



READ THESE INSTRUCTIONS AND
SAVE THEM FOR FUTURE USE

Federal regulations require ceiling fans with light kits manufactured or imported after January 1, 2009, to limit total wattage consumed by the light kit to 190W. Therefore, this fan is equipped with a wattage limiting device.



Installation Guide

For Model:
E-FR52ABZ5CR

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net weight of fan: 18.96 lb. (8.6 kg)

PRINTED IN CHINA

SAFETY TIPS.

WARNING: To reduce the risk of electrical shock, turn off the electricity to the fan at the main fuse box or circuit panel before you begin the fan installation or before servicing the fan or installing accessories.

1. Read all instructions and safety information carefully before installing your fan and save these instructions.

CAUTION: To avoid personal injury, the use of gloves may be necessary while handling fan parts with sharp edges.

2. Make sure all electrical connections comply with Local Codes or Ordinances, the National Electrical Code, and ANSI/NFPA 70-199. If you are unfamiliar with electrical wiring or if the house/building wires are different colors than those referred to in the instructions, please use a qualified electrician.
3. Make sure you have a location selected for your fan that allows clear space for the blades to rotate, and at least seven (7) feet (2.13 meters) of clearance between the floor and the fan blade tips. The fan should be mounted at least thirty (30) inches (76 centimeters) from walls or other upright structures.
4. The outlet box and ceiling support joist used must be securely mounted, and capable of supporting at least 35 pounds (16 kilograms). The box must be supported directly by the building structure. Use only UL listed outlet boxes marked "FOR FAN SUPPORT."

WARNING: To reduce the risk of fire, electrical shock, or personal injury, mount to the outlet box marked "Acceptable for Fan Support," and use the mounting screws provided with 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, electrical shock, or personal injury, wire connectors provided with this fan are designed to accept only one 12 gauge house wire and two lead wires from the fan. If your house wire is larger than 12 gauge or there is more than one house wire to connect to the two fan lead wires, consult an electrician for the proper size wire connectors to use.

5. Electrical diagrams are for reference only. Light kits that are not packed with the fan must be UL listed and marked suitable for use with the model fan you are installing. Switches must be UL general use switches. Refer to the instructions packaged with the light kits and switches for proper assembly.
6. After installation is complete, check that all connections are absolutely secure.
7. After making electrical connections, spliced conductors should be turned upward and pushed carefully up into the outlet box. The wires should be spread apart with the grounded conductor and the equipment-grounding conductor on opposite sides of the outlet box.

WARNING: To reduce the risk of electrical shock and fire, do not use this fan with any variable (rheostat) wall control. (**Note:** This fan is suitable for use with remote control.)

8. Do not operate the reverse switch until the fan has come to a complete stop.
9. Do not insert anything between the fan blades while they are rotating.

WARNING: To reduce the risk of personal injury, do not bend the blade arms during assembly or after installation. Do not insert objects into the path of the blades.

WARNING: 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.

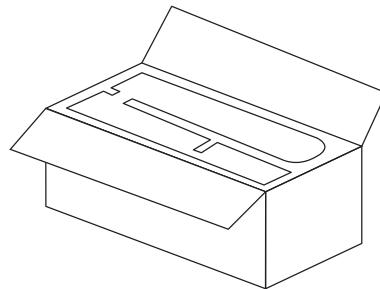
WARNING: To reduce the risk of personal injury, use **only** parts provided with this fan. **The use of parts OTHER than those provided with this fan will void the warranty.**

NOTE: The important safety precautions and instructions appearing in the manual are not meant to cover all possible conditions and situations that may occur. It must be understood that common sense and caution are necessary factors in the installation and operation of this fan.

1. Unpacking Your Fan.

Carefully open the packaging. Remove items from Styrofoam inserts. Remove motor housing and place on carpet or Styrofoam to avoid damage to finish. Do not discard fan carton or Styrofoam inserts should this fan need to be returned for repairs.

Check against parts inventory that all parts have been included.

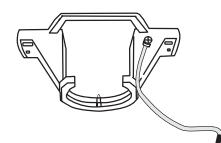


2. Parts Inventory.

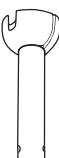
a. canopy. 1 piece



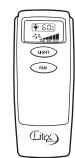
b. hanging bracket. 1 piece



c. 6in. downrod and hanging ball. 1 piece



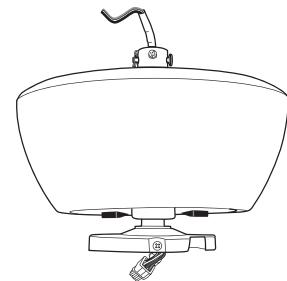
d. remote control transmitter 1 piece



e. remote control receiver. 1 piece



f. motor housing. 1 piece



g. yoke cover. 1 piece



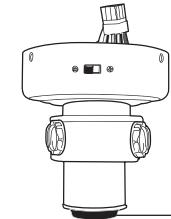
h. blade arm. 5 pieces



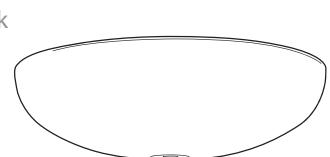
i. blade. 5 pieces



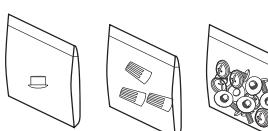
j. light kit fitter and switch housing. 1 piece



k. glass shade. 1 piece



l. finial (pre-attached to light kit fitter). 1 piece



m. hardware packs



! IMPORTANT REMINDER: You must use the parts provided with this fan for proper installation and safety. **!**

required bulbs:
3 x 40 watt max. candelabra base bulbs
(included)



