Monarch™

A Kichler® Select® ceiling fan

Includes our new
CoolTouch® Control System
Looks permanent, but goes wherever you go!

Instruction Manual

KICHLER LIGHTING

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KICHLER
LIGHTING

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.

WARNING
TO REDUCE THE RISK OF FIRE, ELECTRIC SHOCK OR PERSONAL INJURY, MOUNT FAN TO OUTLET BOX MARKED "ACCEPTABLE FOR FAN SUPPORT".
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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. To operate the reverse function on this fan, press the reverse button while the fan is running.

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 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.

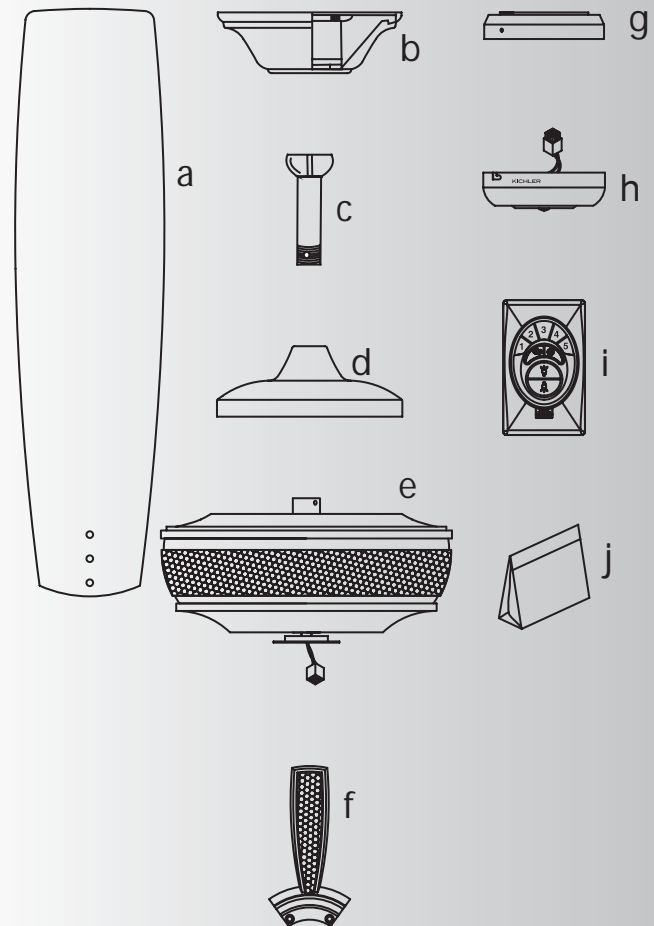## 2. TOOLS AND MATERIALS REQUIRED

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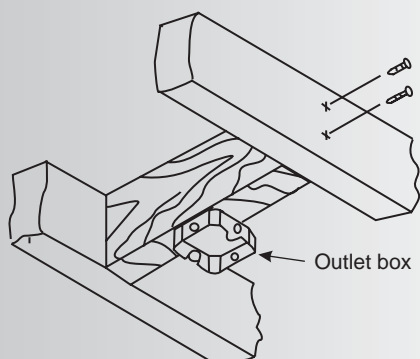- Blade screw driver
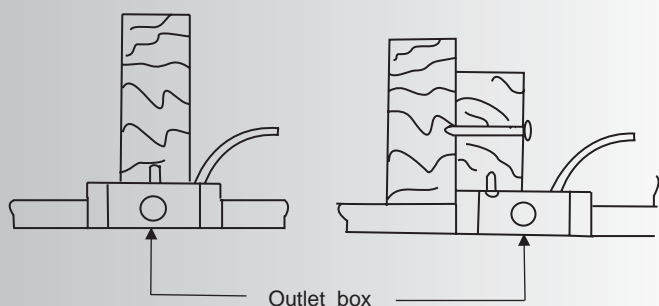- 11 mm wrench
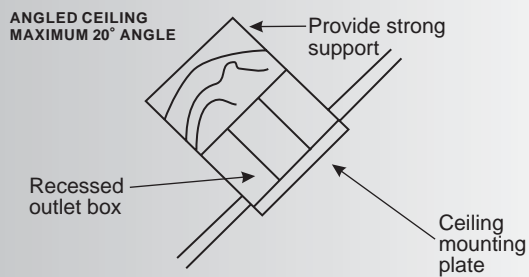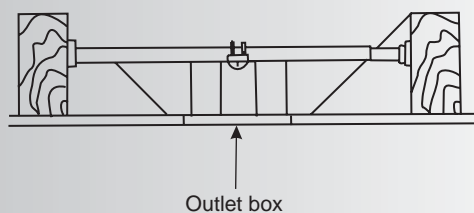- Step ladder
- Wire cutters

