Dorset™

A Kichler® Decor™ ceiling fan

Instruction Manual

KICHLER
LIGHTING

KICHLER
LIGHTING

300022

300022

K 300C

K 300C

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 making the electrical connections, spliced conductors should be turned upward and pushed carefully up into outlet box. The wires should be spread apart with the ground wire and white (common) wire to one side with the black (load) wire to the other 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.


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 that 190 watts and then turning the power back on.

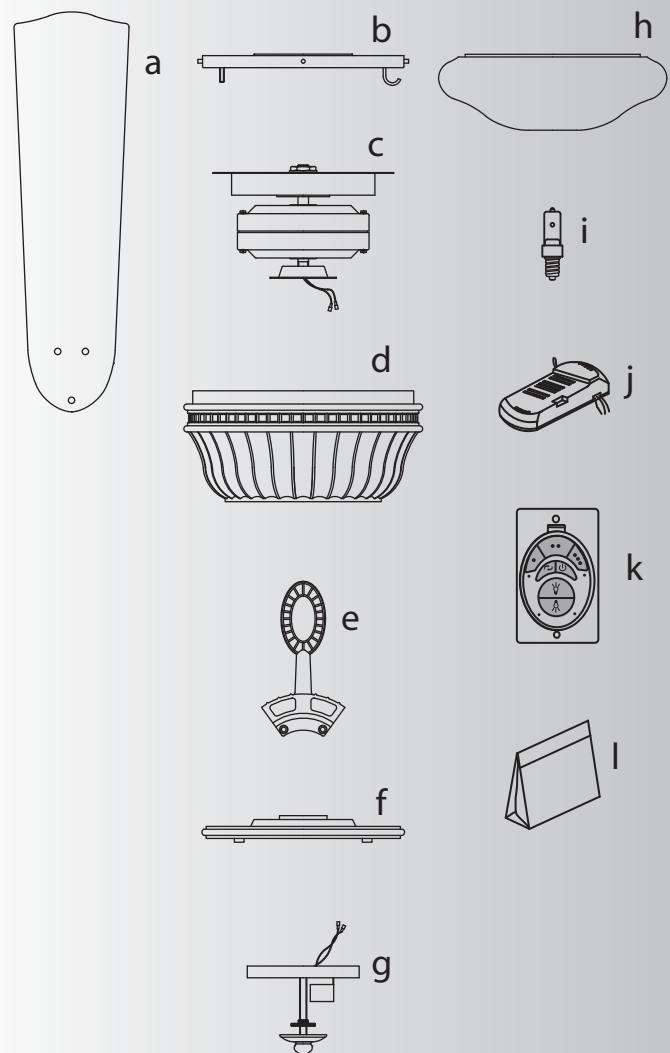## 2. TOOLS AND MATERIALS REQUIRED

- Philips screw driver
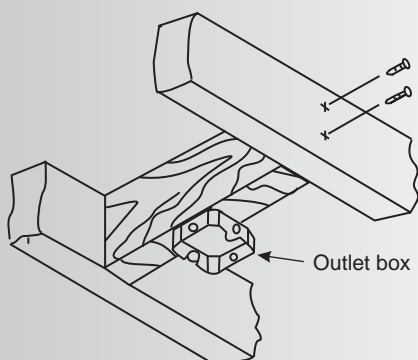- Blade screw driver
- 11 mm wrench
- Step ladder
- Wire cutters
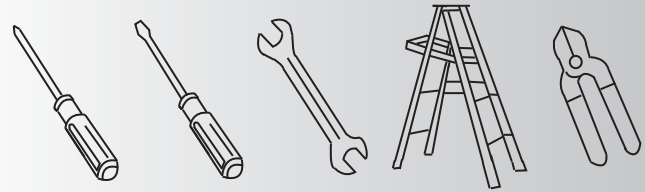
3. PACKAGE CONTENTS

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

a.   Fan blades (5)
b.   Ceiling mounting plate
c.   Motor and hanger plate assembly
d.   Motor housing
e.   Set of 5 blade brackets and Pre-Installed mounting screws
f.   Light fixture mounting plate
g.   Light fixture
h.   Glass shade
i.   E-12 40 Watt T-3 Krypton Lamps (3)
j.   Receiver
k.   CoolTouch™ Control System
l.   Part bag contents
   1) Mounting hardware:
      star washers (2), wire nuts (3),
      machine screws (2), washers (2),
      screws (2)
   2) Blade attachment hardware:
      screws (17), washers (17),
      fiber pads (17)
   3) Safety cable hardware:
      wood screw, lock washer, flat washer
   4) Balance Kit

