

READ AND SAVE THESE INSTRUCTIONS

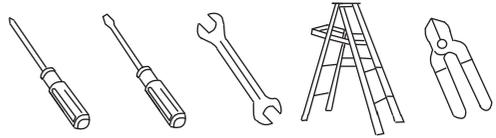
INSTALLATION INSTRUCTIONS



Model: AC-18152

1. TOOLS AND MATERIALS REQUIRED

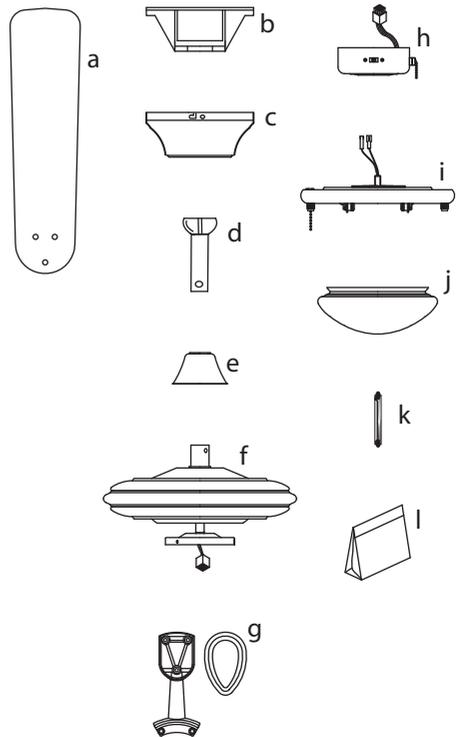
- Philips screw driver
- Blade screw driver
- 11 mm wrench
- Step ladder
- Wire cutters



2. PACKAGE CONTENTS

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

- a. Blade set (5)
- b. Hanger bracket
- c. Canopy
- d. Downrod
- e. Coupling cover
- f. Fan motor assembly
- g. Set of blades bracket (5)
- h. Switch housing
- i. Light plate
- j. Glass shade
- k. 100W Halogen bulb J-type
- l. Package hardware
 - 1) Mounting hardware :
 - wood screws (2), screws (2), lock washers (4), washers (2), wire nuts (3), rubber gasket (2)
 - 2) Blade attachment hardware:
 - screws (16), rubber washers (16)
 - 3) Close-to-ceiling attachment hardware:
 - screws with lock washers (3)
 - 4) Pull chain and fobs (2)
 - 5) Balance Kit



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. **CAUTION:** Read all instructions and safety information before installing your new fan. Review accompanying assembly diagrams.
4. **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 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 outlet box and support structure must be securely mounted and capable of reliably supporting a minimum of 50 pounds. Use only CUL Listed outlet boxes marked "**FOR FAN SUPPORT**".
6. The fan must be mounted with a minimum of 7 feet clearance from the trailing edge of the blades to the floor.
7. Do not operate the reverse switch while the fan blades are in motion. The fan must be turned off and the blades stopped before reversing the blades direction.
8. Avoid placing objects in the path of the blades.
9. To avoid personal injury or damage to the fan and other items, be cautious when working around or cleaning the fan.
10. 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.
11. 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.
12. Electrical diagrams are reference only. Light kit that are not packed with the fan must be CUL 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 FIRE, ELECTRIC SHOCK OR PERSONAL INJURY, MOUNT FAN TO OUTLET BOX MARKED "ACCEPTABLE FOR FAN SUPPORT".

ATTENTION: Canada's Office of Energy Efficiency requires this fan to be equipped with a 190 watt limiting device. If lamping exceeds 190 watts, the ceiling fan's light kit will shut off automatically.

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 CUL 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 50 lbs). Do not use plastic outlet boxes.

Figures 1,2 and 3 are examples of different ways to mount the outlet box.

Note: You may need a longer downrod to maintain proper blade clearance when installing on a steep, sloped ceiling. (Fig. 3)

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 4.

