Insignia NS-F12R6-SS Motor Housing Replacing

This guide will show you how to remove the motor housing on your Insignia NS-F12R6-SS fan.

Written By: Hank

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INTRODUCTION

Removing the motor housing provides access to all of the fan's internal workings.

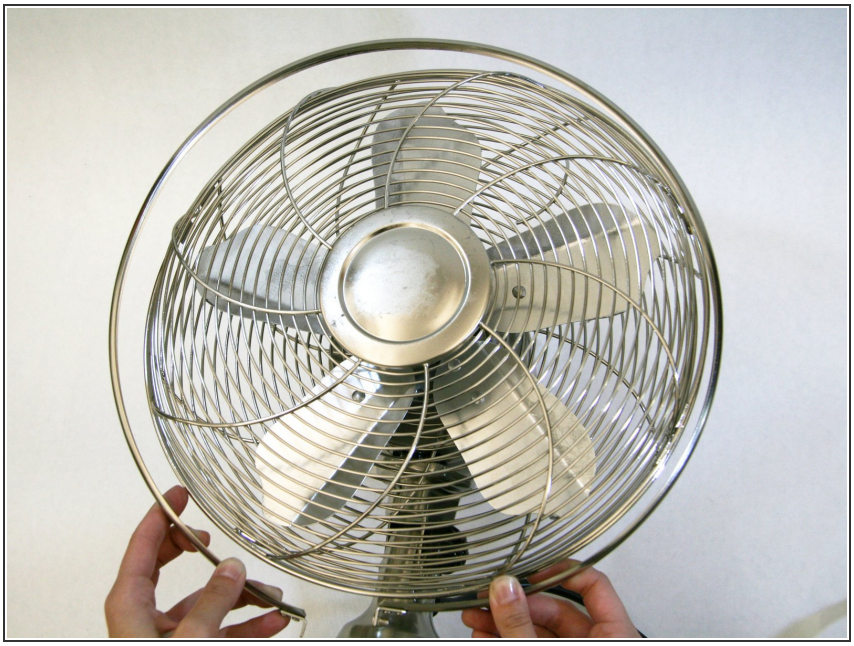
TOOLS:

- Phillips 3 Screwdriver (1)
- 7/16 Crescent Wrench (1)

Step 1 — Front Cage

- Unplug your fan.
- Remove the 20 mm bolt that fastens the fan ring located at the bottom of the fan cage with a Phillips #3 screwdriver.

Step 2



- Remove the ring that runs around the edge of the fan cage.

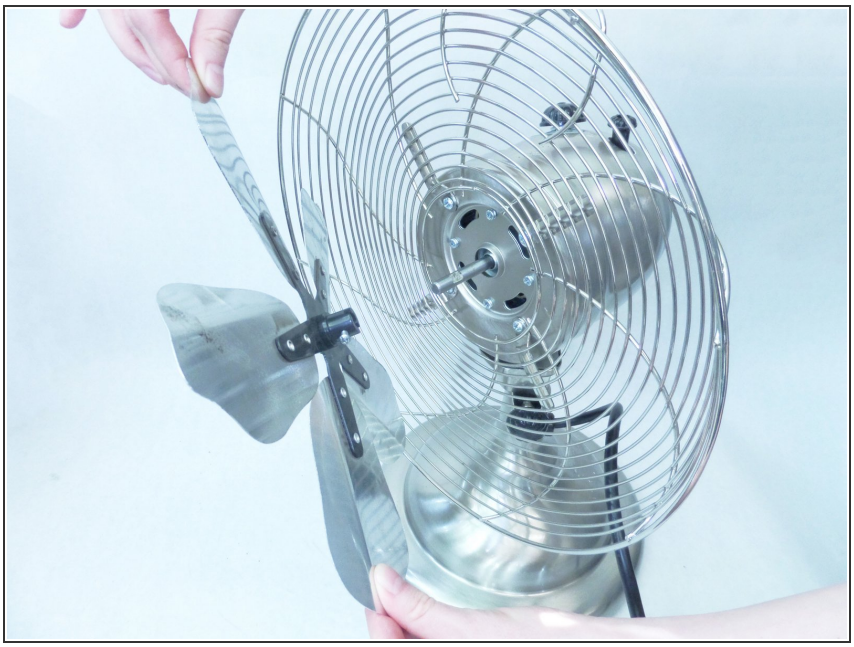
Step 3

- Remove the front of the fan cage.

Step 4 — Fan Blade

- Remove the 8 mm bolt fastening the fan blades to the rotor with a Phillip #3 screwdriver.

