

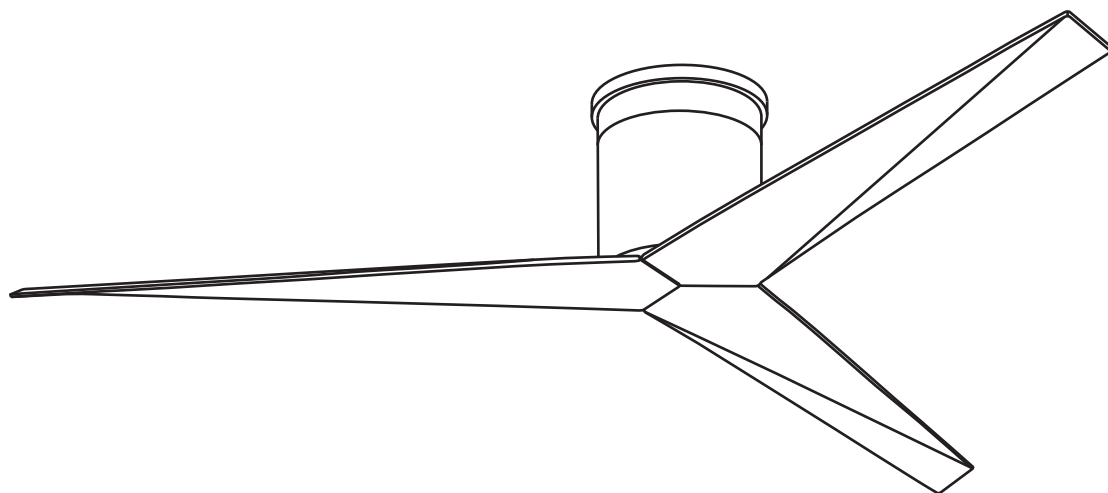


# Eliza Hugger

## 56" CEILING FAN

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**READ AND SAVE THESE INSTRUCTIONS**



**FAN RATING AC 120V. 60Hz**



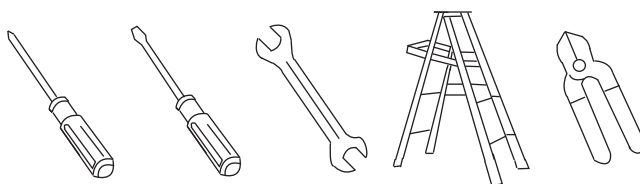
**Please do not use any electric or battery powered tools in the assembly and installation of this or any Matthews Fan Company product.**

# TABLE OF CONTENTS

|                                    |    |
|------------------------------------|----|
| Tools and Materials Required.....  | 1  |
| Package Contents .....             | 1  |
| Safety Rules.....                  | 2  |
| Mounting Options.....              | 3  |
| Attaching the Fan Blades.....      | 4  |
| Hanging the Fan .....              | 5  |
| Make the Electric Connections..... | 6  |
| Finishing the Installation.....    | 7  |
| Operating the Remote Control.....  | 8  |
| Operating Your Fan .....           | 9  |
| Care of Your Fan.....              | 10 |
| Troubleshooting.....               | 10 |

# 1. TOOLS AND MATERIALS REQUIRED

- Philips screwdriver
- Blade screwdriver
- 11 mm wrench
- Step ladder
- Wire cutters