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Fig. 1

Outlet box
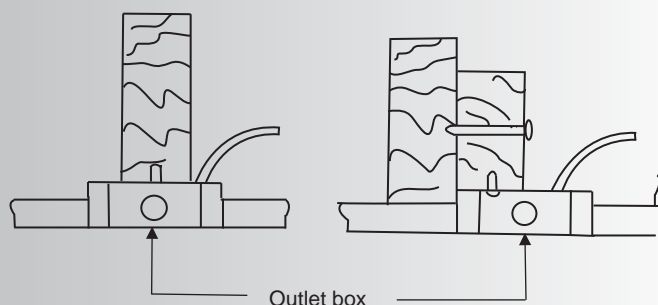
Fig. 2
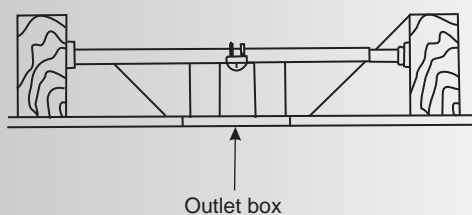
Outlet box

Fig. 3

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 are examples of different ways to mount the outlet box.

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. 3)

5. HANGING THE FAN

REMEMBER to turn off the power before you begin.

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

Step 1. Secure the ceiling mounting Plate to the ceiling outlet box using screws and washers included with your outlet box. (Fig. 4)

Step 2. Carefully lift the fan motor/hanger plate assembly up to the ceiling mounting plate and hang the assembly on the hook attached to one end of the ceiling mounting plate. See figure 5.
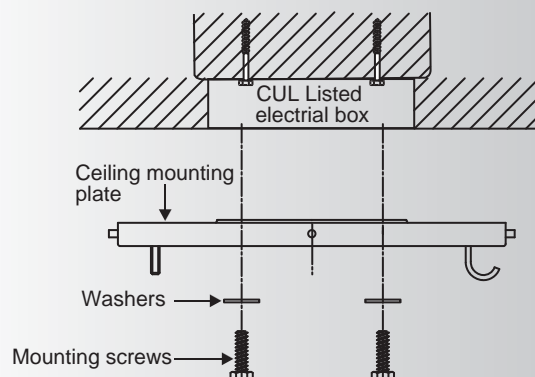

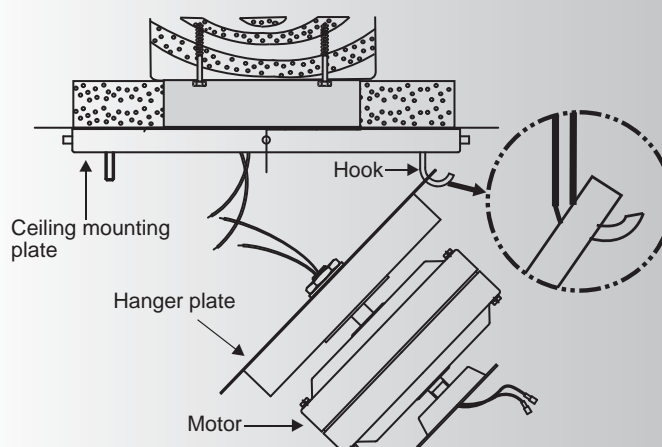CUL Listed electrial box
Ceiling mounting plate
Washers
Mounting screws

Fig. 4

Ceiling mounting plate
Hook
Hanger plate
Motor

Fig. 5

6. INSTALLATION OF SAFETY SUPPORT
(required for Canadian Installations ONLY)

A safety support cable is provided to help prevent the ceiling fan from falling.

