

# How to Replace the Fan Blade Assembly on the Utilitech SFC-1 500B 20 " High Velocity Floor Fan

This guide demonstrates how to remove and replace the fan blade on a Utilitech SFC-1 500B 20 "
High Velocity Floor Fan.

Written By: EngineeringCorpsman



#### **INTRODUCTION**

The purpose of this technical description is to explore the Utilitech SFC1-500B 20" High Velocity Floor Fan at the system-level, then discuss the important parts directly related to using the device. This description will give the user a basic idea of fan's design and operation so as to become more proficient in its use.



#### **TOOLS:**

- Phillips #2 Screwdriver (1)
- 8mm Nut Driver (1)
- Magnetic Project Mat (1)



#### **PARTS:**

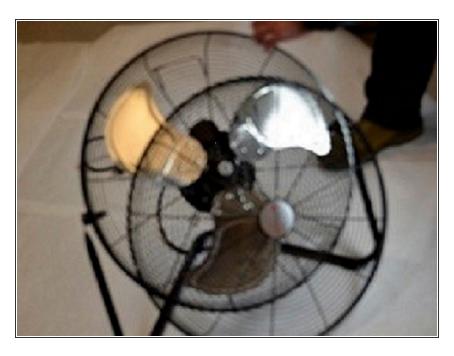
 Replacement fan-blade assembly (purchased directly from Utilitech) (1)

# **Step 1 — Fan Blade Assembly**



- Unplug fan prior to repair.
- Remove the Phillips #2 screws securing the fan cover.

# Step 2



Remove the fan cover.

#### Step 3



- Remove the screws holding the plastic wire cover with a Phillips #2 screwdriver and flexible extension.
- If the above attachment is unavailable, use a crescent wrench or pliers to grip the screwdriver for additional torque.

# Step 4



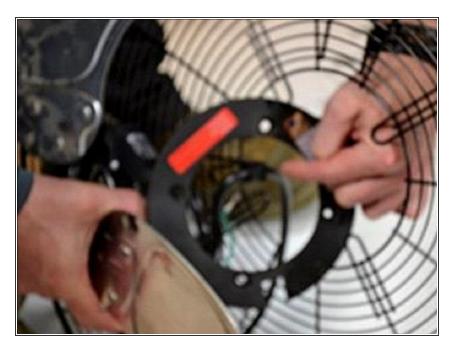
 Remove the green wire that is attached to the motor housing.

# Step 5



 Remove the nuts securing the motor to the back cover of the fan, using a Phillips #2 screwdriver and an 8mm socket driver.

#### Step 6



 Remove the power cord from the back cover by sliding the wire off of the two metal rails holding them together.

# Step 7



 Remove the motor from the back of the fan cover.

# Step 8



The fan is fully disassembled; replace the damaged parts.

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