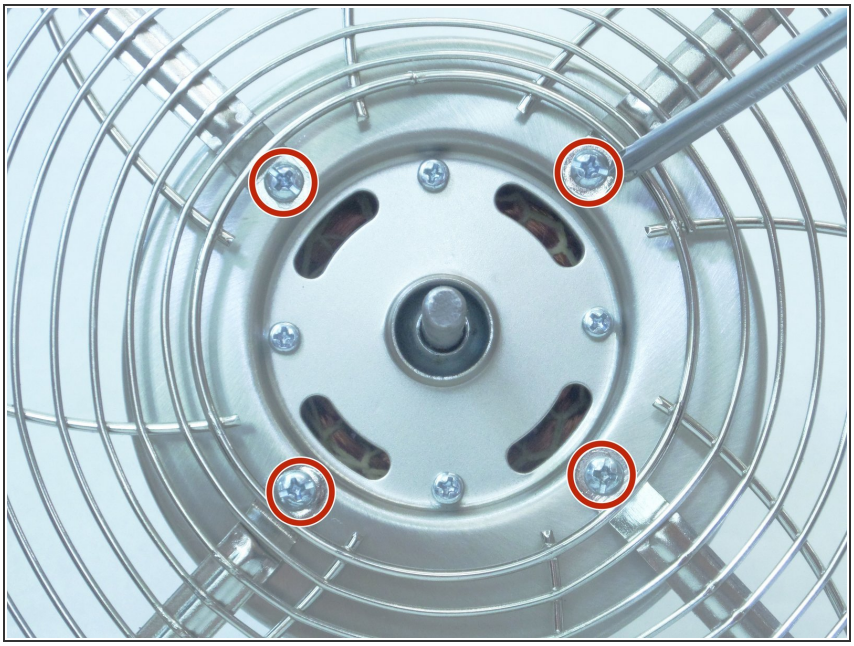
Step 5



⚠ Take caution when removing the fan blades. They can be sharp!

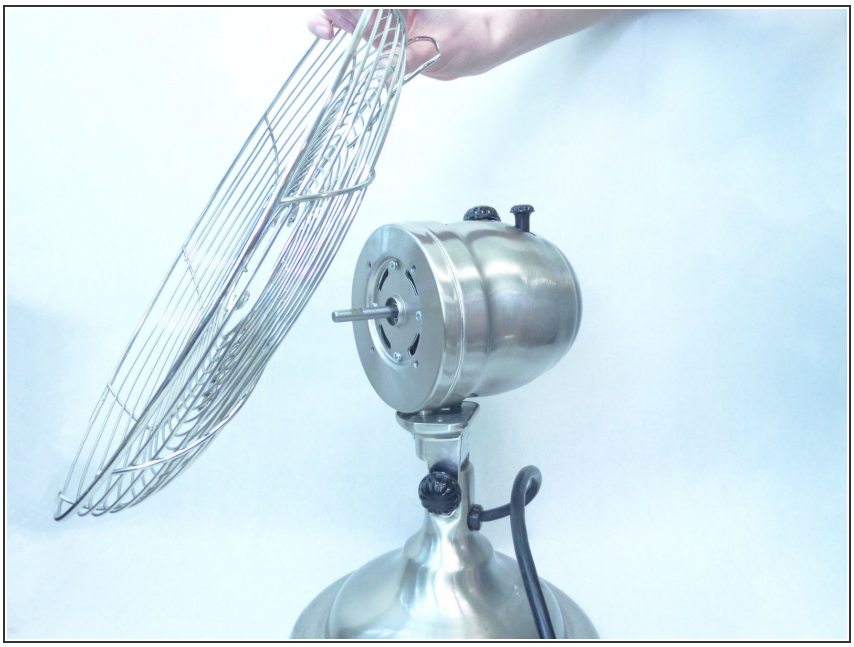
- Slide the fan blade off the end of the rotor.

Step 6 — Back Cage



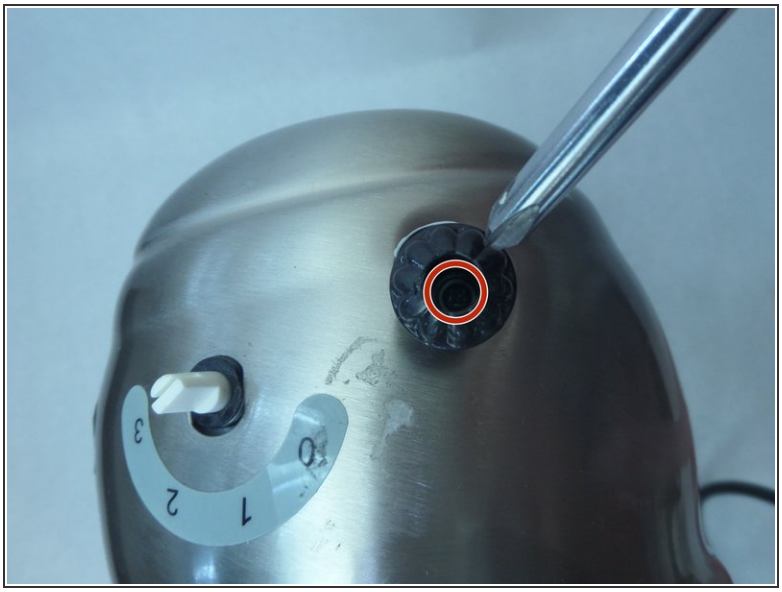
- Unscrew the four 8 mm bolts that fasten the back of the fan cage back to the motor housing with a Phillips #3 screwdriver.

