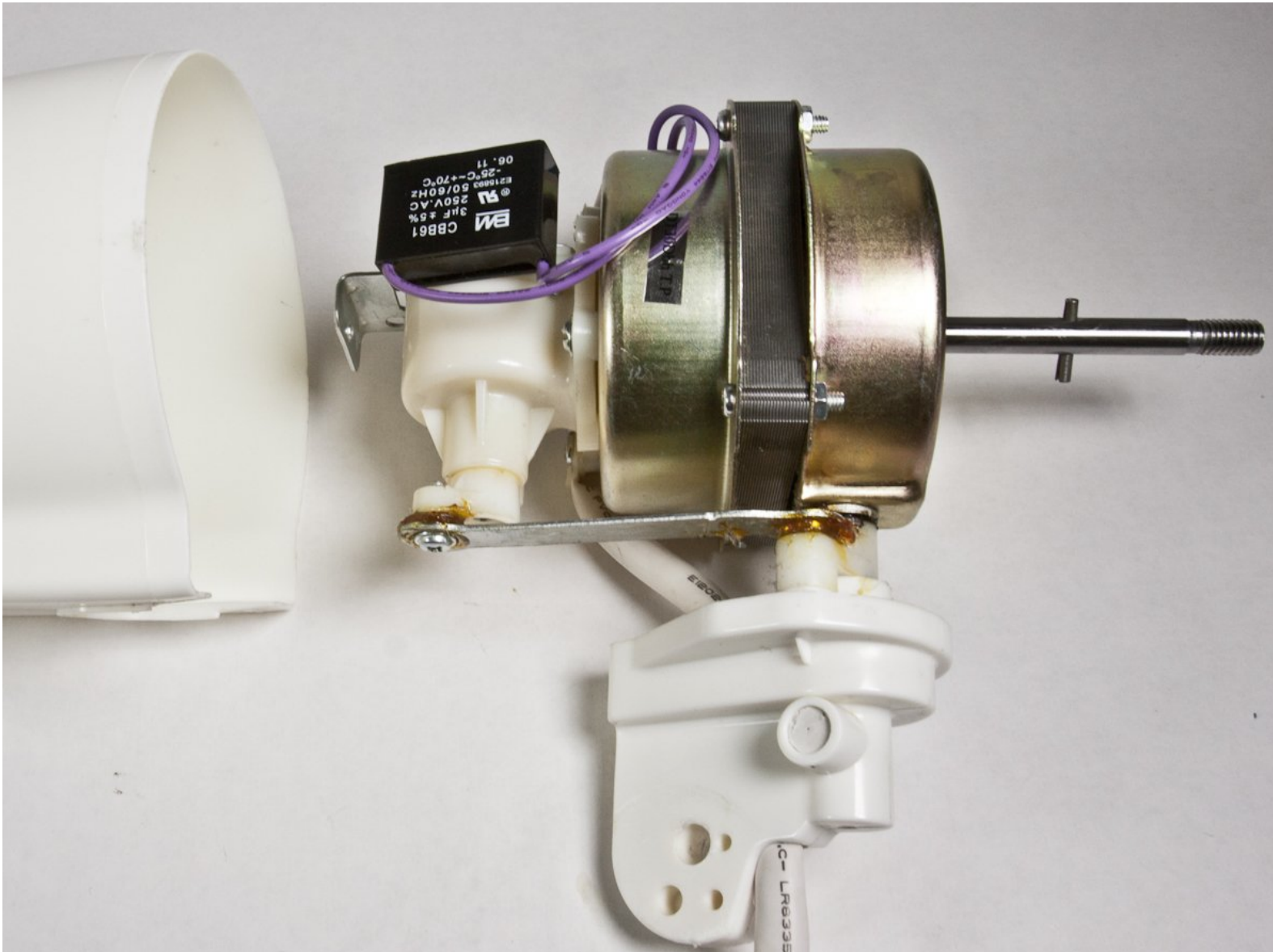




# GD Midea FT30-3D Motor Replacement

Installing the motor.

