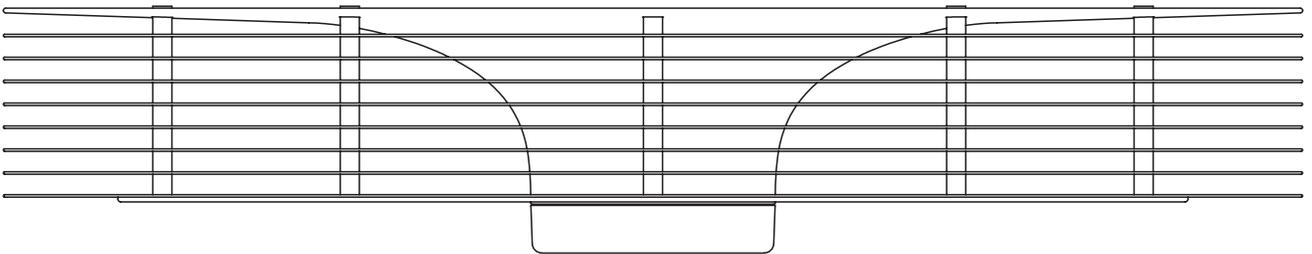




Model: EF34



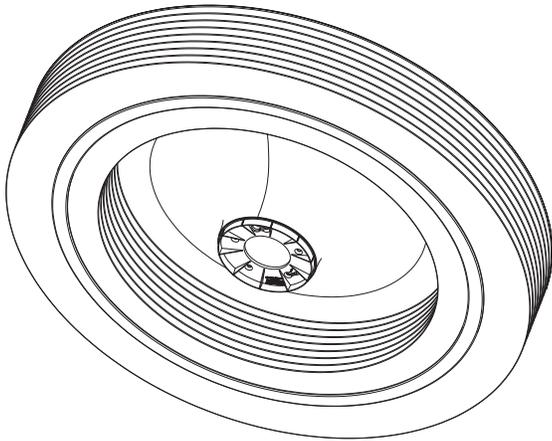
# Owner's Guide & Installation Manual



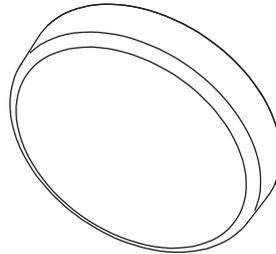
**WARNING:** Read this manual before using this product. Failure to follow the instructions and safety precautions in this manual can result in damage to property, serious bodily injury or death. Keep this manual in a safe location for future reference.



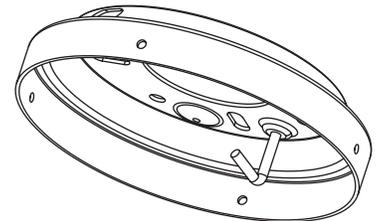
### Parts List



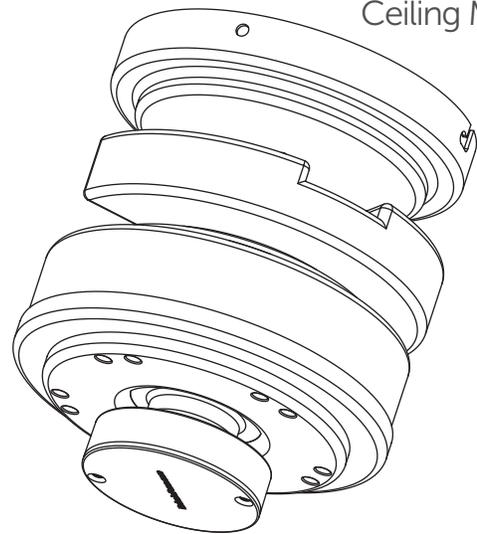
Exhale Fan (Prebuilt)



Dust Cover



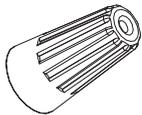
Ceiling Mount



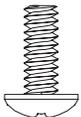
DC Motor



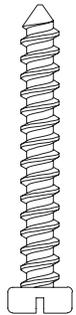
Flat Head Motor Screws (1/4-20)  
Qty: 5