3. PACKAGE CONTENTS

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

a.   Fan blades (5)
b.   Hanger bracket and canopy
c.   Ball/downrod assembly
d.   Coupling cover
e.   Fan motor assembly
f.   Set of blades brackets (5)
g.   Mounting plate
h.   Switch housing
i.   CoolTouch™ Control System
j.   Part bag contents
   1) Mounting hardware :
       wood screws (2), flat washers (2),
       star washers (2), wire nuts (3)
   2) Blade attachment hardware:
       screws (17), washers (17),
       fiber washers (17)
   3) Blade brackets hardware:
       extra screws (2)
   4) Safety cable hardware:
       wood screw, lock washer, flat washer
   5) Balance Kit

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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: 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 Fig 4.

Outlet box

Fig. 1

Outlet box

Fig. 2

ANGLED CEILING MAXIMUM 20° ANGLE
Provide strong support
Recessed outlet box
Ceiling mounting plate

Fig. 3

Outlet box

Fig. 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 loosening the two screws on the bottom of the hanging bracket. Turn the canopy counterclockwise and remove. (Fig, 5)

Step 3. Secure the hanger bracket to the ceiling outlet box using screws and washers included with your outlet box. (Fig. 6)

Step 4. Remove hanger ball from downrod assembly by loosening set screws, removing the cross pin, and sliding ball off rod. (Fig. 7)

Step 5. Loosen the two set screws and remove the hitch pin and lock pin from the top coupling of the motor assembly. (Fig. 8)

Step 6. Carefully feed the fan wires up through the downrod. Thread the downrod into the coupling until the Hitch pin holes are aligned. Next, replace the lock clip and hitch pin then tighten the set screws. (Fig. 8)
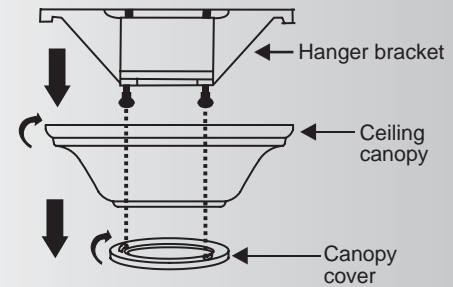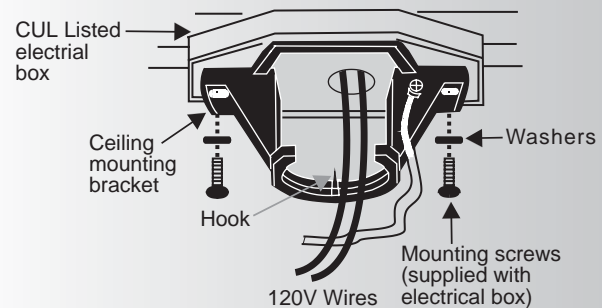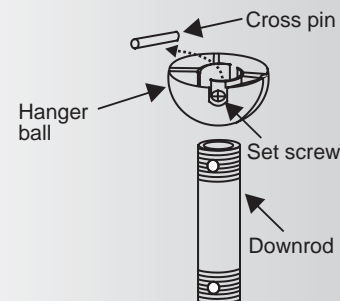
Fig. 5