Written By: Alan Su



---

## INTRODUCTION

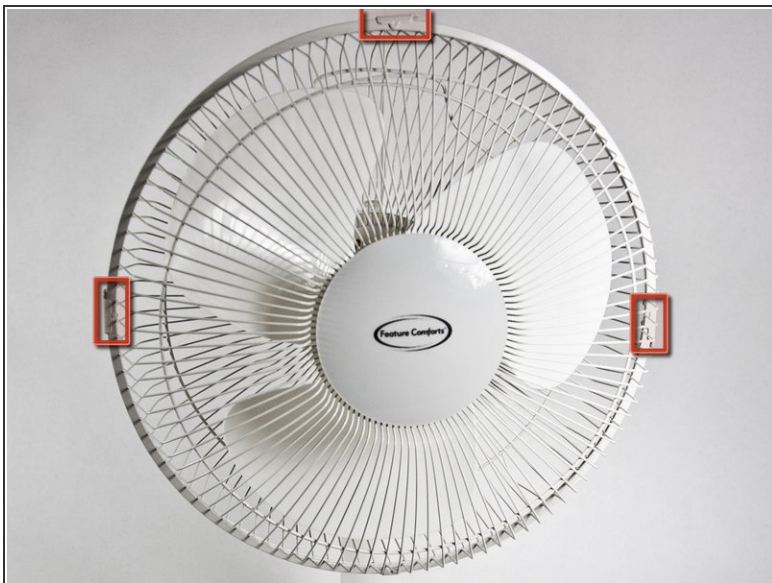
This installation guide will demonstrate how to remove all of the components around the main fan blade motor.



### TOOLS:

- [Phillips #2 Screwdriver](#) (1)
-

## Step 1 — Fan Blades



- Release the 3 clips that attach the front fan guard to the rear fan guard.

**i Notice:** The lower connecting bracket is NOT a clip. It acts as a mounting alignment bracket for the front fan guard.

## Step 2



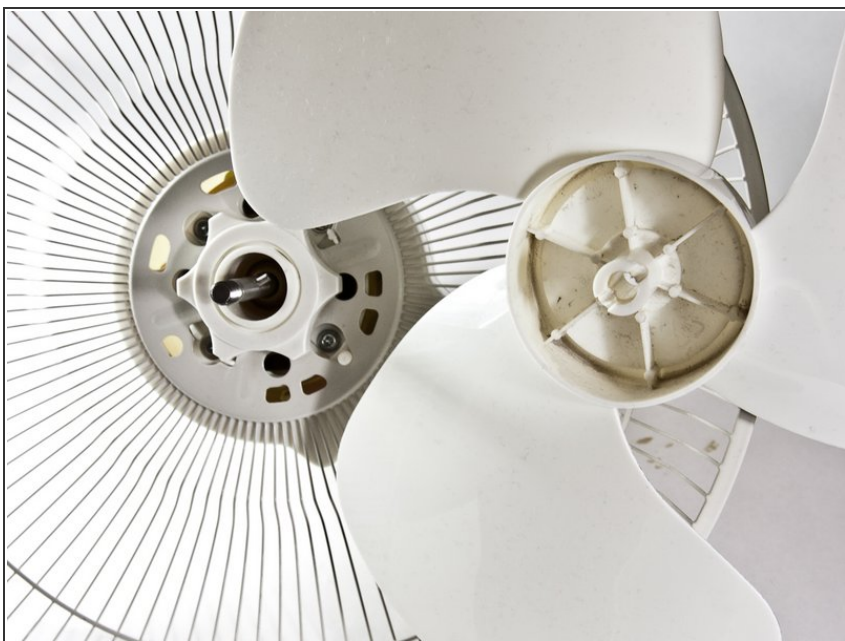
- Pull the front fan guard off.

### Step 3



- Remove the spinner from the center of the fan blade.

### Step 4



- The fan blades should now be easy to lift up.
- When reassembling the fan make sure the notches in the center of the fan blade line up with the protrusions in the motor's shaft.



## Step 5 — Oscillation Mechanism



- Remove the rear fan guard by taking off the plastic nut that holds the rear fan guard to the upper assembly.
- ⓘ The plastic nut needs to be twisted off; like a screw.

## Step 6



- Remove the screw at the center of the oscillator knob and remove the oscillator knob.
- If the oscillator knob is clean and undamaged then the problem is with the oscillator. If the knob is damaged replace it and test your fan before proceeding forward in the guide.

## Step 7



- Remove the front motor housing by removing 4 screws.