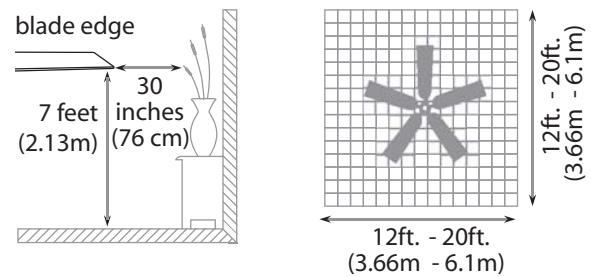
3. Installation Preparation.

To prevent personal injury and damage, ensure that the hanging location allows the blades a clearance of 7ft. (2.13m) from the floor and 30in. (76cm) from any wall or obstruction. This fan is suitable for room sizes up to 400 square feet (37.2 square meters).

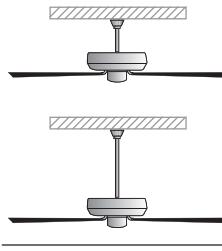
This fan can be mounted with a **downrod** on a normal or vaulted ceiling. The hanging length can be extended by purchasing a longer downrod (0.5in./1.27cm diameter). *After installing hanging bracket, continue to Section 5 on page 4 for those instructions.* This fan can mount with **flushmount** installation *only* on a normal ceiling. *After installing hanging bracket, continue to Section 6 on page 5 for those instructions.*

Installation requires these tools:

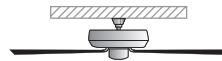
Phillips screwdriver, flat-head screwdriver, adjustable pliers or wrench, stepladder, wire cutters and rated electrical tape.



downrod installation



flushmount installation



Vaulted ceiling angle is not to exceed 25 degrees.

4. Hanging Bracket Installation.

Turn off circuit breakers to current fixture from breaker panel and be sure operating light switch is turned to the OFF position.

WARNING: Failure to disconnect power supply prior to installation may result in serious injury.

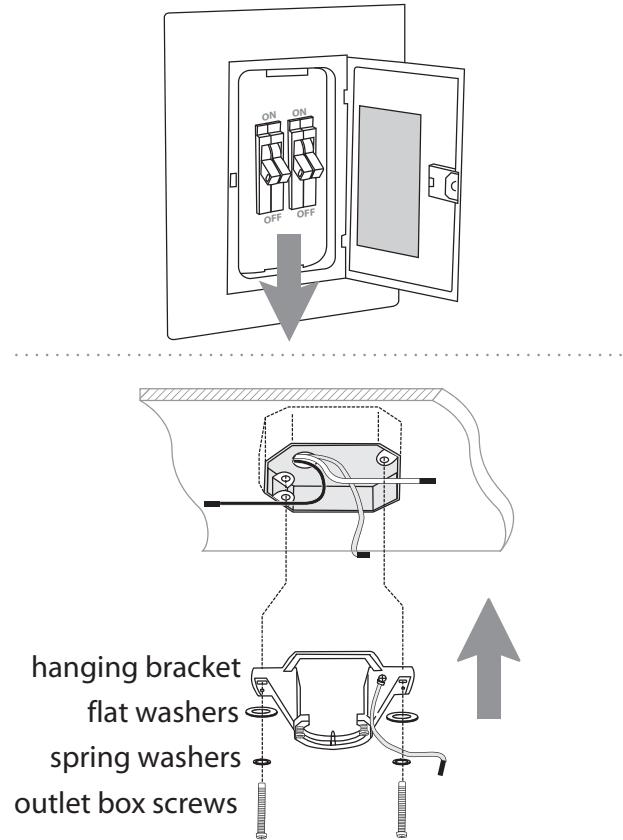
Remove existing fixture.

WARNING: When using an existing outlet box, be sure the outlet box is securely attached to the building structure and can support the full weight of the fan. Ensure outlet box is clearly marked "Suitable for Fan Support." If not, it must be replaced with an approved outlet box. Failure to do so can result in serious injury.

CAUTION: Be sure outlet box is grounded properly and that a ground wire (green or bare) is present.

Install hanging bracket to outlet box using original screws, spring washers and flat washers provided with new or original outlet box.* If installing on a vaulted ceiling, face opening of hanging bracket towards high point of ceiling. Arrange electrical wiring around the back of the hanging bracket and away from the bracket opening.

