

60" Enthral

A Kichler® Select™ ceiling fan



Includes our new
Wall Control System



KICHLER®

Kichler® Lighting
7711 East Pleasant Valley Road
P.O. Box 318010
Cleveland, Ohio 44131-8010

Customer Service
866.558.5706
8:30 AM to 5:00 PM EST,
Monday - Friday

Instruction Manual

KICHLER®

1. 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:** Suitable for use with solid-state speed controls.
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 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. 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 kits 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".

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.

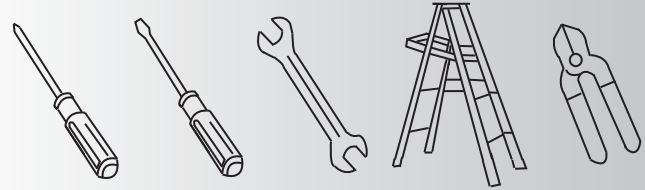
Special Notice

This appliance is equipped with a "Wattage Limiting Device" required by the United States Department of Energy. The device has been installed at the factory and can not be removed.

Installing Lamps in excess of 190 total watts will disable the unit's light fixture. If this should happen, you will need to reset the lighting fixture by turning the power off to the ceiling fan and/or light fixture, reinstalling lamps totaling less than 190 watts and then turning the power back on.

2. TOOLS AND MATERIALS REQUIRED

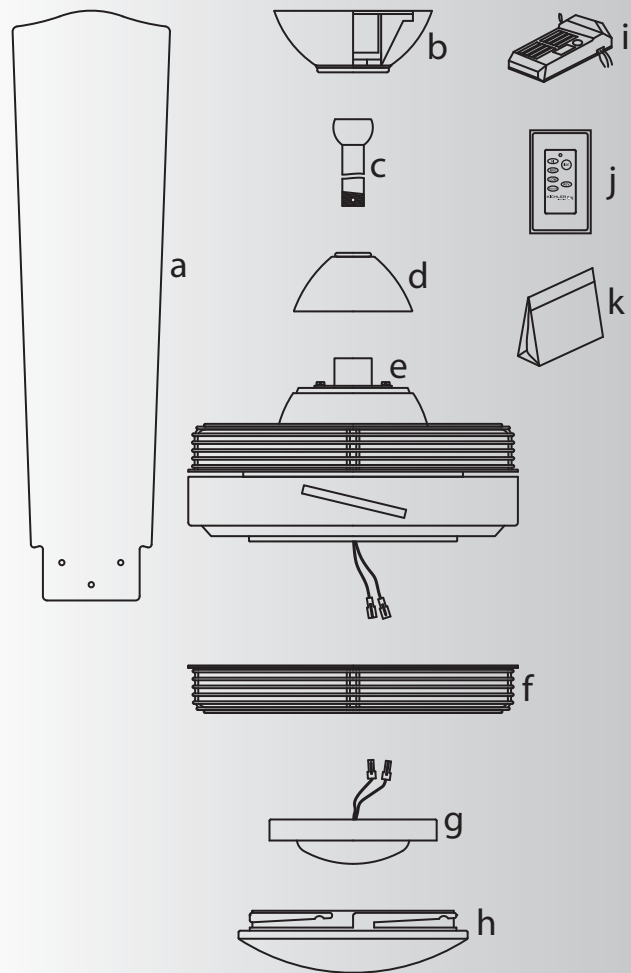
- Philips screw driver
- Blade screw driver
- 11 mm wrench
- Step ladder
- Wire cutters



3. PACKAGE CONTENTS

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

- a. Fan blades (5)
 - b. Canopy & Ceiling mounting bracket
 - c. Ball/downrod assembly
 - d. Coupling cover
 - e. Fan motor assembly
 - f. Mounting plate
 - g. 17W LED light kit
 - h. Glass shade
 - i. Receiver
 - j. Wall Transmitter
 - k. Part bag contents
- 1) Mounting hardware:
wood screws (2), flat washers (2),
star washers (2), wire nuts (3),
screws (2)
 - 2) Blade attachment hardware:
screws (17), fiber washers (17)
 - 3) Safety cable hardware:
wood screw, spring washer, flat washer
 - 4) Balance Kit



