



How to Fix a Wobbly Westinghouse 12-inch High Velocity Fan

Get rid of floor fan wobble by tightening the set screws on the impeller assembly of a Westinghouse 12" High Velocity Fan.

Written By: Muhammad Ali Malik



INTRODUCTION

This guide will show you how to fix a wobbly Westinghouse 12" High Velocity Fan. Oftentimes, the set screws can become loose on the impeller assembly. This can lead to unwanted wobbling but also puts the fan under the danger of coming apart, so it is best to address the issue sooner rather than later.

Luckily, this guide only requires a screwdriver and walks you through every single step on how to carefully disassemble your fan and tighten the set screws to ensure your fan runs as good as new.

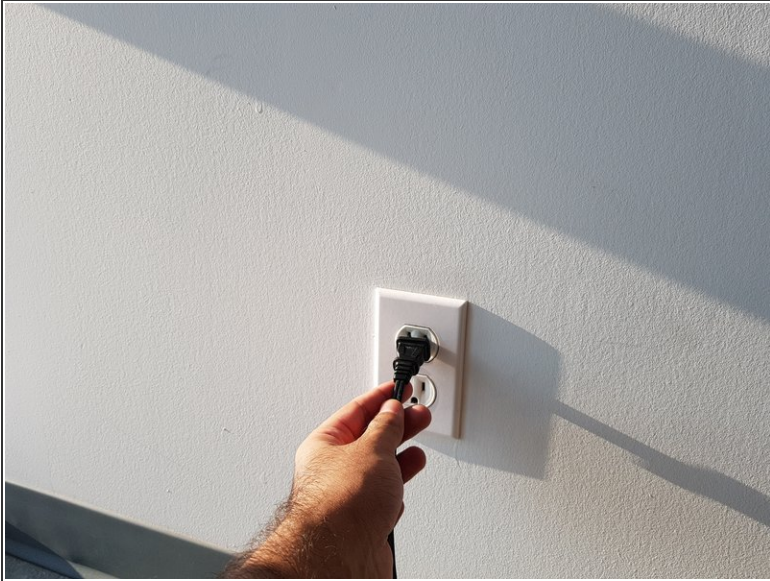
Preparation is key when it comes to a smooth repair process. It is important to have a well-lit environment and a sturdy surface, such as a table. It may help to place a cloth underneath the fan to collect any debris that may come off the grille or the blades.



TOOLS:

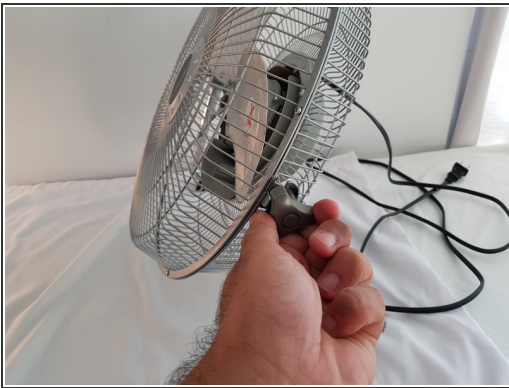
- [Phillips #2 Screwdriver](#) (1)
-

Step 1 — How to Fix a Wobbly Westinghouse 12-inch High Velocity Fan



- Prior to starting, turn off and unplug the fan.

Step 2



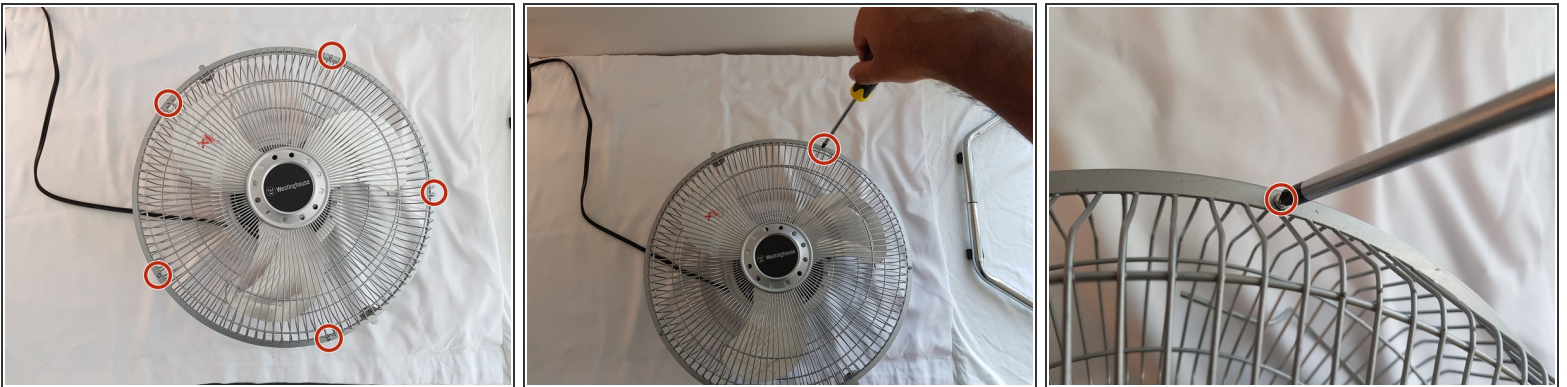
- Remove the clamp on one side of the fan by turning it counterclockwise.
- When the clamp is loose enough to be removed, hold the fan cage with your other hand to prevent it from falling right off.
- Repeat the above process for the other clamp.