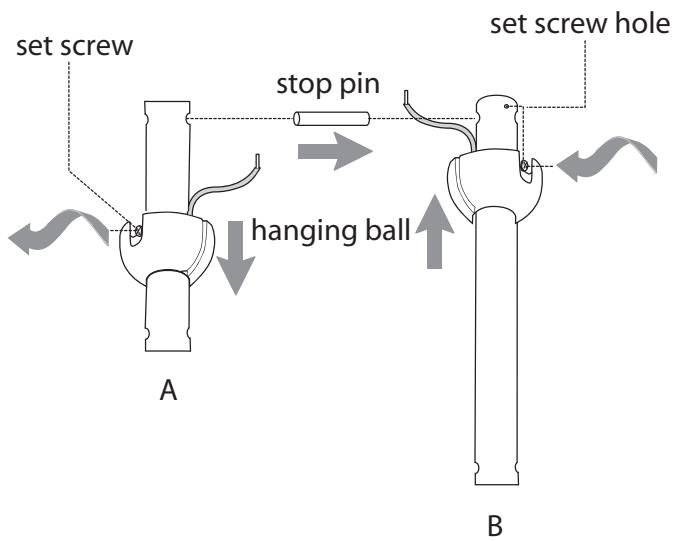
***Note:** It is very important that you use the proper hardware when installing the hanging bracket as this will support the fan.



5. Fan Assembly (with downrod).

If you wish to extend the hanging length of your fan, you must remove the hanging ball from the 6in. downrod provided to use with an extended downrod (sold separately). [If you wish to use the 6in. downrod, please proceed to instructions following the dotted line below.]

To remove hanging ball, loosen set screw on hanging ball, lower hanging ball and remove stop pin. Slide hanging ball off the original downrod, A, and slide it down the longer downrod, B (the top of the downrod should be noted as having a set screw hole; use this hole when setting the set screw). Insert stop pin into top of extended downrod and raise hanging ball. Be sure stop pin aligns with slots on the inside of the hanging ball. Tighten set screw securely.

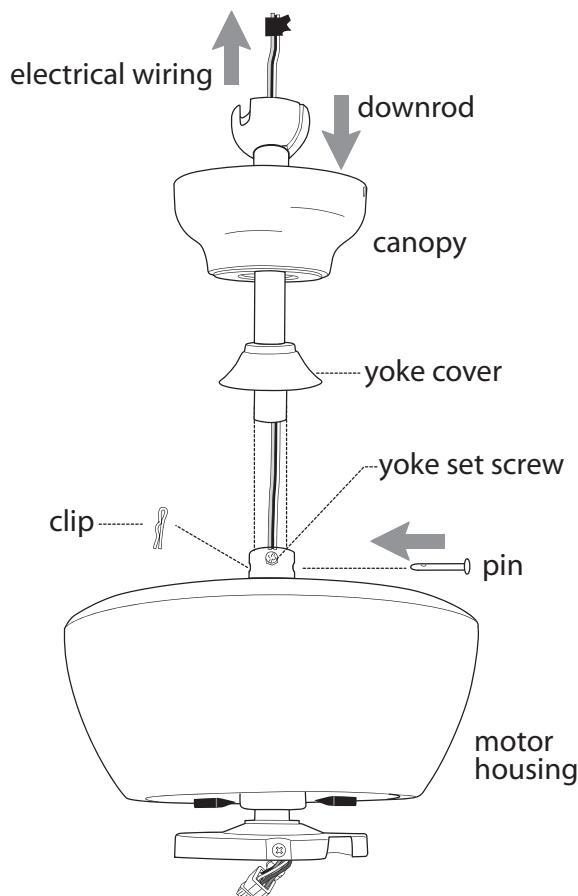


Tip: To prepare for threading electrical wires through downrod, apply a small piece of electrical tape to the ends of the electrical wires--this will keep the wires together when threading them through the downrod.

Loosen yoke set screws and nut in motor housing yoke and then remove pin and clip. Slide downrod through canopy and yoke cover.

Thread electrical wires through downrod and pull extra wire slack from the upper end of the downrod.

Place downrod into the motor housing yoke and re-insert pin and clip that were previously removed. Tighten yoke set screws and nut securely. Lower yoke cover and canopy to motor housing.



["Fan Assembly" continued on next page.]

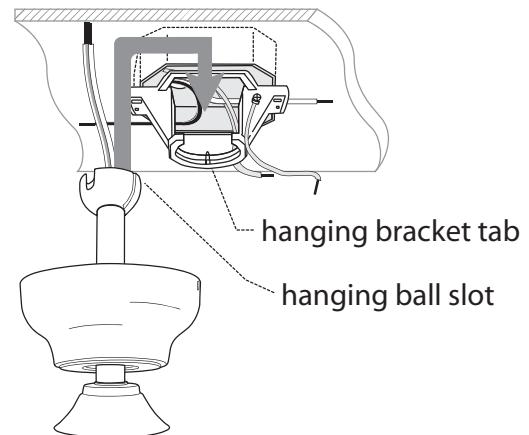
NOTE: The important safety precautions and instructions appearing in the manual are not meant to cover all possible conditions and situations that may occur. It must be understood that common sense and caution are necessary factors in the installation and operation of this fan.