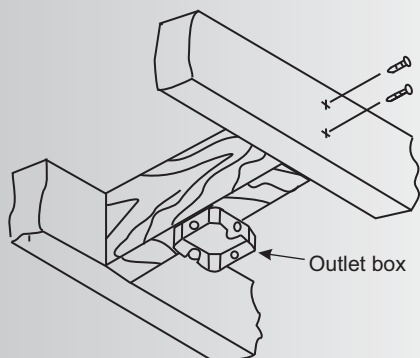


Fig. 1

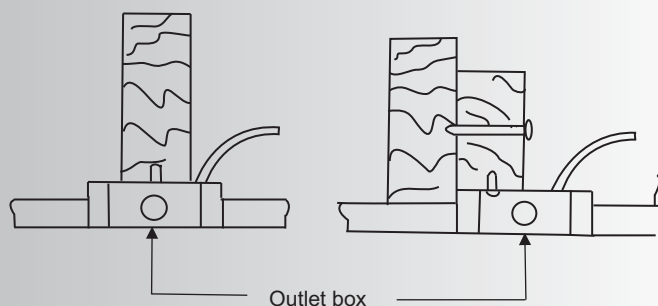


Fig. 2

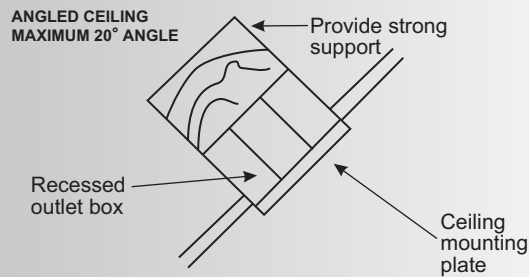


Fig. 3

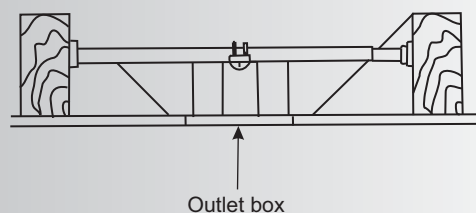


Fig. 4

4. MOUNTING OPTIONS

If there isn't an existing UL (cUL for Canadian Installation) 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: If you are installing the ceiling fan on a sloped (vaulted) ceiling, you may need a longer downrod to maintain proper clearance between the tip of the blade and the ceiling. A minimum clearance of 12" is suggested for optimal operation.

NOTE: Depending on the location you have selected for installation, you may need to purchase and install a "Joist Hanger" for the support of the outlet box. Make sure the joist hanger you purchase has been designed for use with ceiling fans. (Fig. 4)

5. ATTACHING THE FAN BLADES

Step 1. Remove the top motor cover from the top of the motor by removing the six screws from the top motor cover. (Fig. 5)

Step 2. Insert the blade through the blade slot in the motor housing. Align the holes in blade and blade bracket, making sure the holes are also aligned and secure with the screws and fiber washers provided. Repeat process with other blades. (Fig. 6)

Step 3. Attach each blade assembly to the motor using the "Pre-Installed" mounting screws in the blade bracket. (Fig 6)

Step 4. Reinstall the top motor cover to the motor using the six screws previously removed. (Fig. 7)

