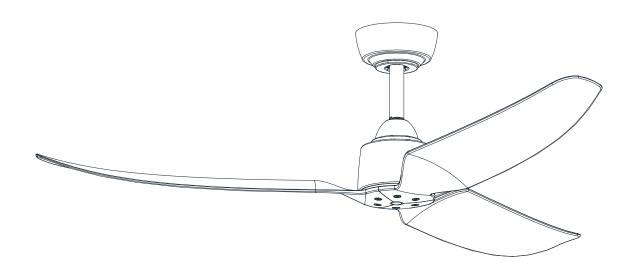


# KENT CEILING FAN INSTRUCTION SHEET



MODELS: LC006428

LC006430 LC006432

## SAFETY INFORMATION

- To reduce the risk of electric shock, ensure electricity has been turned off at the circuit breaker or fuse box before beginning.
- The installation is to be in accordance with the National Electrical Code, ANSI/NFPA 70 and local codes. Electrical installation should be performed by a qualified licensed electrician.
- CAUTION: Read all instructions and safety information before installing your new fan. Review accompanying assembly diagrams.
- WARNING: To reduce the risk of electrical shock and fire, do not use this fan with any solid-state fan speed control device.
- 5. WARNING: To reduce the risk of fire, electric shock, or personal injury, mount to UL Listed outlet box marked "acceptable for fan support of 15.9 kg (35 lbs) or less" and use mounting screws provided with the outlet box. Most outlet boxes commonly used for the support of light fixtures are not acceptable for fan support and may need to be replaced. Due to the complexity of the installation of this fan, a qualified licensed electrician is strongly recommended.
- 6. WARNING: To reduce the risk of fire, electric shock, or personal injury. Do not use replacement parts that have not been recommended by the manufacturer (e.g. parts made at home using A 3D printer)
- 7. The fan must be mounted with a minimum of 2.3 m clearance from the trailing edge of the blades to the floor. The tip of the fan blade to the nearest wall obstruction: 30 inches.
- 8. WARNING: 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.
- 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 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 and the ungrounded conductor on the other side of the outlet box.

- 12. Electrical diagrams are for reference only. Light kits that are not packed with the fan must be UL and cUL Listed and marked suitable for use with the model fan you are installing. Switches must be UL and cUL General Use Switches. Refer to the Instructions packaged with the light kits and switches for proper assembly.
- 13. NOTE: Suitable for use in wet locations when installed in a GFCI protected branch circuit. Use only with light kits marked "suitable for use in wet locations".
- 14. Do not wait for the fan to stop before pressing the reverse button. The fan will not reverse direction if the fan is not moving.
- 15. WARNING: To reduce the risk of fire, electric shock, or personal injury. Do not use this fan with any solid-state speed control device.
- 16. Check that the outlet box is securely installed in place such that it is able to support at least than fan weight 5.1KG.
- 17. The appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
- 18. Children should be supervised to ensure that they do not play with the appliance.
- 19. All set screws must be checked, and re-tightened where necessary, before installation.
- WARNING: If unusual oscillating movement is observed, immediately stop using the ceiling fan and contact the manufacturer, its service agent or suitably qualified persons.
- 21. The outlet box and support structure must be securely mounted and capable of reliably supporting a minimum of 15.9 kg (35 lbs). Use only UL listed outlet boxes marked "acceptable for fan support of 15.9 kg (35 lbs) or less."
- 22. That the mounting of the suspension system shall be performed by the manufacturer, its service agent or suitably qualified persons.
- 23. The fixing means for attachment to the ceiling shall be fixed with a sufficient strength to withstand 4 times the weight of the ceiling fan.

WARNING: TO REDUCE THE RISK OF FIRE, ELECTRIC SHOCK, OR PERSONAL INJURY. DO NOT USE THIS FAN WITH ANY SOLID-STATE SPEED CONTROL DEVICE.

WARNING: TO REDUCE THE RISK OF PERSONAL INJURY, DO NOT BEND THE BLADE ARMS (ALSO REFERRED TO AS FLANGES), WHEN INSTALLING THE BRACKETS, BALANCING THE BLADES OR CLEANING THE FAN.