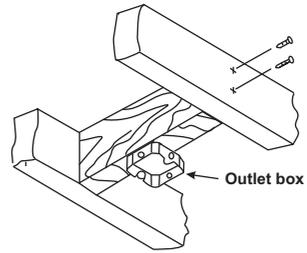


Figure 1

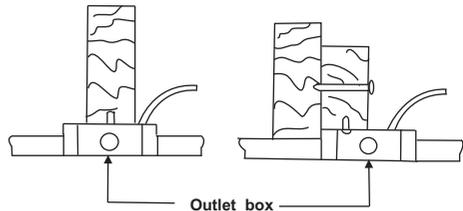


Figure 2

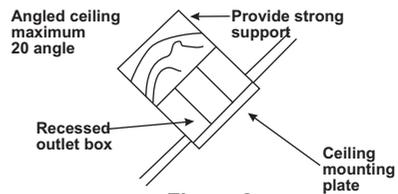


Figure 3

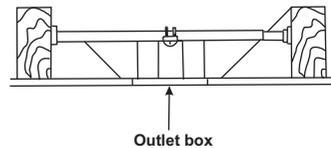


Figure 4

5. HANGING THE FAN

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

NOTE: This ceiling fan is supplied with two types of hanging assemblies; the standard ceiling installation using the downrod with ball and socket mounting and the "close-to-ceiling" installation. The "close-to-ceiling" installation is recommended in rooms with less than 8-foot ceilings or in areas where additional space is desired from the floor to the fan blades.

STANDARD CEILING INSTALLATION

Step 1. Pass the 120-volt supply wires through the center hole in the ceiling hanger bracket as shown in Fig. 5.

Step 2. Secure the hanger bracket to the ceiling outlet box with the screws and washers provided with your outlet box.

Step 3. Remove the hanger pin, lock pin and set screws from the top of the motor assembly.

Step 4. Route wires exiting from the top of the fan motor through the coupling cover, canopy and then through the ball / downrod. (Fig. 6)

Step 5. Align the holes at the bottom of the downrod with the holes in the collar on top of the motor housing. Carefully insert the hanger pin through the holes in the collar and downrod. Be careful not to jam the pin against the wiring inside the downrod. Insert the locking pin through the hole near the end of the hanger pin until it snaps into its locked position, as noted in the circle inset of Fig. 6.

Step 6. Tighten two set screws on top of the fan motor firmly. (Fig. 6)

Step 7. Place the downrod ball into the hanger bracket socket. (Fig. 7)

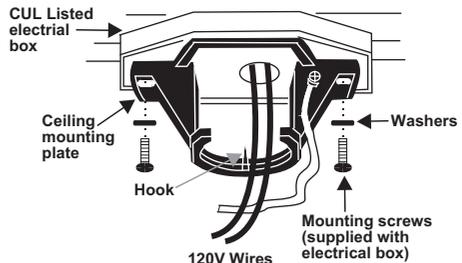


Figure 5

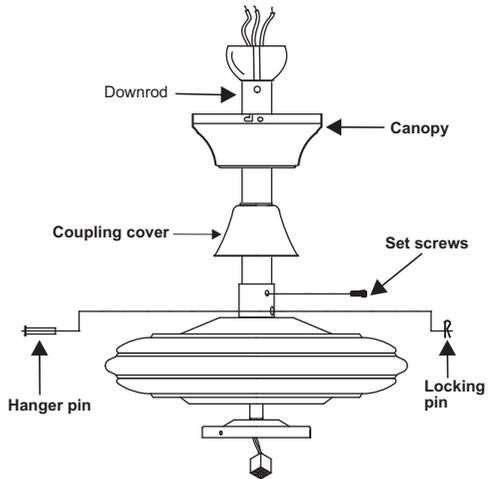


Figure 6

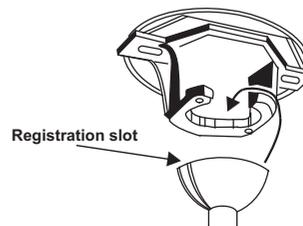


Figure 7

CLOSE-TO-CEILING INSTALLATION

1. Remove the decorative canopy bottom cover from the canopy by depressing the three studs (Fig. 8)
2. Pass the 120-volt supply wires through the center hole in the ceiling hanger bracket as shown in Fig. 5.
3. Secure the hanger bracket to the ceiling outlet box with the screws and washers provided with your outlet box.
4. Place the ceiling canopy over the collar at the top of the motor. Align the mounting holes with the holes in the motor and fasten using the screws and lock washers provided (Fig. 9).
5. Tighten the mounting screws securely. (Fig. 9)

WARNING: Failure to completely tighten the three screws in step 5 could result in fan loosening and possibly falling.