Wire Nuts  
Qty: 3



Motor Mount Screws (#10-24)  
Qty: 4

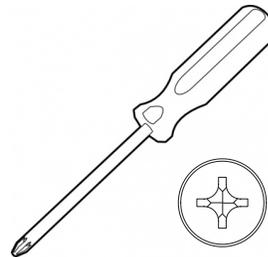


Misc Ceiling Mounting Screws  
Qty: 4

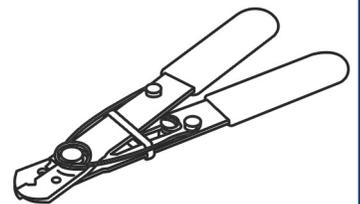
6-Speed + Turbo  
Wireless Remote  
Control



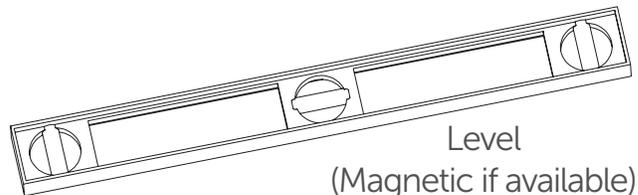
### Tools Required



Screw Driver



Wire Strippers



Level  
(Magnetic if available)

## Safety First!

Please read this installation manual completely before you begin to install the Exhale™ Fan, you will be happy you did.

- To reduce the risk of electric shock, ensure electricity has been turned off at the circuit breaker or fuse box before beginning any installation procedures.
- All wiring must be in accordance with local electrical codes. Electrical installation should be performed by a qualified licensed electrician.
-  **WARNING:** To reduce the risk of electrical shock and fire, do not use this fan with any speed control device other than the included wireless remote.
- The outlet box and support structure must be securely mounted and capable of supporting a minimum of 50 pounds. Use only certified outlet boxes marked FOR FAN SUPPORT.
-  **WARNING** To reduce the risk of fire, electrical shock or personal injury, only mount fan to outlet box marked ACCEPTABLE FOR FAN SUPPORT.
- To avoid personal injury or damage to the fan and other items, be cautious when working around or cleaning the fan.
- Do not use water or detergents when cleaning the fan or fan discs. A dry dust cloth or lightly dampened cloth will be suitable for most cleaning.
- After making electrical connections, spliced conductors should be turned upward and pushed carefully into the outlet box.
- Electrical diagrams are for reference only.
-  **WARNING:** To reduce the risk of personal injury, use only the two steel screws (and lock washers) provided with the outlet box for mounting to the outlet box. Most outlet boxes commonly used for lighting fixtures are not acceptable for fan support and may need to be replaced, consult a qualified electrician if in doubt.

## Installation

### **Step 1. Determine the location**

---

The preferred location for the EF34 is in the center of the room, this position will provide the best performance of the fan.

If you intend to place multiple fans in the same room you should divide the room into equal sections and place the fans in the center of each section. In both instances of one or multiple fans, the above recommendations will provide air movement coverage to all corners of the space.

-  **WARNING** To reduce the risk of fire, electrical shock or personal injury, only mount fan to outlet box marked ACCEPTABLE FOR FAN SUPPORT.

### **Step 2. Remove contents from the package**

---

Protective foam inserts are located in each corner of the package. Within these foam inserts you will find the DC motor, mounting hardware, and dust cover. Carefully remove each corner foam piece first ensuring that you account for all the parts. Please cross check the parts to the items on the "Parts List" located in the front of this document.

Do not remove the body of the Exhale™ Fan at this time, that will come later in the installation.

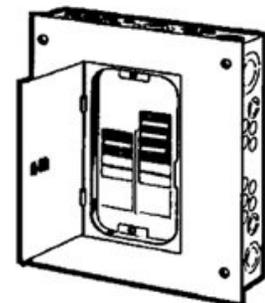
### **Step 3. Turn off all electrical power**

---

Locate your electrical panel or fuse box and turn off the power to the room where you are installing the fan.