Step 1. Attach the provided wood screw and washer to the ceiling joist next to the mounting bracket but do not tighten. (Fig. 6)

Step 2. Adjust the length of the safety cable to reach the screw and washer 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.
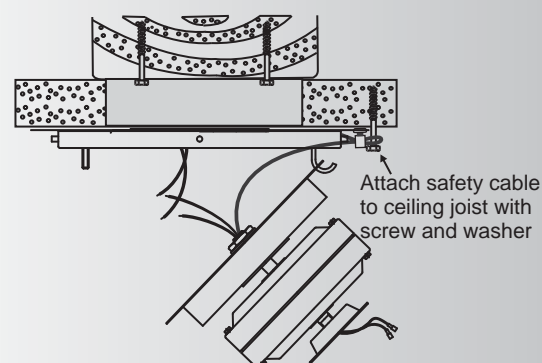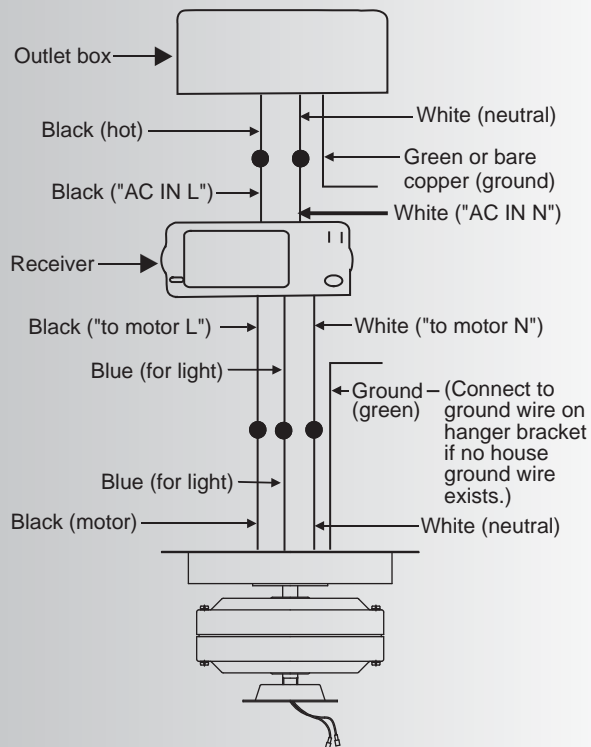

Attach safety cable to ceiling joist with screw and washer

Fig. 6

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Outlet box

Black (hot)

White (neutral)

Green or bare
copper (ground)

Black ("AC IN L")

White ("AC IN N")

Receiver

Black ("to motor L")

White ("to motor N")

Blue (for light)

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

Blue (for light)

Black (motor)

White (neutral)

Fig. 7

7. 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 suppled with your fan. Secure the connectors with electrical tape. Make sure there are no loose wire strands or connections.

1. Motor to Receiver Electrical Connections: (Fig. 7)
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.

2. Receiver to Supply Wires Electrical Connections: (Fig. 7)
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.

3. 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 CoolTouch™ Remote Transmitter for optimal signal transmission between the transmitter and the fan's receiving unit.

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.

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. 8)

Insert the receiver into the receiver socket located in the mounting bracket with the flat side of the receiver facing the motor. (Fig. 9)
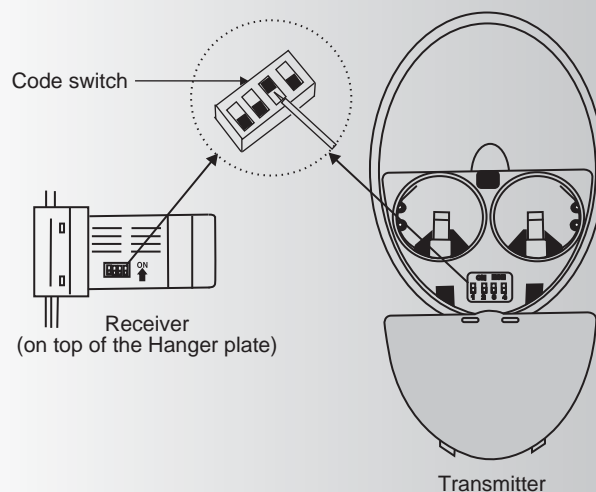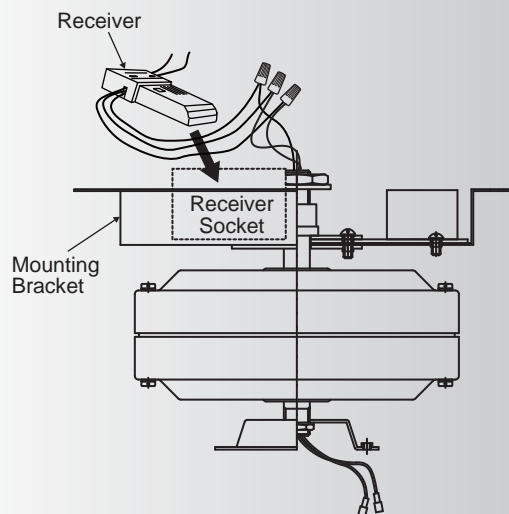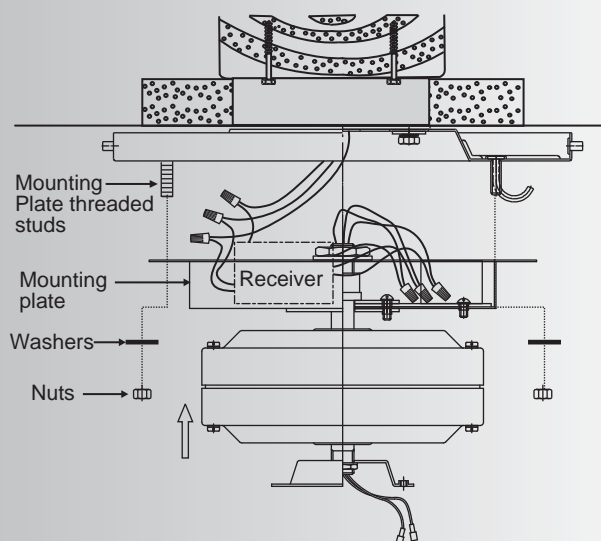
Code switch

