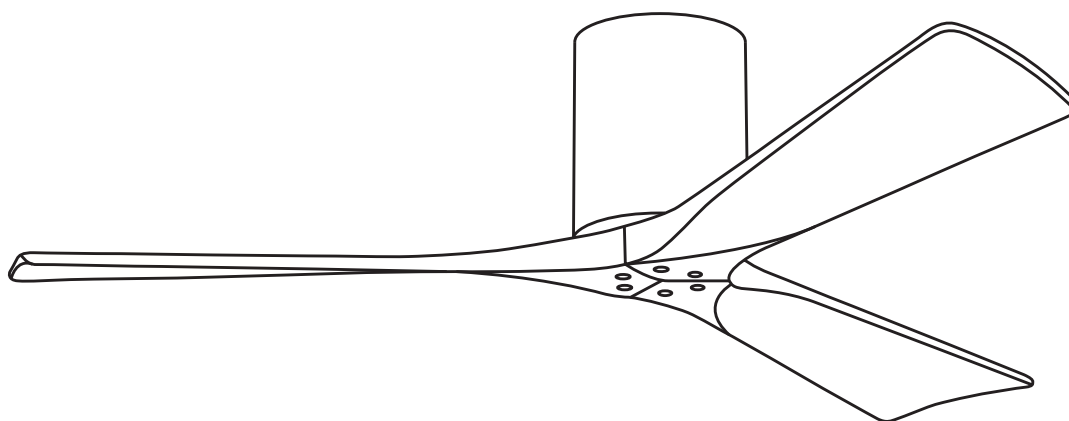




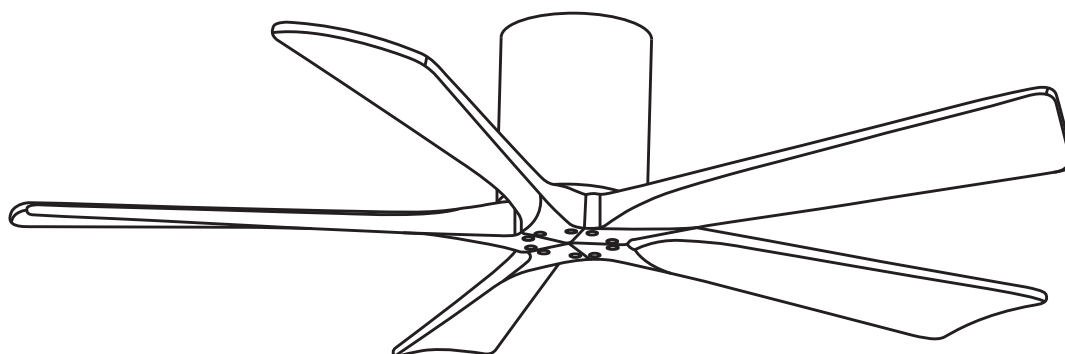
Irene-H

60", 52" or 42"
CEILING FAN

READ AND SAVE THESE INSTRUCTIONS



Irene-3H



Irene-5H

FAN RATING AC 220-240V~, 50Hz

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

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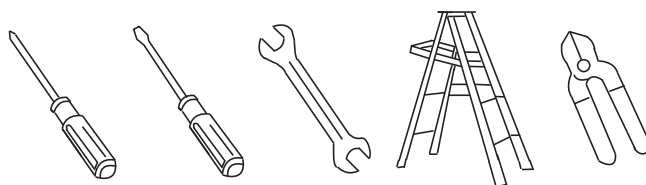
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1. TOOLS AND MATERIALS REQUIRED