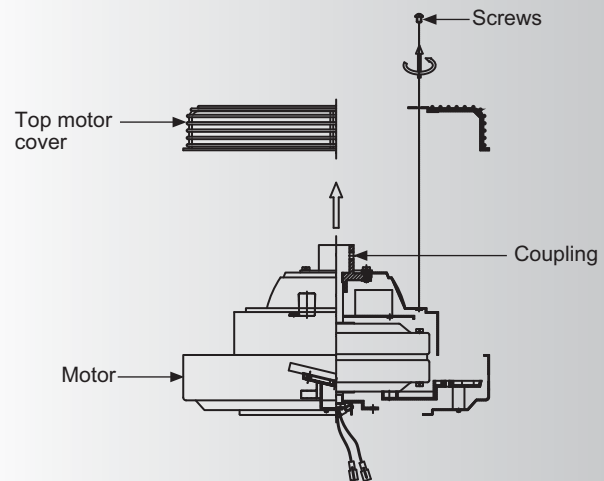


Fig. 5

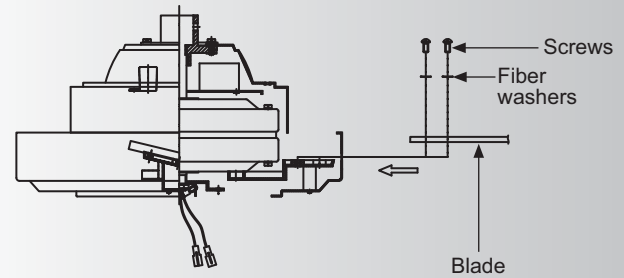


Fig. 6

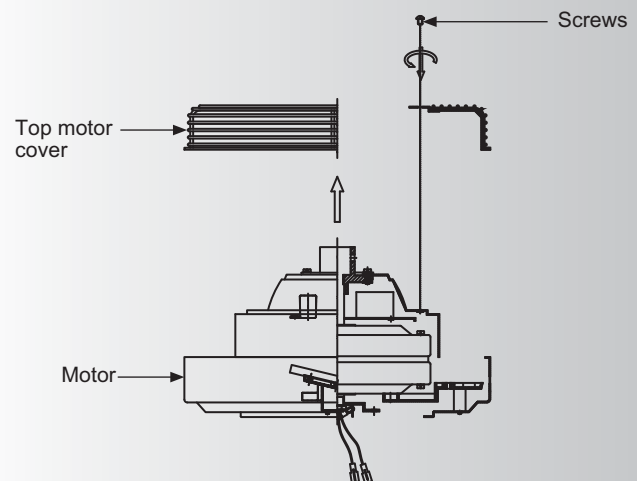


Fig. 7

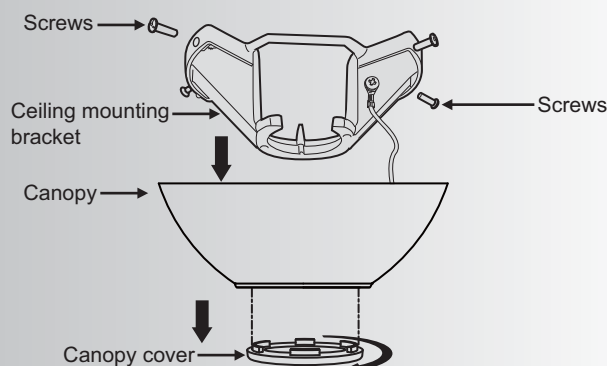


Fig. 8

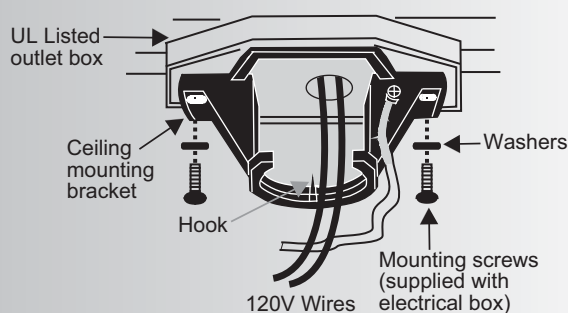


Fig. 9

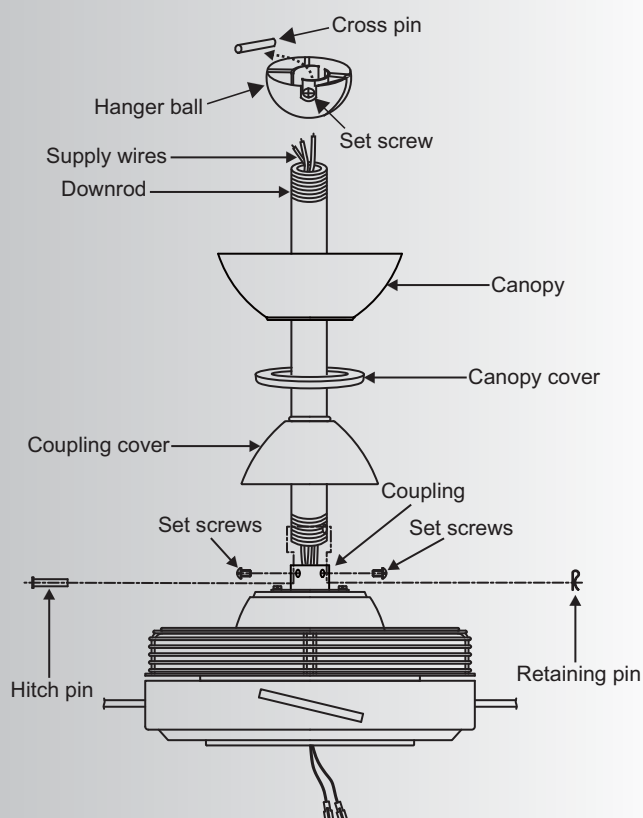


Fig. 10

6. HANGING THE FAN

NOTE: This ceiling fan is supplied with two types of hanging assemblies; a downrod and canopy mounting system and a "close to ceiling" Canopy ONLY system. 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. Once you have selected which mounting system you will use, proceed with the following instructions. Where necessary, each section of the instructions will note the different procedures to follow for the two types of mounting.

REMEMBER to turn off the power before you begin.

To properly install your ceiling fan, follow the steps below.

Step 1. Remove the decorative canopy bottom cover from the canopy. (Fig. 8)

Step 2. Loosen the four screws on the top of the canopy. Remove the two non-slotted screws and loosen the slotted screws. This will enable you to remove the ceiling mounting bracket. (Fig. 8)

Step 3. Remove the ceiling mounting bracket from the canopy by loosening the two screws on the bottom of the ceiling mounting bracket. Turn the canopy counterclockwise and remove. (Fig. 8)

Step 4. Pass the 120 volt supply wires from the ceiling outlet box through the center of the ceiling mounting bracket. (Fig. 9)

Step 5. Attach the ceiling mounting bracket to the outlet box using the screws and washers included with the outlet box. (Fig. 9)

STANDARD CEILING INSTALLATION

Step 1. Remove the hanger ball from the downrod assembly by loosening the set screw, removing the cross pin and unscrewing the ball off the rod. (Fig. 10)

Step 2. Loosen the two set screws and remove the hitch pin and retaining clip from the coupling on top of the motor assembly. (Fig. 10)

Step 3. Carefully feed the electrical lead wires from the fan up through the downrod. Thread the downrod into the coupling until the Hitch pin holes are aligned.

Next, replace the hitch pin and retaining clip. Tighten both set screws. (Fig. 10)

Step 4. Slip the rubber cover, canopy cover, and canopy onto the downrod.