Receiver
(on top of the Hanger plate)

Transmitter

Fig. 8

Receiver

Receiver
Socket

Mounting
Bracket

Fig. 9

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Mounting Plate threaded studs
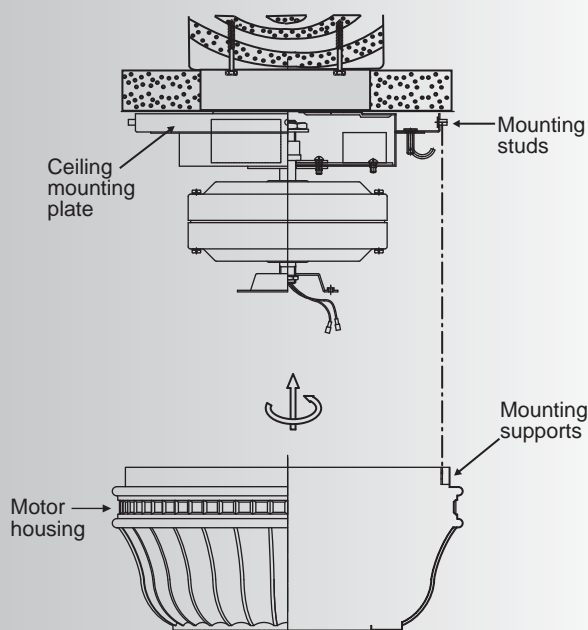
Mounting plate

Receiver

Washers

Nuts

Fig. 10

8. FINISHING THE INSTALLATION

1. Remove the four sets of nuts and washers located on the mounting plate threaded studs.

2. Place the control receiver between the mounting bracket and the ceiling mounting plate with all of the wiring connection made in the previous step.

3. Swing the motor assembly up into position under the ceiling mounting plate, align the holes on the mounting bracket with the four studs on the mounting plate and secure with the nuts and washers previously removed. (Fig. 10)

NOTE: If the receiver included with your ceiling fan has an "orange wire", Insure that it has a wire nut attached to the end of the wire. No exposed wire should show after installation.

The Orange wire is intended for use with "Decorative Up lighting" on most models.

Ceiling mounting plate

Mounting studs

Mounting supports

Motor housing

Fig. 11

9. FINISHING THE FAN INSTALLATION

Carefully lift the motor housing up to the ceiling mounting plate aliening the mounting studs with the mounting supports on the inside of the motor housing.

The four mounting studs should be place into the mounting supports on the inside of the motor housing.

Twist the housing clockwise until snug. (Fig. 11)

10. ATTACHING THE FAN BLADES

Step 1. Place a blade on a blade bracket aligning the mounting holes on each. Start each set of mounting screws, washers and fiber pads into each hole.

Make sure the blade is straight on the blade bracket and tighten each mounting screw until the fiber pad is slightly compressed.