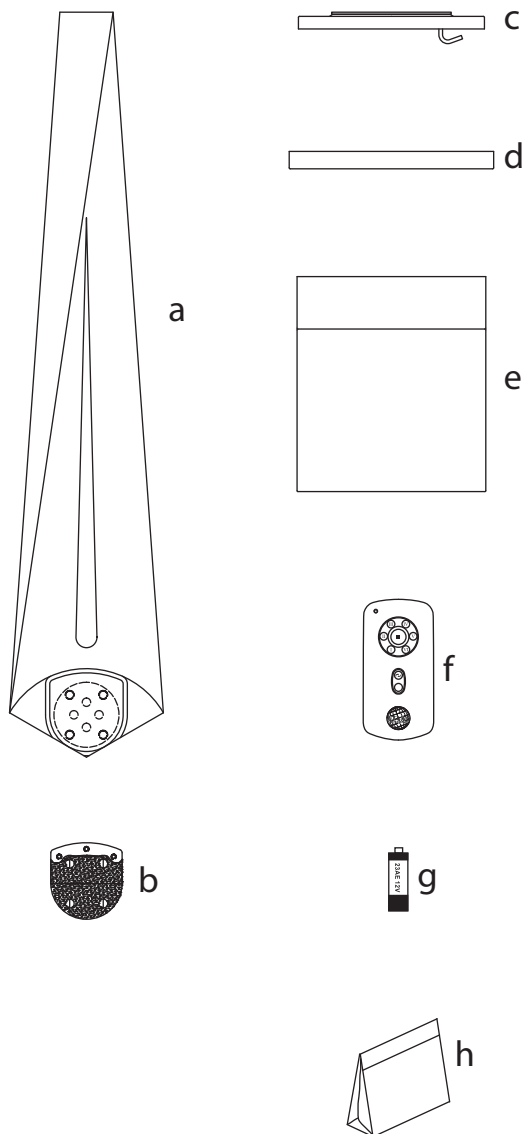


# 2. PACKAGE CONTENTS

Unpack your fan and check the contents. You should have the following items:

- a. Blade set (3)
- b. Blade holders (3)
- c. Mounting bracket (preassembled with fan motor assembly)
- d. Decorative ring
- e. Fan motor assembly
- f. Transmitter+holder+2 mounting screws
- g. 23A/12V battery
- h. Package hardware
  - 1) Mounting hardware:  
wood screws (2), screws (2),  
lock washers (2), washers (2),  
star washers (2), wire nuts (3)
  - 2) Blade holders attachment hardware:  
screws+spring washers (10)
  - 3) Blade attachment hardware:  
screws (13), fiber washers (13)

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### 3. SAFETY RULES

1. To reduce the risk of electric shock, insure electricity has been turned off at the circuit breaker or fuse box before beginning.
2. All wiring must be in accordance with the National Electrical Code and local electrical codes. Electrical installation should be performed by a qualified licensed electrician.
3. **WARNING:** To reduce the risk of electrical shock and fire, do not use this fan with any solid-state fan speed control device.
4. **WARNING:** To Reduce The Risk Of Fire, Electric Shock, Or Personal Injury, Mount To Outlet Box Marked Acceptable for Fan Support of 15.9 kg (35 lbs) or less And Use Mounting Screws Provided With The Outlet Box. Most outlet boxes commonly used for the support of lighting fixtures are not acceptable for fan support and may need to be replaced, consult a qualified electrician if in doubt.
5. The fan must be mounted with a minimum of 7 feet clearance from the trailing edge of the blades to the floor.
6. To operate the reverse function on this fan, press the reverse button while the fan is running.
7. Avoid placing objects in the path of the blades.
8. To avoid personal injury or damage to the fan and other items, be cautious when working around or cleaning the fan.
9. Do not use water or detergents when cleaning the fan or fan blades. A dry dust cloth or lightly dampened cloth will be suitable for most cleaning.
10. After marking electrical connections, spliced conductors should be turned upward and pushed carefully up into outlet box. The wires should be spread apart with the grounded conductor and the equipment-grounding conductor on one side of the outlet box.
11. Electrical diagrams are reference only. Light kit that are not packed with the fan must be UL Listed and marked suitable for use with the model fan you are installing. Switches must be CUL General Use Switches. Refer to the Instructions packaged with the light kits and switches for proper assembly.

**WARNING**  
TO REDUCE THE RISK OF PERSONAL INJURY, DO NOT BEND THE BLADE BRACKETS (ALSO REFERRED TO AS FLANGES) DURING ASSEMBLY OR AFTER INSTALLATION. DO NOT INSERT OBJECTS IN THE PATH OF THE BLADES.

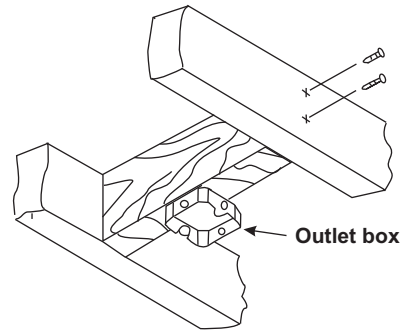
## 4. MOUNTING OPTIONS

If there isn't an existing UL listed mounting box, then read the following instructions. Disconnect the power by removing fuses or turning off circuit breakers.