5. Fan Assembly (with downrod). (cont.)

With the hanging bracket secured to the outlet box and able to support the fan, you are now ready to hang your fan. Grab the fan firmly with two hands. Slide downrod through opening in hanging bracket and let hanging ball rest on the hanging bracket. Turn the hanging ball slot until it lines up with the hanging bracket tab.

Tip: Seek the help of another person to hold the stepladder in place and to lift the fan up to you once you are set on the ladder.

Continue to wiring section for wiring diagram.



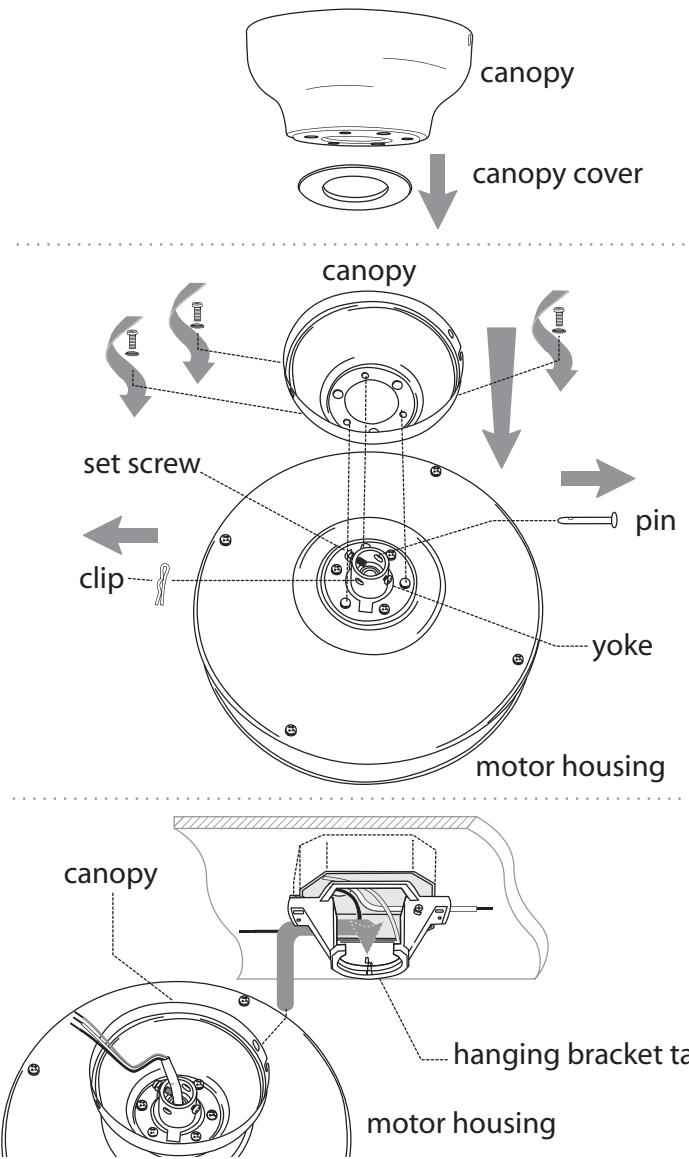
6. Fan Assembly (flushmount).

Remove and set aside canopy cover to reveal 6 holes. Notice that 3 of these holes are larger than the rest of them.

If there are only **3** screws in top of motor housing, please proceed to next paragraph. If there are **6** screws in top of motor housing, remove every other screw and lock washer.

Remove pin, clip and set screws from motor housing yoke. Thread wiring through canopy. Place canopy over yoke, aligning larger holes in canopy with the 3 existing screws in top of motor housing. Insert the 3 screws and 3 lock washers that were removed (if there were only 3 screws located in top of motor housing, these screws/lock washers will be located in one of the hardware packs) into the remaining holes. Securely tighten these screws.

To prepare the fan for wiring, hang fan onto hanging bracket by sliding the canopy over the hanging bracket tab. (Use one of the non-slotted holes on the rim of the canopy to do so.)



7. Wiring.

Use a ballpoint pen or a small screwdriver to set the code switches for the remote control transmitter and remote control receiver so that they match. Factory setting is pre-set and not recommended for use. If your remote control interferes with other appliances, change to another matching code on the remote control transmitter and receiver.

In order for the remote control to operate, one 9-volt battery (sold separately) should be installed in the remote control transmitter. After installing the battery, re-attach the battery cover.

CAUTION: Be sure outlet box is properly grounded and that a ground wire (GREEN or Bare) is present.

Make sure all electrical connections comply with Local Codes or Ordinances and the National Electrical Code. If you are unfamiliar with electrical wiring or if the house/building wires are different colors than those referred to in the diagram to the right, please use a qualified electrician.