-  **WARNING:** Turn off all electrical power prior to making any electrical connections. Failure to do so could result in electrical shock, personal injury, or death.

If you are unsure how to disconnect the electric power, please consult a licensed electrician for assistance.



## Step 4. Ceiling Mount

- Pass the electrical wires from the ceiling through the ceiling mount center hole as shown in Figure 1.
- Secure the ceiling mount to the junction box **using the hardware supplied with the junction box** as shown in Figure 2.

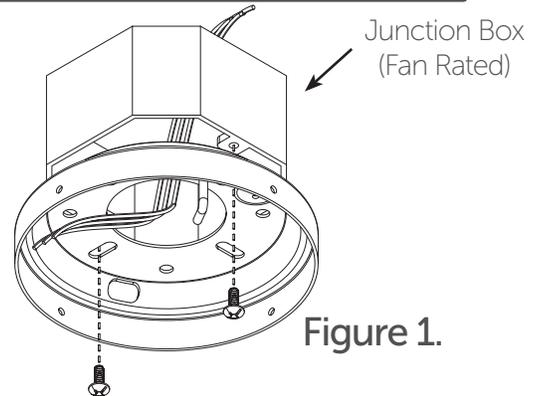


Figure 1.

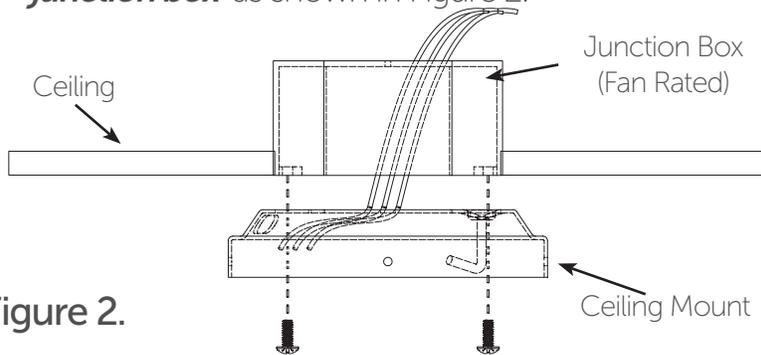


Figure 2.

- Using a level, make sure the mount is plumb and level to the floor, adjust if necessary.

**i** Installation to concrete ceilings requires optional mounting hardware. (See Optional Accessories A)

**i** Running the Exhale out of level can cause it to become unstable or wobble.

**! WARNING:** Not using the hardware included with the junction box could result in a weak connection of the ceiling mount to the junction box and cause the fan to become unstable or fall.

## Step 5. Electrical Connections

Start by hanging the motor from the ceiling mount hook as shown in Figure 3.

- Connect the fan supply (black) wire to the black household supply wire as shown in Figure 4.
- Connect the neutral fan supply (white) to the white household supply as shown in Figure 4.
- Connect the Ground fan wire (Green) to the ground household supply as shown in figure 4.

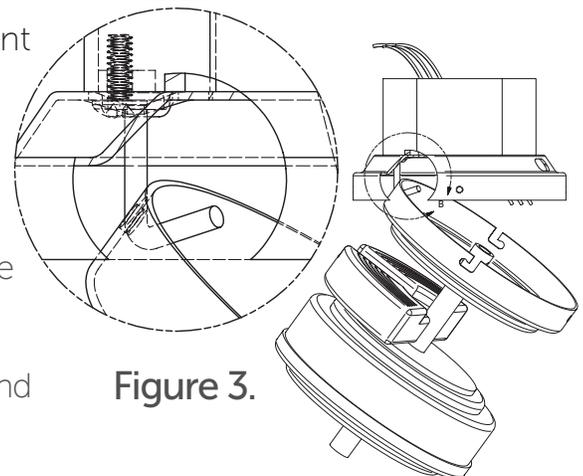


Figure 3.

- After connecting all the wiring, spread them apart so that the Green and White wires are located on one side of the electrical box and the Black on the other.
- Turn the wire nuts upward and push the wires neatly into the electrical box so they are out of the way.