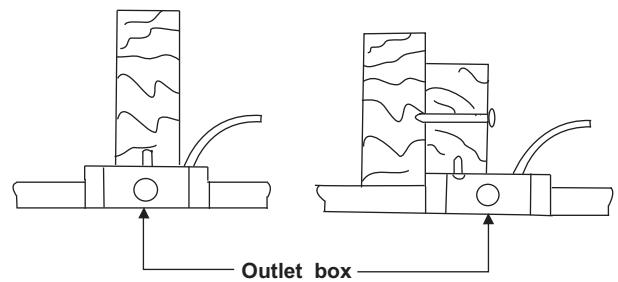
Secure the outlet box directly to the building structure. Use appropriate fasteners and building materials. The outlet box and its support must be able to fully support the moving weight of the fan (at least 35 lbs). Do not use plastic outlet boxes.

Figures 1 and 2 are examples of different ways to mount the outlet box.

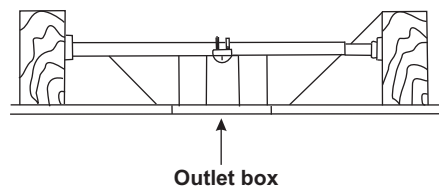
To hang your fan where there is an existing fixture but no ceiling joist, you may need an installation hanger bar as shown in Figure 3.



**Figure 1**



**Figure 2**



**Figure 3**

## 5. ATTACHING THE FAN BLADES

1. Remove the motor housing from the fan motor by removing the two screws from the rim of motor housing. (Fig. 4)
2. Attach the blade holder to the blades using the screws provided. Repeat process with other blades. (Fig. 5)
3. Fasten the blade assembly to the fan motor using the blade screws supplied. Repeat process with other blades. Tighten each screw and make sure the blade is straight. (Fig. 6)

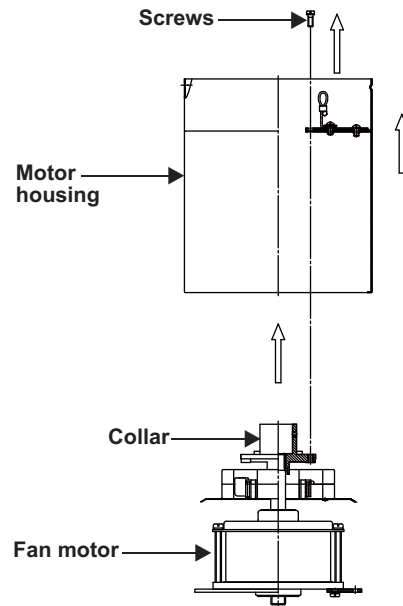


Figure 4

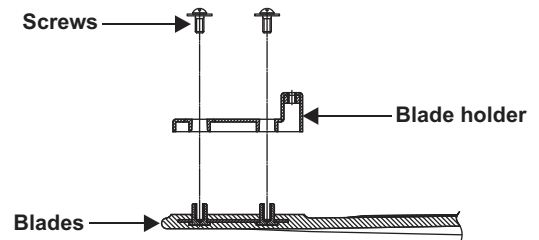


Figure 5

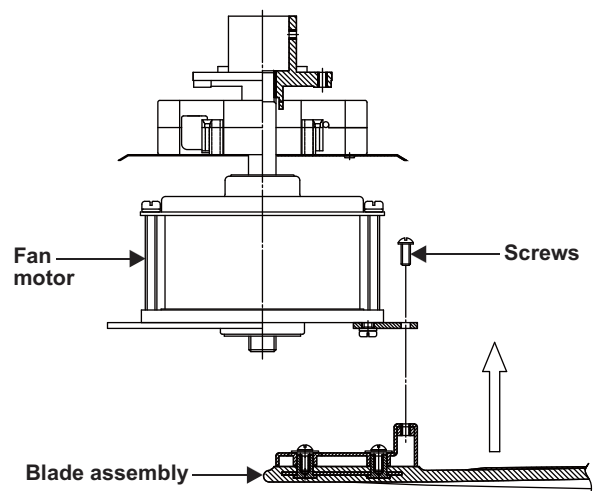


Figure 6

## 6. HANGING THE FAN

REMEMBER to turn off the power. Follow the steps below to hang your fan properly:

Step 1. Replace the motor housing to the fan motor by using the screws previously removed. Slide the decorative ring down and through the motor housing. (Fig. 7)

Step 2. Attach the mounting bracket to the outlet box using the two screws and washers provided with the outlet box. For best performance be sure the mounting bracket is level and secured firmly against the ceiling. You may need to insert additional washers (not provided) between the outlet box and mounting bracket to make it level. (Fig. 8).