Fig. 6

Fig. 7

Fig. 8

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Downrod

Canopy

Canopy cover

Coupling cover

Set screws

Hitch pin

Lock pin

Fig. 9

Registration slot
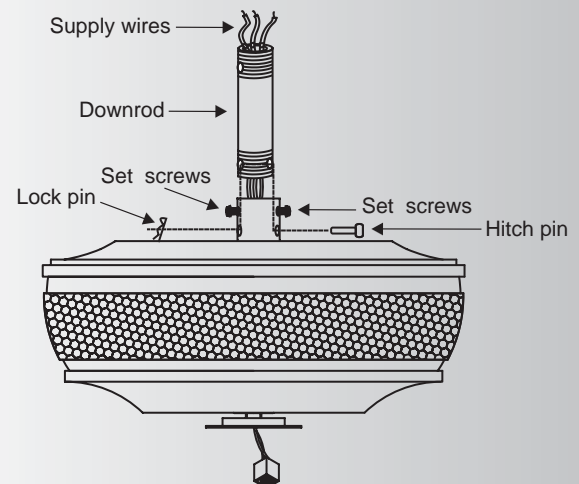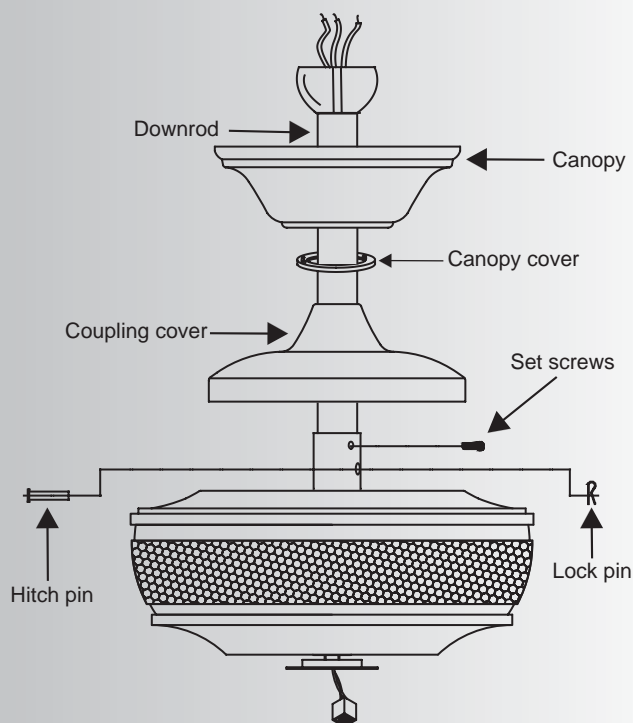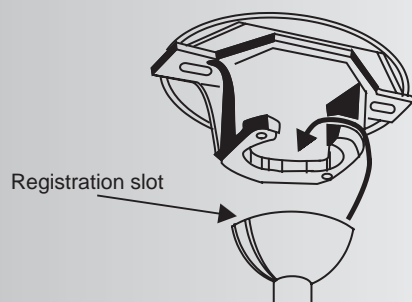
Fig. 10

Step 7. Slip coupling cover, canopy cover and canopy onto downrod. Carefully reinstall hanger ball onto rod being sure that cross pin is in correct position, the set screw on hanger ball is tight and wires are not twisted. (Fig. 9)

Step 8. Now lift the motor assembly into position and place the hanger ball into the hanger bracket. Rotate until the "Check Tab" has dropped into the "Registration Slot" and seats firmly. (Fig. 10). The entire motor assembly should not rotate if this is done correctly.