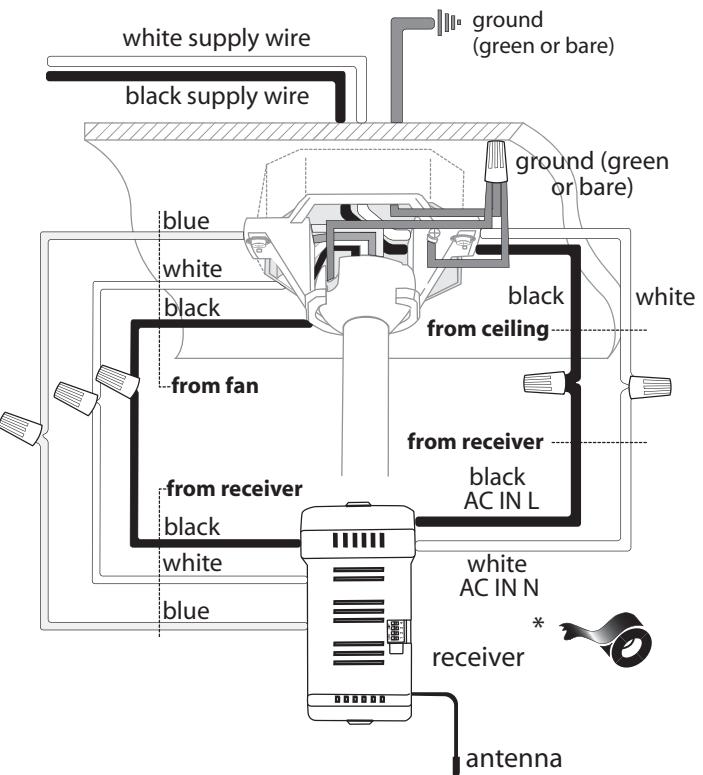
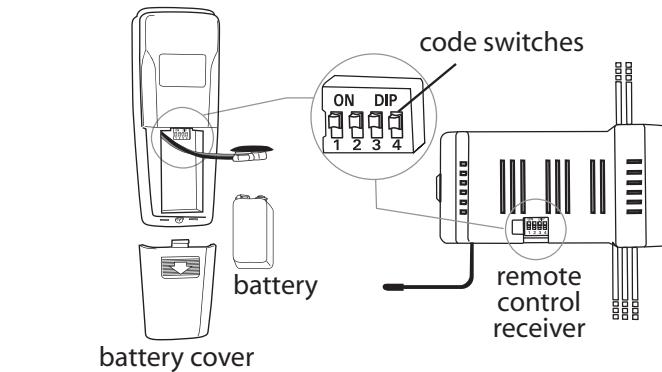
Wire the receiver with wire connectors provided as shown.

Tip: While you are wiring, keep in mind that wires must not obstruct receiver from sliding into hanging bracket.

* Wrap each wire connector separately with electrical tape as an extra safety measure.

Gently insert receiver (switch side down) into hanging bracket and carefully push taped wire connectors into outlet box. Let antenna rest outside of hanging bracket.

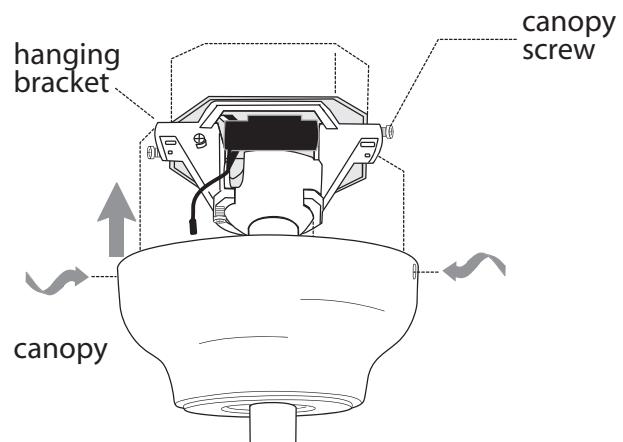
remote control transmitter



8. Canopy Assembly.

Temporarily raise canopy to hanging bracket to determine which 2 screws align with slotted holes in canopy, and then lower canopy and *partially loosen* these 2 screws. Remove the **other** 2 screws and set aside.

Now, lift canopy to hanging bracket again, aligning slotted holes in the canopy with loosened screws in hanging bracket. Twist canopy to lock. Re-insert the other 2 screws and secure all screws with Phillips screwdriver.



9. Blade Assembly.

Time Saver: Washers for blade screws can be set on each blade screw prior to installing blades.

Locate 15 blade attachment screws and washers in one of the hardware packs. Hold blade arm up to blade and align holes. Insert blade attachment screws (along with washers) with fingers first and then tighten screws securely with a Phillips screwdriver. Repeat procedure for the remaining blades.

Remove blade arm screws and lock washers from fan motor and set aside. Then, if applicable, remove plastic motor locks from underside of motor and discard plastic motor locks (*save blade arm screws and lock washers to secure blade arms*). Align blade arm holes with motor screw holes and attach blade arm with lock washers and blade arm screws. (**Note:** Use slot in fitter plate for easier access with screwdriver.) Before securing screws completely, repeat procedure with remaining blade arms. Secure all screws.

Note: Tighten blade arm screws twice a year.