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

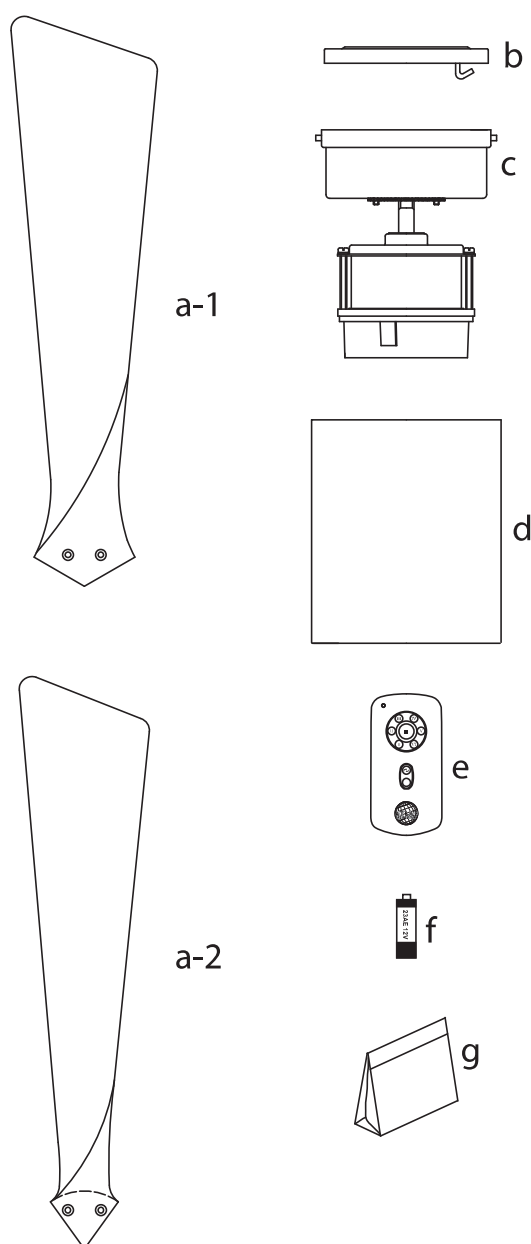


2. PACKAGE CONTENTS

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

- a-1. Blade set (3) (for Irene-3H)
- a-2. Blade set (5) (for Irene-5H)
- b. Mounting bracket (preassembled with fan motor assembly)
- c. Fan motor assembly
- d. Fan housing
- e. Transmitter+holder+2 mounting screws
- f. 23A/12V battery
- g. Package hardware
 - 1) Mounting hardware:
 - wood screws (2), screws (2),
 - lock washers (2), washers (2),
 - star washers (2), wire nuts (3)
 - 2) Blade attachment hardware:
 - screws (11), washers (11)

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



READ AND SAVE THESE SAFETY AND INSTALLATION INSTRUCTIONS.

Consult a licensed electrician if unsure of any point below mentioned.
DANGER/WARNING/CAUTION

1. High voltage and moving parts around motors and motor driven equipment can cause serious or fatal injuries. Always disconnect power source at main switch before wiring, servicing or cleaning unit. Do not rely on fan control device to prevent unexpected start-up or electrical shock. In addition, power supply must have fuses or circuit breakers for short circuit protection.
2. All electrical wiring must conform to national and local electrical codes such as: NEC, OSHA, etc.
3. Fan should be secure in its electrical grounding to avoid possible electrical shock.
4. Fan should not be used in any wet or hazardous location defined by article 500 of the NEC. In addition, its ambient temperature should not exceed 104 degrees Fahrenheit.
5. Power supply should conform to voltage rating of 220-240V.
6. Before applying power, visually re-inspect the installation. Make sure that all guards and protective devices are securely in place and all visible screws and bolts are tightened.
7. **Warning:** to reduce the risk of fire, electrical shock or personal injury, mount hanging bracket to outlet box marked "Acceptable for fan support and a hanging weight of 45 Lbs." Do not mount fan to sheet rock or drywall type materials and use only the screws provided with the outlet box.
8. **Caution:** to reduce the risk of injury to persons, install fan so that bottom edges of fan blades are to be at least 2.3m above the floor.
9. To reduce the risk of personal injury, do not bend blades or any other part of fan when cleaning. Do not insert foreign objects in between rotating fan blades or in space surrounding entire rotating fan unit. Fan must be turned off at power at supply source before installation, cleaning or servicing.
10. Instructions for Supply Connections: Conductor of a fan identified as grounded conductor to be connected to a grounded conductor of a power supply, conductor of fan identified as ungrounded conductor to be connected to an ungrounded conductor of a power supply, conductor of fan identified for equipment grounding to be connected to an equipment-grounding conductor. After making the wire connections in junction box, the splices should be turned upward and pushed carefully into the outlet box. The wires should be spread apart with the grounded conductor and the fan-grounding conductor on one side of the junction box and the ungrounded conductor on the other side of the outlet box. Be sure that all wiring connections are properly insulated from each other and any surrounding metal parts. For safety and best operating results, only qualified electrician allows to assemble and install your fan.
11. To reduce the risk of personal injury, install the supplementary mounting means and use only the hardware provided with the fan.

