



CEILING FAN OWNER'S MANUAL

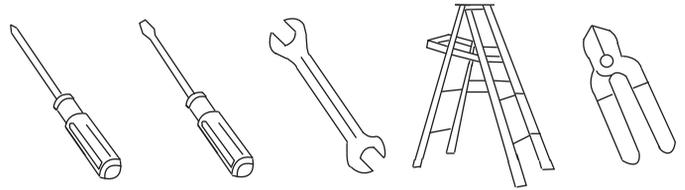
READ AND SAVE THESE INSTRUCTIONS

**MODEL: 52P-646-5RV-187
52P-646-5RV-323**

**FAN RATING AC 120V. 60Hz
CUL LISTED MODEL : AC-552A**

1. TOOLS AND MATERIALS REQUIRED

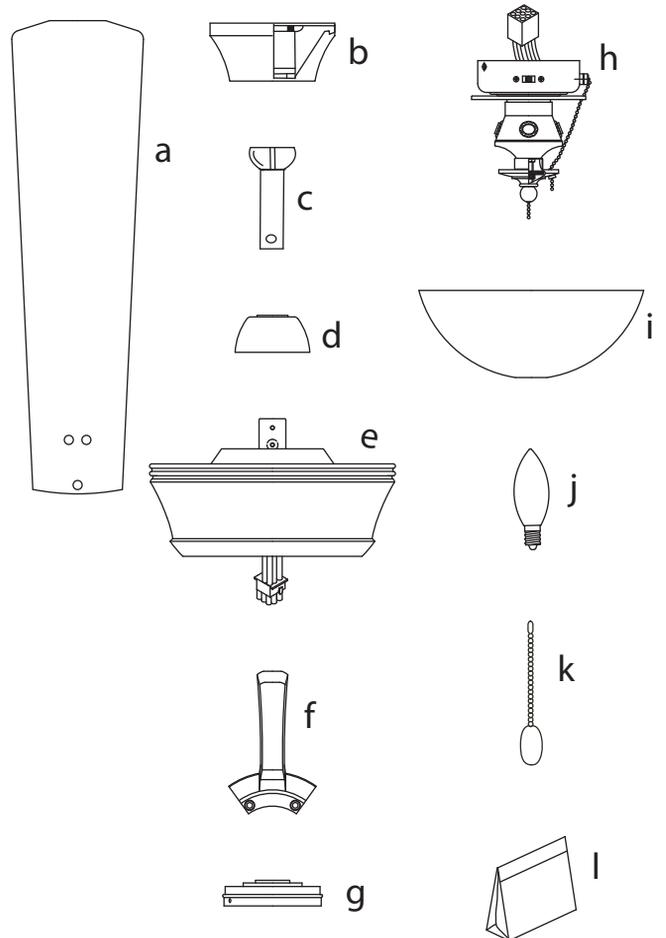
- Philips screw driver
- Blade screw driver
- 11 mm wrench
- Step ladder
- Wire cutters



2. PACKAGE CONTENTS

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

- a. Blade set (5)
- b. Hanger bracket assembly
- c. Downrod
- d. Coupling cover
- e. Fan motor assembly
- f. Set of blades bracket (5)
- g. Mounting plate
- h. Light kit
- i. Glass shade
- j. 3 x40W candelabra bulbs
- k. Pull chain and fob (2)
- l. Package hardware
 - 1) Mounting hardware :
screws (2), lock washers (2), star washers (2), wire nuts (3)
wood screws (2), washers (2).
 - 2) Blade attachment hardware:
screws (16), fiber washers (16)
 - 3) Blade arm hardware:
screws with lock washers (11)
 - 4) Safety cable hardware:
wood screw, lock washer,
metal washer
 - 5) Extra plastic plug
 - 6) 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. **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 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.
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**".

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 reversing switch while fan blades are in motion. Fan must be turned off and blades stopped before reversing blade direction.
8. Avoid placing objects in the path of the blades.

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.

ATTENTION
Under the Energy Policy Act of 2005, federal regulations require all ceiling fans with light kits manufactured or imported after January 1, 2009, to limit the total wattage consumed by the light kit to 190 watts. Therefore, this product is equipped with a 190W limiting device. If lamping exceeds 190 watts, the light kit will shut off automatically until the proper wattage of bulbs are installed. Reset the light kit by turning it off, replacing the bulbs with the correct wattage, and then turning the light kit back on.