Step 3



- Separate the base from the cage of the fan.

Step 4



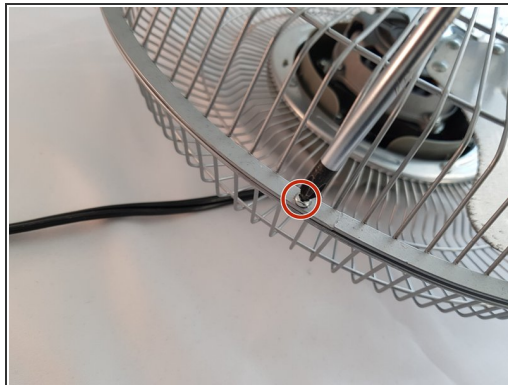
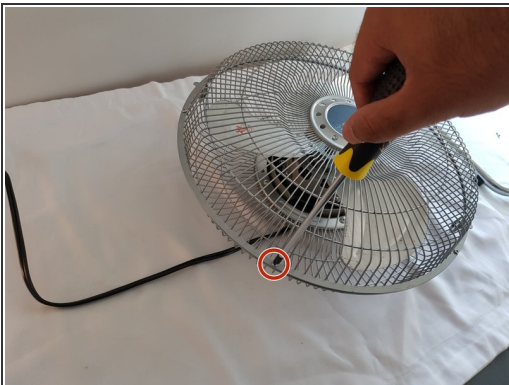
- Place the fan on the tabletop so that the front grille is facing you.
- Identify the location of the five screws.
 - ⓘ This step is crucial because we will want to unscrew the grille diagonally.
- Unscrew any one of the screws using a Phillips #2 screwdriver.
 - ⓘ It might also help to hold the fan down with your other hand to avoid movement.

Step 5



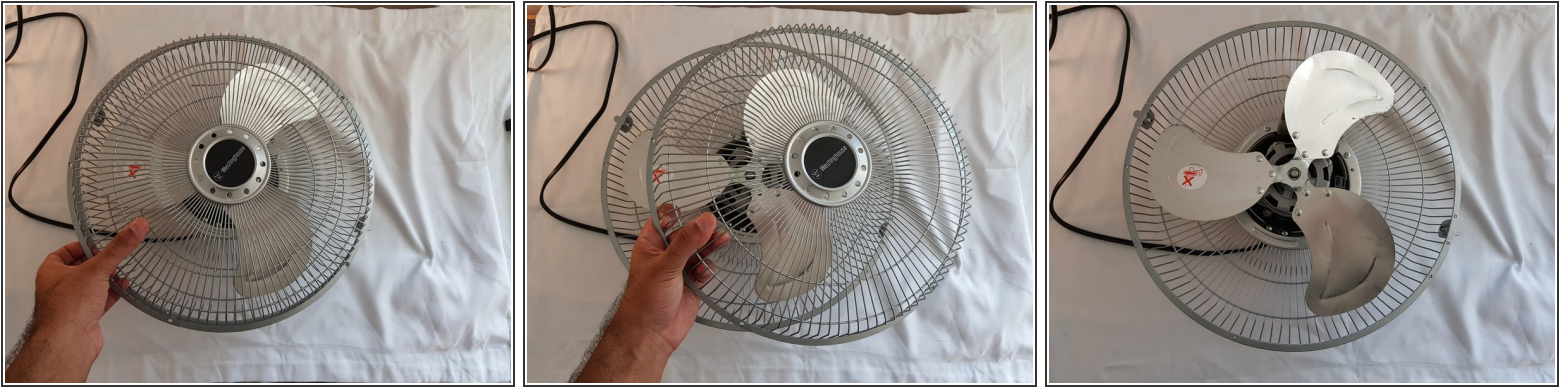
- Push up the screw from the bottom to pop it out.