## **TABLE OF CONTENTS**

- Safety
- Tools Needed
- Hardware Included
- Package Contents
- Fan Assembly
- **Electrical Connections**

- Fan Blade Installation
- Light Kit Installation
- Fan Operation
- Care and Cleaning
- Troubleshooting
- Warranty Information

## **TOOLS NEEDED**

- Phillips screwdriver
- Flathead screwdriver
- Step ladder
- Wire cutter



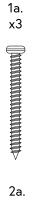






## HARDWARE INCLUDED

- Bracket Mounting Hardware
  - wood screws (1a)
  - screws (1b)
  - wire nuts (1c)
  - lock washers (1d)
  - flat washers (1e)
- Fan Mounting Hardware
  - clevis pin (2a)
  - cotter pin (2b)
- Blade to motor screws (3a)
- Hex key (4a)
- Balance Kit (5a)





2b.

x1

1b.

x2



1c.

x3



1d.

хЗ



1e.

хЗ







3a.

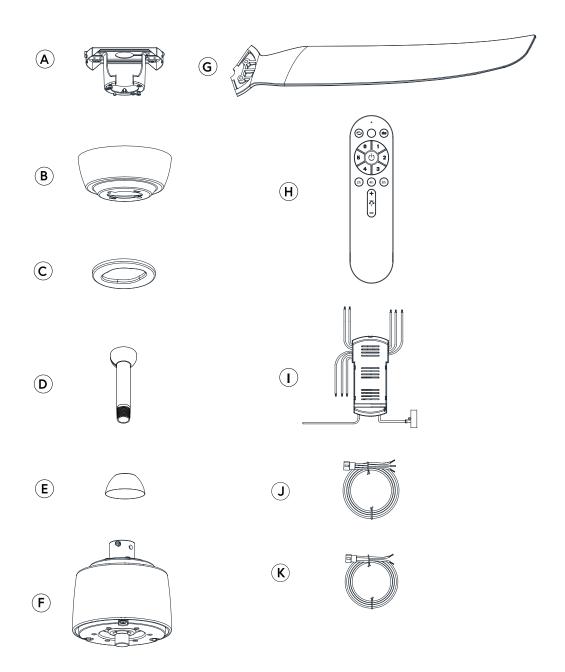


4a. x1



5a. х1





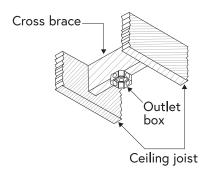
Part	Description	Quantity
Α	Mounting bracket	1
В	Canopy	1
С	Canopy screw cover	1
D	Hanger ball/downrod assembly	1
E	Coupling cover	1

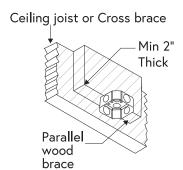
Part	Description	Quantity
F	Fan motor	1
G	Blade	3
Н	Remote control	1
I	Receiver	1
J	Extension wire	1
K	Extension wire	1

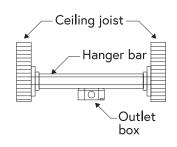
### **Outlet Box Mounting Options**

If there isn't an existing UL Listed octagonal mounting box marked "Acceptable for Fan Support" follow the instructions below. (**REMINDER**: an electrical junction box for use with luminaires is not acceptable for this application)

- Before you begin installing the mounting box, shut off the power at the circuit breaker of the fuse box.
- Secure the box directly to the building structure. The figures below show 3 example methods.



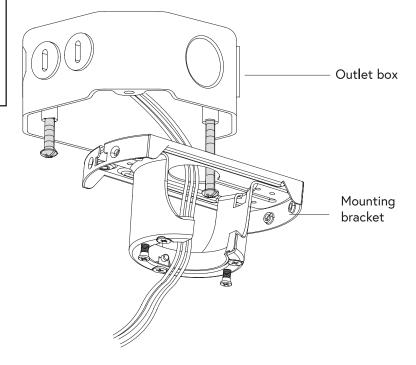




## INSTALLING THE HANGING BRACKET

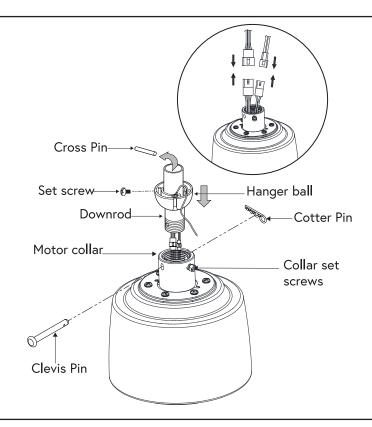
**CAUTION:** TO AVOID POSSIBLE ELECTRICAL SHOCK, BE SURE ELECTRICITY IS TURNED OFF AT THE MAIN POWER BOX BEFORE WIRING. ALL WIRING MUST BE IN ACCORDANCE WITH NATIONAL AND LOCAL ELECTRICAL CODES AND THE CEILING FAN MUST BE GROUNDED AS A PRECAUTION AGAINST POSSIBLE ELECTRIC SHOCK.