Step 2. Attach each blade assembly to the motor using the "Pre-installed" mounting screws in the blade bracket. (Fig 12)
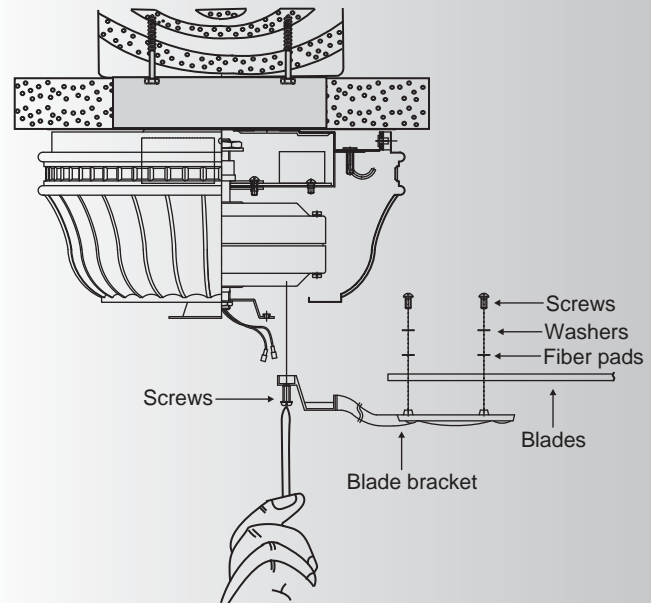
Repeat the above process for each blade assembly.

Screws
Washers
Fiber pads
Screws
Blades
Blade bracket

Fig. 12

11. INSTALLING THE LIGHT FIXTURE   MOUNTING PLATE

1. Loosen two screws on the mounting ring attached to the motor shaft and "remove" and save the third screw. (Fig. 13)

2. Place the key holes on the light fixture mounting plate over the 2 screws previously loosened on the mounting ring, turn light fixture 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)
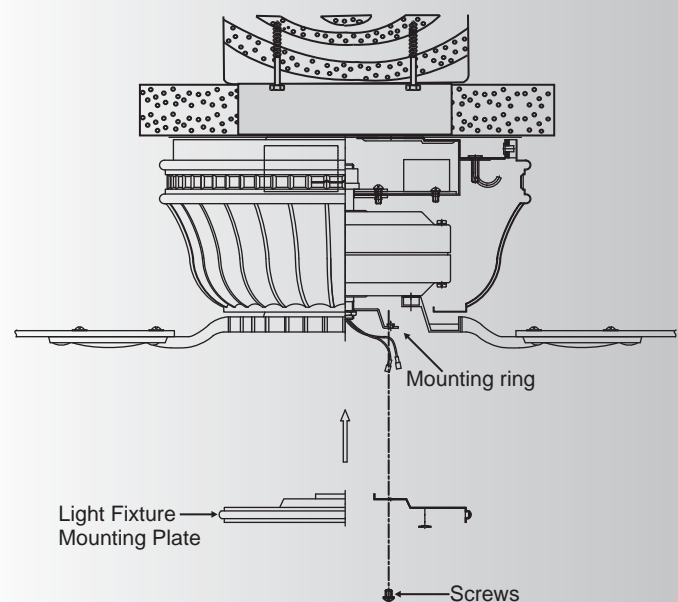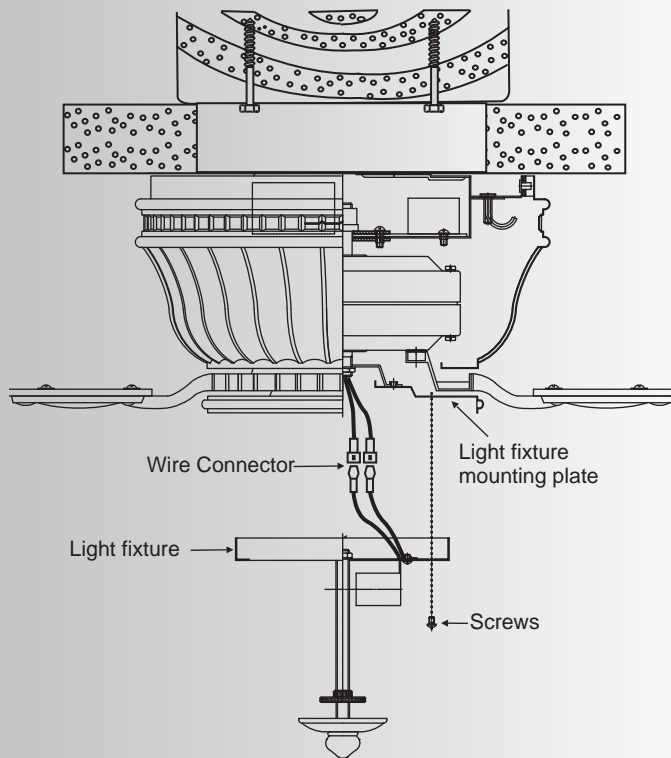