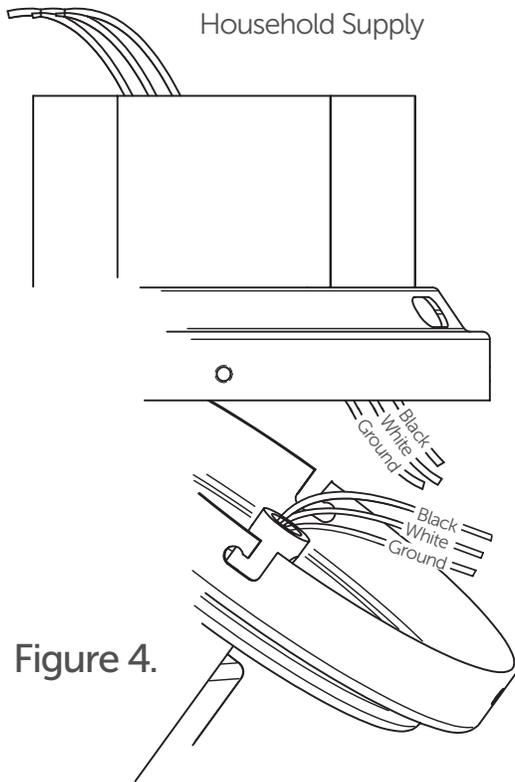


Figure 4.

**! WARNING;** To reduce the risk of electrical shock, DO NOT use a wall mounted speed control with this fan. It WILL permanently damage the electronic circuitry.

**! WARNING:** Turn off all electrical power prior to making any electrical connections. Failure to do so could result in electrical shock, personal injury, or death.

**i** Use the wire connecting nuts supplied with your fan. Secure the connectors with electrical tape. Make sure there are no loose strands or connections.

If you are unsure how to disconnect the electric power, or feel that you do not have enough electrical knowledge, please consult a licensed electrician for assistance.

## Step 6. Mounting the Motor

Pre install 2 of the included #10-24 screws half way into the ceiling mount on either side.

Install the motor onto the ceiling mount by sliding the preinstalled bottom mount over the ceiling mount as shown in Figure 5.

Using a clockwise twisting motion, the motor will temporarily lock into the ceiling mount while you install the remaining 2 #10-24 screws and tighten all connections.

**i** Be sure an align the two twist lock channels with the 2 preinstalled screws added first.

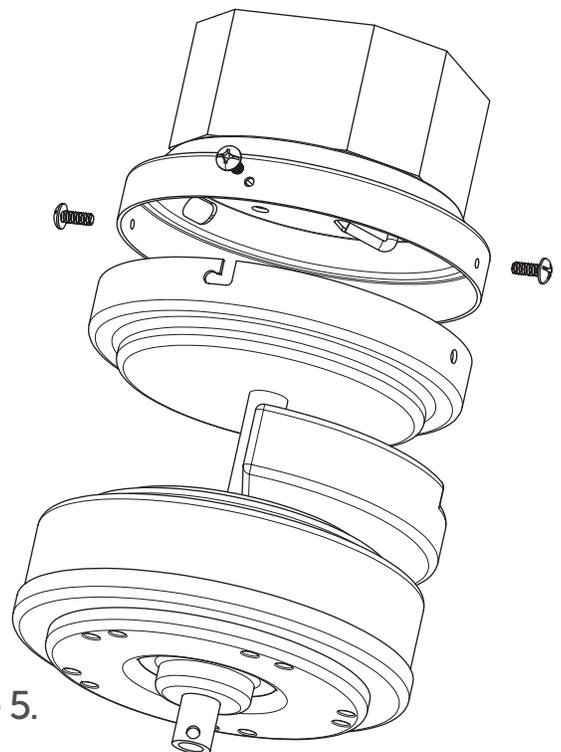
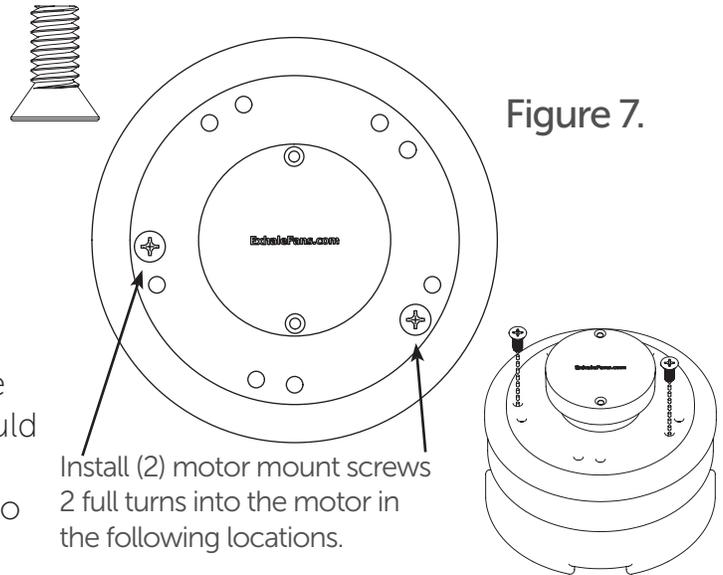