Thread the hanger ball onto the downrod, insert the cross pin through the downrod and tighten. Now tighten the set screw. (Fig. 10)

Step 5. Lift the motor assembly into position and place the hanger ball into the ceiling mounting bracket.

Rotate the entire assembly until the "Check Tab" has dropped into the "Registration Slot" and seats firmly. (Fig. 11)

The entire motor assembly should not rotate (left or right) when seated properly.

WARNING: Failure to reattach the cross pin and seat the "Check Tab" can cause the fan to fall from the ceiling during operation. Take special care to make sure this pin is reattached.

CLOSE-TO-CEILING INSTALLATION

Step 1. Remove three of the six screws and lock washers (every other one) from the collar on top of the motor assembly. Place the ceiling fan canopy and the rubber gasket over the collar and align the mounting holes with the holes in the collar. Attach the canopy with the rubber gasket and the three screws and lock washers previously removed. (Fig. 12)

WARNING: Failure to completely tighten the three mounting screws in step 12 could result in the fan possibly falling from the ceiling.

Step 2. Hang the fan on the ceiling mounting bracket by inserting the hook on the inside edge of the ceiling mounting bracket through one of the screw holes in the ceiling canopy (Fig. 13). This will allow you to have both hands free to make the wiring connections.

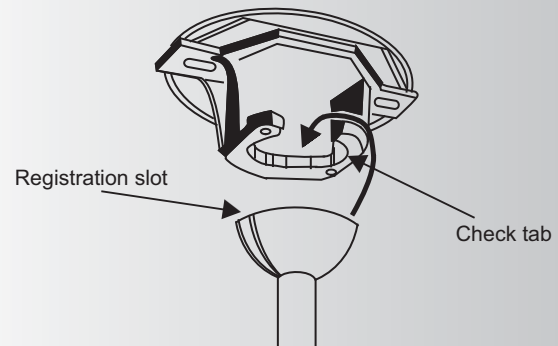


Fig. 11

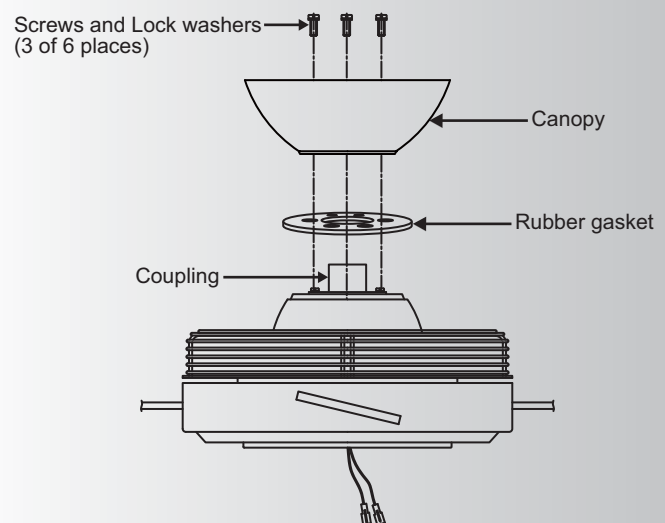


Fig. 12

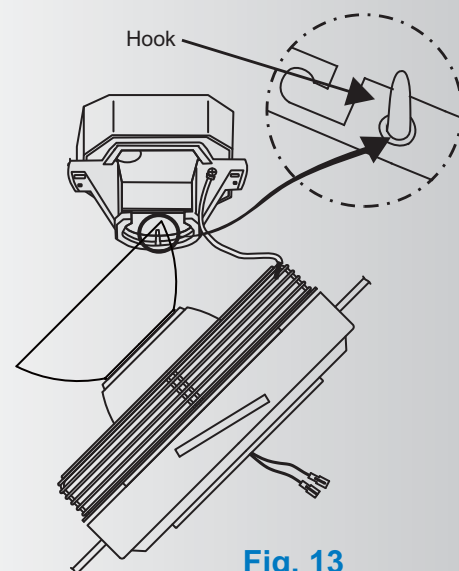


Fig. 13

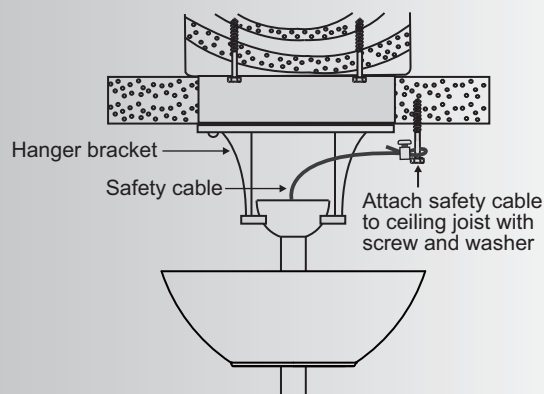


Fig. 14

7. INSTALLATION OF SAFETY SUPPORT (required for Canadian installation ONLY)

A safety support cable is provided to help prevent the ceiling fan from falling, please install it as follows.