6. Hang the fan on the hook of the hanger bracket. Be certain that the canopy is fully locked into hook as shown in Fig. 10. This will allow you to make the electrical connections.

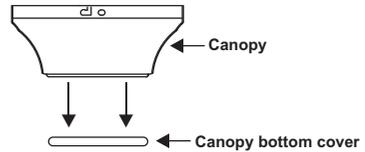


Figure 8

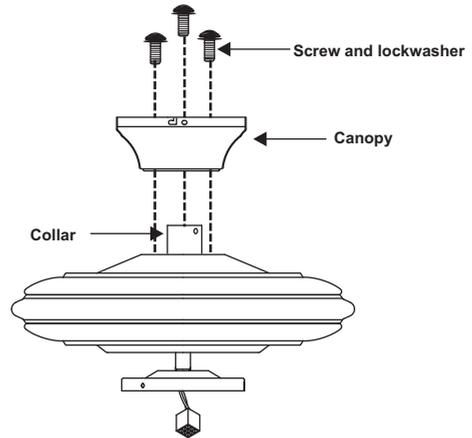


Figure 9

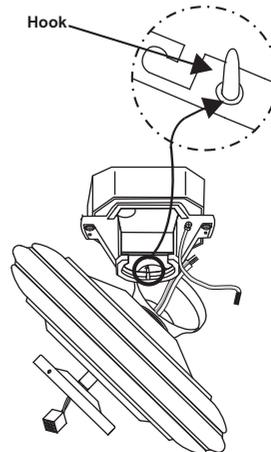


Figure 10

6. INSTALLATION OF SAFETY SUPPORT

An additional safety support is provided to prevent the fan from falling. Secure the safety cable to the ceiling joist with screw and washer, as illustrated in Figure 11.

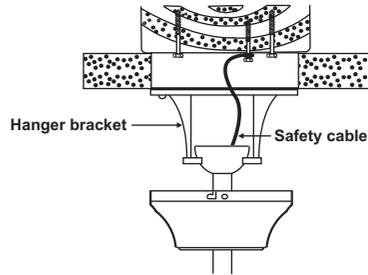


Figure 11

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.

Step 1 Connect the fan supply (black) wire and light supply (blue) wire to the black household supply wire as shown in Figure 12.

Step 2. Connect the neutral fan (white) wire to the white neutral household wire.

Step 3 Connect the fan ground wire (green) to the household ground wire.

Step 4 After connecting the wires, spread them apart so that the green and white wires are on one side of the outlet box and the black and the blue wires are on the other side.

Step 5 Turn the connecting nuts upward and push the wiring into the outlet box.

Figures 13 and 14 illustrate the wiring connections for optional wall control (The wire color out of wall control may vary, see wall control's installation manual for correct wire connections.)