12. **Warning:** TO REDUCE THE RISKS OF FIRE, ELECTRIC SHOCK OR INJURY TO PERSONS, OBSERVE THE FOLLOWING:
 - A. Use this unit only in the manner intended by the manufacturer. If you have any questions, contact the manufacturer.
 - B. Before installing, servicing or cleaning unit, switch power off at service panel and lock service panel to prevent power from being switched on accidentally.
13. **Warning:** To reduce the risk of fire, electrical shock or personal injury, mount to outlet box marked acceptable for fan support and use screws provided with outlet box.
14. **WARNING:** This product is designed to use only those parts supplied with this product and/or accessories designated specifically for use with this product. Using parts and/or accessories not designated for use with this product could result in personal injury or property damage.
15. This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
16. Children should be supervised to ensure that they do not play with the appliance.
17. Fan suspension system shall be examined regularly, **at least once every two years.**

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.

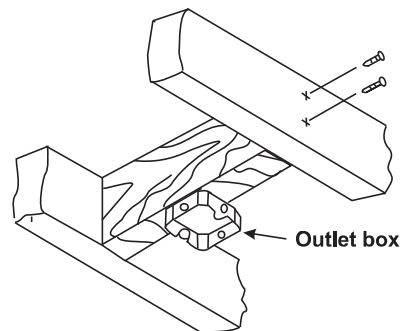


Figure 1

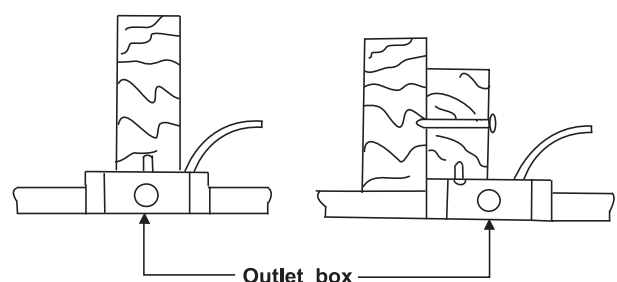


Figure 2

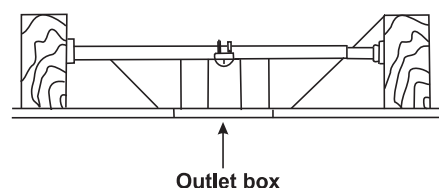


Figure 3

5. HANGING THE FAN

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

Step 1. Disassemble the mounting bracket from the fan motor assembly.

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. 4).

Step 3. Lift fan into position by hanging the motor assembly onto the hook from the mounting bracket allowing it to hang freely (Fig. 5).