Mounting ring

Light Fixture
Mounting Plate

Screws

Fig. 13

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Wire Connector

Light fixture mounting plate

Light fixture

Screws

Fig. 14

12. INSTALLING THE LIGHT FIXTURE

NOTE: Before continuing installation, confirm that the power is still turning off at the main circuit breaker or by removing the correct fuse. Turning the power off using a wall switch is not sufficient to prevent electrical shock.

1. Loosen the two screws on the light fixture mounting plate attached to the motor shaft and "remove" and save the third screw. (Fig. 14)

2. Hold the light fixture close to the fan and connect the white wires by pushing the connectors on the wire ends together. Follow the same procedure for the black wires. (Fig 14)

3. Tuck the connections neatly into the light fixture mounting plate. **NOTE:** Be careful not to pinch the light fixture wires between the light fixture and the light fixture mounting plate.

4. Place the key hole slots on the light fixture over the two screws previously loosened on the light fixture mounting plate.

Turn the light fixture until is 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. 14)

13. INSTALLING THE LAMPS AND GLASS SHADE

1. Install 3, E-12 40 Watt T-3 Krypton lamps (provided). (Fig. 15)

2. Remove the metal nut, glass cap and decorative nut from the light fixture stem.

Place the glass shade over the light fixture stem and secure with the metal nut (rubber side on against the glass).

Place the glass cap on the stem and secure with the decorative nut.

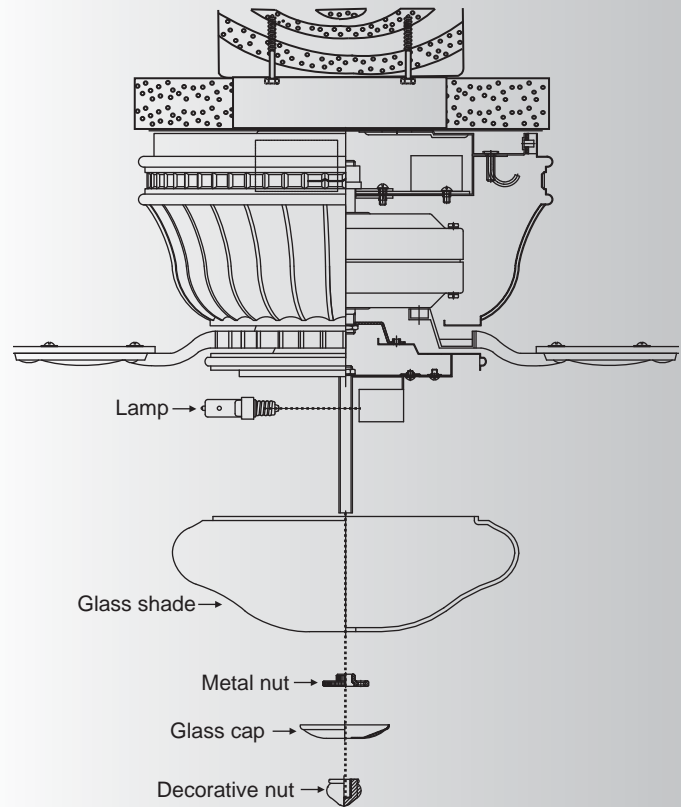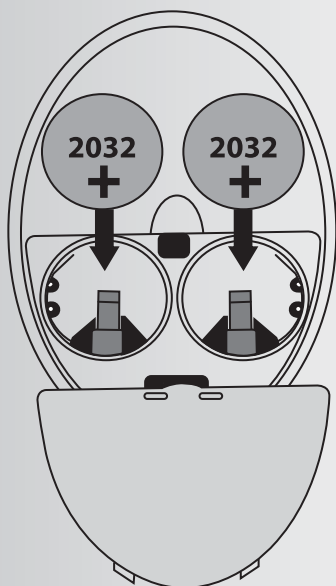Restore power and your ceiling fan is ready for operation.

Lamp →

Glass shade →

Metal nut →

Glass cap →

Decorative nut →

Fig. 15

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Fig. 16

14. INSTALLING THE BATTERIES

Remove the battery compartment cover on the back of the CoolTouch™ Transmitter and insert both batteries provided. Make sure the + sign is facing up.