Step 1. Attach the provided wood screw and washers to the ceiling joist next to the mounting bracket but do not tighten. (Fig. 14)

Step 2. Adjust the length of the safety cable to reach the screw and washers by pulling the extra cable through the cable clamp until the overall length is correct, put the end of the cable back through the cable clamp, forming a loop at the end of the cable. Tighten the cable clamp securely. Now, put the loop in the end of the safety cable over the wood screw and under the washer. Tighten the wood screw securely.

NOTE: Although the safety support cable is required for Canadian installations only. It's a good idea to make the attachment with any installation.

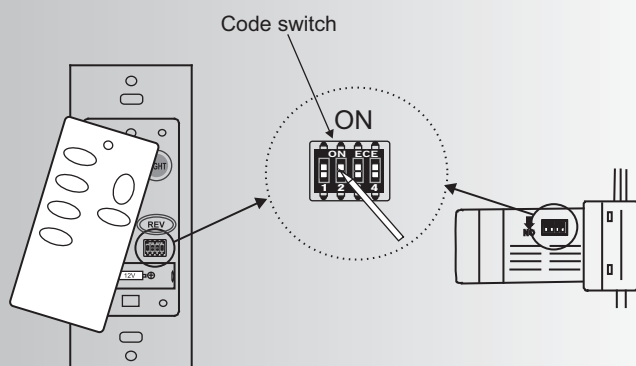


Fig. 15

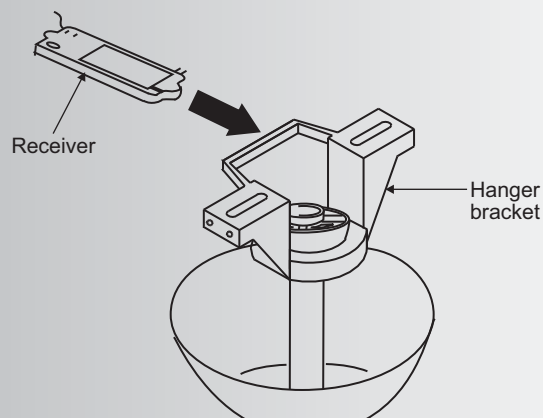


Fig. 16

8. ELECTRICAL CONNECTIONS

WARNING: To avoid possible electrical shock, be sure you have turned off the power at the main circuit panel.

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 wire strands or connections.

NOTE: The CoolTouch™ Control System is equipped with 16 possible frequency combinations to prevent interference from or with other remote control units. The frequency switches on your receiver and transmitter have been preset at the factory. Please recheck to make sure the switches on transmitter and receiver are set to the same position, any combination of settings will operate the fan as long as the transmitter and receiver are set to the same position. (Fig. 15)

Step 1. Insert the receiver into the ceiling mounting bracket with the flat side of the receiver facing the ceiling. (Fig. 16) For best performance, make sure the Black Antenna, on the end of the receiver, remains extended and not tangled with any of the electrical wires.

Step 2. Motor to Receiver Electrical Connections: (Fig. 17) Connect the black wire from the fan to the black wire marked "TO MOTOR L" on the receiver.

Connect the white wire from the fan to the white wire marked "TO MOTOR N" on the receiver. Connect the blue wire from the fan to the blue wire marked "FOR LIGHT" on the receiver.

Secure each set of wire connections with the plastic wire nuts provided in the parts bag.

Step 3. Receiver to Supply Wires Electrical Connections: (Fig. 17) Connect the black (load) wire from the ceiling outlet box to the black wire marked "AC in L" on the receiver. Connect the white (neutral) wire from the ceiling outlet box to the white wire marked "AC in N" on the receiver.

Secure each set of electrical connections with with the plastic wire nuts provided in the parts bag.

Step 4. Connect the ground wire (green or bare copper) from the outlet box to the ground wire on the ceiling mounting bracket and the ground wire from the ceiling fan.

After making all connections, separate the white and green wire connections to one side and the black wire connections to the other side of the outlet box.

NOTE: Fan must be installed at a maximum distance of 30 feet from the Hand Held Remote Transmitter for optimal signal transmission between the transmitter and the fan's receiving unit.