- 1. Loosen the two mounting screws in the outlet box. Pass the 120-Volt supply wires through the center hole in the slide-on mounting bracket.
- 2. Slide the slide-on mounting bracket on to the mounting screws and center the slide-on mounting bracket in relation to the outlet box. If necessary, use leveling washers (not included) between the slide-on mounting bracket and the outlet box. The flat side of the slide-on mounting bracket should face toward the outlet box, as shown.
- 3. Securely tighten the two mounting screws.



# PREPARING THE MOTOR

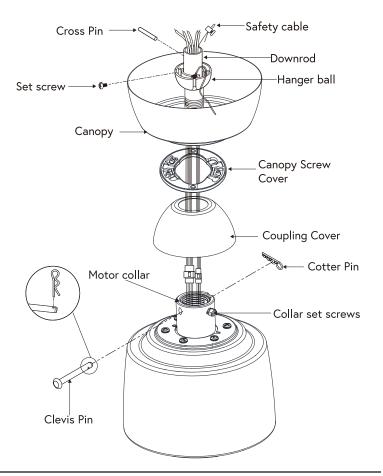
- 1. Connect the extension lead wires to the lead wires from motor. Make sure the quick connectors are clasped firmly.
- 2. Loosen the collar set screws from the motor collar.
- 3. Take out the set screw located in the hanger ball, lower the hanger ball and remove the cross pin. Remove the hanger ball from the hanger ball/downrod assembly.



## ASSEMBLING THE FAN

**WARNING:** Failure to properly install the cotter pin could result in the fan becoming loose and possibly falling.

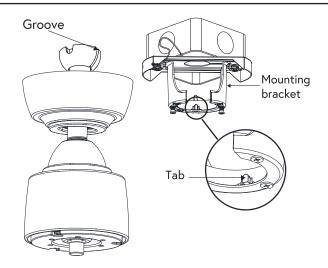
- Carefully feed the extension lead wires and safety cable up through the downrod. Thread the downrod into the collar until the holes at the bottom of the downrod align with the holes in the collar.
- Carefully insert the clevis pin through the holes in the collar and downrod. Insert the cotter pin through the hole, near the end of clevis pin until it snaps into its locked position.
- **3.** Slip the coupling cover, the canopy screw cover, and the canopy onto the downrod.
- 4. Carefully reinstall the hanger ball onto the downrod. Being sure that the cross pin is in the correct position, the set screw is tightened and wires are not twisted.



## HANGING THE FAN

WARNING: The tab in the ring must rest in the groove of the hanger ball/downrod assembly. Failure to properly seat the tab in the groove could cause damage to the wiring.

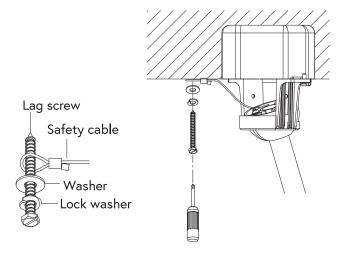
1. Carefully lift the fan motor assembly up to the mounting bracket and seat the hanger ball/downrod assembly in the mounting bracket socket. Make sure the tab on the mounting bracket socket is properly seated in the groove in the hanger ball/downrod assembly. This will help to balance the ceiling fan.



## INSTALLATION OF THE SAFETY CABLE SUPPORT

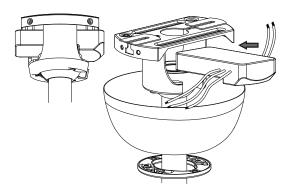
**NOTE:** If installing the secondary support safety cable in the U.S., do not remove knockouts in the outlet box.

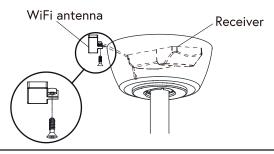
1. For Canadian installation and for USA fan and light kit combinations over 35 lbs, in both flush and downrod modes, the safety cable must be installed into the house structure beams using 3" lag screws, washers and lock washers provided. Make sure that when the safety cable is fully extended the lead wires are longer than the cable and no stress is placed on the lead wires.