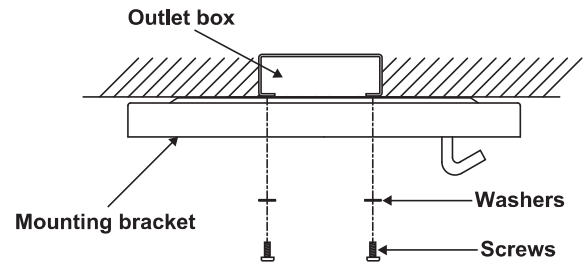


Figure 4

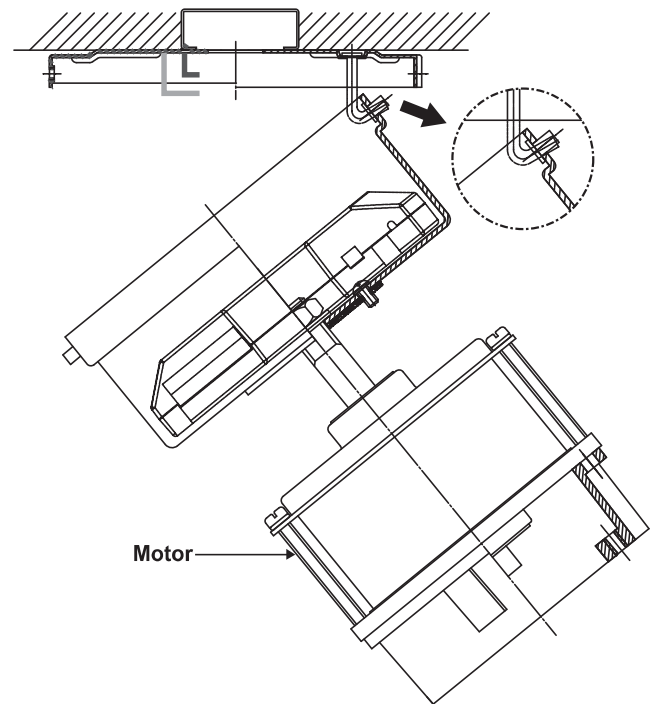


Figure 5

6. 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 blue, neutral household neutral wire to the terminal block "N" hole. Connect the brown, hot household neutral wire to the terminal block "L" hole. (Fig. 6)
2. Connect the green/ground wire from the household to the terminal block "⊕" hole. (Fig. 6)
3. Be sure to snap together the male and female plugs. (Fig. 6)

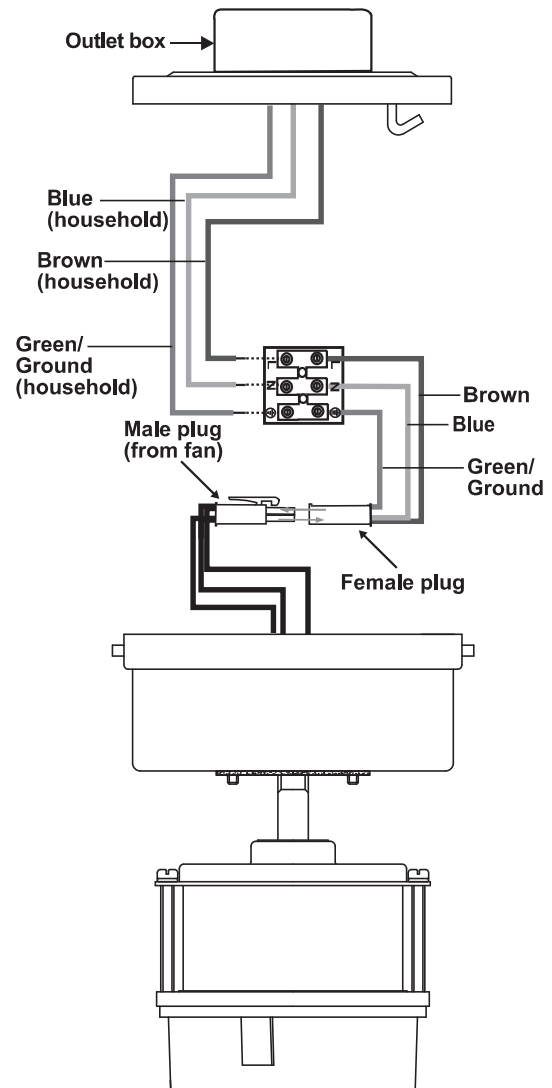


Figure 6

7. FINISHING THE INSTALLATION

Step 1. Move fan motor into position over the four mounting holes and secure with the four screws provided. (Fig. 7)