Figure 5.

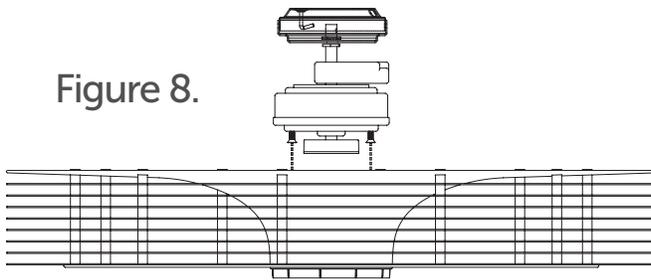
## Step 7. Hanging the Disc Array

- a. Using only (2) of the included 1/4-20 flat head motor mount screws, install them (2) full rotations as shown in Figure 7.

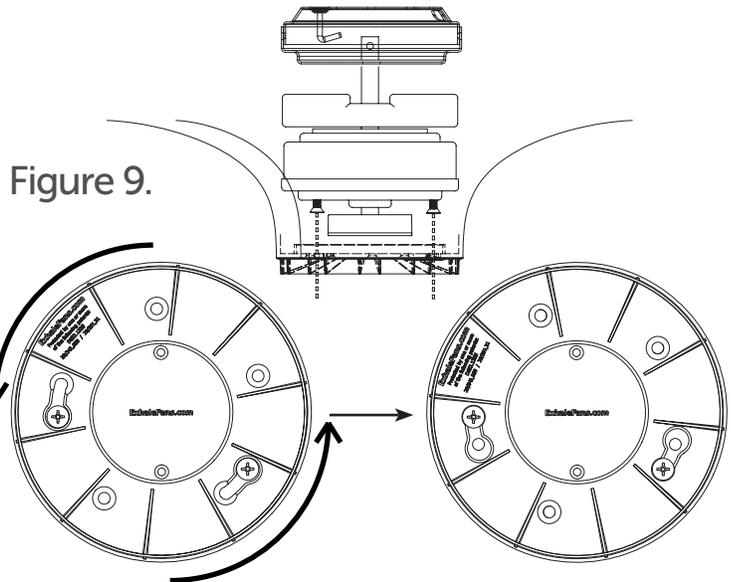


**i** Note: These screws will be tightened completely in a later step.

**! WARNING:** Not installing the screws a full (2) rotations could result in them backing out and causing the disc array to fall prior to installing the remaining screws.



- b. Install the disc array onto the motor by aligning the (2) screws installed earlier to the 'Key Holes' in the disc array as shown in Figure 9.



- c. Rotate the entire disc array counter clockwise to lock the screws into the disc array as shown in Figure 9.

**i** Note: The disc array should be free hanging from the (2) mounting screws.

- d. Install the remaining (3) screws into the disc array tightening all (5) using an alternating pattern to ensure an even pressure is put on all screws.