10. Light Kit Assembly (Optional).

Remove 3 screws from fitter plate (on underside of motor).

If you wish to use the fan WITH the light kit, connect female plug from switch housing to male plug from motor housing. Be sure that plugs connect completely.

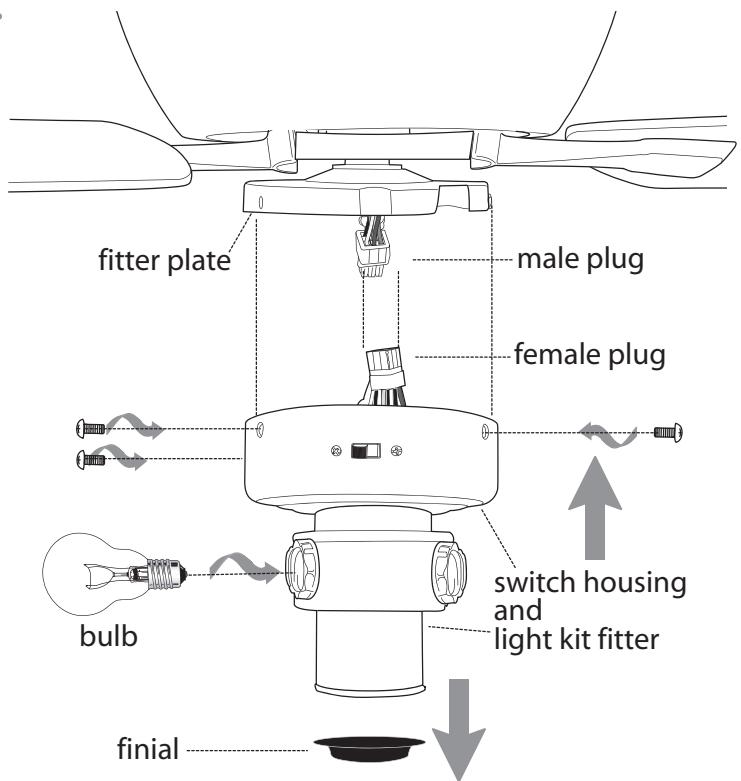
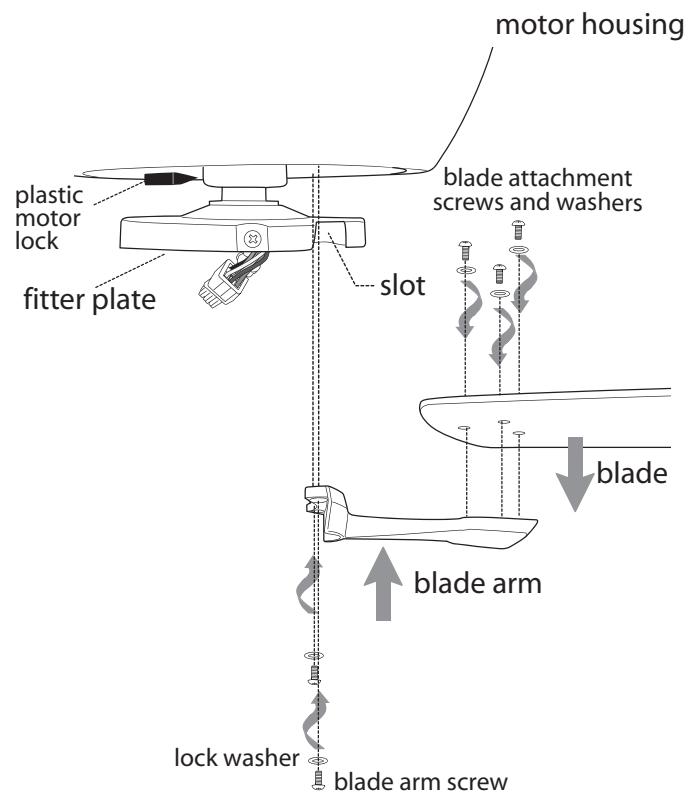
Align holes in switch housing with holes in fitter plate. Attach switch housing with the 3 screws that were previously removed. Securely tighten all 3 screws.

Remove finial from light kit fitter.

Install 3 candelabra base 40 watt max. bulbs (included).

Important: When replacing bulbs, please allow bulb(s) and glass shade to cool down before touching them.

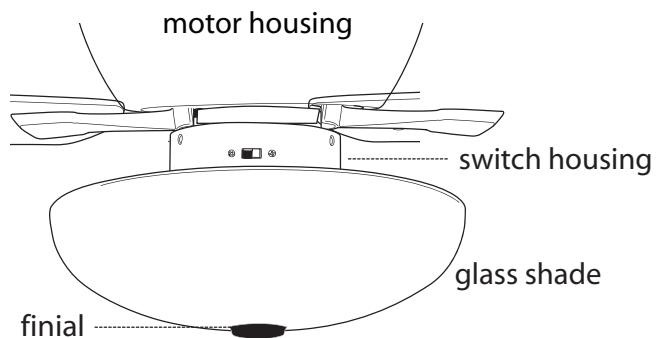
["Light Kit Assembly" continued on next page.]