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.

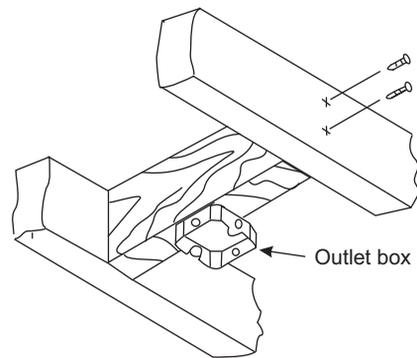


Figure 1

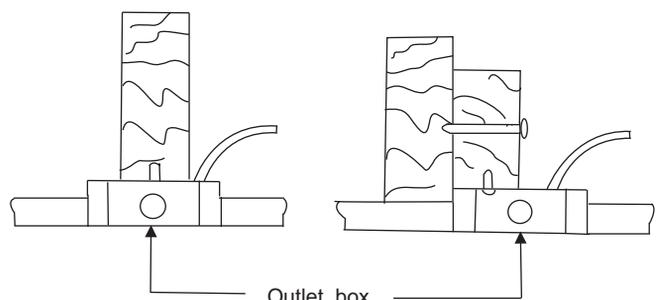


Figure 2

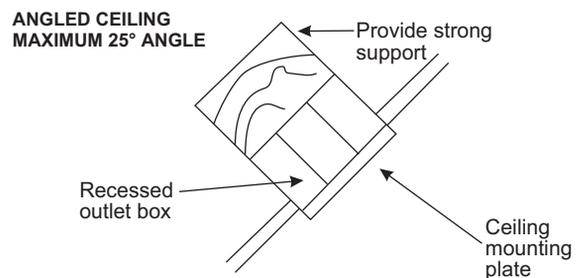


Figure 3

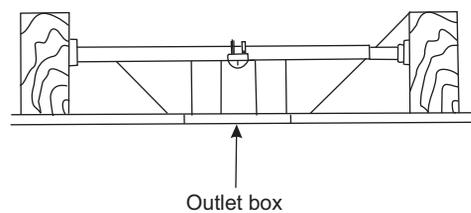


Figure 4

5. HANGING THE FAN

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

Step 1. Remove the decorative canopy bottom cover from the canopy by turning the cover counter clockwise. (Fig. 5)

Step 2. Remove the hanger bracket from the canopy by removing the 1 of 2 screws from the bottom of the hanger bracket and loosening the other one a half turn from the screw head. Next, turn the canopy counter clockwise to removing the hanger bracket from the canopy. (Fig. 5)

Step 3. Pass the 120-volt supply wires through the center hole in the ceiling hanger bracket as shown in Fig. 6.

Step 4. Secure the hanger bracket to the ceiling outlet box with the screws and washers provided with your outlet box.

Step 5. Remove the hanger pin, lock pin and set screws from the top of the motor assembly.

Step 6. Route wires exiting from the top of the fan motor through the canopy cover, canopy and then through the ball / downrod. (Fig. 7)

Step 7. Align the holes at the bottom of the downrod with the holes in the collar on top of the motor housing. (Fig.7) 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. (Fig. 7)

Step 8. Tighten two set screws on top of the fan motor firmly. (Fig. 7)

Step 9. Place the downrod ball into the hanger bracket socket. (Fig. 8)