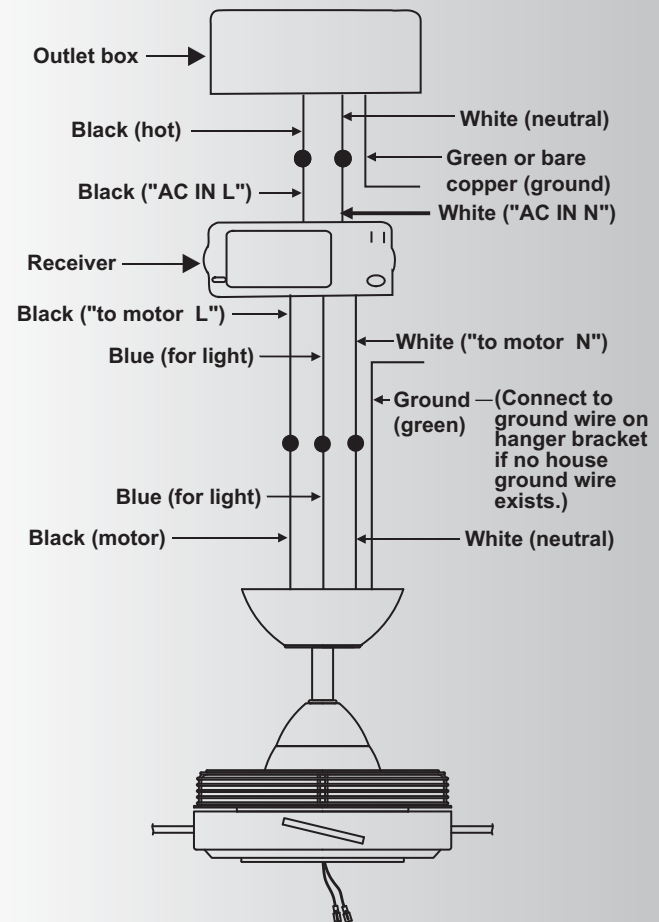


Fig. 17

9. FINISHING THE INSTALLATION

Step 1. Tuck all the connections neatly into the ceiling outlet box.

Step 2. Slide the canopy up to the mounting bracket and place one of the key hole slots over the mounting screw on the mounting bracket. Rotate the canopy until the screw head locks in place at the narrow section of the key hole. See figure 18.

Step 3. Align the remaining circular hole on the canopy with the remaining hole on the Ceiling Mounting Bracket. Insert and tighten the mounting screw you removed earlier and the mounting screw from Step 2 above. Now, attach the canopy cover to the mounting screw heads by inserting the screw heads into the bottom side of the canopy cover and rotating the cover clockwise.

NOTE: Adjust the canopy screws as necessary until the canopy and canopy cover are snug. (Fig. 18)

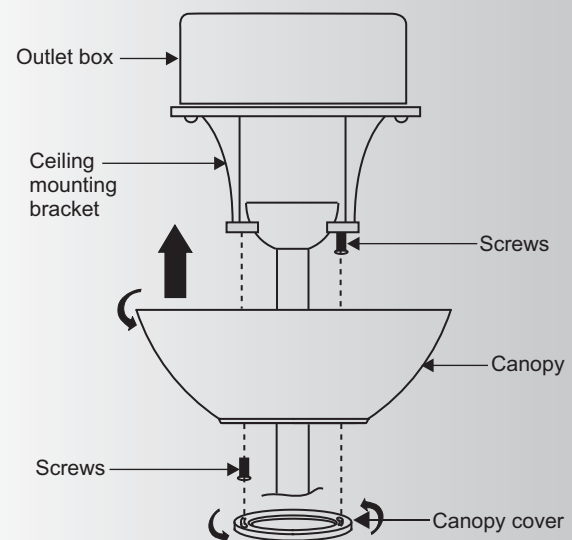


Fig. 18

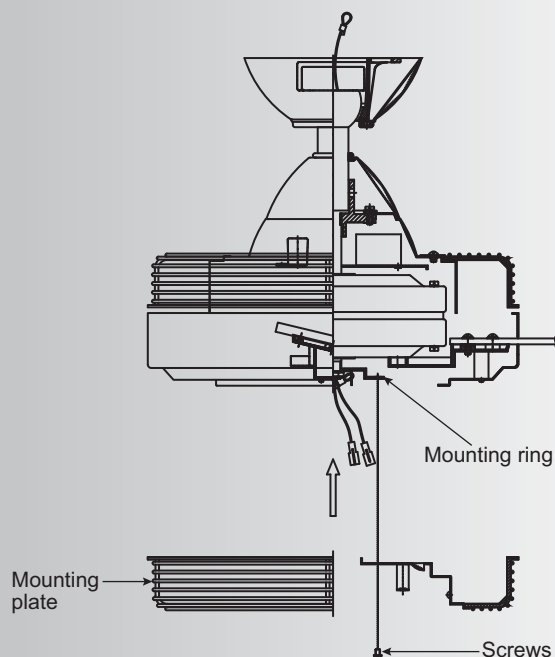


Fig. 19

10. INSTALLING THE MOUNTING PLATE

1. Loosen the two screws on the mounting ring attached to the motor shaft and "remove" and save the third screw. (Fig. 19)

2. Place the key hole slots on the mounting plate over the two screws previously loosened on the mounting ring.

Turn the mounting plate until it locks in place at the narrow section of the key hole slots.

Tighten both key hole screws and replace the third screw previously removed and tighten securely.