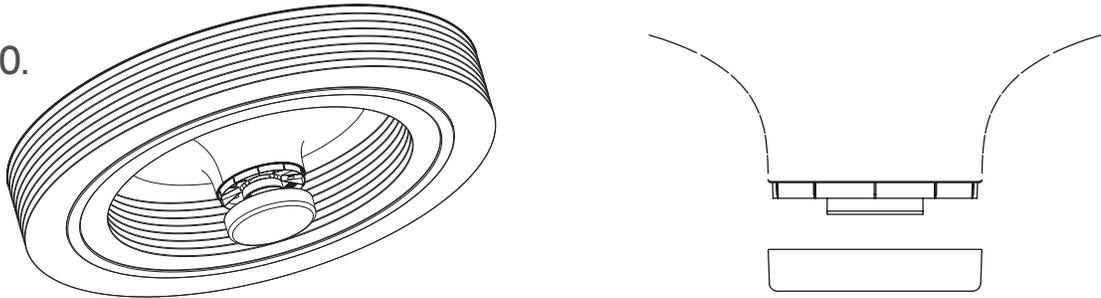
**! WARNING:** Not tightening the motor mounting screws properly could result in a weak connection of disc array to the motor and cause the fan to become unstable or fall.

## Step 8. Install the Dust Cover

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Install the dust cover by sliding it over the center of the disc array as shown in Figure 10. The cover is held on by friction and should fit snugly without using extensive force.

Figure 10.



## Step 9. Programming the Remote

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### Learning Process:

**i** Each hand held remote control is equipped with a learning function and comes preset with a unique broadcast ID. They can be used to control each fan individually or in conjunction when installing multiple units in close proximity.

- Install the DC12V battery in the hand held transmitter in the compartment located on the back of the remote.
- Within 30 seconds of turning on the power to the Exhale fan, hold down the  button for up to 30 seconds until you hear (Beep Beep). This will indicate that the receiver has learned the frequency of the remote and is ready to use.

**i** While teaching the hand held remote control, DO NOT touch any other buttons prior to the , doing so will cause the learning mode to fail.

After completing the steps above, you should be able to operate both the fan and, if installed, the light of your Exhale fan. If not, please turn the fan power off and repeat steps a and b.

Multiple fans can be set to use the same remote by following the above learning steps for each.

**If you would like to use separate remotes for additional fans please note:** You must disconnect the power to the first fan prior to programming the second. Not doing so will cause both fans to learn the second remote

## Step 9 (Cont.) Programming the Remote

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### Functions of the remote:

- Fan

- 1: Turn on ceiling fan at 1st speed. (Lowest speed)
- 2: Turn on ceiling fan at 2nd speed.
- 3: Turn on ceiling fan at 3rd speed.
- 4: Turn on ceiling fan at 4th speed.
- 5: Turn on ceiling fan at 5th speed.
- 6: Turn on ceiling fan at 6th speed. (Highest normal speed)
  
- 7: **Turbo**—Turn on ceiling fan at 7th speed.
  - Energy efficiency override: Used to provide additional comfort by providing a boosted airflow.
  - This setting should only be used in short bursts or in very large spaces for extended times.

 Press and hold to turn the ceiling fan on or off.

 Change the rotational direction of the ceiling fan.

- Light (Optional)

 Quickly press this button to turn the lighting on or off.

- Fan Timer

- 1hr: Ceiling fan will turn off after 1 hour.
- 3hr: Ceiling fan will turn off after 3 hours.
- 6hr: Ceiling fan will turn off after 6 hours.

 To conserve energy the remote will enter into sleep mode automatically. Quickly press  again to return to normal operation.

## Step 10. Enjoy your new Exhale Fan

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Exhale Fans would like to thank you again. Step back, admire your work, and enjoy your new fan.

## Optional Accessories

### A. Concrete Mounting Hardware

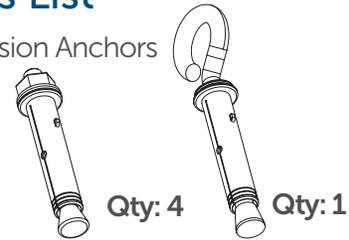
Concrete mounting hardware **MUST** be used when installing directly to concrete without the use of a junction box.