6. INSTALLATION OF SAFETY SUPPORT (for Canadian Installation ONLY)

An additional safety support is provided to prevent the fan from falling fan). Place the end of cable through the loop of ceiling support cable. Pull as much cable through loop as possible. Feed end of cable into clamp hole and fi rmly tighten screw (Fig. 11). Cut off excess safety cable. Secure the safety cable to the ceiling joist with screw and washer.
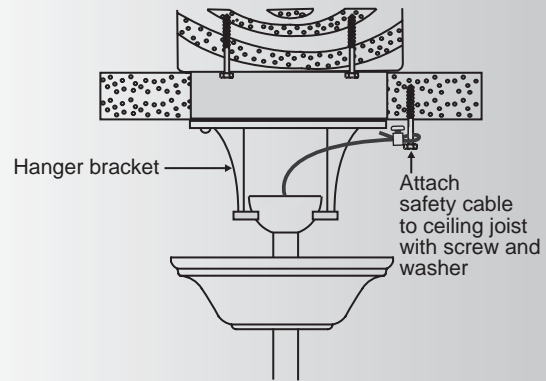

Hanger bracket

Attach safety cable to ceiling joist with screw and washer

Fig. 11

7. MAKE THE ELECTRIC CONNECTIONS

WARNING: To avoid possible electrical shock be sure electricity is turned off at the main fuse or breaker box before wiring.

NOTE: Receiver in controller system features an automatic learning function. Turn the power on and press the speed button, the receiver will automatically search for the frequency from the control, in approximately 30 seconds. The control and receiver units included with your ceiling fan are equipped with 4 code combinations to prevent possible interference from or to other remote units. The frequency switches on your control transmitter have been preset at the factory. There are no frequency switches on the receiver, the receiver unit will automatically scan the frequency from the control if any changes are made. The frequency settings should be changed only in case of interference or if a second or more ceiling fans with the same type of control system are installed in the same structure. (Fig. 12)
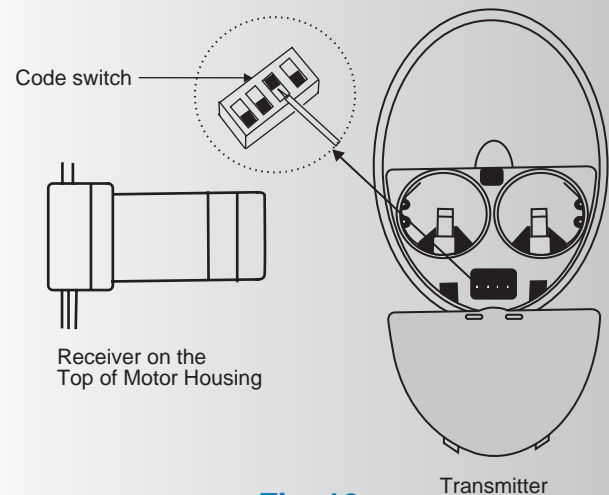
1. Connect the fan supply (black) wire to the black household supply wire as shown in Figure 13.

2. Connect the neutral fan (white) wire to the white neutral household wire. (Fig. 13)

3. After all splices are made, check to make sure there are no loose strands. As an additional precaution we suggest to secure the plastic wire connectors to the wires with electrical tape.
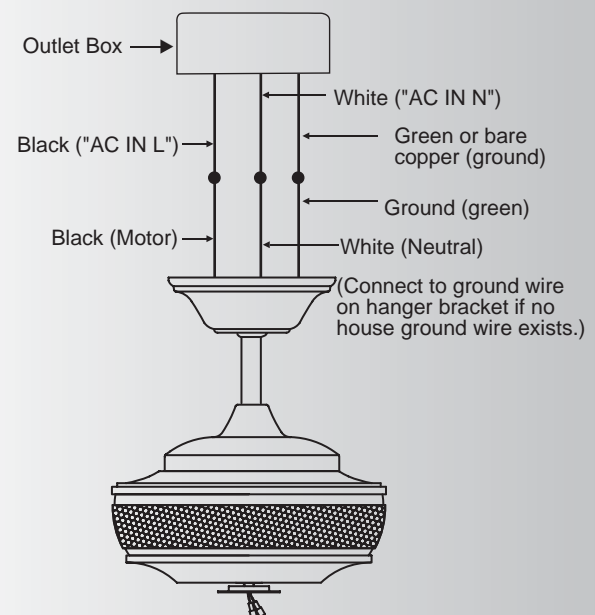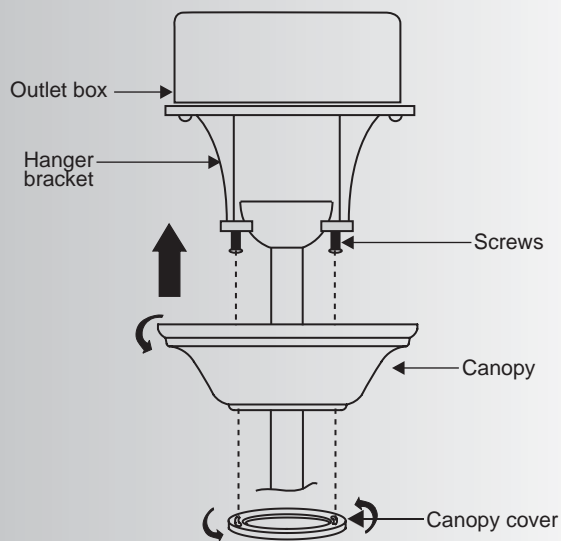