## INSTALLING THE RECEIVER

- Position the house supply wires to one side of the slide-on mounting bracket; position the fan wires to the opposite side.
- 2. Insert the receiver (as shown, flat side toward ceiling) into the slide-on mounting bracket until it rests on top of the ball/downrod assembly.
- 3. For best performance, make sure the black antenna and WiFi antenna (on the end of the receiver) remain extended and not tangled with any of the electrical wiring. Place the WiFi antenna on the outside of the canopy and stick/fix it on the ceiling.





## **ELECTRICAL CONNECTIONS**

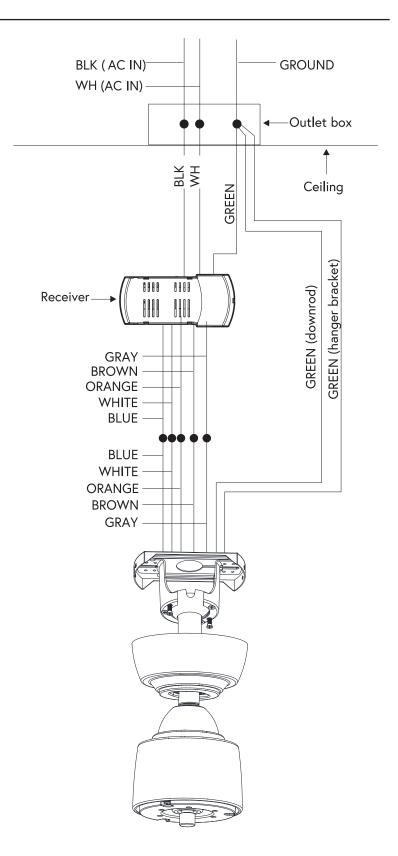
**WARNING:** To avoid possible electrical shock, be sure electricity is turned off at the main fuse box before installation.

WARNING: Check to see that all connections are tight, including ground, and that no bare wire is visible at the wire nuts, except for the ground wire.

**CAUTION:** To reduce the risk of electric shock, this fan must be installed with an isolating, general-use wall control/switch.

NOTE: Control must be installed within 30 feet of fan.

- 1. Make wire connections from the fan to the receiver unit. For this step use the bundle of 5 wires on the receiver and secure with supplied wire nuts.
  - Connect the BLUE fan wire to the BLUE receiver wire.
  - Connect the WHITE fan wire to the WHITE receiver wire.
  - Connect the ORANGE fan wire to the ORANGE receiver wire.
  - Connect the BROWN fan wire to the BROWN receiver wire.
  - Connect the GRAY fan wire to the GRAY receiver wire.
- 2. Connect the wiring from the ceiling to the receiver unit. For this step use the bundle of 3 wires on the receiver. Secure with supplied wire nuts.
  - Connect the **BLACK** building supply wire to the **BLACK** receiver wire.
  - Connect the WHITE receiver neutral wire to the WHITE building neutral wire.
  - Connect the **COPPER** building ground wire to the 2 **GREEN** ground wires from the fan and receiver.

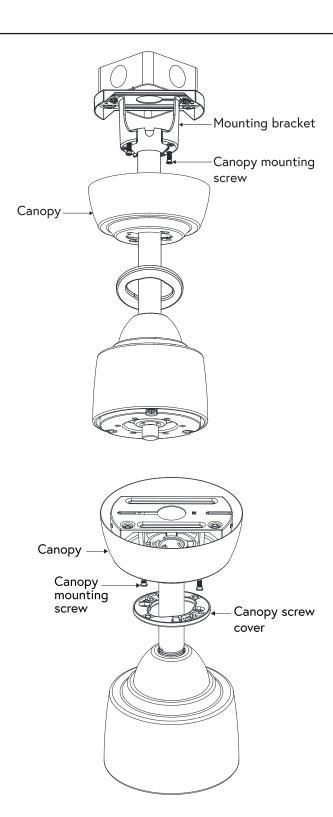


## **INSTALLING THE CANOPY**

**WARNING:** When using the standard ball/downrod mounting, the tab in the ring at the bottom of the mounting bracket must rest in the groove of the hanger ball. Failure to properly seat the tab in the groove could cause damage to the wiring.