**i** Installation step 1-3 should be completed prior to installation of the ceiling mount.

- a. Place the ceiling mount flush onto the ceiling in the location where the fan will be mounted.
- b. Using the mount as a guide, mark the 5 bolt locations onto the ceiling where the expansion anchors will be installed.

#### Parts List

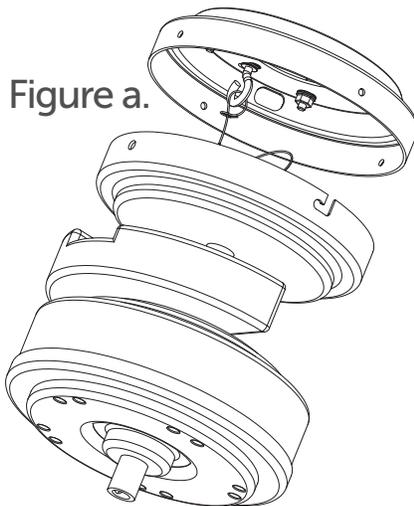
Expansion Anchors



- c. Remove the ceiling mount from the ceiling and check that the 5 locations marked are clear and free from obstacles.

(note: Use one of the slotted holes in the mount for the anchor with the hook attachment)

- d. Using an 8mm drill bit, drill the 5 bolt locations at least 40mm deep into the concrete ceiling. *(Be sure to clean any remaining dust from the hole when finished.)*



- e. Run the supply wires through the center of the ceiling mount and secure the mount to the ceiling using the included 4 expansion anchors that do not include the support hook.

- f. [Refer to Installation Step 5. Electrical Connections]

- g. Secure the fan safety cable from the motor to the expansion bolt with support hook by sliding the open loop of the safety cable over the hook and sliding the loop collar until it is tight around the shaft of the hook as seen in Figure a.

- h. [Return to Installation Step 6. Mounting the Motor]



# Model: EF34

## Exhale Fans LLC Ceiling Fans **LIMITED WARRANTY**

Exhale Fans LLC makes the following limited warranty for its ceiling fans as set forth below from the date of purchase.

Exhale Fans will replace, at our expense, any part of your ceiling fan motor within 5 years of purchase if due to a defect in material or workmanship. If no replacement parts can be provided, we will refund the purchase price of your fan. If off site repairs are needed, the fan can be sent to our Service Department in Corydon, IN. You will be responsible for parts and labor after this 5 year period. This warranty applies to the motor itself and does not apply to electronics such as the wireless remote control and or transmitter/receivers used with the motor. Please see below for coverage for electronic items.

Should any part of the ceiling fan other than the motor such as the wireless remote, transmitter/receiver, or lighting (if applicable) fail within the first 2 years due to defect in material or workmanship, we will, at our option, repair or replace the defective parts, at our expense. If off site repairs are needed, the fan can be sent to our Service Department in Corydon, IN. You will be responsible for parts and labor after this 2 year period.

This warranty does not cover products and/or parts that are subject to normal wear, that can be considered consumable parts by their nature. Exhale Fans LLC will pay for repair or replacement when covenanting proof is provided, for instance by means of a receipt, and/or the warranty registration card or website registration, on the day which service is claimed within the warranty coverage above.

The warranty is not valid when a defect is due to damage caused by incorrect use, poor maintenance or if alterations or repairs have been made or carried out by persons not authorized by Exhale Fans LLC.

For the best results the Exhale Fan should be used and installed with strict adherence to all instructions and warnings included in the Installation Manual for use and should abstain from any action or use not described for use.

**If the user or purchaser ceases to own the fan, this warranty and any implied warranties are voided. This warranty is in lieu of all other express warranties including but not limited to merchantability or fitness for a particular use. Exhale Fans does not warrant this product for any reason if not used in accordance to its intended purpose. Exhale Fans will not be liable for any incidental or consequential damages.**