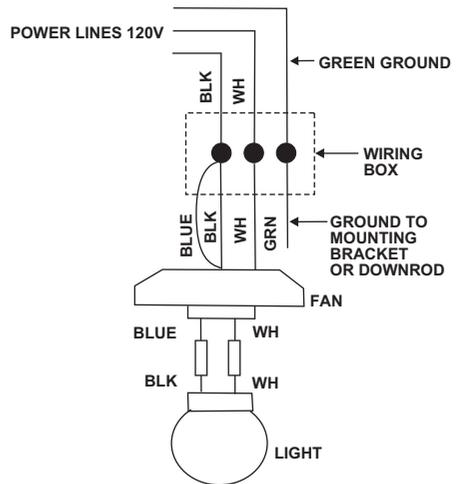


Figure 12

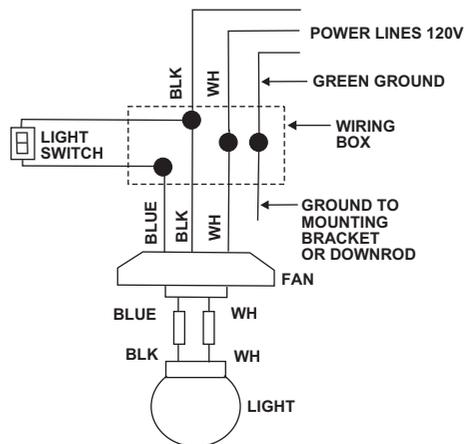


Figure 13

WARNING: TO REDUCE THE RISK OF FIRE, ELECTRIC SHOCK, OR OTHER PERSONAL INJURY. MOUNT FAN ONLY ON AN OUTLET BOX OR SUPPORTING SYSTEM MARKED ACCEPTABLE FOR FAN SUPPORT.

8. FINISHING THE INSTALLATION

STANDARD CEILING INSTALLATION

Slide canopy up to the ceiling as shown in Figure 15. Make sure you place the wires safely into the outlet box. Secure the canopy to the hanger bracket with the four screws with your fan.

CLOSE-TO-CEILING INSTALLATION

Remove the fan from the hook on the hanger bracket. Secure the canopy to the hanger bracket as shown in Figure 16 with four screws included with your fan.

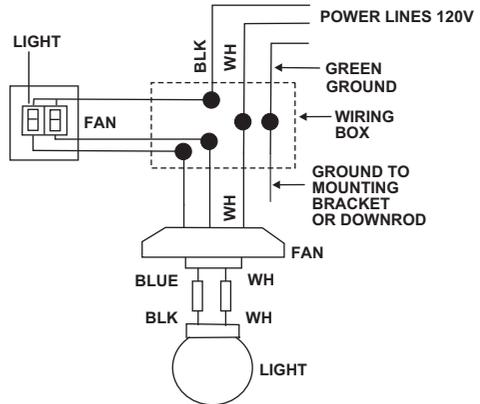


Figure 14

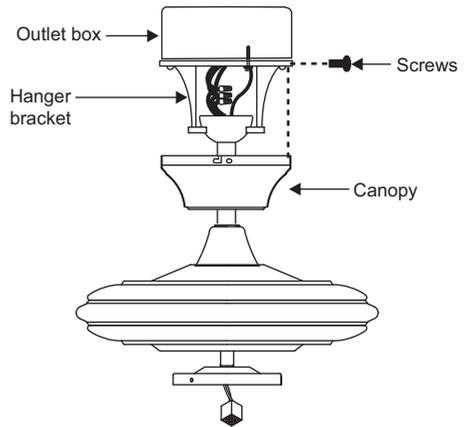


Figure 15

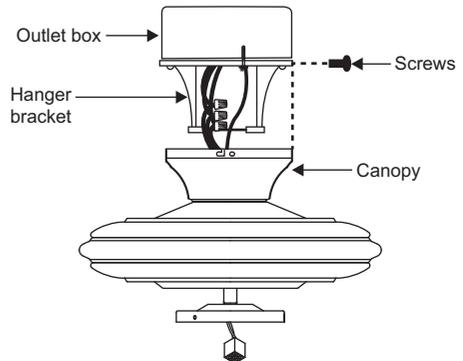


Figure 16

9. ATTACHING THE FAN BLADES

CAUTION: Remove 5 rubber packing mounts and discard before installation.

Step 1 Attach the blade to the blade bracket using the screws and rubber washers as shown in Figure 17. Start screw into bracket. Repeat for the two remaining screws.

Step 2 Tighten each screw. Make sure the blade is straight.