Code switch

Receiver on the Top of Motor Housing

Transmitter

Fig. 12

Outlet Box

White ("AC IN N")

Black ("AC IN L")

Green or bare copper (ground)

Ground (green)

Black (Motor)

White (Neutral)

(Connect to ground wire on hanger bracket if no house ground wire exists.)

Fig. 13

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Outlet box
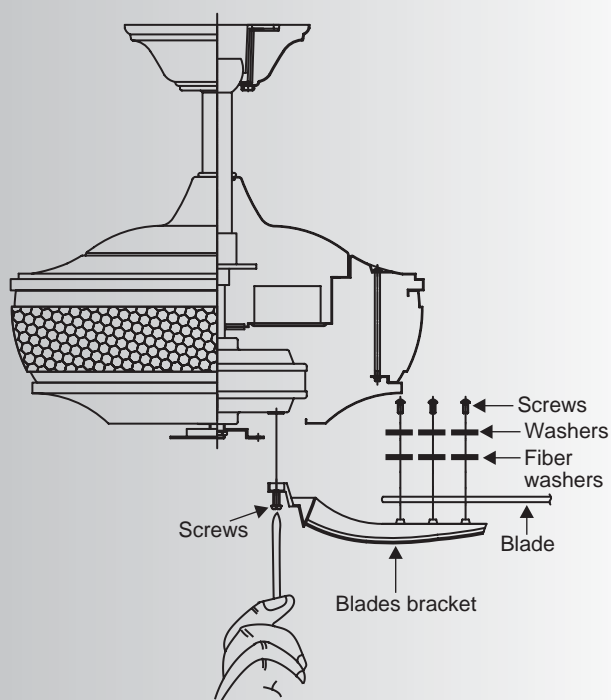
Hanger bracket

Screws

Canopy

Canopy cover

Fig. 14

8. FINISHING THE INSTALLATION

Step 1. Tuck connections neatly into ceiling outlet box.

Step 2. Slide the canopy up to ceiling and over the two screws on hanger bracket. Rotate canopy clockwise, next, while holding the canopy with one hand, slide the canopy cover over the screws and rotate clockwise until tight. **NOTE:** adjust the canopy screws as necessary until the canopy and canopy cover are snug. (Fig.14)

Warning: Make sure the "Check Tab" at the bottom of the hanger bracket is properly seated in the "Registration Slot" on the side of the hanger ball before attaching the canopy to the bracket. Failure to properly seat the "Check Tab" could damage the electrical wires when to ceiling fan blade direction is changed while the fan is running.

Screws
Washers
Fiber washers

Screws

Blade

Blades bracket

Fig. 15

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, washers and fiber washers as shown in Figure 15. Start screw into bracket. Repeat for the two remaining screws.

Step 2 Make sure the blade is straight and tighten each screw.

Step 3 Fasten blade assembly to motor using "Pre-Installed" mounting screws in the blade bracket.