Step 2. An additional safety support is provided to prevent the fan from falling. Secure the safety cable to the ceiling joist with screw and washer. (Fig. 7)

Step 3. Raise the fan housing up against the mounting bracket. The four supports inside the fan housing should be placed against the four studs on the mounting bracket. Twist the fan housing clockwise until snug. (Fig. 8)

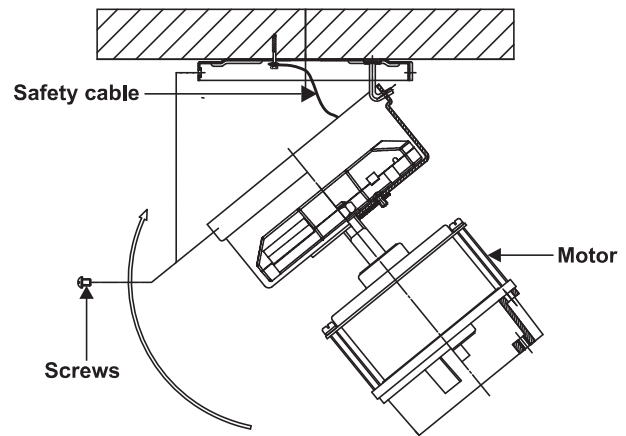


Figure 7

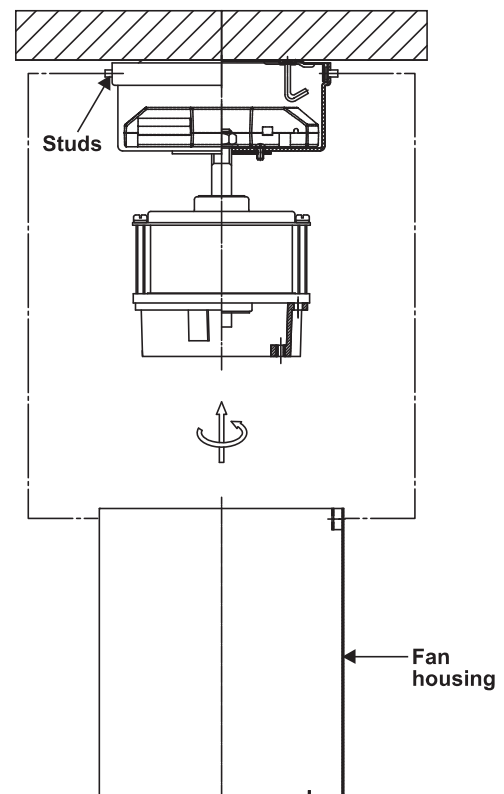


Figure 8

8. ATTACHING THE FAN BLADES

1. Fasten blade to motor using the screws supplied. (Fig. 9)

2. Repeat process with other blades. Tighten each screw and make sure the blade is straight.

NOTE: This fan is supplied with two types of blades for installation. Follow the step below to installing your fan blade properly.

The inner holes are for 3 blades. (for Irene-3H)

The outer holes are for 5 blades. (for Irene-5H)

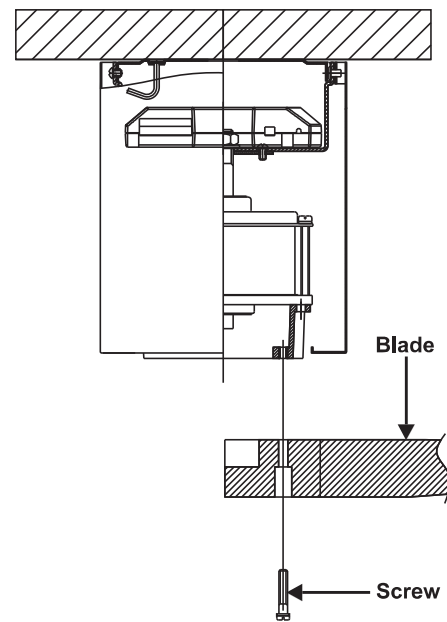


Figure 9

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

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.