Step 3. Lift fan into position by hanging the motor assembly onto the hook from the mounting bracket allowing it to hang freely (Fig. 9).

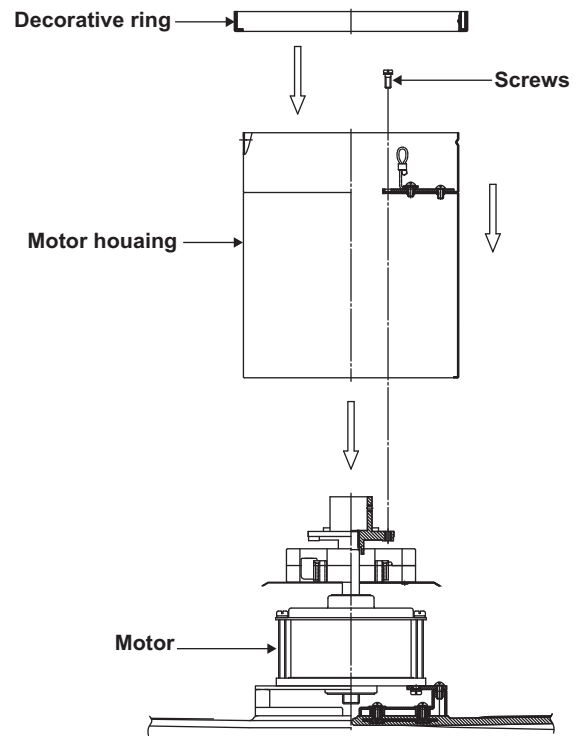


Figure 7

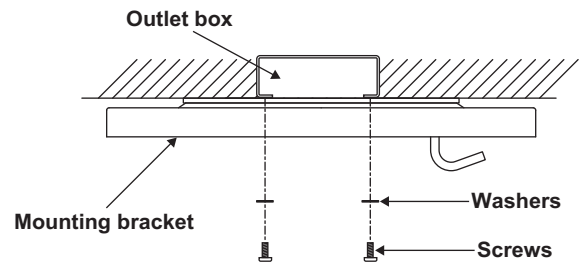


Figure 8

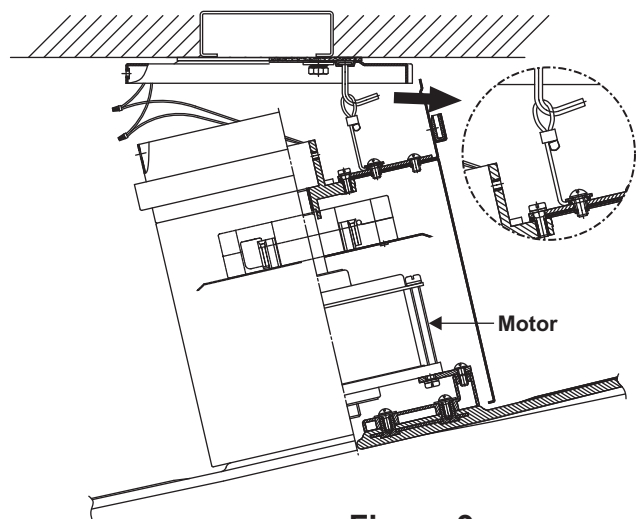
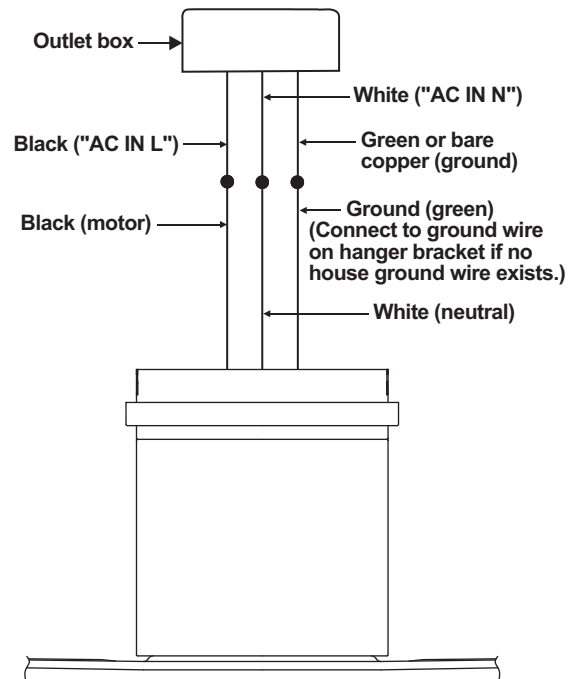