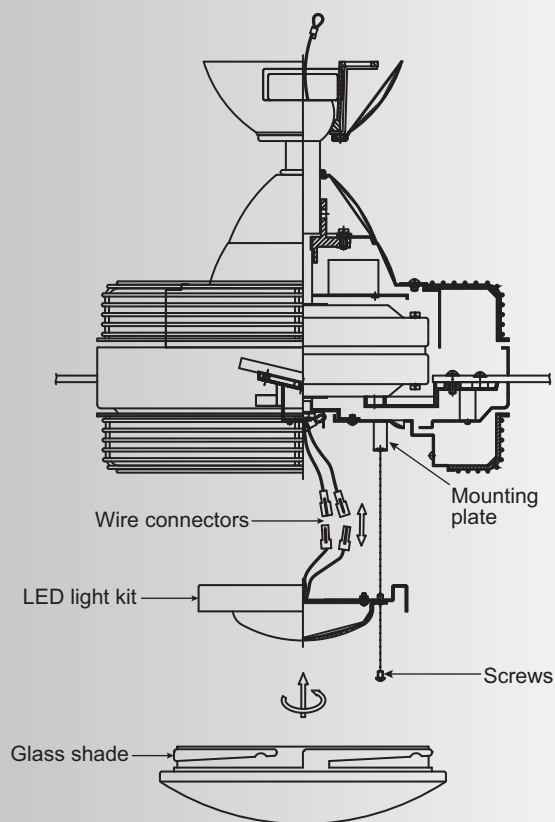


Fig. 20

11. INSTALLING THE LED LIGHT KIT AND GLASS SHADE

NOTE: Before starting installation, disconnect the power by turning off the circuit breaker or removing the fuse at fuse box.

Step 1. Loosen the three mounting screws on the inside of the LED light kit. (Fig.20)

Step 2. While holding the LED light kit under the fan motor, make the wire connections: (Fig. 20)

- Red to white
- Black to black

Step 3. Tuck the connections neatly into the mounting plate. Place the key holes on the LED light kit over the 2 screws previously loosened from the mounting plate, turn the LED light kit until it locks in place at the narrow section of the key holes. Secure by tightening all three screws. (Fig.20)

Step 4. Raise the glass shade against the light kit and turn clockwise until snug, **DO NOT OVERTIGHTEN.** (Fig. 20)

12. INSTALLING THE BATTERIES

Remove the face plate of the Wall Switch by lifting at the top and then insert the supplied 12V battery. Duracell MN21/Eveready A23/GP 23A all 12V.

Replace the switch face plate.

To prevent possible damage to the transmitter, remove these batteries if not used for long periods of time (months).

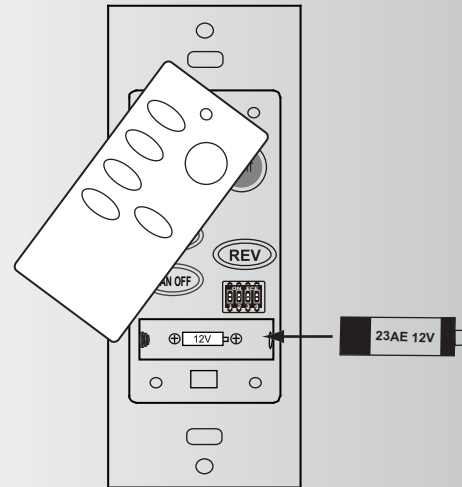


Fig. 21

13. OPERATING INSTRUCTIONS

HI Button	=	High Speed
MED Button	=	Medium Speed
LOW Button	=	Low Speed
FAN OFF Button	=	Motor Off
LIGHT Button	=	Light ON or OFF
REV Button	=	The "REV" button is used to set the fan forward or reverse, press the button forward (for warm weather) or reverse (for cool weather).

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.

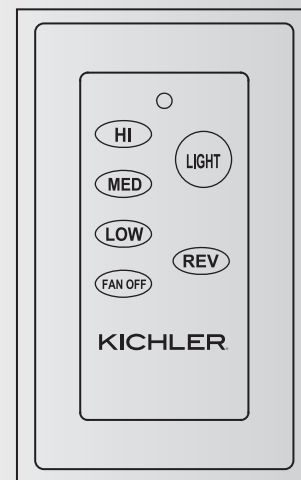


Fig. 22

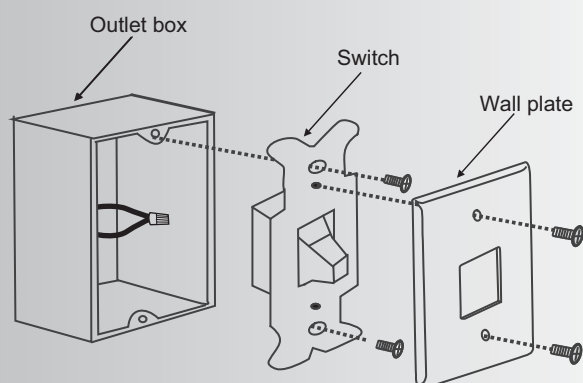


Fig. 23

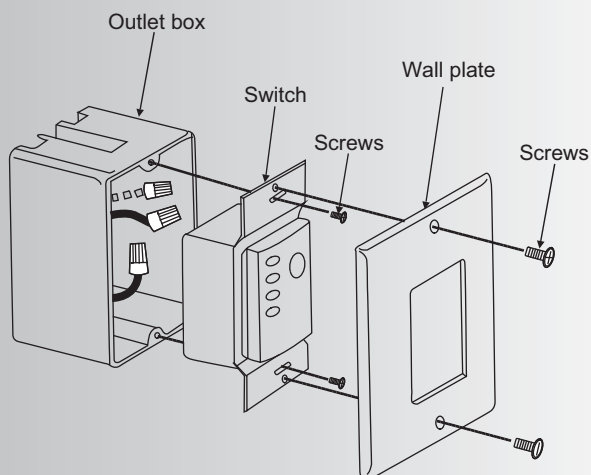


Fig. 24

14. INSTALLING THE BASIC FUNCTION WALL CONTROL SYSTEM WALL PLATE

Select a location to install the Basic Function Wall Control System Transmitter and Wall Plate.