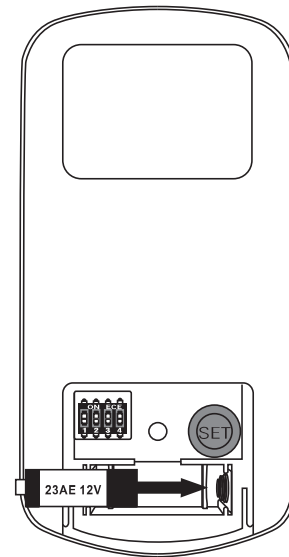


Figure 12

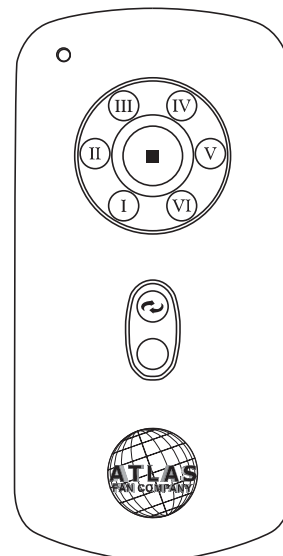


Figure 13

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. 12. 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. 13. This allows you to set your heating unit on a cooler setting without affecting your comfort.

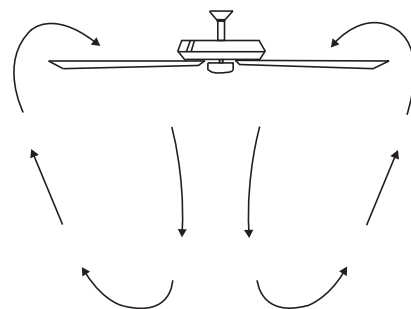


Figure 12

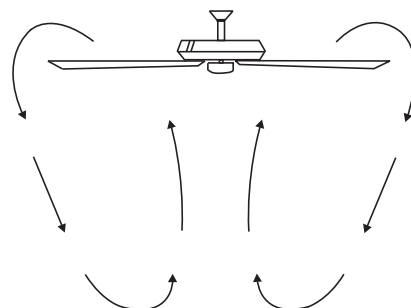


Figure 13

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">1. Check circuit fuses or breakers.2. Check line wire connections to the fan and switch wire connections in the switch housing. CAUTION: Make sure main power is off.3. Check that the battery of the remote is functional.4. Check to make sure all receiver plugs are connected at top of motor.5. Re-do steps for programming on page 8.
Fan sounds noisy.	<ol style="list-style-type: none">1. Make sure all motor housing screws are snug.2. Make sure the screws that attach the fan blade bracket to the motor hub is tight.3. Make sure wire nut connections are not rubbing against each other or the interior wall of the switch housing. CAUTION: Make sure main power is off.4. Allow a 24-hour "breaking-in" period. Most noise associated with a new fan disappear during this time.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.6. Make sure the upper canopy is a short distance from the ceiling. It should not touch the ceiling.
Remote control malfunction.	<ol style="list-style-type: none">1. Do not connect the fan with a wall mounted variable speed control(s).2. Make sure the dip switches are set correctly.
Fan wobble.	<ol style="list-style-type: none">1. Check that all blade and blade arm screws are secure.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".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. <p>WARNING: 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.</p>
Fan has jerky movement	<ol style="list-style-type: none">1. Turn the AC power off to fan, and re-do steps for programming on page 8.
Fan has lost its programming repeatedly	<ol style="list-style-type: none">1. Turn the AC power off to fan, and re-do steps for programming on page 8.2. Do not turn off fan from wall switch. Use only remote to regulate fan.