13. TROUBLESHOOTING

Problem	Solution
Fan will not start.	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.	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.

SAVOY HOUSE

CEILING FAN OWNER'S MANUAL

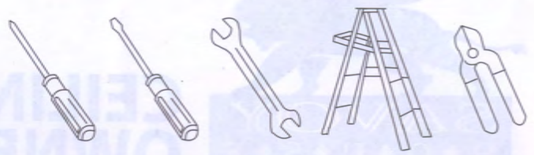
READ AND SAVE THESE INSTRUCTIONS

MODEL: 52-5095-545-45
52-5095-5RV-109
52-5095-5RV-13
52-5095-5RV-SN
52-5095-5RV-WH

FAN RATING AC 120V. 60Hz
UL LISTED MODEL : AC-552

1. TOOLS AND MATERIALS REQUIRED

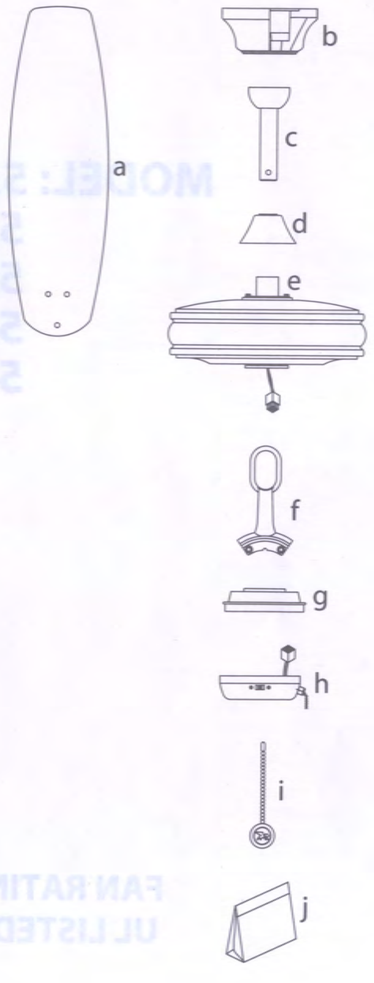
- Philips screw driver
- Blade screw driver
- 11 mm wrench
- Step ladder
- Wire cutters



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. Switch housing
i. Pull chains and fobs
j. 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) Balance Kit



11. 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. 19. 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. 20. This allows you to set your heating unit on a cooler setting without affecting your comfort.

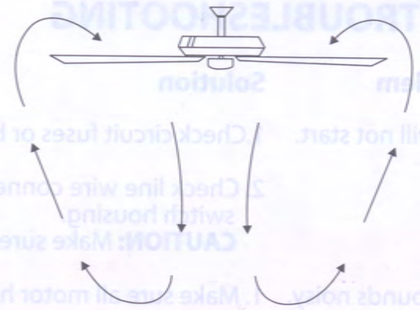


Figure 19

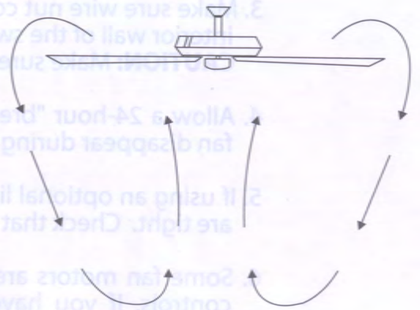


Figure 20

12. 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".

10. INSTALLING THE SWITCH HOUSING

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.

Step 1. Remove the screws from the mounting plate under the fan motor.

Step 2. While holding the switch housing under your fan, snap together the wire connection plug. (Figure 18)

Step 3. Raise the switch housing to the mounting plate until the holes in switch housing and mounting plate line up. Reinsert screws to secure in place. (Figure 18)

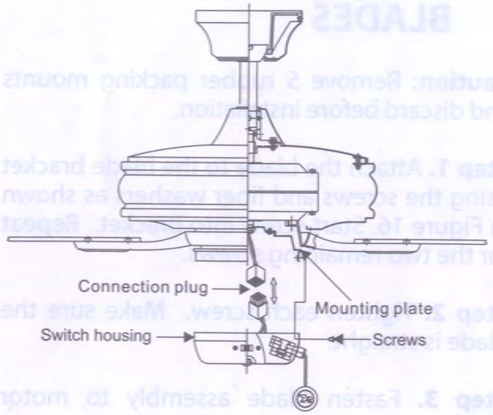


Figure 18

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.

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 UL 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.

9. **WARNING:** Use only with light kit marked "Suitable for Use in Wet Locations".

10. To avoid personal injury or damage to the fan and other items, be cautious when working around or cleaning the fan.

11. 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.

12. 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.