REMEMBER you can safely use the transmitter outdoors but it should be mounted indoors away from excess heat and away from contact with water or humidity.

Install the wall plate using an existing wall switch outlet box. Make sure the electrical power is **TURNED OFF** at the main panel before continuing.

Step 1. Remove the existing wall plate and the old switch from the wall outlet box. Wire nut the **BLACK** leads (hot) together and push back inside the outlet box. (Fig. 23)

Step 2. Install the wall plate on the existing wall outlet box using the screws provided. (Fig. 24)

After installing the wall anchors, attached the wall plate with the mounting screws to finish the installation.

15. OPERATING INSTRUCTIONS

The Black Slide Switch on the side of the switch housing controls the direction of the blades "Forward and Reverse".

Warm weather - Forward (counter clockwise)
A downward airflow creates a cooling effect as shown in Fig. 25. This allows you to set your air conditioner on a warmer setting without affecting your comfort.

Cool weather - Reverse (clockwise) An upward airflow moves warm air off the ceiling area as shown in Fig. 26. This allows you to set your heating unit on a cooler setting without affecting your comfort.

NOTE: To change the direction of rotation for the fan blades, locate the reverse switch located on the top of the motor housing.

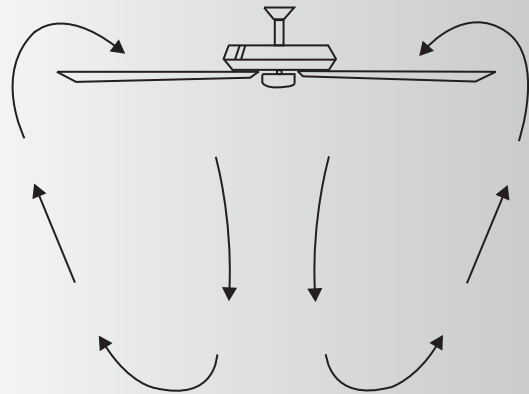


Fig. 25

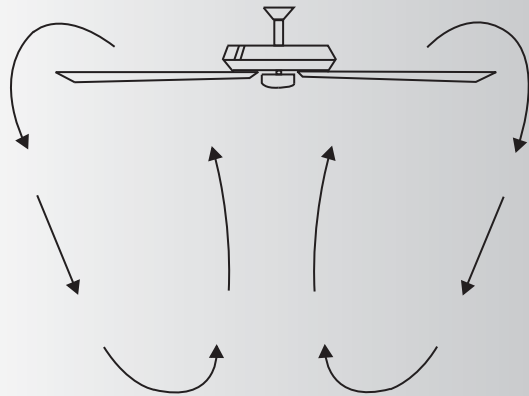


Fig. 26

16. TROUBLESHOOTING

Problem Solution

- Fan will not start.
1. Check circuit fuses or breakers.
 2. Check all electrical connections to insure proper contact. **CAUTION:** Make sure the main power is OFF when checking any electrical connection.
 3. Make sure the transmitter batteries are installed properly. Positive (+) side facing out.
 4. Insure the batteries have a good charge.
- Fan sounds noisy.
1. Make sure all motor housing screws are snug.
 2. Make sure the screws that attach the fan blade brackets to the motor are 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. Make sure the light bulbs are not touching any other component.
 6. Do not connect this fan to wall mounted variable speed control(s). they are not compatible with ceiling fan motors or remote controls.
 7. Make sure the upper canopy is a short distance from the ceiling. It should not touch the ceiling.
- Fan wobble.
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.
- Remote control malfunction.
1. Ceiling Fans with remote control systems **CAN NOT** be operated in conjunction with any other control system EXCEPT a basic On/Off wall switch, if desired.
 2. Make sure the frequency dip switches in the transmitter and receiver have identical settings.
 3. Make sure the Black Antenna on the receiver is **NOT** tangled with any other electrical wires and is extended around the inside of the ceiling canopy.

17. SPECIFICATIONS

Fan Size	Speed	Volts	Amps	Watts	RPM	CFM	CFM/W	N.W.	G.W.	C.F.
60"	High	120	0.66	80.40	130	6803.98	85	28.6 kgs	30.80 kgs	2.43'
	Medium	120	0.57	48.60	99	5164.01	106			
	Low	120	0.42	23.80	66	3385.75	142			

These are approximate measurements. They do not include data for any lamps or fixtures attached to the ceiling fan.