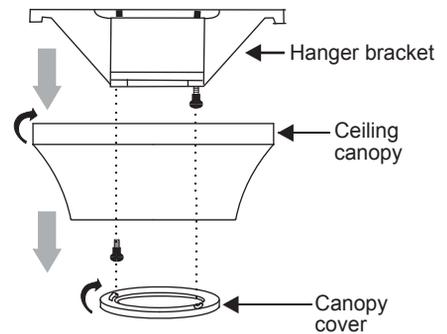


Figure 5

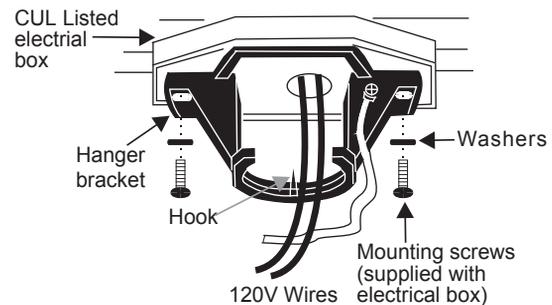


Figure 6

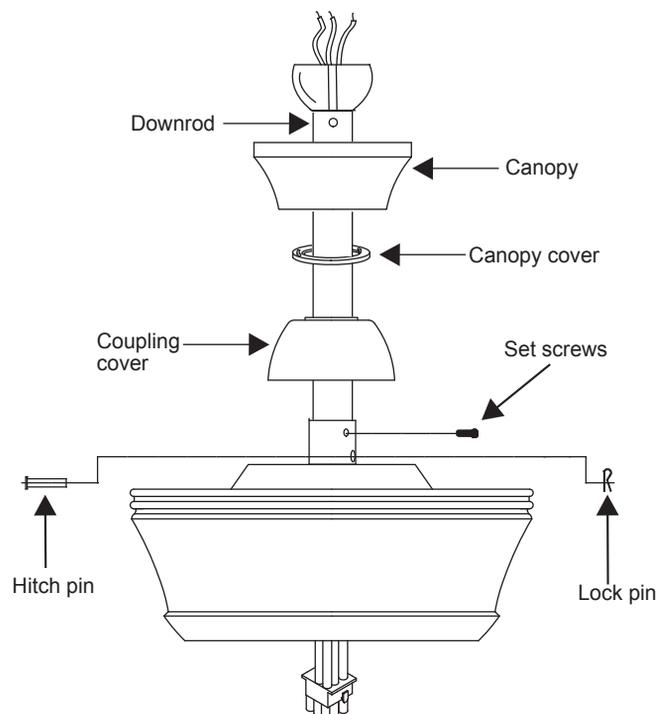


Figure 7

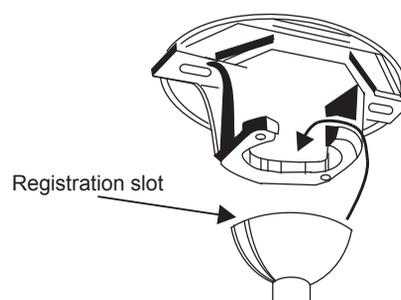


Figure 8

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 9.

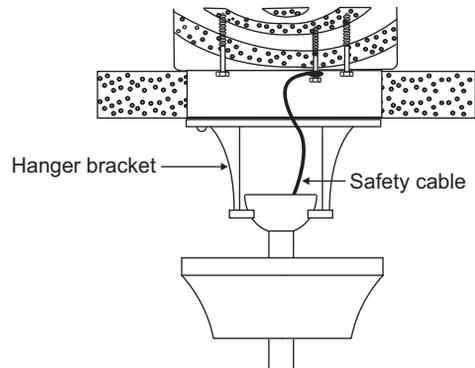


Figure 9

7. MAKE THE ELECTRIC CONNECTIONS

REMEMBER to disconnect the power. If you feel that you do not have enough electrical wiring knowledge or experience, have your fan installed by a licensed electrician.

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 Fig. 10.

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

Step 3 Connect the two green fan ground wires, located on the mounting plate and motor, 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 wire is on the other side.

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

WARNING: TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT USE A WALL MOUNTED SOLID STATE SPEED CONTROL WITH THIS FAN.