## Step 8



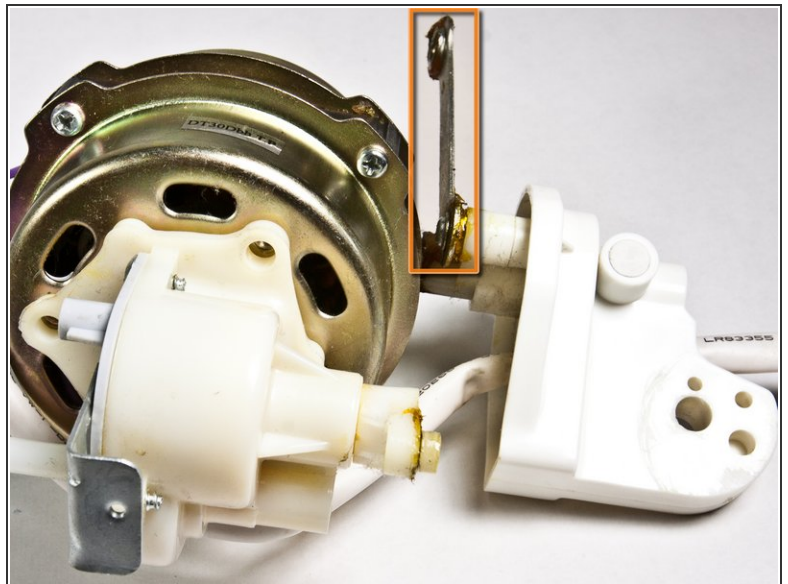
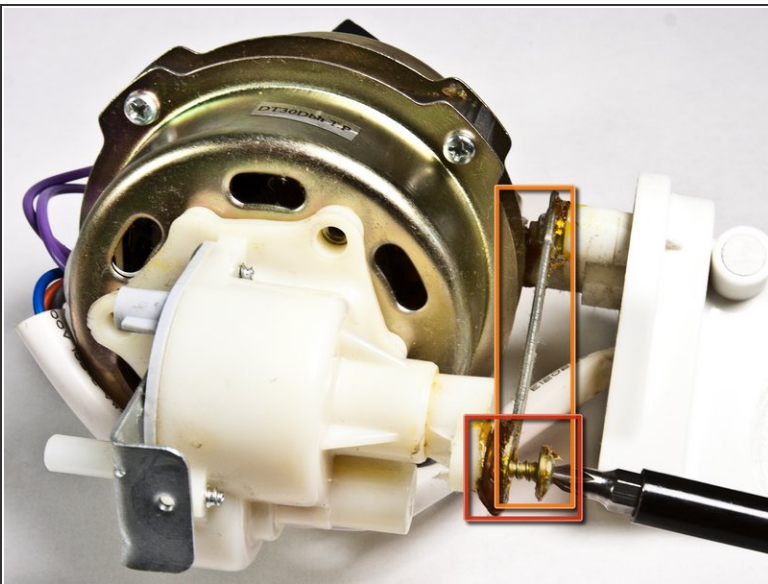
- The main motor housing can be taken off by removing a single screw at the back of the upper assembly.

## Step 9



- There is a capacitor attached to the oscillator by a single screw. Once the screw is removed the capacitor should come off easily.

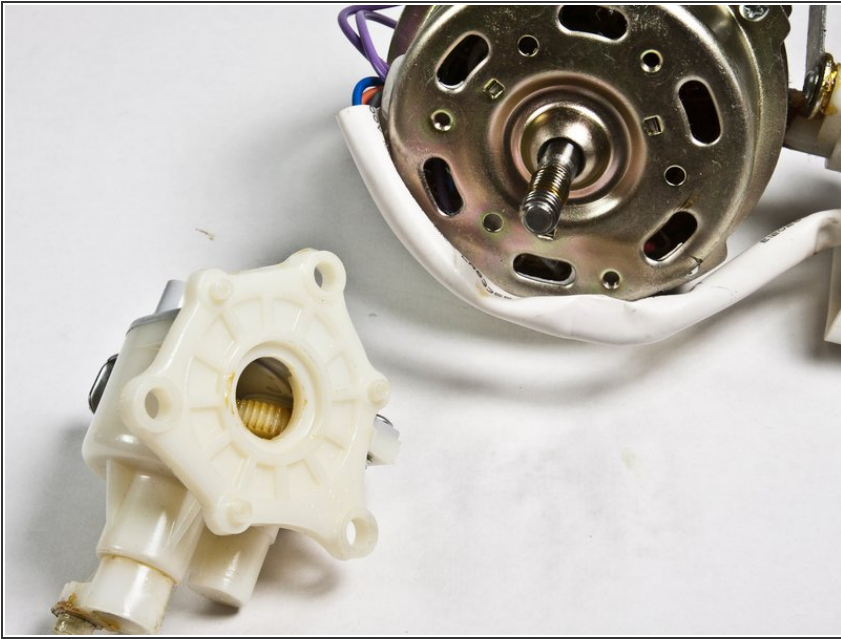
## Step 10



- Remove the screw that connects the oscillator to the rocker arm.
- Push down on the rocker arm after removing the screw and turn it away from the oscillator.