Figure 9

## 7. MAKE THE ELECTRIC CONNECTIONS

Remember to disconnect the power. Follow the steps below to connect the fan to your household wiring. Use the wire connecting nuts supplied with your fan. Secure the connectors with electrical tape. Make sure there are no loose strands or connections.

1. Connect the fan supply (black) wire to the black household supply wire as shown in Figure 6.
2. Connect the neutral fan (white) wire to the white neutral household wire. (Fig. 10)
3. Connect the fan ground wire (green) to the household ground wire.
4. After all splices are made, check to make sure there are no loose strands. As an additional precaution we suggest to secure the plastic wire connectors to the wires with electrical tape.



**Figure 10**



## 8. FINISHING THE INSTALLATION

Step 1. Move fan motor into position over the four mounting holes and secure with the four screws provided. The safety support is provided to prevent the fan from falling. Secure the safety cable securely onto the hook. (Fig. 11)

Step 2. Raise up decorative ring and line up the four tabs with the four grooves on the motor housing. Once lined up, slide the decorative ring up to the motor housing until snug. (Fig. 12)

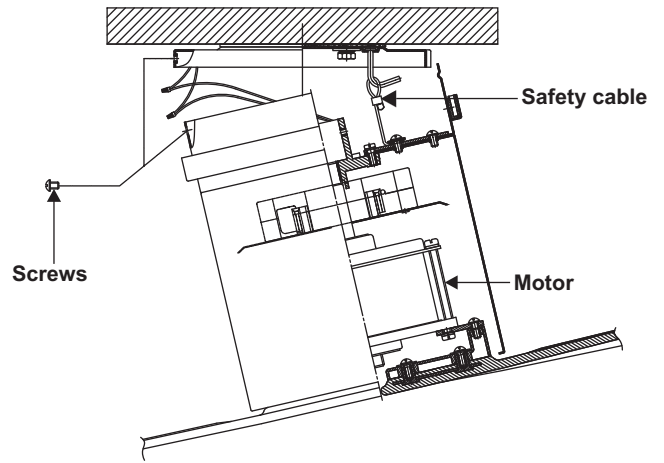


Figure 11

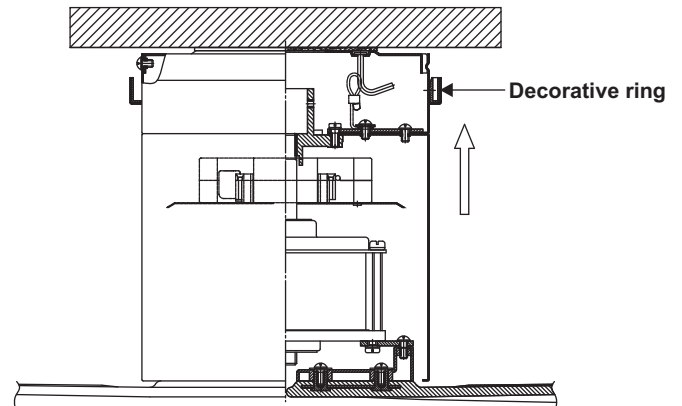


Figure 12

## 9. PROGRAMMING YOUR FAN AND OPERATING THE REMOTE CONTROL

Your DC brushless motor is equipped with a automatically learned type remote control.