Take care during this procedure NOT TO move the frequency dip switches inside this compartment. The settings MUST remain the same as the settings on the receiver for proper communication with the control system.

It's a good idea to remove these batteries if your fan is not used for extend periods of time, (months).
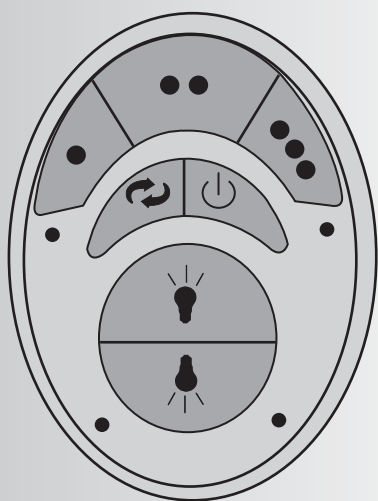
Fig. 17

15. OPERATING INSTRUCTIONS

Restore power to ceiling fan and test for proper operation.

A. ●, ●●, and ●●● buttons:
These three buttons are used to set the fan speed as follows:
●●● = low speed
●● = medium speed
● = high 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 and also controls the brightness setting.

Press and hold either button to set the desired brightness level. The next time you turn the light on, the system will remember this setting.

Press and release either button to turn the light ON or OFF.

D. The " ↻ " button is used to set the fan in forward or reverse operation. Each time you press this button the fan blades will reverse direction. This button functions ONLY when the fan blades are in operation.

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

Warm Weather Operation: Forward (counter clockwise) A downward airflow creates a cooling effect as shown in Fig. 18. This allows you to set your air conditioner on a warmer setting without affecting your general comfort.

Cool Weather Operation: Reverse (clockwise). An upward airflow moves warm air off the ceiling areas as shown in Fig. 19. This allows you to set your heating unit on a cooler setting without affecting your general comfort.
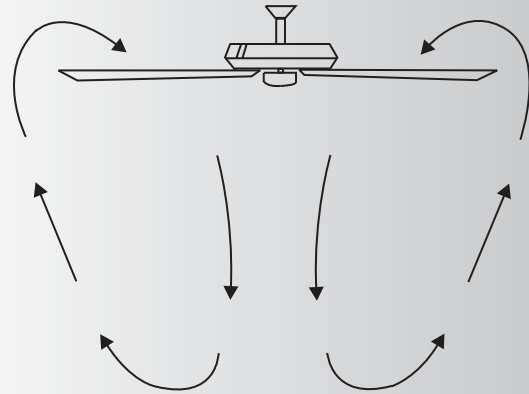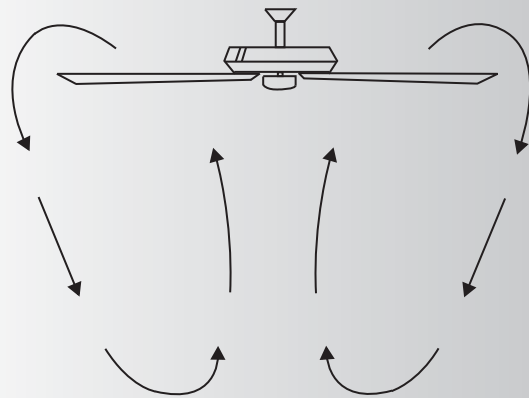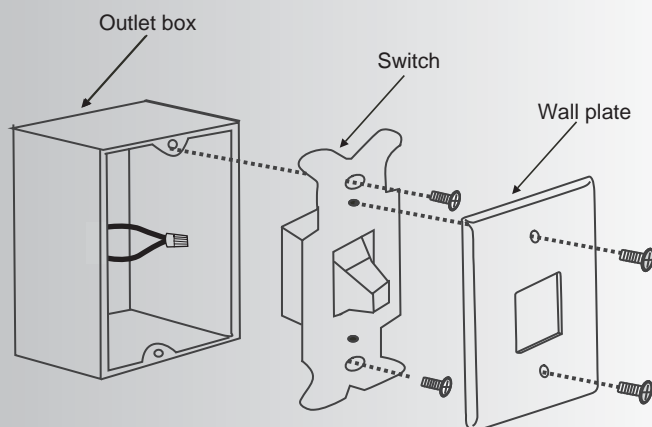
Fig. 18