SUPPLY CIRCUIT

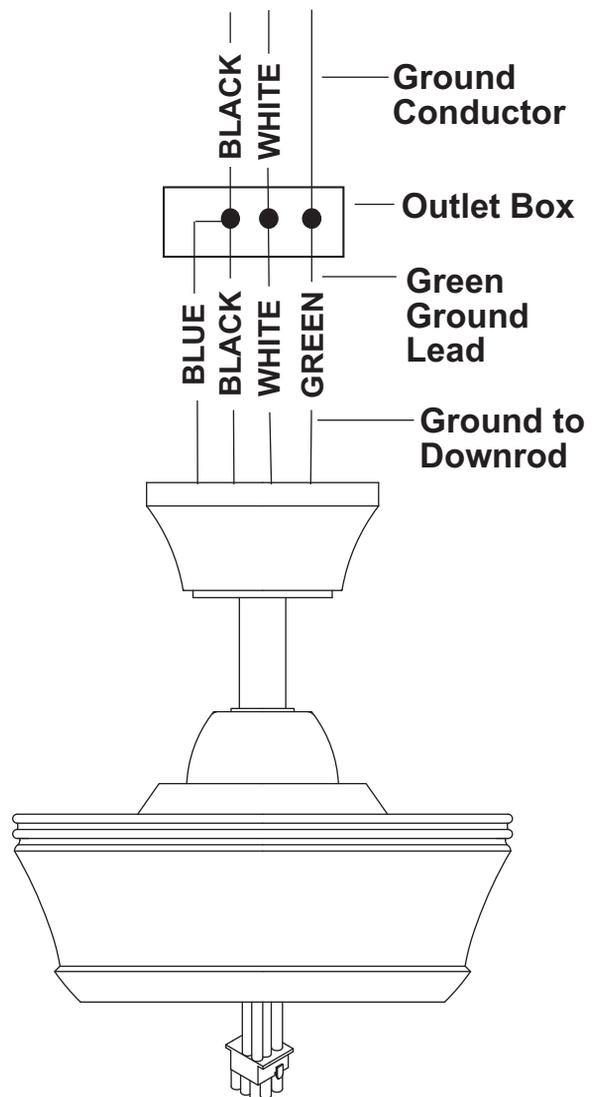


Figure 10

8. FINISHING THE INSTALLATION

Step 1. Tuck connections neatly into ceiling outlet box.

Step 2. Slide the canopy up to hanger bracket and place the key hole on the canopy over the screw on the hanger bracket, turn canopy until it locks in place at the narrow section of the key holes.

Step 3. Align the circular hole on canopy with the remaining hole on the hanger bracket, secure by tightening the two set screws.

Note: Adjust the canopy screws as necessary until the canopy and canopy cover are snug. (Fig.11)

Warning: Make sure tab at bottom of hanger bracket is properly seated in groove of hanger ball before attaching canopy to bracket. Failure to properly seat tab in groove could cause damage to electrical wiring.

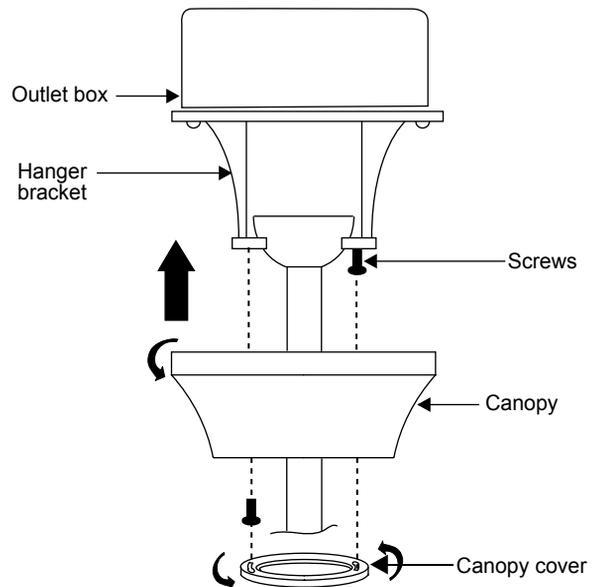


Figure 11

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 fiber washers as shown in Figure 12. 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. 12)