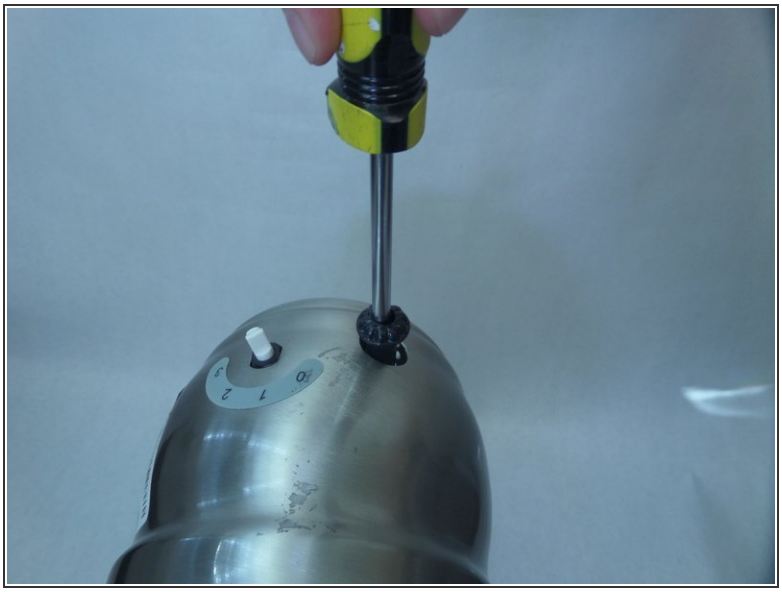
Step 7



- Pull the back cage off.

Step 8 — Oscillation Button





- Unscrew the 10 mm screw in the center hole of the oscillation knob with a Phillips #3 screwdriver.

Step 9

- Remove the oscillation knob.

Step 10 — Motor Housing

- Use your fingers to gently pull the power knob directly away from the motor housing.

Step 11

- Unscrew the flat 17 mm nut fastened at the bottom of the power knob with a small crescent wrench.

Step 12

- Remove the four 6 mm bolts and small washers that secure the front face of the motor housing with a Phillips #3 screwdriver and remove the washers.

Step 13

- Pull the front face of the motor housing off toward the front of the rotor.

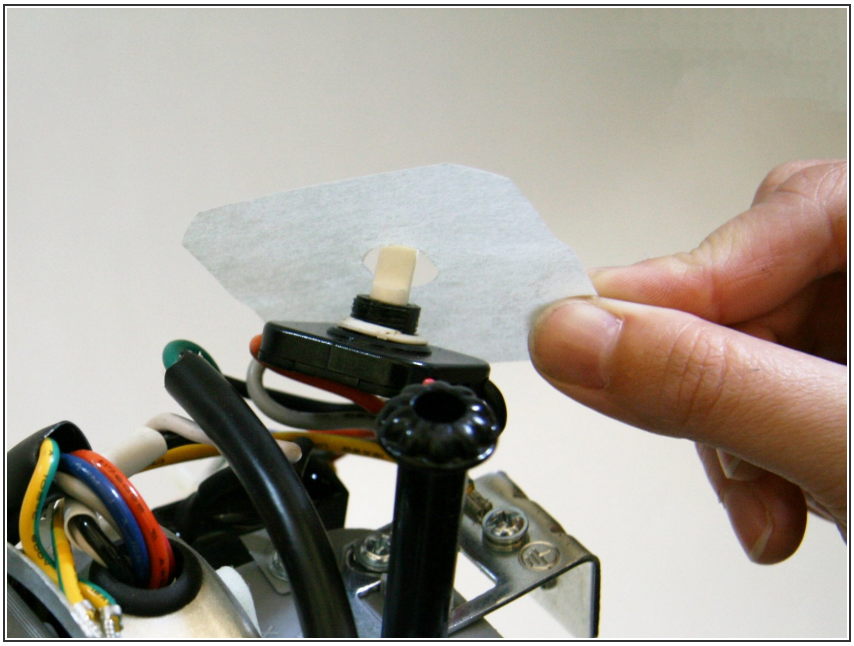
Step 14

- Remove the 10 mm triangular-headed bolt with a Phillips #3 screwdriver.

Step 15

- Slide the back end of the motor housing away from the front of the rotor.

Step 16



- Remove the small piece of paper hanging on the power button.

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