Step 3 Fasten blade assembly to motor using the screws supplied. (Fig. 17)

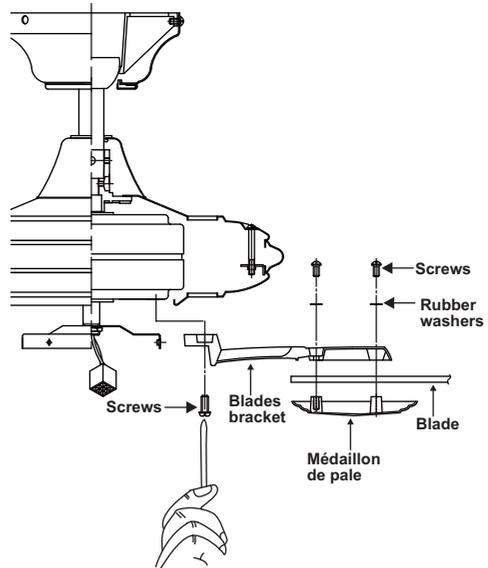


Figure 17

10. INSTALLING THE LIGHT KIT

NOTE: Before starting installation, disconnect the power by turning off the circuit breaker or removing the fuse at fuse box. Turning power off using the fan switch is not sufficient to prevent electric shock.

1. Remove and discard the plug from the switch housing. Attach the light kit to the switch housing by feeding the light kit wires (black and white) through the hole of switch housing and then screw it onto the switch housing by nut & lock washer. Be sure it is tight enough to prevent light kit from vibrating loose. (Fig. 18)

2. Locate two single white and blue wires in the switch housing labeled FOR LIGHT. Make the polarized plug connections:

- White to white
- Blue to black

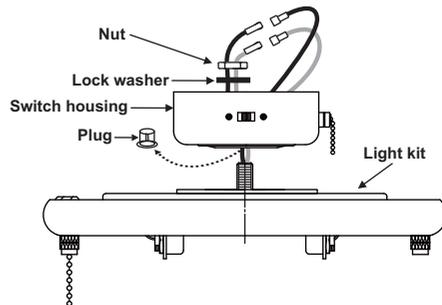


Figure 18

11. ATTACHING THE LIGHT KIT

NOTE: Before starting installation, disconnect the power by turning off the circuit breaker or removing the fuse at fuse box. Turning power off using the fan switch is not sufficient to prevent electric shock.

1. Remove the screws from the mounting plate under the fan motor.
2. While holding the switch housing under your fan, snap together the wire connection plug. (Fig. 19)
3. Raise the light kit assembly to the mounting plate until the holes in switch housing and mounting plate line up. Reinsert screws to secure in place. (Fig. 19)

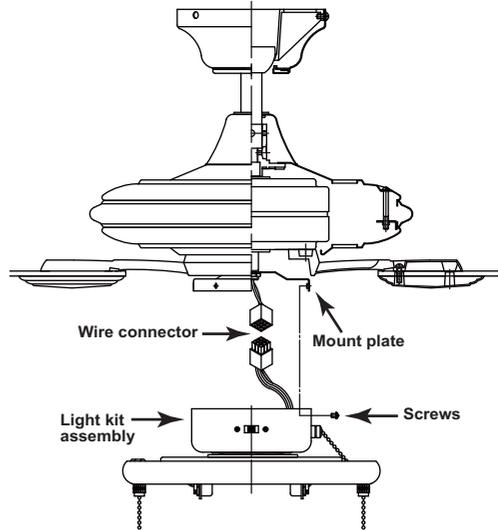


Figure 19

12. ATTACHING THE LIGHT BULB AND GLASS SHADE

WARNING: Shut off the power supply before removing or replacing lamp. In handling of halogen bulb, care should be taken not to touch it with your bare hands. Oil residue will shorten the life of the halogen bulb. If you accidentally come into contact, wipe thoroughly with a clean, lint-free, cotton cloth. Allow the bulb to cool off for 10 minutes before changing the bulb. Use light bulb in accordance with the fan's specification. **TO REDUCE THE RISK OF FIRE DO NOT EXCEED MAXIMUM WATTAGE RATING.**

1. Install 100W halogen bulb J-type (included).
2. Mount the glass shade to the light fixture by unscrewing partway the thumb screws on the glass holder, insert the glass, then gently tighten the thumb screws by hand evenly to the glass. **DO NOT OVER TIGHTEN.** (Fig. 20)
3. Restore power and your light kit is ready for operation.