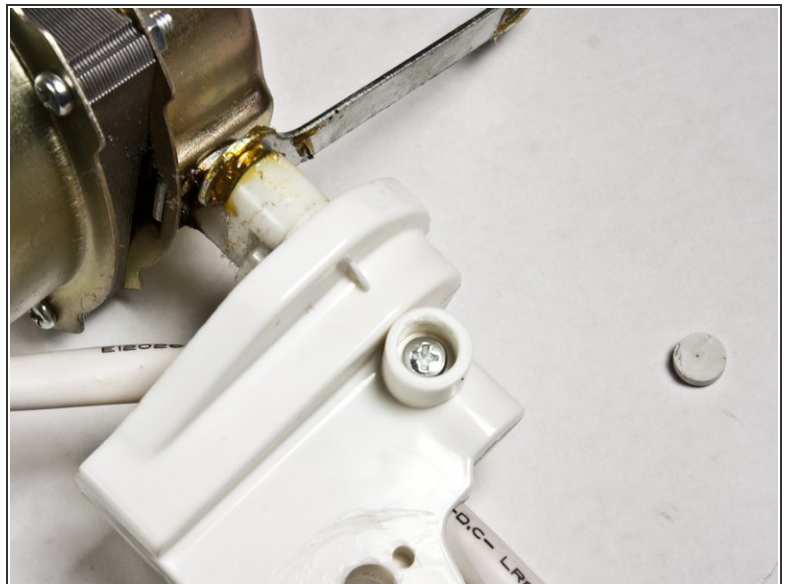
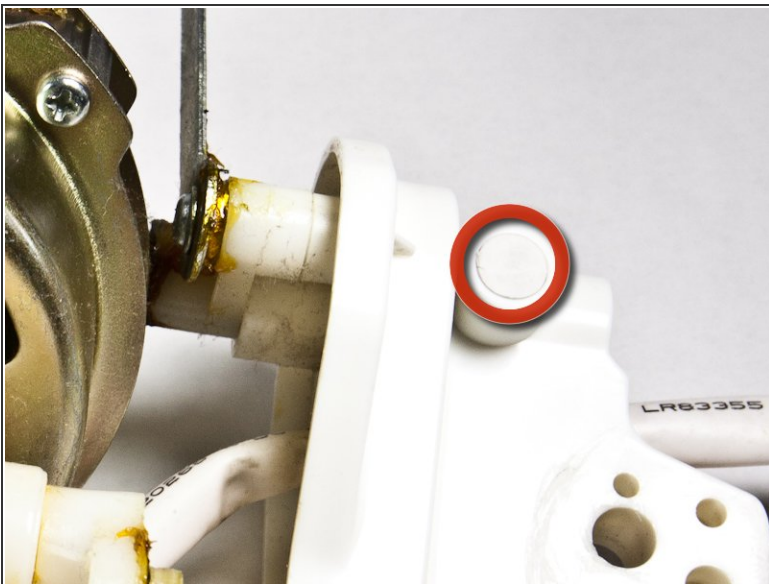


## Step 11



- The oscillator should now be easy to pull off.
- Clean the oscillator and remove any jams. If the problem persists the oscillator is damaged and needs to be replaced.

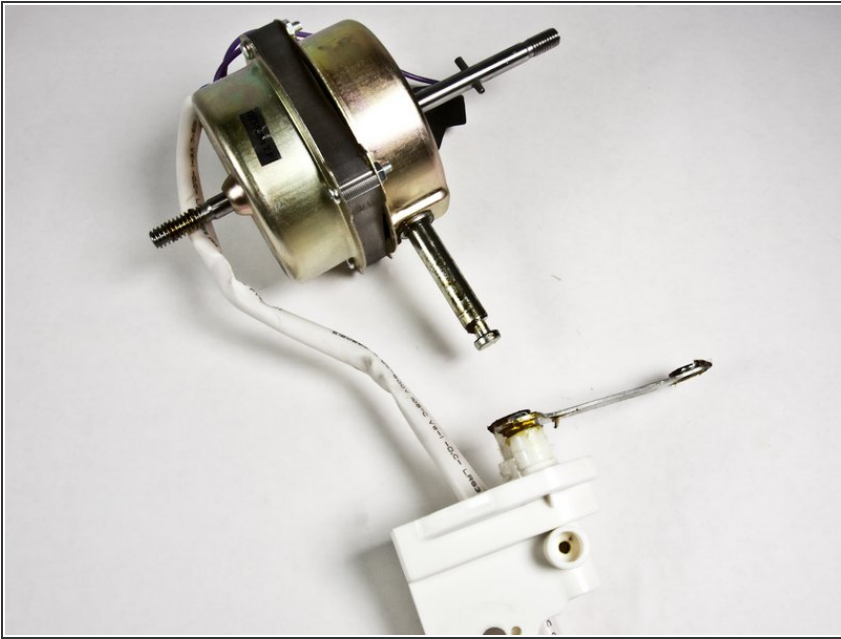
## Step 12 — Motor



- At the base of the upper assembly there is a plug which conceals a screw.
- The plug can be removed with a screwdriver. Removing the plug may take a few attempts.



## Step 13



- Slide the motor out of the base of the upper assembly.

To reassemble your device, follow these instructions in reverse order.