10. INSTALLING THE MOUNTING PLATE

1. Remove 1 of the 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. 16)
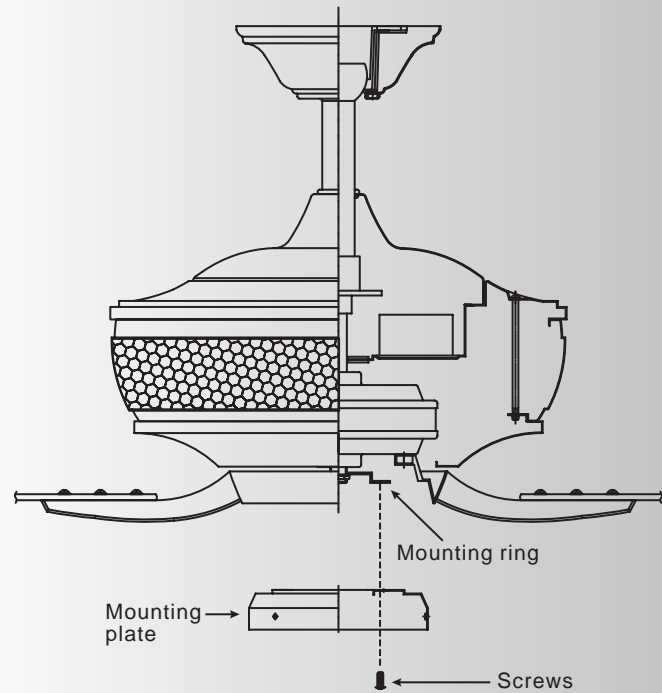
Mounting ring

Mounting plate

Screws

Fig. 16

11. INSTALLING THE SWITCH HOUSING

Install the switch housing onto the mounting plate with 3 screws provided. Be sure to tighten all screws. (Fig. 16)
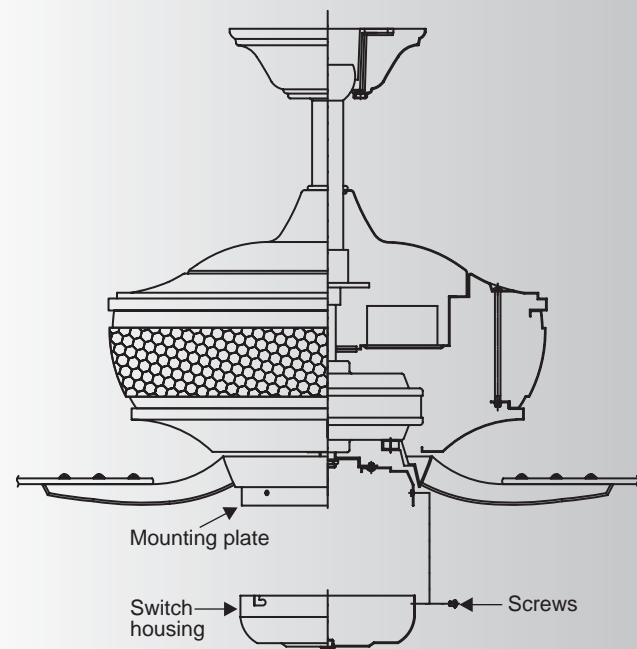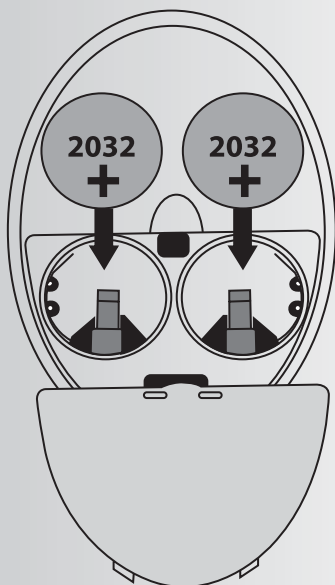
Mounting plate