**Before programming takes place, fan must be fully assembled and mounted to the ceiling with blades attached.**

Install one 23A/12V battery (included). To prevent damage to transmitter, remove the battery if not used for long periods of time (Fig. 13)

**Restore power to ceiling fan and test for proper operation.**

A. I, II, III, IV, V and VI button:

These six buttons are used to set the fan speed as follows:

- I = minimum speed
- II = low speed
- III = medium low speed
- IV = medium speed
- V = medium high speed
- VI = high speed

B.  button:

This button turns the fan off.

C.  Reverse button:

This button is to control fan direction

D. SET code setting button:

Follow the below steps to set the remote control:  
The auto learning function will only mandate within 60 seconds when turning the fan's AC power ON.

a) Select desired frequency from the back of transmitter.

b) From the back of the transmitter, press the "SET" button, and hold the "SET" button for over 10 seconds. Once the receiver has detected the frequency, the light will flash twice, and the fan will automatically begin to operate and start to rotate in the counterclockwise direction and on the highest RPM for 3 minutes. When counterclockwise rotation has finished, the fan will automatically reverse to clockwise direction again to the highest RPM for 3 minutes. Fan will shut off when the self calibration test has finished. The total self calibration test will last about 6 minutes.

**NOTE:** If the self calibration test failed, turn the AC power off; restore power and process the self calibration test again.

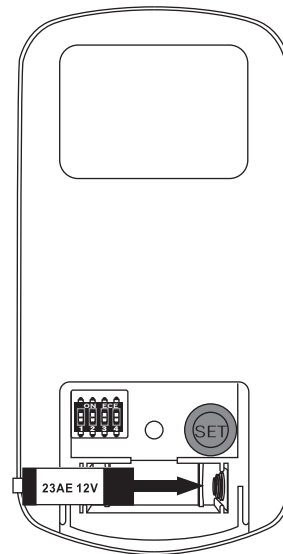


Figure 13

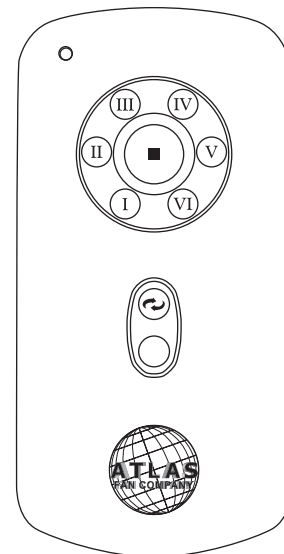


Figure 14

**NOTE:** During self calibration test, the remote is non-functional.

**NOTE:** The learning frequency function and self calibration test will continue to retain the last set frequency and calibration set even when the AC power is shut off. If the frequency is changed the self calibration test will occur again.

This receiver provides the following protective function:

1. Lock Rotor Position: The DC motor has a built-in safety against a stalled or locked rotor condition (stalled blade rotation). If there is an obstruction or fault with the motor, the current monitoring function will automatically turn power off to the motor after 30 seconds. Remove the obstruction and turn the AC power off. Restore power and re-start fan motor.

2. Over 80W protection: When the receiver detects motor power consumption which is greater than 80W, the receiver power will be stopped and operation will immediately discontinue. Wait for 5 seconds and then turn the receiver power back on.

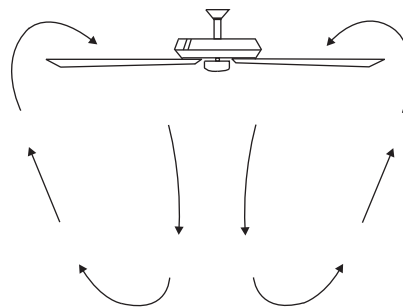
## 10. OPERATING YOUR FAN

Speed settings for warm or cool weather depend on factors such as the room size, ceiling height, number of fans and so on.

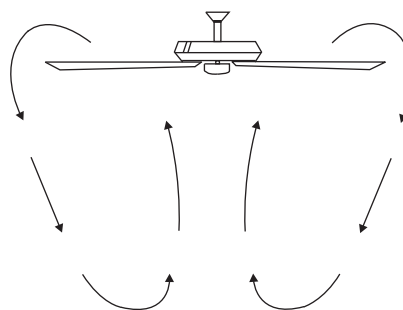
**NOTE:** To operate the reverse function on this fan, press the reverse button while the fan is running.