Step 6



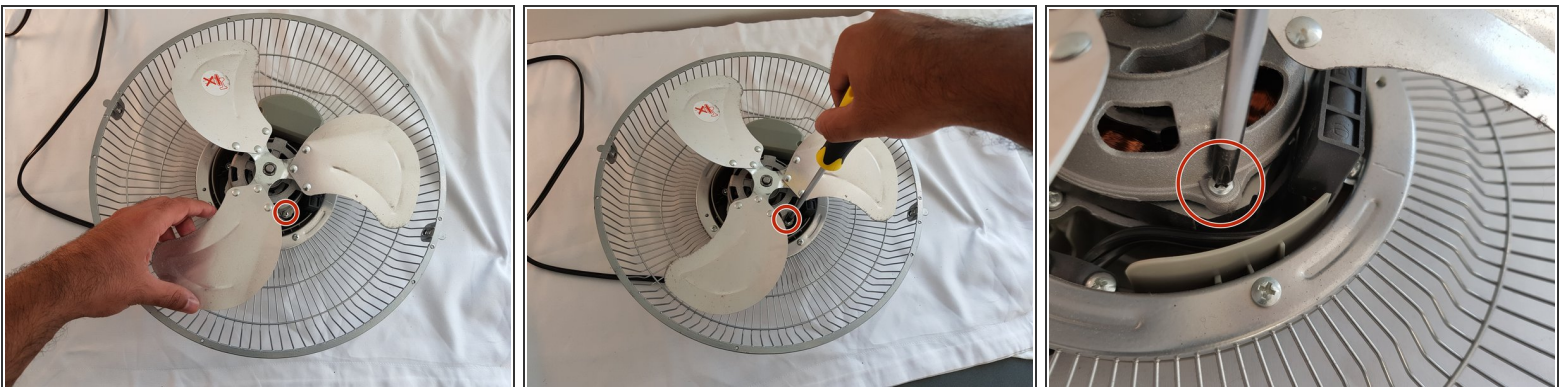
- Unscrew the screw located diagonally across from the previous one using a Phillips #2 screwdriver.
 - ⓘ Diagonally across ensures that the front grille does not experience unequal pressure to help its shape stay intact.
- Repeat the process for all of the screws.

Step 7



- Remove the front grille from the fan.

Step 8



- Expose the four screws on the impeller assembly by turning the blades.
- Pick one screw and tighten it a small amount by rotating the screw just once with a Phillips #2 screwdriver.

Step 9



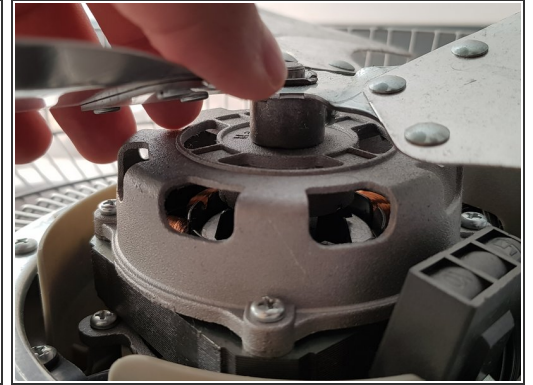
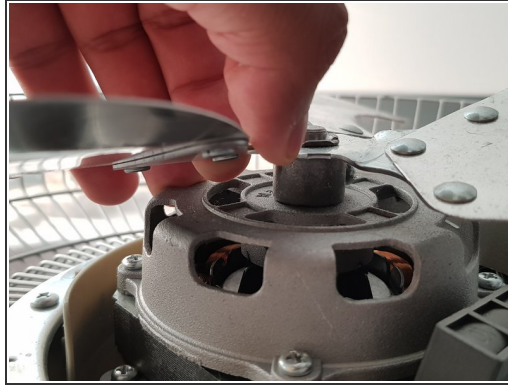
- Move to the screw located diagonally across from the previous one.
 - Tighten the screw the exact same amount as the previous one.
 - Perform the same process for the remaining two screws.
- i** Don't overtighten the screws. If the screws are too tight, it might lead to fan vibration.

Step 10



- To ensure that the blades do not move, use one hand to keep them in place.
 - Tighten the set screw between the blades and impeller assembly using a Phillips #2 screwdriver.
- i** The set screw is a little hard to reach, so it is crucial to keep the blades still.

Step 11



- Check the tightness of the set screw by pulling the blades up gently.
- ⓘ The blades should only lift a minuscule amount when you perform this test. If they do not move at all, the set screw is too tight.

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