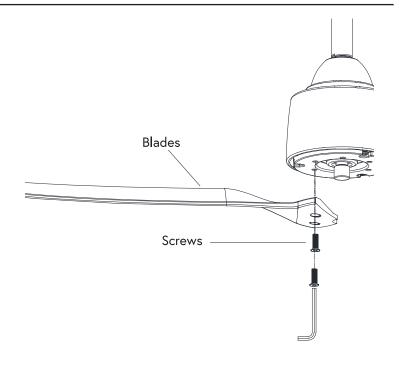
**NOTE:** The magnet is pre-attached on the canopy bottom cover for you to remove and install easily.

- 1. Align the locking slots of the canopy with the two screws and alignment post (in the slide-on mounting bracket).
- 2. Push up the canopy and turn it until the alignment post engages to the round hole and the screws engage to the key slots.
- 3. Firmly tighten the two mounting screws.
- **4.** Align the oval shape on the canopy with canopy bottom cover.
- 5. Push up the canopy bottom cover until the screw heads engage to the slots on the canopy bottom cover so that the magnetic canopy bottom cover can be attached to the bottom of the canopy properly.



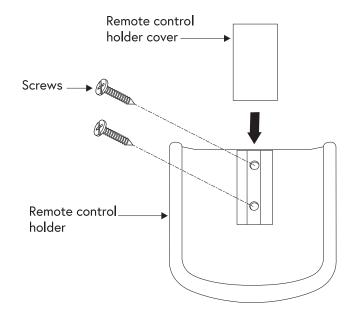
## **INSTALLING THE BLADES**

- 1. Fasten the blade to the fan motor assembly by aligning the two holes of blade and the two holes of bottom of the motor and securing with blade attachment screws.
- 2. Make sure all the blade attachment screws are firmly tightened using provided hex tool.
- 3. Repeat this step for the remaining blades.



## INSTALLING THE REMOTE CONTROL HOLDER

- 1. Remove the remote control holder cover from the remote control holder.
- 2. Attach the remote control holder with the two remote control holder mounting screw provided.
- **3.** Replace the remote control holder cover into remote control holder.



**IMPORTANT:** If you have two or more fans, please follow steps below to control each fan independently. Also follow steps below to re-pair the remote and the receiver when needed.

Install battery (included). To prevent damage to transmitter, remove the battery if not used for long periods of time.

#### 1. 1-6 buttons:

These six buttons are used to set the fan speed as follows:

- 1 = minimum speed
- 6 = maximum speed

#### **2.** (<sup>1</sup>) button:

This button turns the fan off.

#### **3.** ≋ button:

This button turns on "breeze" option.

#### 4. Dutton:

This button sets fan direction forward or reverse.

## **5.** Dutton:

If installing with a light kit (sold separately). This button controls the light "ON/OFF" and "Dimmable" options.

### 6. 2h, 4h and 8h buttons:

These three buttons are used to set the fan timer as follows:

- 2h = 2 hour timer
- 4h = 4 hour timer
- 8h = 8 hour timer

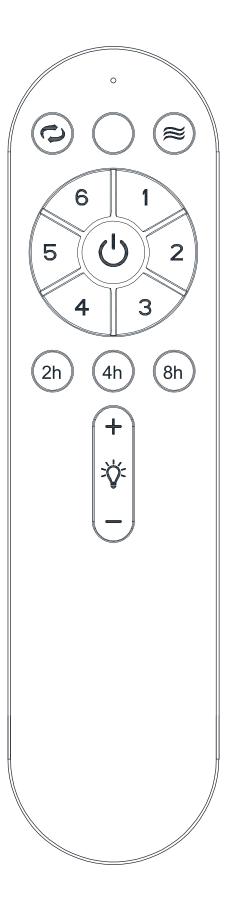
#### SET code setting button:

Follow the below steps to set the remote control:

 With the fan's power off, press and release the "Learn" button located in the remote's battery compartment within 30 seconds of turning the electrical power to the fan on.

If pairing is successful, the fan's light kit will flash (if applicable), the blades will begin to spin and the fan and light kit will turn off within 30 seconds.

**NOTE:** If the self calibration test failed, turn the AC power off; restore power and process the self calibration test again.



## **OPERATION** (continued)

**NOTE:** The learning frequency function and self calibration test will continue to retain the last set frequency and calibration set even when the AC power is shut off. If the frequency is changed the self calibration test will occur again.