Warm weather - (Forward) A downward airflow creates a cooling effect as shown in Fig. 15. This allows you to set your air conditioner on a warmer setting without affecting your comfort.

Cool weather - (Reverse) An upward airflow moves warm air off the ceiling area as shown in Fig. 16. This allows you to set your heating unit on a cooler setting without affecting your comfort.



**Figure 15**



**Figure 16**

# 11. CARE OF YOUR FAN

Here are some suggestions to help you maintain your fan

1. Because of the fan's natural movement, some connections may become loose. Check the support connections, brackets, and blade attachments twice a year. Make sure they are secure. (It is not necessary to remove fan from ceiling.)
2. Clean your fan periodically to help maintain its new appearance over the years. Use only a soft brush or lint-free cloth to avoid scratching the finish. The plating is sealed with a lacquer to minimize discoloration or tarnishing. Do not use water when cleaning. This could damage the motor, or the wood, or possibly cause an electrical shock.
3. You can apply a light coat of furniture polish to the wood blades for additional protection and enhanced beauty. Cover small scratches with a light application of shoe polish.
4. There is no need to oil your fan. The motor has permanently lubricated bearings.

**IMPORTANT:** MAKE SURE THE POWER IS OFF AT THE ELECTRICAL PANEL BOX BEFORE YOU ATTEMPT ANY REPAIRS. REFER TO THE SECTION "MAKING ELECTRICAL CONNECTIONS".

# 12. TROUBLESHOOTING

| Problem                                 | Solution  |
|---|---|
| Fan will not start.                     | <ol style="list-style-type: none"><li>1. Check circuit fuses or breakers.</li><li>2. Check line wire connections to the fan and switch wire connections in the switch housing.<br/><b>CAUTION:</b> Make sure main power is off.</li><li>3. Check that the battery of the remote is functional.</li><li>4. Re-do steps for programming on page 8.</li></ol>  |
| Fan sounds noisy.                       | <ol style="list-style-type: none"><li>1. Make sure all motor housing screws are snug.</li><li>2. Make sure the screws that attach the fan blade bracket to the motor hub is tight.</li><li>3. Make sure wire nut connections are not rubbing against each other or the interior wall of the switch housing. <b>CAUTION:</b> Make sure main power is off.</li><li>4. Allow a 24-hour "breaking-in" period. Most noise associated with a new fan disappear during this time.</li><li>5. Some fan motors are sensitive to signals from solid-state variable speed controls. If you have installed this type of control, choose and install another type of control.</li><li>6. Make sure the upper canopy is a short distance from the ceiling. It should not touch the ceiling.</li></ol>   |
| Remote control malfunction.             | <ol style="list-style-type: none"><li>1. Do not connect the fan with a wall mounted variable speed control(s).</li><li>2. Make sure the dip switches are set correctly.</li></ol>   |
| Fan wobble.                             | <ol style="list-style-type: none"><li>1. Check that all blade and blade arm screws are secure.</li><li>2. Most fan wobbling problems are caused when blade levels are unequal. Check this level by selecting a point on the ceiling above the tip of one of the blades. Measure this distance. Rotate the fan until the next blade is positioned for measurement. Repeat for each blade. The distance deviation should be equal within 1/8".</li><li>3. If the blade wobble is still noticeable, interchanging two adjacent (side by side) blades can redistribute the weight and possibly result in smoother operation.<br/><b>WARNING:</b> TO REDUCE THE RISK OF PERSONAL INJURY, DO NOT BEND THE BLADE ARM WHILE INSTALLING, BALANCING THE BLADES, OR CLEANING THE FAN. DO NOT INSERT FOREIGN OBJECTS BETWEEN ROTATING FAN BLADES.</li></ol> |
| Fan has jerky movement                  | <ol style="list-style-type: none"><li>1. Turn the AC power off to fan, and re-do steps for programming on page 8.</li></ol>   |
| Fan has lost its programming repeatedly | <ol style="list-style-type: none"><li>1. Turn the AC power off to fan, and re-do steps for programming on page 8.</li><li>2. Do not turn off fan from wall switch. Use only remote to regulate fan.</li></ol>   |