13. 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 UL 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 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)

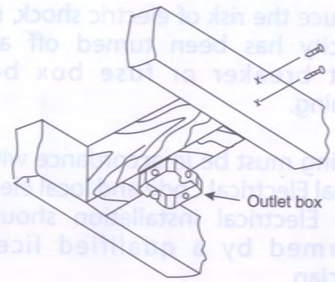


Figure 1

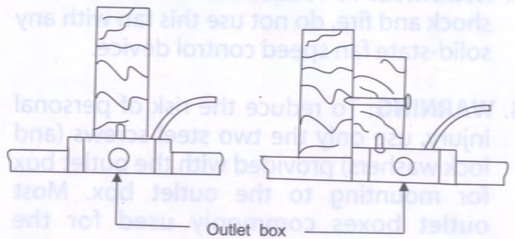


Figure 2

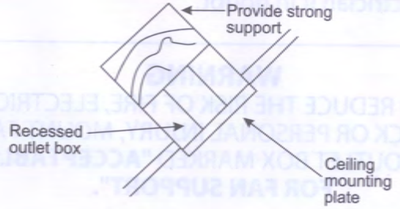


Figure 3

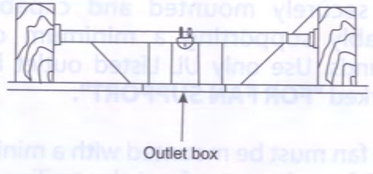


Figure 4

8. 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 16. 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. 16)

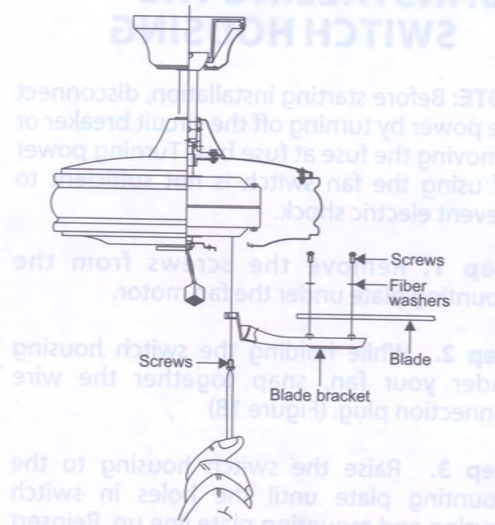


Figure 16

9. INSTALLATING THE MOUNTING PLATE

Step 1. Remove the 1 of 3 screws from the mounting ring and loosen the other 2 screws. (Do not remove)

Step 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. 17)

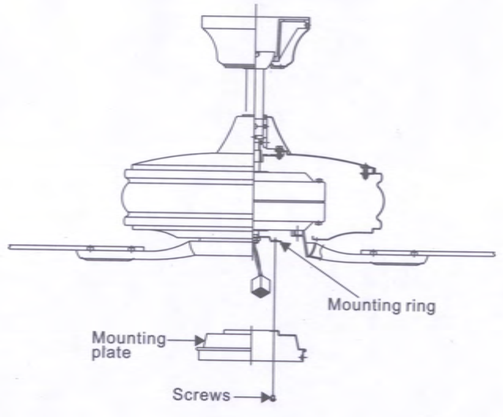


Figure 17

7. FINISHING THE INSTALLATION

STANDARD CEILING INSTALLATION

Slide canopy up to the ceiling as shown in Figure 14. 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 15 with four screws included with your fan.

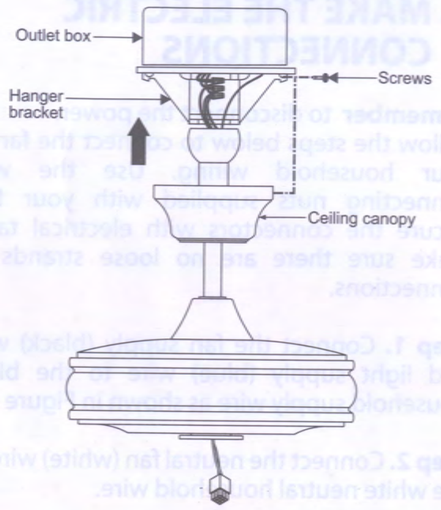


Figure 14

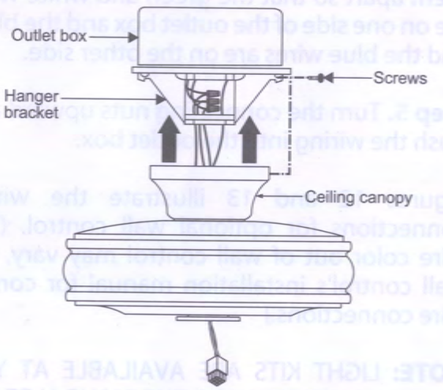


Figure 15

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-feet 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 hitch 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 canopy, coupling cover 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 (Fig.6). Carefully insert the hitch 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 hitch 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)