This receiver provides the following protective function:

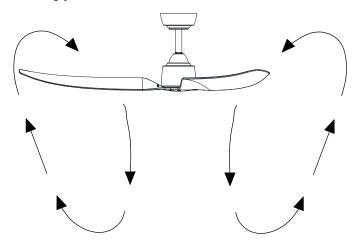
- 1. Lock Rotor Position: The DC motor has a built-in safety against a stalled or locked rotor condition (stalled blade rotation). If there is an obstruction or fault with the motor, the current monitoring function will automatically turn power off to the motor after 30 seconds. Remove the obstruction and turn the AC power off. Restore power and re-start fan motor.
- 2. Over 80W protection: When the receiver detects motor power consumption which is greater than 80W, the receiver power will be stopped and operation will immediately discontinue. Wait for 5 seconds and then turn the receiver power back on.

### Summer Mode and Winter Mode Operation

Speed settings for warm or cold weather depend on factors such as room size, ceiling height and number of fans.

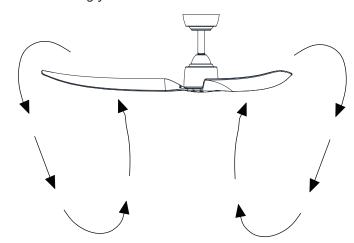
## Summer Mode (forward):

A DOWNWARD airflow creates a cooling effect. This allows you to set your air conditioner on a warmer setting without affecting your comfort.



#### Winter Mode (reverse):

A UPWARD airflow moves warmer air off the ceiling area. This allows you to set your heating unit on a cooler setting without affecting your comfort.



## OPERATING CEILING FAN WITH THE BOND APP

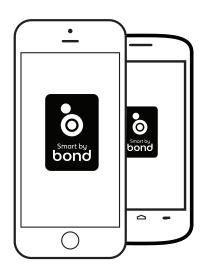
## 1. Download the BOND HOME app

 Using your smart device, navigate to the application store (Apple App Store or Google Play). Download the free BOND Home app and create an account.

#### 2. Connect to the BOND receiver

**NOTE:** Confirm that your smart device (phone/tablet) is connected to your WiFi network before proceeding.

- Ensure the fan and receiver are receiving power from the house supply by using the remote control to turn the fan and light on and off.
- Open the BOND Home app on your smart device and follow the instructions included in the app to add your fan.



## CARE AND CLEANING

- Make sure the power is off before cleaning and it is recommended to clean the fan once a year.
- Periodically it may be necessary to re-tighten blade to blade arm screws or blade arm to motor screws to prevent clicking or humming sound during operation. This is especially true in climates with broad temperature and humidity ranges.
- When dusting the blades, you must support the blade to prevent bending no pressure should be applied to the blades. If you experience any flaws in the operation of your fan, please check the following points.

## TROUBLESHOOTING

## PROBLEM

#### **SOLUTION**

#### FAN WILL NOT START

- Check circuit fuses or breakers.
- 2. Check wall control LED indicator light. If LED is not illuminated when pushing a button, it is not transmitting a signal. Please check battery, power to wall control/circuit breaker and all electrical connections.
- 3. Assure there are no more than 2 fans operating on a circuit through the wall control. Assure that there are no more than 12 fans operating on a circuit through an on/off wall switch or a breaker (not through a wall control).
- 4. Assure that the fan is within range of the wall control (30 ft.).

#### **FAN SOUNDS NOISY**

- 1. Allow a 24-hour "breaking-in" period. Most noise associated with a new fan will disappear during this time.
- 2. Make sure all motor housing screws are securely fastened.
- 3. Make sure the screws that attach the fan blade to the fan are tight.
- **4.** Make sure your ceiling box is secure and rubber isolator pads are used between the mounting bracket and outlet box.

### FAN WOBBLES

- 1. Check that all blade to motor and blade arm screws are secure.
- 2. If the blade wobble is still noticeable, interchanging two adjacent (side by side) blades can redistribute the weight and possibly result in smoother operation.
- 3. Make sure the mounting plate is securely fastened to the ceiling outlet box.
- 4. Make sure ceiling box is secure.



# FAN SLOPE CEILING ADAPTOR INSTALLATION SHEET



MODEL: LC006443

## FAN SLOPE CEILING ADAPTOR ACCESSORY

WARNING: TO REDUCE THE RISK OF ELECTRIC SHOCK, ENSURE ELECTRICITY HAS BEEN TURNED OFF AT THE CIRCUIT BREAKER OR FUSE BOX BEFORE BEGINNING.