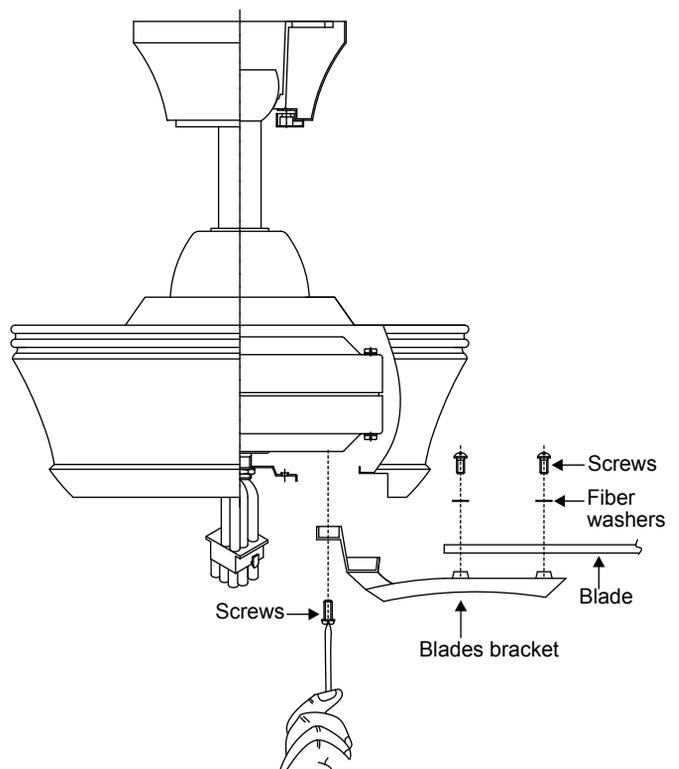


Figure 12

10. INSTALLING THE MOUNTING PLATE

1. Remove the 1 of 3 screws from the mounting ring and loosen the other 2 screws. (Do not remove)
2. Place the key holes on the mounting plate over the 2 screws previously loosened from the mounting ring, turn mounting plate until it locks in place at the narrow section of the key holes. Secure by tightening the 2 screws previously loosened and the one previously removed. (Fig. 13)

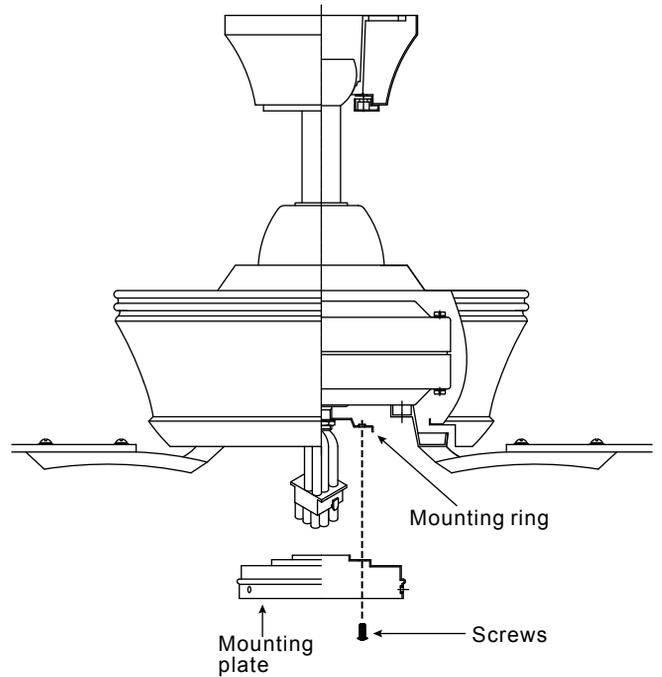


Figure 13

11. 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 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. 14)
3. Raise the light kit to the mounting plate until the holes in light kit and mounting plate line up. Reinsert screws to secure in place. (Fig. 14)