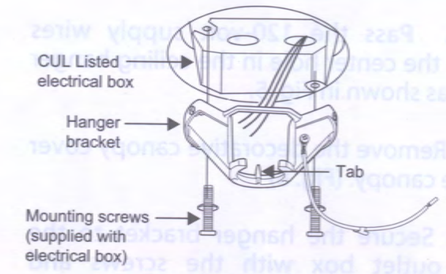


Figure 5

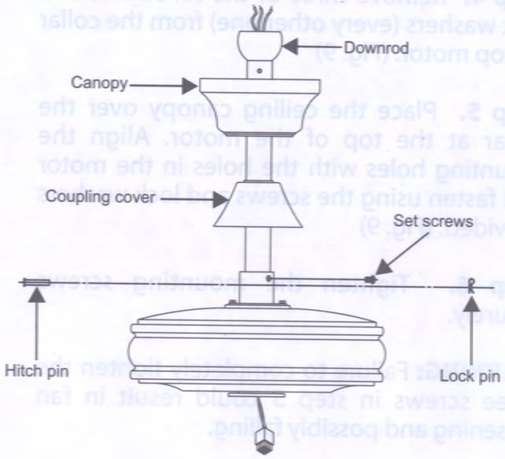


Figure 6

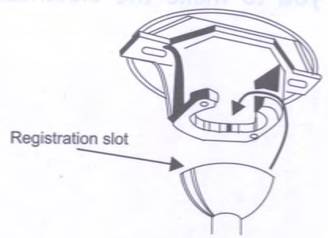


Figure 7

CLOSE-TO-CEILING INSTALLATION

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

Step 2. Remove the decorative canopy cover from the canopy. (Fig. 8)

Step 3. Secure the hanger bracket to the ceiling outlet box with the screws and washers provided with your outlet box.

Step 4. Remove three of the six screws and lock washers (every other one) from the collar of top motor. (Fig. 9)

Step 5. 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)

Step 6. Tighten the mounting screws securely.

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

Step 7. 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.

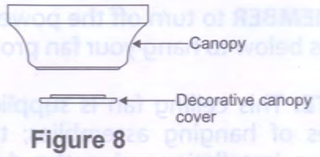


Figure 8

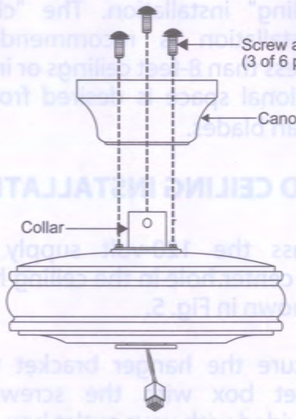


Figure 9

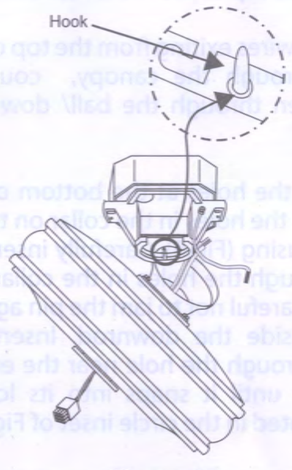


Figure 10

6. 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 11.

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 12 and 13 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.)

NOTE: LIGHT KITS ARE AVAILABLE AT YOU SAVOY HOUSE RETAILER. THE FAN IS ALREADY WIRED TO SUPPORT THE LIGHT KIT OPTION.

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.**

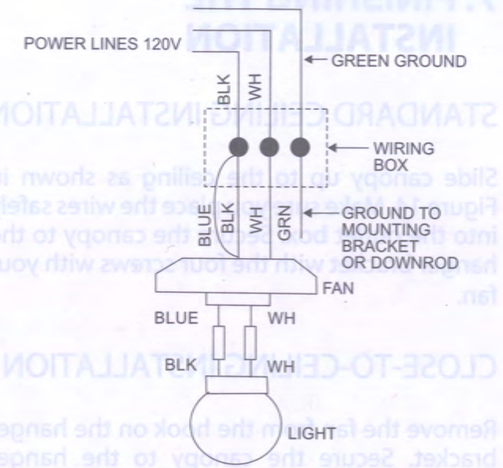


Figure 11

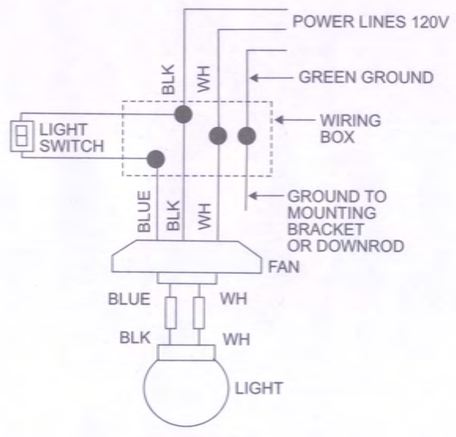


Figure 12

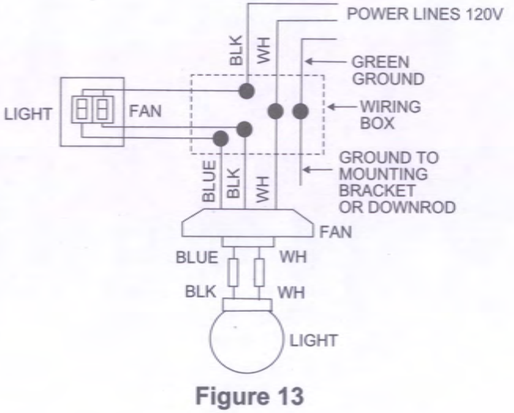


Figure 13