Switch housing

Screws

Fig. 17

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Fig. 18

12. INSTALLING THE BATTERY

IInstall 2, 3 volt (#2032) batteries included with the CoolTouch™ Control System. (Fig. 18)
Note: To prevent damage to the transmitter, remove these batteries if not used for long periods of time (months).
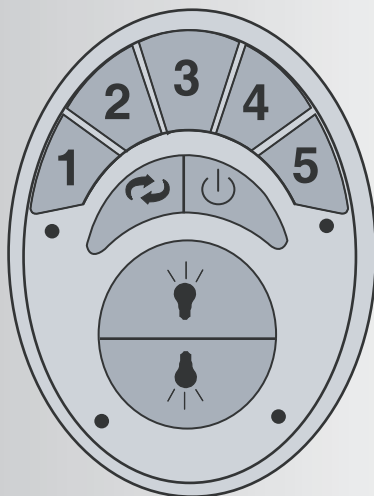

Fig. 19

13. OPERATING INSTRUCTIONS

Restore power to ceiling fan and test for proper operation.

A. **1, 2, 3, 4** and **5** buttons:
These five buttons are used to set the fan speed as follows:
    1= high speed
    2= medium high speed
    3= medium speed
    4= medium low speed
    5= low speed

B. ⏻ button:
    This button turns the fan off.

C. The " 💡 " and " 💡 " button:
    The " 💡 " button turns the upper light ON or OFF and also controls the brightness setting. The " 💡 " button turns the bottom light ON or OFF. Press and hold the button to set the desired brightness. The light key has an auto-resume, it will stay at the same brightness as the last time it was turned off.

D. The " ↻ " 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.

Warm weather-(Forward) A downward airflow creates a cooling effect as shown in Fig. 20. 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. 21. This allows you to set your heating unit on a cooler setting without affecting your comfort.
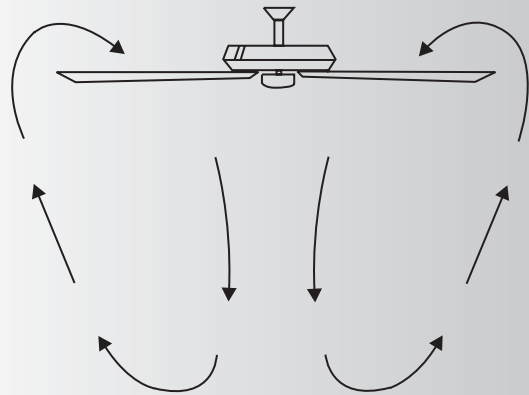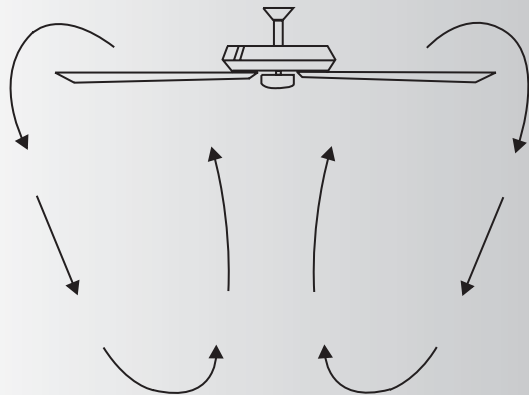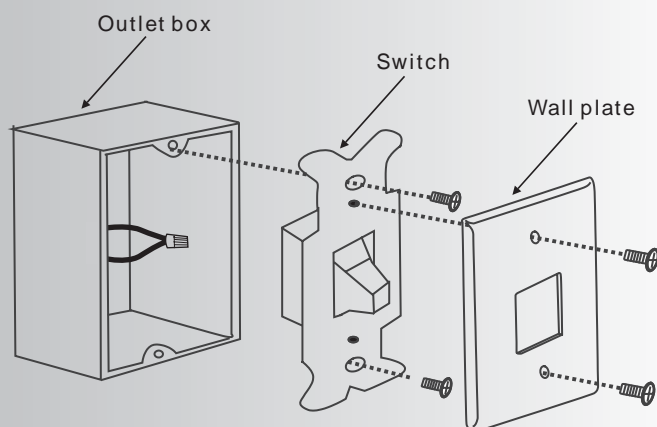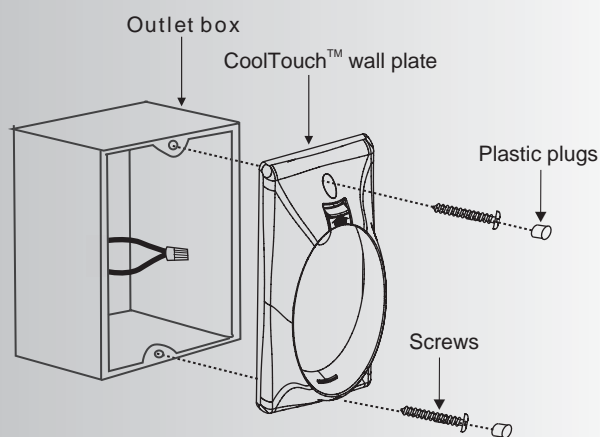
Fig. 20