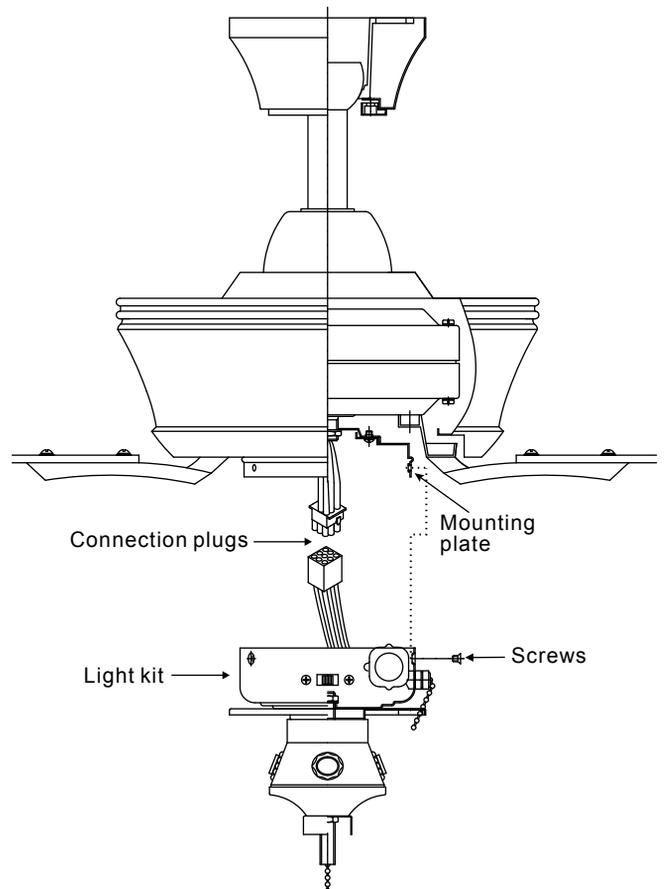


Figure 14

12. INSTALLING THE LIGHT BULBS & GLASS SHADE

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. Install 3 x 40W candelabra bulbs (included).
2. Insert the fan pull chain through the eyelet in the shade and cap. Also insert the light kit pull chain through the shade and cap. (Fig. 15)
3. Remove the metal nut, glass cap and decorative nut from the light kit. Place glass shade over the light kit stem, secure with the metal nut (rubber side on the top), glass cap and decorative nut. Do not overtighten. (Fig. 15)

Note: Make sure to leave enough space between the fan pull chain and the bulbs so the chain doesn't rub against any of the bulbs.

13. FAN WITHOUT LIGHT KIT (OPTIONAL)

1. Disassemble the switch housing from the light kit by removing nut and washer on the center of switch housing, you can keep the light kit for future use.
2. Attach the plastic plug to the switch housing. (Fig. 16)
3. While holding the switch housing under your fan, snap together the wire connection plug. (Fig. 16)
4. Install the switch housing to the mounting plate with screws provided. (Fig. 16)