10. Light Kit Assembly (Optional).(cont.)

Align hole in center of glass shade with threaded rod on light kit fitter and gently push up on glass shade. Secure glass shade with finial that was previously removed.

NOTE: Do not overtighten finial as glass may crack or break.

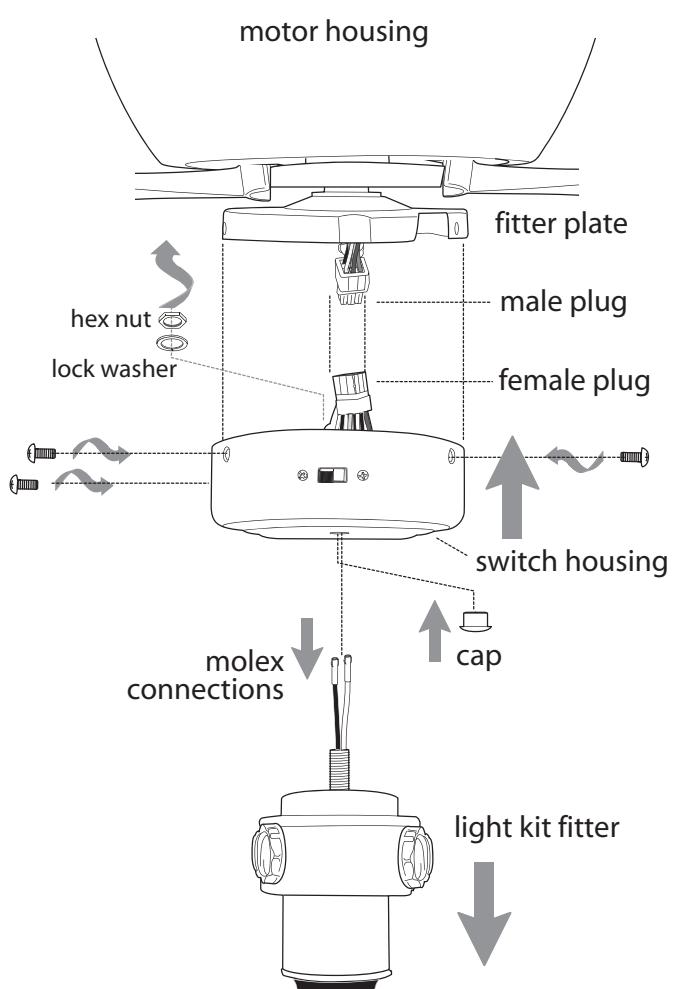


If you wish to use the fan WITHOUT the light kit, locate wires in switch housing labeled FOR LIGHT KIT CONNECTION. Gently pull molex connections apart in order to disconnect these wires.

Next, remove the hex nut and lock washer from the threaded rod at the top of the light kit fitter. Unscrew the switch housing to remove it from the light kit fitter and then gently feed the BLACK and WHITE wires from the light kit fitter through the hole in the middle of the switch housing.

Locate cap in one of the hardware packs and place firmly in hole in middle of switch housing. Connect female plug from switch housing to male plug from motor housing. Be sure that plugs connect completely.

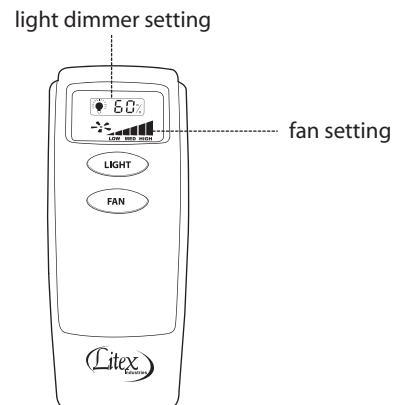
Align holes in switch housing with holes in fitter plate and attach switch housing with 3 screws that were removed on previous page. Securely tighten all 3 screws with Phillips screwdriver.



11. Remote Control Operation.

LIGHT button - Tap once to turn light ON or OFF. Liquid crystal display shows the amount of brightness as a percentage. Holding the button down for more than 2 seconds will cycle light through brightness settings. When turning the light back ON, light will return to the same brightness setting it was on when light was last turned OFF.

FAN button - cycles through 3 fan SPEEDS and then returns to the OFF setting.



12. Testing Your Fan.

It is recommended that you test fan before finalizing installation. Restore power from circuit box and light switch (if applicable). Test fan speeds with the FAN button on the remote control. Test the light ON/OFF function with remote control. Test dimmer function by holding down the LIGHT button for more than 2 seconds.

If the remote control operates all of the functions of the fan and light, battery has been installed correctly. If fan and/or light do (does) not function, please refer to "Troubleshooting" section to solve any issues before contacting Customer Service.

Turn fan completely off *before* moving the reverse switch. Set reverse switch to recirculate air depending on the season:

- LEFT position in summer (**diagram 1**)
- RIGHT position in winter (**diagram 2**)

A ceiling fan will allow you to raise your thermostat setting in summer and lower your thermostat setting in winter without feeling a difference in your comfort.