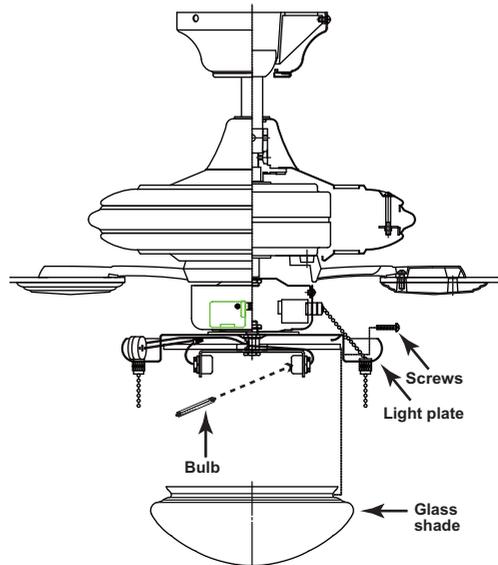


Figure 20

13. OPERATING INSTRUCTIONS

NOTE: Wait for fan to stop before changing the setting of the slide switch.

Turn on the power and check the operation of your fan.

1. 3-speed pull chain- it controls the fan speed as follows: 1 pull- High, 2 pulls- Medium, 3 pulls- Low, and 4 pulls- Off.

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

2. Light pull chain it controls the light in "ON" or "OFF".

The slide switch controls directions: forward (switch left) or reverse (switch right).

Warm weather - (Forward) A downward air flow creates a cooling effect as shown in Figure 21. This allows you to set your air conditioner on a higher setting without affecting your comfort.

Cool weather - (Reverse) An upward airflow moves warm air off the ceiling area as shown in Figure 22. This allows you to set your heating unit on a lower setting without affecting your comfort.

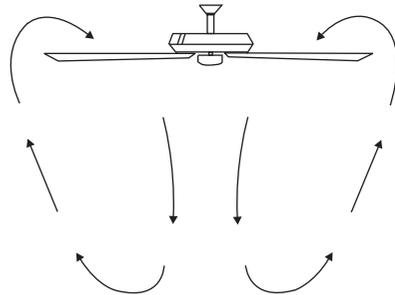


Figure 21

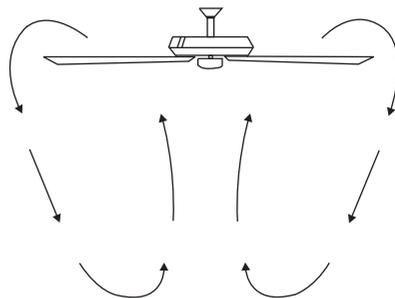


Figure 22

14. 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 sealed ball bearings.

15. TROUBLESHOOTING

Problem	Solution
Fan will not start.	<ol style="list-style-type: none">1. Check main and branch circuit fuses or breakers.2. Check line wire connections to the fan and switch wire connections in the switch housing.
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 are tight.3. Make sure wire nut connections are not rattling against each other or the interior wall of the switch housing.4. Allow a 24-hour "breaking-in" period. Most noises associated with a new fan disappear during this time.5. If using ceiling fan light kit, make sure the screws securing the glassware are tight. Check that the light bulb is also secure.6. Make sure there is a short distance from the ceiling to the canopy. It should not touch the ceiling.7. Make sure your ceiling box is secure and rubber isolator pads are used between mounting bracket and outlet box.
Lights shut off and will not come back on.	<ol style="list-style-type: none">1. This unit may be equipped with a wattage limiting device. Lamping in excess of 190 watts will disable your ceiling fan's light kit. To reset your light kit you must turn the power off and relamp, keeping the wattage under 190 watts. Restore power to your ceiling fan and continue normal operation.
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. Use the enclosed Blade Balancing Kit if the blade wobble is still noticeable.4. 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>