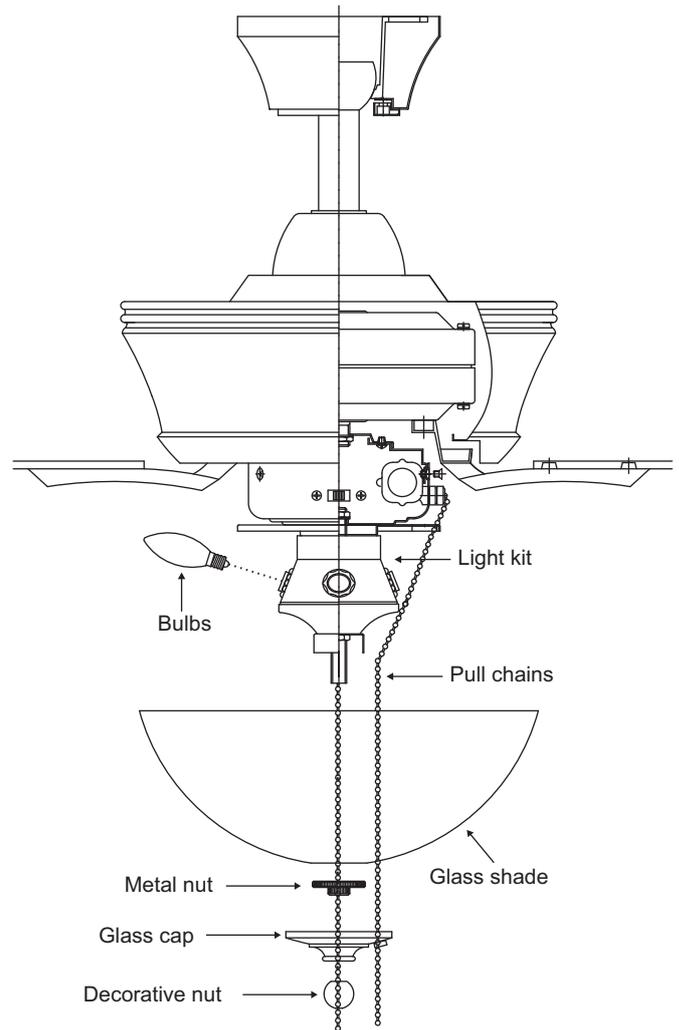


Figure 15

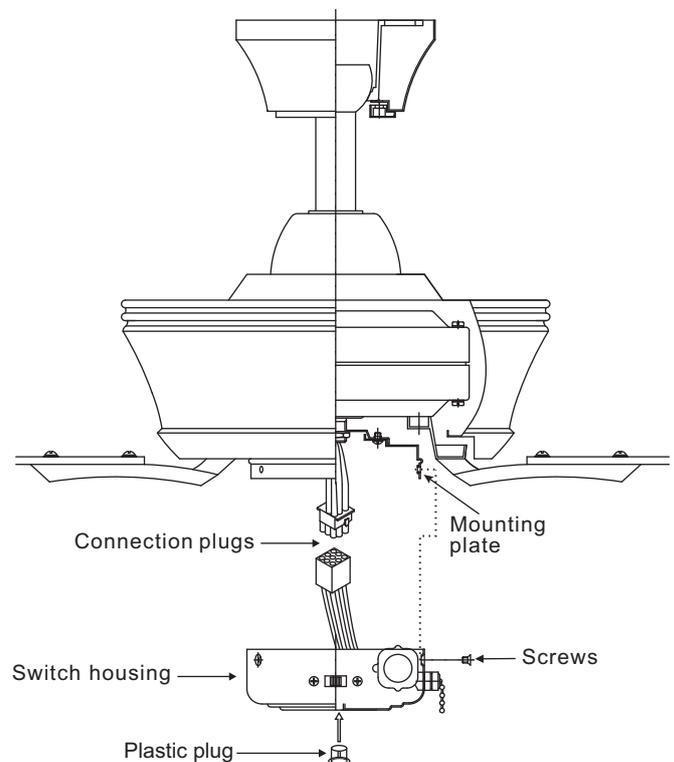


Figure 16

14. OPERATING YOUR FAN

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. The pull chain controls the fan speed as follows:

1 pull- High, 2 pulls-Medium, 3 pulls- Low, and 4 pulls-Off.

Light pull chain it controls the light in "ON" or "OFF".Speed settings for warm or cool weather depend on factors such as the room size, ceiling height, number of fans and so on.

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

Warm weather - (Forward) A downward airflow creates a cooling effect as shown in Fig. 17. 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. 18. This allows you to set your heating unit on a cooler setting without affecting your comfort.

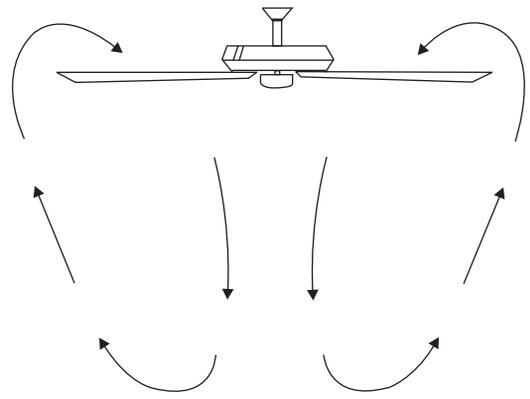


Figure 17

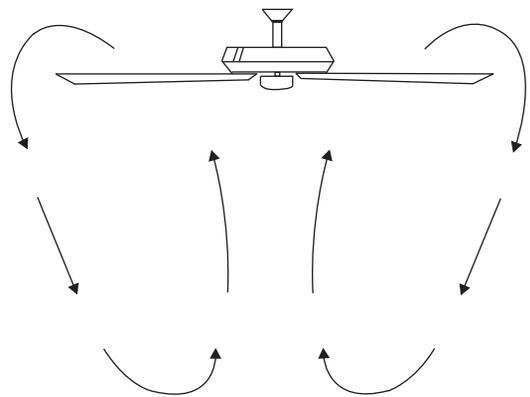


Figure 18

15. 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.
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. If using an optional light kit, make sure the screws securing the glassware are tight. Check that light bulb is also secure.6. 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.7. Make sure the upper canopy is a short distance from the ceiling. It should not touch the ceiling.
Lights shut off and will not come back on.	<ol style="list-style-type: none">1. This unit is 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 re lamp, keeping the wattage under 190 watts. Restore power to your ceiling fan and continue normal operation.