Important: Reverse switch must be set either *completely to the LEFT* or *completely to the RIGHT* for fan to function. If the reverse switch is set in the *middle* position (**diagram 3**), fan will not operate.

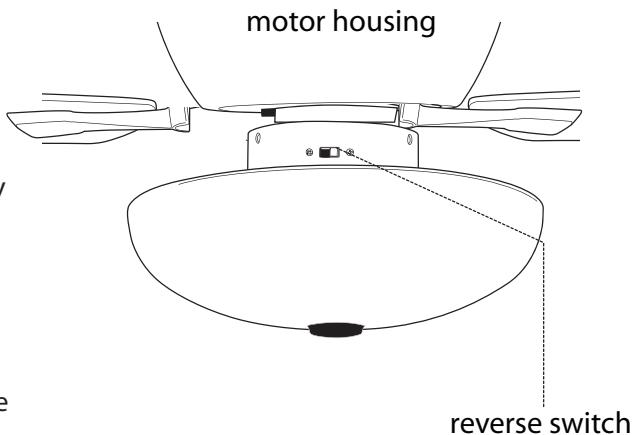


diagram 1

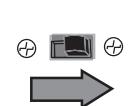


diagram 2



diagram 3

Troubleshooting.

WARNING: Failure to disconnect power supply prior to troubleshooting any wiring issues may result in serious injury.

Problem: Fan fails to operate.

Solutions:

1. Check wall switch to fan.
2. Verify that reverse switch is set completely in either direction.
3. Check to be sure code switches in remote control transmitter and receiver are set properly.
4. Check to be sure fan is wired properly.
5. Verify that male and female plugs in switch housing are connected properly.

Problem: Light kit (optional) not lighting.

Solutions:

1. Check wall switch to fan.
2. Check that bulbs are installed correctly.
3. Check to be sure code switches in remote control transmitter and receiver are set properly.
4. Check to be sure wires in canopy are wired properly.
5. Check to be sure that bulbs total no more than 190W. [Note: Lamping light kit with bulbs that total more than 190W will cause the wattage limiting device to interrupt the flow of electricity to the light kit.]
6. Verify that male and female plugs and molex connections are connected properly in switch housing.

Problem: Fan operates but light fails (if applicable).

Solutions:

1. Check that bulbs are installed correctly.
2. Check to be sure wires in canopy are wired properly.
3. Verify that male and female plugs and molex connections are connected properly in switch housing.
4. Replace defective bulbs with same type of bulb.
5. Check to be sure that bulbs total no more than 190W. [Note: Lamping light kit with bulbs that total more than 190W will cause the wattage limiting device to interrupt the flow of electricity to the light kit.]

Problem: Fan and light fail to operate with remote control.

Solutions:

1. Check battery power to remote control.
2. Check to be sure code switches in remote control transmitter and receiver are set properly.

Problem: Fan wobbles.

Solutions:

1. Use the balancing kit provided in one of the hardware packs. *If no blade balancing kit is provided, please call Customer Support, 1-800-527-1292, to request one.*
2. Check to make sure set screw(s) on motor housing yoke is (are) tightened securely.
3. Check to be sure set screw on hanging ball is tightened securely.

Warranty.

LITEX LIFETIME LIMITED WARRANTY:

LITEX INDUSTRIES, LTD. warrants this fan to the original household purchaser for indoor use under the following provisions:

1-YEAR WARRANTY: LITEX INDUSTRIES, LTD. will replace or repair any fan which has faulty performance due to a defect in material or workmanship. Contact Litex Customer Service at **1-800-527-1292** to arrange for return of fan. Return fan, shipping prepaid, to Litex Industries, LTD. We will repair or ship you a replacement fan, and we will pay the return shipping cost.

5-YEAR WARRANTY: LITEX INDUSTRIES, LTD. will repair or replace, at no charge to the original purchaser, any fan motor that fails to operate satisfactorily when failure results from normal use.

RETURN FAN MOTOR ONLY, shipping prepaid, to Litex Industries. We will repair or ship purchaser a replacement motor and Litex will pay the return shipping cost.

6-YEAR to LIFETIME LIMITED WARRANTY: LITEX INDUSTRIES, LTD. will repair the fan, at no charge to the original purchaser for labor only, if the fan motor fails to operate satisfactorily when failure results from normal use. Parts used in the repair will be billed to the purchaser at prevailing prices at time of repair.

The purchaser shall be responsible for all costs incurred in the removal, reinstallation and shipping of the product for repairs.

This warranty does not apply when damage from mechanical, physical, electrical or water abuse results in causing the malfunction. Deterioration of finishes or other parts due to time or exposure to salt air is specifically exempted under this warranty.

Neither Litex Industries nor the manufacturer will assume any liability resulting from improper installation or use of this product. In no case shall the company be liable for any consequential damages for breach of this, or any other warranty expressed or implied whatsoever. This limitation as to consequential damages shall not apply in states where prohibited.

Parts Replacement.

For parts and information, please refer to "Parts Inventory" on page 2.

Litex Customer Support:

1-800-527-1292