Fig. 19

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Outlet box

Switch

Wall plate

Fig. 20

Outlet box   Metal plate   CoolTouch™ wall plate

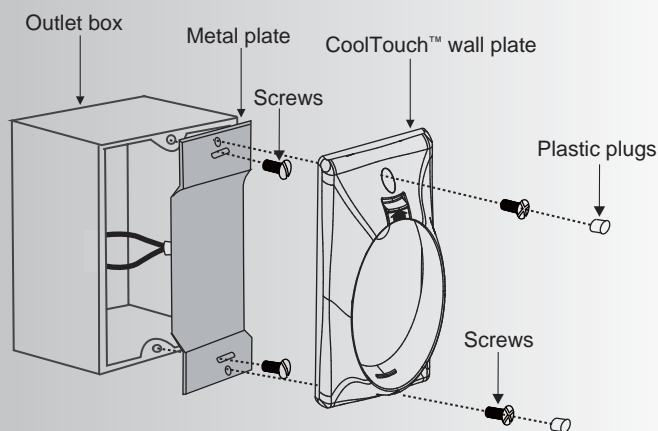Screws

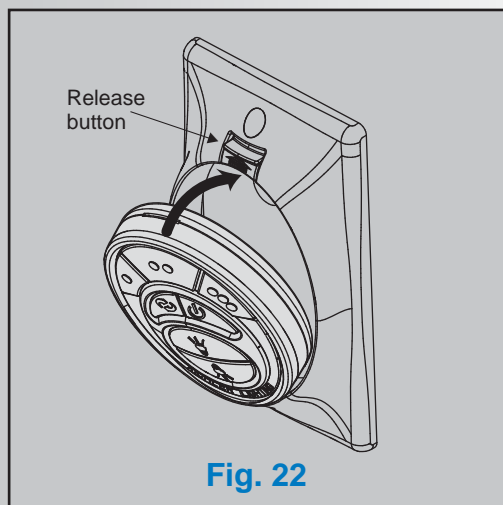Plastic plugs

Screws

Fig. 21

Release button

Fig. 22

16. INSTALLING THE COOLTOUCH™ CONTROL SYSTEM WALL PLATE

Select a location to install your CoolTouch™ Control System Transmitter. You can replace an existing wall switch or, install the transmitter on ANY flat surface.

Option 1: Install the control system 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. 20)

Step 2. Install the metal plate and CoolTouch™ wall plate to the existing wall outlet box with 4 screws provided. Then place the two plastic plugs into the wall plate. (Fig. 21)

Option 2: Install the control system on ANY flat surface.

Select the desired location and use the CootTouch™ wall plate to mark the location for the mounting holes.
Plastic wall anchors and screws are provided for this type of installation.

After installing the wall anchors, attached the CoolTouch™ wall plate with the mounting screws and then insert the plastic plugs to finish the installation.

17. INSTALLING THE TRANSMITTER

1. Insert the transmitter into the wall plate by inserting the bottom of the transmitter first and then press the top of the transmitter into the pocket. The transmitter will fully function from this location or you can remove the transmitter and use as a "Hand Held" device.

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

18. 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 batteries are installed properly. Positive (+) side facing out.
4. Check to make sure the batteries are installed properly. (Positive + side facing out)
5. 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 fixture, make sure the screws securing the glassware are tight. Make sure the lamps are not touching any other component.
6. Do not connect the fan with wall mounted variable speed control(s).
7. Make sure the upper edge of the motor housing 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.
WARNING: TO REDUCE THE RISK OF PERSONAL INJURY AND TO INUSRE THE PROPER OPERATION OF YOUR CEILING FAN. NEVER ATTACH THE BLADE ASSEMBLIES UNTIL THE CEILING FAN HAS BEEN MOUNTING ON THE CEILING. DO NOT BEND THE BLADE ARMS WHILE INSTALLING, BALANCING OR CLEANING THE FAN. DO NOT INSERT FOREIGN OBJECTS BETWEEN ROTATING FAN BLADES.

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.

19. SPECIFICATIONS

Fan Size	Speed	Volts	Amps	Watts	RPM	CFM	CFM/W	N.W.	G.W.	C.F.
52"	High	120	0.57	69.00	164~168	5087	74	10.24 kgs	13.47 kgs	2.42'
	Medium	120	0.48	36.00	118	3428	95			
	Low	120	0.31	11.50	57	1629	142			

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