WARNING: 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.

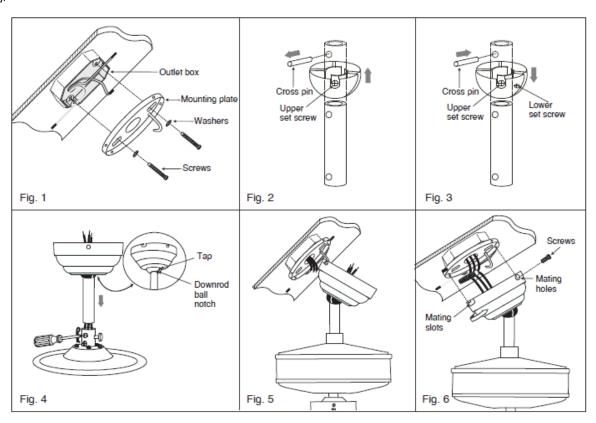
NOTE: THIS UNIT IS SOLD SEPARATELY.

- Install mounting plate to outlet box in ceiling using the screws and washers provided with your outlet box. Remove the two canopy mounting screws 180 degrees apart on outside edge of mounting plate. Loosen the two remaining screws. This will make the installation of the canopy easier in Step 5 and 6 (Fig 1).
- 2. Remove the downrod ball that was supplied with your ceiling fan by loosening the set screw. Slide the downrod ball off the downrod. Be sure to keep the crosspin supplied with your fans downrod to use with the slope ceiling adaptor ball (Fig 2).
- 3. Install the slope ceiling adaptor ball to the existing downrod or new longer downrod with the crosspin from your existing downrod. Push ball up until it engages the crosspin and tighten set screws (Fig 3).
- 4. Feed motor lead wires through downrod/canopy assembly and insert downrod into motor yoke. Make sure that the tab in the canopy engages the notch in the downrod ball. Install downrod to fan using instructions provided with your fan as this may vary from model to model (Fig 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 LICENSED ELECTRICIAN IF IN DOUBT.

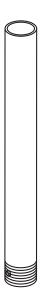
NOTE: THIS UNIT ACCOMMODATES SLOPES OF UP TO 45 DEGREES.

- 5. Carefully hang fan onto hook in mounting plate using one of the two holes in the canopy. This will allow hands-free wiring. Refer to your ceiling fan owners manual for wiring instructions (Fig 5).
- 6. Carefully lift fan from mounting plate hook, making sure not to break any wire connections. The canopy has two mating slots and two mating holes. Position both slots in canopy directly under and in line with two mounting plate screws and lock washers. Lift fan until mounting plate screws are seated in bottom of slots in canopy (Fig 6).
- Rotate canopy clockwise until both mounting screws drop into slot recesses. Tighten screws securely. Install third and fourth screws with lock washers into mating holes and tighten (Fig 6).





# FAN DOWNROD ACCESSORY INSTALLATION SHEET



MODEL: LC006447

LC006451

LC006455

LC006459

LC006463

LC006467

LC006471

LC006447 LC006455 LC006459 LC006463 LC006467 LC006471

## FAN DOWNROD ACCESSORY

**INSTALLATION SHEET** 

WARNING: TO REDUCE THE RISK OF ELECTRIC SHOCK, ENSURE ELECTRICITY HAS BEEN TURNED OFF AT THE CIRCUIT BREAKER OR FUSE BOX BEFORE BEGINNING.

WARNING: 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.

**NOTE: ALL RODS SOLD SEPARATELY** 

- Remove the hanger ball that was supplied with your ceiling fan by loosening the set screw. Slide the hanger ball off the original downrod.
- 2. Carefully feed the motor wires and safety cable up through the new downrod. Thread the new downrod into the collar.
- 3. Align the holes and replace the clevis pin and cotter pin. Tighten the two collar set screws.
- **4.** Slip the coupling cover, the canopy screw cover, and the canopy onto the new downrod.
- 5. Carefully reinstall the hanger ball onto the new downrod. Being sure that the cross pin is in the correct position, the set screw is tightened and wires are not twisted.
- **6.** Refer to specific model ceiling fan installation instructions to install ceiling fan.

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 LICENSED ELECTRICIAN IF IN DOUBT.

WARNING: FAILURE TO PROPERLY INSTALL THE COTTER PIN COULD RESULT IN THE FAN LOOSENING AND POSSIBLY FALLING.