Fig. 21

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Outlet box

Switch

Wall plate

Fig. 22

Outlet box

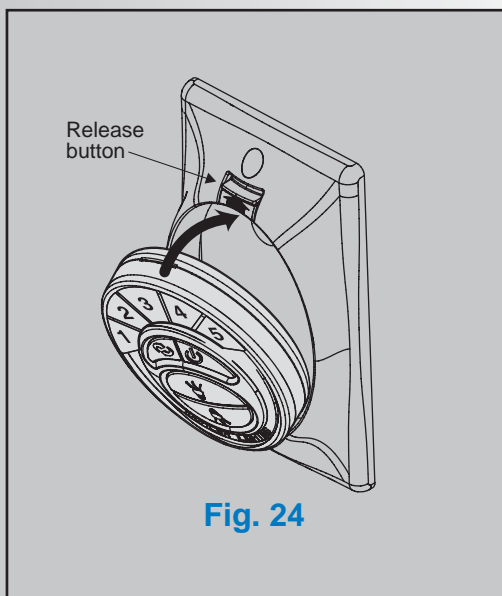CoolTouch™ wall plate

Plastic plugs

Screws

Fig. 23

Release button

Fig. 24

14. INSTALLING THE COOLTOUCH™ CONTROL SYSTEM WALL PLATE

To install the CoolTouch™ control system wall plate, you can select the following locations to fulfill your wall plate installation:

1. Using the existing wall outlet box:

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. 22)

Step 2. Install the CoolTouch™ wall plate to the existing wall outlet box with 2 screws provided. Then place the two plastic plugs into the wall plate. (Fig. 23)

2. Install on flat wall:

Place the CoolTouch™ wall plate on a flat wall using the wall anchors and 2 wood screws provided.

15. IINSTALLING THE TRANSMITTER

1. To place the transmitter in the wall plate, put the bottom end in first and then press the top into the wall plate. The transmitter is now held in the wall plate and will function from here. (Fig. 24)

2. To remove the transmitter from the wall plate, push the release button and the transmitter will fall into your hand.

16. 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.
3. Check to make sure the batteries are installed properly, (Positive + side facing out)
4. Check to make sure the batteries are not dead.

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. Do not connect the fan with wall mounted variable speed control(s).
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. Do not connect the fan with wall mounted variable speed control(s).

17. SPECIFICATIONS

Fan Size	Speed	Volts	Amps	Watts	RPM	CFM	CFM/W	N.W.	G.W.	C.F.
70"	High	120	0.41	29	108	5240.85	180.72	Xx kgs	Xx kgs	xxx'
	Medium High	120	0.26	16	87	4475.82	279.74			
	Medium	120	0.20	12	77	3561.31	296.78			
	Medium Low	120	0.15	8	68	3447.01	430.88			
	Low	120	0.10	3.7	50	2200.31	594.68			

These are approximate measures. They do not include Amps and Wattage used by the light kit.