safe not to hurt the battery (if he shorts the wires).
3. The motor will turn fairly slow but this will show if the motor works, with a pure DC voltage, that is at the lower end of the motors voltage range.

If it does not turn....

Examine the ends of the brush for burning. If the motor is overloaded it can leave a burnt spot on the rotor commutator and the brush ends. Sometimes new brushes will fix this Try changing the brushes.

On 7/2/2015 12:39 PM, Jonathan wrote:

