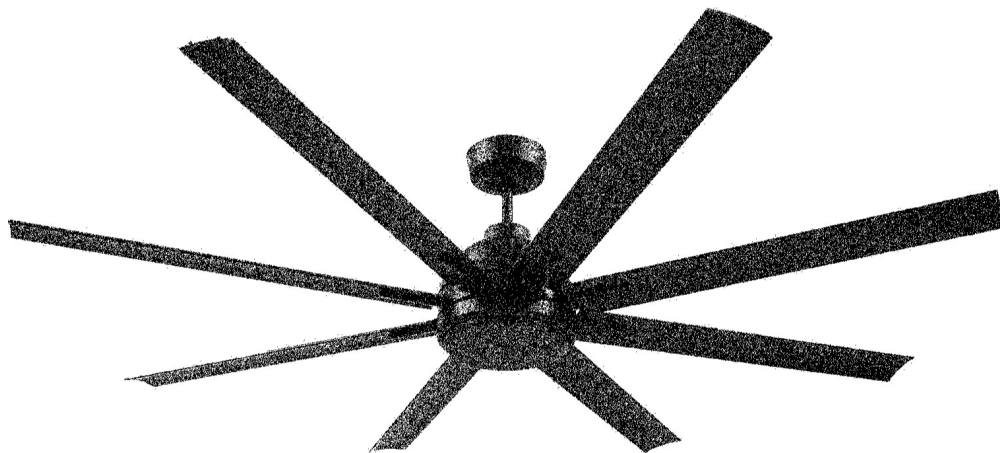




Rush

Installation Guide

For Models:

RSH65-NWF

RSH72-NWF

RSH84-NWF

WARNING:

**DC Motor will not operate
until blades are installed**

**Remote control
and receiver are
pre-programmed**



APPROVED FOR USE
IN WET LOCATIONS

net weight of fan: 30.53 lb (13.85 kg), RSH65
31.53 lb (14.3 kg), RSH72
32.85 lb (14.9 kg), RSH84

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SAFETY TIPS.

READ ALL INSTRUCTIONS AND SAFETY INFORMATION CAREFULLY BEFORE INSTALLING YOUR FAN AND SAVE THESE INSTRUCTIONS.

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 fan installation or before servicing the fan or installing accessories.
- To reduce the risk of fire, electrical shock, or personal injury, mount to an outlet box marked "Acceptable for Fan Support of 15.9 kg (35 lb) or less," 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.
- 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 corresponding fan lead wires, consult an electrician for the proper size wire connectors to use.
- If using this fan in a WET location, this fan must be connected to a supply circuit that is protected by a Ground Fault Circuit Interrupter (GFCI) to reduce the risk of personal injury, electrical shock or death.
- To reduce the risk of fire or electrical shock, do not use this fan with any solid state speed control device or control fan speed with a full range dimmer switch. [Using a full range dimmer switch to control fan speed will cause a loud humming noise from fan.]
- To reduce the risk of personal injury, do not bend the blade arms during assembly or after installation.
- To reduce the risk of personal injury or damage to the fan, do not insert objects into the path of the fan blades while they are rotating.
- To reduce the risk of serious bodily injury, DO NOT use power tools to assemble any part of the fan, including the blades.
- To avoid personal injury or damage to the fan and other items, be cautious when working around or cleaning the fan.
- This fan **MUST** be installed with the safety cable provided with the fan. Failure to use the safety cable provided may result in personal injury, damage to the fan or damage to other property.
- Metal cover for use without light kit will be HOT if light is left on. To reduce the risk of personal injury, light kit must be OFF or DISCONNECTED before installing metal cover.
- 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.**

CAUTION

- To avoid personal injury, the use of gloves may be necessary while handling fan parts with sharp edges.
- Do NOT tamper with or attempt to repair LED component of fixture. The light source is designed for this specific application and should not be serviced by untrained personnel. If any servicing is required, call our customer service department.
- Changes or modifications not approved by the party responsible for compliance could void the user's authority to operate the equipment. [The equipment refers to the remote and/or wall control and/or LED light kit.]

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- * Reorient or relocate the receiving antenna.
- * Increase the separation between the equipment and receiver.
- * Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

Consult the dealer or an experienced radio/TV technician for help.

- The LED light kit complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this LED light kit may not cause harmful interference, (2) this LED light kit must accept any interference received, including interference that may cause undesired operation.

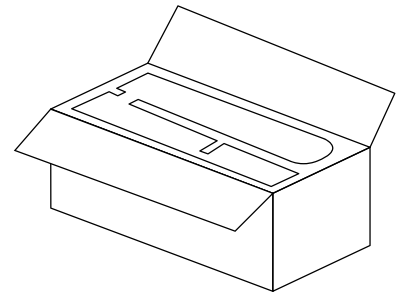
1. Make sure all electrical connections comply with Local Codes or Ordinances, the National Electrical Code, and ANSI/NFPA 70-1999. If you are unfamiliar with electrical wiring or if the house/building wires are different colors than those referred to in the instructions, please use a qualified electrician.
2. Make sure you have a location selected for your fan that allows clear space for the blades to rotate and at least ten (10) feet (3.05 meters) of clearance between the floor and the fan blade tips. The fan should be mounted so that the tips of the blades are at least thirty (30) inches (76 centimeters) from walls or other upright structures.
3. The outlet box and ceiling support joist used must be securely mounted, and capable of supporting at least 35 pounds (15.9 kilograms). The outlet box must be supported directly by the building structure. Use only CUL in Canada or UL in USA listed outlet boxes marked "FOR FAN SUPPORT."
4. Electrical diagrams are for reference only.
5. After installation is complete, check that all connections are absolutely secure.
6. 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.
7. Do not operate the reverse switch until the fan has come to a complete stop. **[Note: If using remote control with reverse capability, reverse fan blade direction only when on LOW speed.]**
8. 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.
9. Light kit is dimmable to 10% with the remote control included.

Distributed by: Craftmade, 3901 S. 20th Avenue, DFW Airport, TX, 75261; 1-800-486-4892

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.

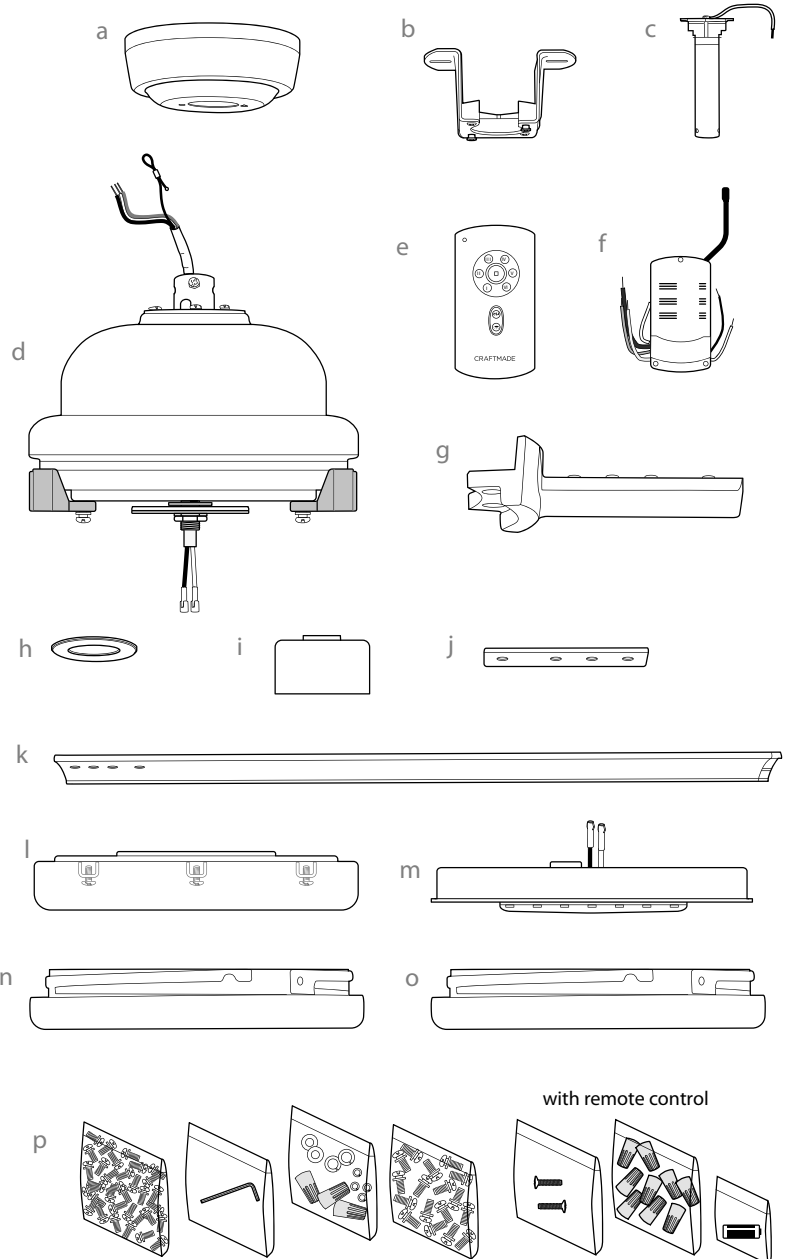
1. Unpacking Your Fan.

Carefully open the packaging. Remove items from inserts. Remove motor housing and place on carpet or inserts to avoid damage to finish. Do not discard fan carton or 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.** downrod. 1 piece
- d.** motor housing. 1 piece
- e.** remote control transmitter. 1 piece
- f.** remote control receiver. 1 piece
- g.** blade arm. 8 pieces
- h.** canopy cover. 1 piece
- i.** yoke cover. 1 piece
- j.** blade plate. 8 pieces
- k.** blade. 8 pieces
- l.** fitter plate. 1 piece
- m.** LED light kit. 1 piece
- n.** shade. 1 piece
- o.** metal cover. 1 piece
- p.** hardware packs



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

3. Installation Preparation.

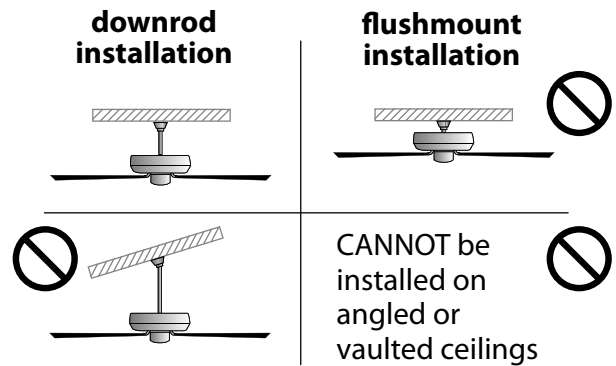
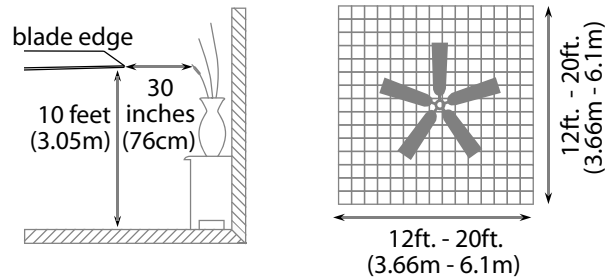
To prevent personal injury and damage, ensure that the hanging location allows the blades a clearance of 10 feet (3.05m) from the floor and 30in. (76cm) from any wall or obstruction.

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 regular (no slope) ceiling **only**. Fan *cannot* be mounted as a flushmount *nor* on a vaulted ceiling.

Installation requires these tools:

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



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.

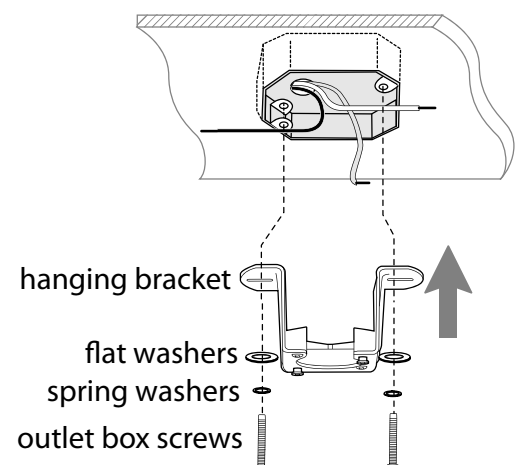
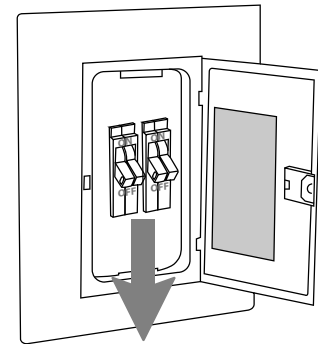
Remove existing fixture.

⚠ 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 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.

Remove 2 set screws from the top of downrod and save for later use. Remove top of downrod from downrod provided by loosening Allen screws on top of downrod with Allen wrench provided. Lower top of downrod and remove stop pin. Then slide top of downrod off downrod. [Refer to **diagram 1**.]

Loosen yoke set screws and nuts at top of motor housing. Remove pin and clip from motor housing yoke. [Refer to **diagram 2**.]

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. [Refer to **diagram 2**.]

Determine the length of downrod you wish to use. Thread safety cable and electrical wires through threaded end of downrod and pull extra wire slack from the upper end of the downrod. [Refer to **diagram 2**.]

Thread downrod into the motor housing yoke until holes for pin and clip in downrod align with holes in yoke--*make sure wires do not get twisted*. Re-insert pin and clip that were previously removed. Tighten yoke set screws and nut securely. [Refer to **diagram 2**.]

Slide yoke cover, canopy cover and canopy over downrod. [Refer to **diagram 3**.] (**NOTE:** Canopy cover must be turned with smooth side *toward* the motor housing.)

Thread safety cable and wires through top of downrod; then, slide top of downrod over downrod. Insert stop pin into top of downrod and raise top of downrod. Be sure stop pin aligns with slots on the inside of the top of downrod. Tighten Allen screws on the side of top of downrod using Allen wrench (included) securely. [Refer to **diagram 4**.]

⚠ WARNING: Failure to tighten Allen screws (on top of downrod) completely could result in the fan becoming loose and possibly falling.

["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.

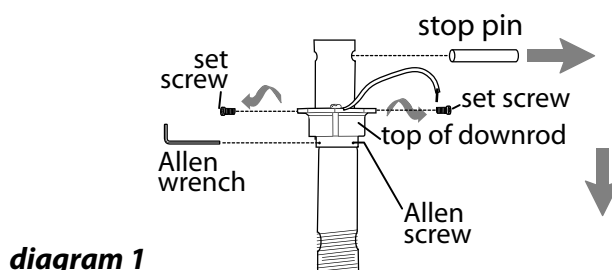


diagram 1

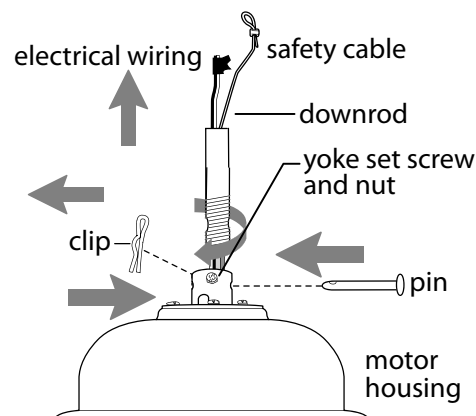


diagram 2

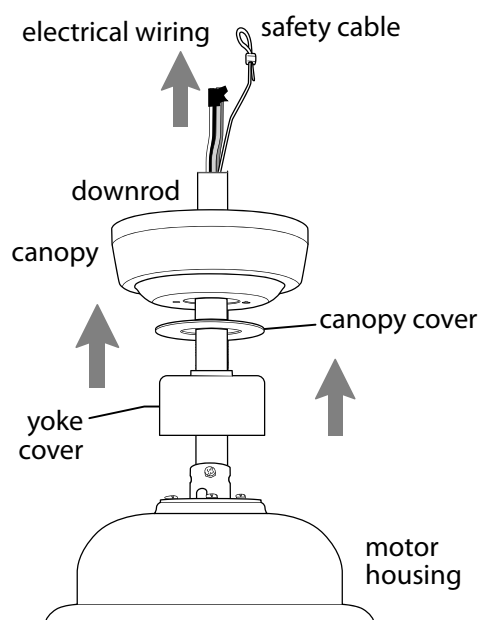


diagram 3

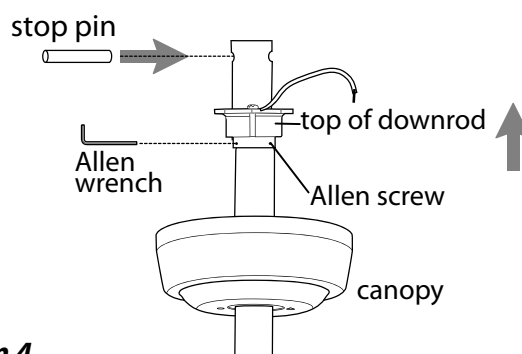


diagram 4

5. Fan Assembly. (cont.)

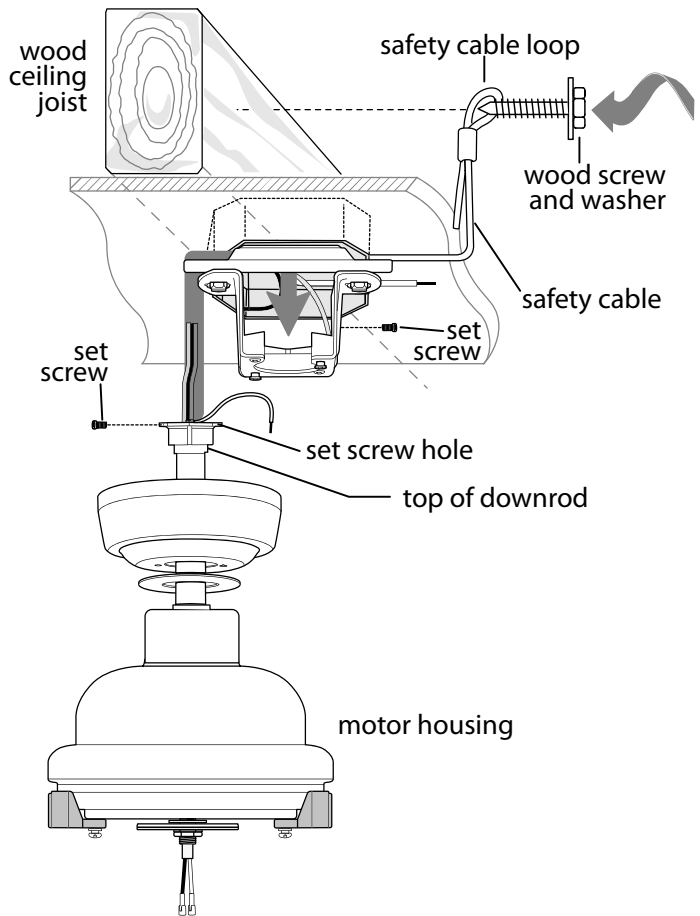
With the hanging bracket secured to the outlet box and able to support the fan, you are now ready to hang your fan. Grab the fan firmly with two hands and the slide downrod through opening in hanging bracket. Turn downrod so that the straight edges of the top of downrod align with the sides of the hanging bracket. Pull down firmly on the downrod until it sits securely inside the hanging bracket and the set screw holes align with the hanging bracket set screw holes. Attach downrod to the hanging bracket by re-inserting set screws that were previously removed from top of downrod. Tighten both screws securely.

IMPORTANT: Due to the size (weight) of this fan, it is advisable to seek the help of another person to hold the stepladder in place and to then help lift the fan up to you once you are set on the ladder.

⚠ WARNING: Failure to align straight edges of the top of downrod with sides of hanging bracket may result in serious injury or death.

⚠ WARNING: Failure to re-insert and completely tighten the downrod set screws at the top of the downrod may result in serious injury or death.

Find a secure attachment point (wood ceiling joist highly recommended) and secure safety cable. It will be necessary to use a heavy duty wood screw, washer and lock washer (not supplied) with the safety cable loop. If necessary, adjust the loop at the end of the safety cable. The loop at the end of the safety cable should just fit over the threads on the wood screw. *Test safety cable by pulling on loose end of safety cable with pliers. If the safety cable slips, the loop must be adjusted smaller.* Extra cable slack can be left in ceiling area.



6. Wiring.

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

⚠ 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.

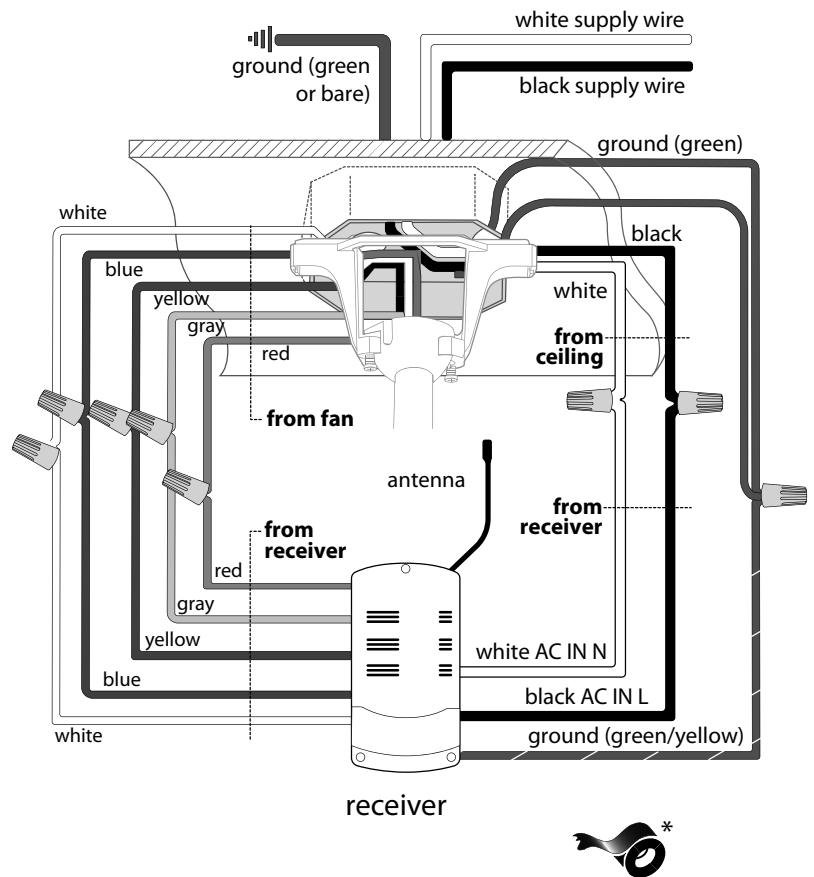
Note: Excess lead wire length from the fan can be cut to the desired length and then stripped.

When downrod is secured in place on the hanging bracket, **WIRE THE RECEIVER** with wire connectors provided as shown in diagram at right.

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.

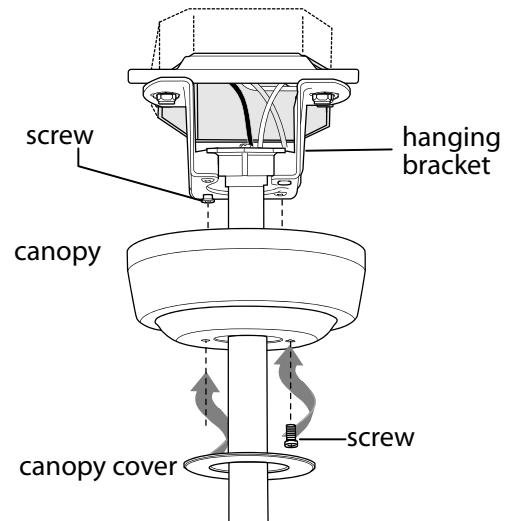
Gently insert receiver (flat side up) into hanging bracket and carefully push taped wire connectors into outlet box. Let antenna from receiver rest *outside* of hanging bracket.



7. Canopy Assembly.

Locate 2 screws on underside of hanging bracket and remove Phillips screw closest to the open end of the hanging bracket. Partially loosen the other Phillips screw. Lift canopy to hanging bracket. Place rounded part of slotted hole in canopy over loosened screw in hanging bracket and push up. Twist canopy to lock. Re-insert screw that was removed and then tighten both screws securely.

Slide canopy cover up to canopy, aligning rounded part of slotted holes in canopy cover with screwheads in bottom of canopy. Turn canopy cover to the right (clockwise) until it stops.



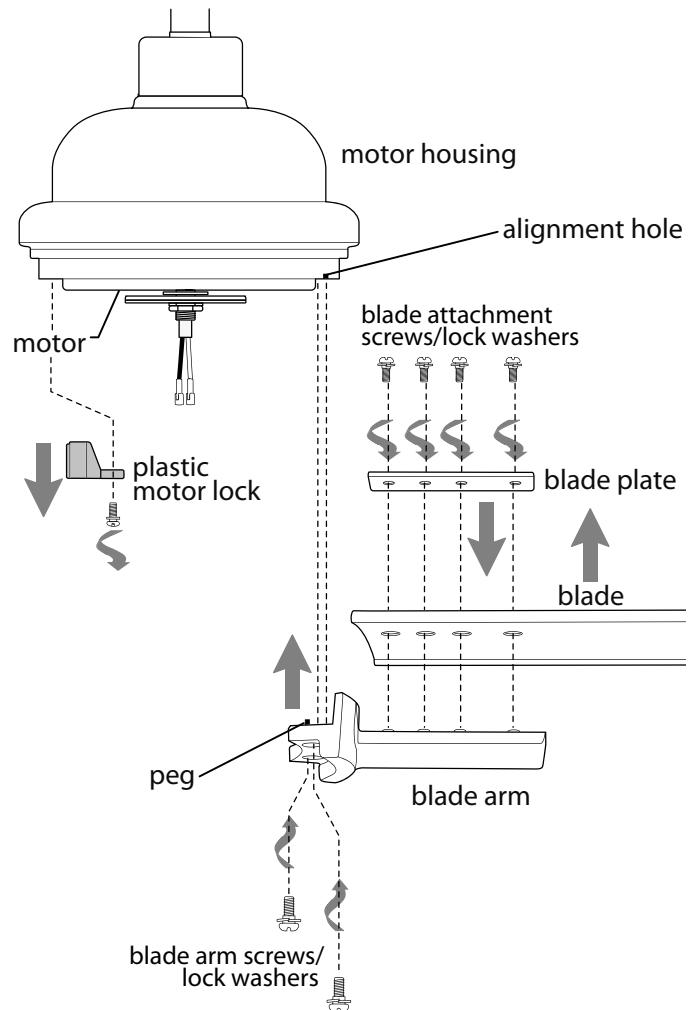
8. Blade Assembly.

⚠ WARNING: To reduce the risk of serious bodily injury, DO NOT use power tools to assemble the blades. If screws are overtightened, blades may crack and break.

Locate 32 blade attachment screws/lock washers in one of the hardware packs. Turn blade so curved side is facing UP and then place blade arm on *UNDERSIDE* of one blade aligning holes in blade arm with holes in blade *as shown*. Place blade plate on *TOPSIDE* of blade, aligning holes in blade plate with holes in blade *as shown*. Insert 4 blade attachment screws/lock washers from *TOPSIDE* of blade, through the blade plate, with fingers first and then tighten screws securely with a Phillips screwdriver. Repeat procedure for all remaining blades.

Remove blade arm screws/lock washers from underside of motor that hold plastic motor locks in place. Discard plastic motor locks along with blade arm screws/lock washers just removed. Locate 16 blade arm screws/lock washers in a hardware pack. Place blade arm on underside of motor, aligning blade arm holes and peg with motor screw holes and alignment hole for peg. Attach blade arm with blade arm screws/lock washers. Before securing screws permanently, repeat with remaining blade arms. Securely tighten all screws.

NOTE: Tighten blade arm screws twice a year.



9. Light Kit Assembly.

Remove 1 screw from motor plate on underside of motor housing and partially loosen the other 2 screws. Align slotted holes in fitter plate with loosened screws in motor plate, allowing molex connections from motor housing to come through hole in middle of fitter plate. Twist fitter plate to lock. Re-insert screw that was just removed and securely tighten all 3 screws with a Phillips screwdriver.

Remove 1 screw from post on underside of fitter plate and partially loosen the other 2 screws.

If you wish to use the light kit, connect **WHITE** wire from LED light kit to **WHITE** wire from motor housing. Connect **BLACK** wire from LED light kit to **BLACK** (or **BLUE**) wire from motor housing. [NOTE: It may be necessary to push back sleeve on wires to be certain of wire colors.] Be sure that molex connections snap together completely.

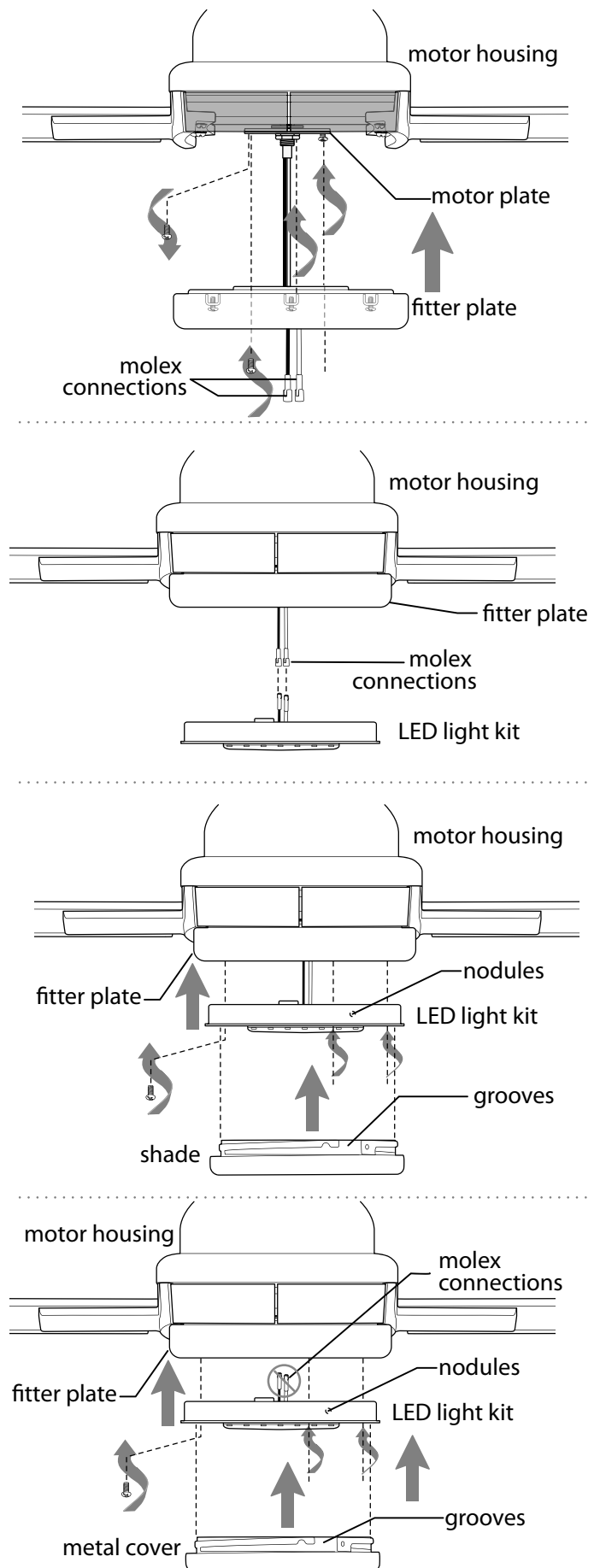
Carefully arrange wiring within fitter plate. Align slotted holes in LED light kit with loosened screws on posts in fitter plate. Twist LED light kit to lock. Re-insert screw that was previously removed and tighten all 3 screws securely.

Align grooves on shade with nodules on inside of LED light kit and push up gently on shade. Twist shade to the RIGHT (clockwise) until shade locks into place. *Pull down VERY GENTLY on shade to make sure that shade is secure.*

If you do NOT wish to use the light kit, locate slots on metal cover and align with nodules inside LED light kit. Gently push up on metal cover and turn to the RIGHT (clockwise) until it no longer turns.

⚠ WARNING: Do **NOT** connect the molex connections for the LED light kit if you do NOT wish to use the light.

⚠ WARNING: Metal cover will be **HOT** if light is left on.



10. Remote Control Operation.

Remote control and receiver are pre-programmed.

Remove battery cover on back side of remote control transmitter. Install one 12-volt battery (included).

⚠ WARNING: Battery is to be inserted with the correct polarity.

Replace the battery cover. Restore electrical power. Test the light and fan functions to confirm the programming process is complete--see *Section 12*.

NOTE: Remove battery with low or no charge and dispose of properly.

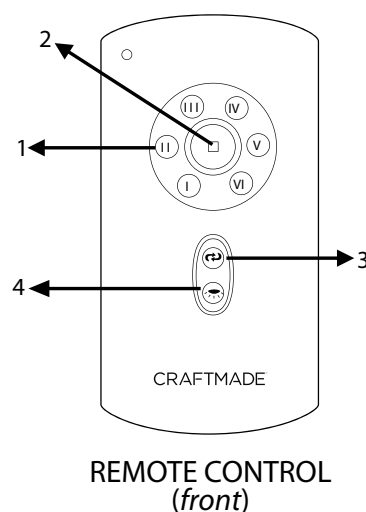
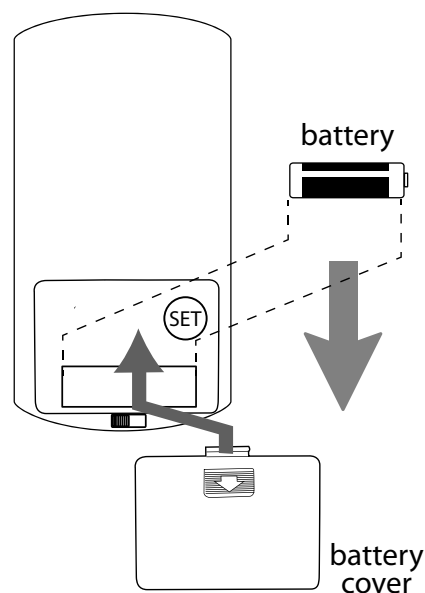
IMPORTANT: Store the remote control transmitter away from excess heat or humidity. To prevent damage to remote control transmitter, remove the battery if remote control transmitter will not be used for long periods.

⚠ CAUTION: "DO NOT DISPOSE OF BATTERIES IN FIRE, BATTERIES MAY EXPLODE OR LEAK." - When disposing of household alkaline batteries, it is best to check with your local and state recycling or household hazardous waste coordinators concerning the specifics of the program in your area. You may also locate a recycling center by calling 1-800-8-BATTERY or 1-877-2-RECYCLE or visit www.epa.gov/epawaste/index.htm or www.earth911.org for more information.

⚠ WARNING: Choking/Ingestion Hazard - Small parts. Keep battery away from children.

⚠ WARNING: Battery is NOT rechargeable. A non-rechargeable battery is not to be recharged.

REMOTE CONTROL
(back)



Fan **SPEED** buttons (1): Use to control ceiling fan speeds 1 - 6

Fan **OFF** button (2): Use to turn the fan off

REVERSE function button (3): Use to control direction of fan rotation

LIGHT button (4): Use to control light

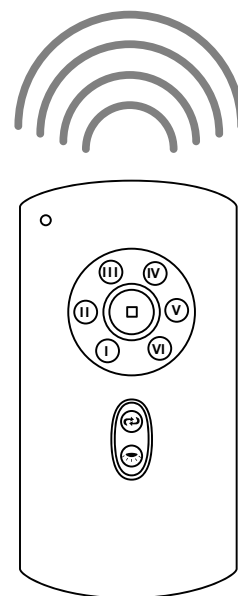
11. Testing Your Fan.

It is recommended that you test fan before finalizing installation. Restore power from circuit box and wall switch (if applicable). Test fan speeds with the different fan speed buttons (I - VI) on remote control transmitter. Test the light ON/OFF function by pressing the  button; test the dimmer function by pressing the  button and holding it down for up to 5 seconds. If the remote control transmitter operates all of the functions of the fan and light, battery has been installed correctly. If the remote control transmitter does not operate all of the fan and light functions, refer to "Troubleshooting" section to solve any issues before contacting Customer Service.

Fan *must* be on LOW *before* setting the fan in reverse. Use the  button to recirculate air depending on the season. 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.

NOTE: If remote control interferes with other appliances, or does not function correctly, follow the instructions for the SET button in Section 13 below.

IMPORTANT: Remote control transmitter must be synchronized with fan in order to function properly.



12. Programming Fan./Activating New Code.

⚠ CAUTION: The remote control transmitter can be programmed to multiple receivers or fans. If this is not desired, turn wall switch off to any other programmable receiver or fan.

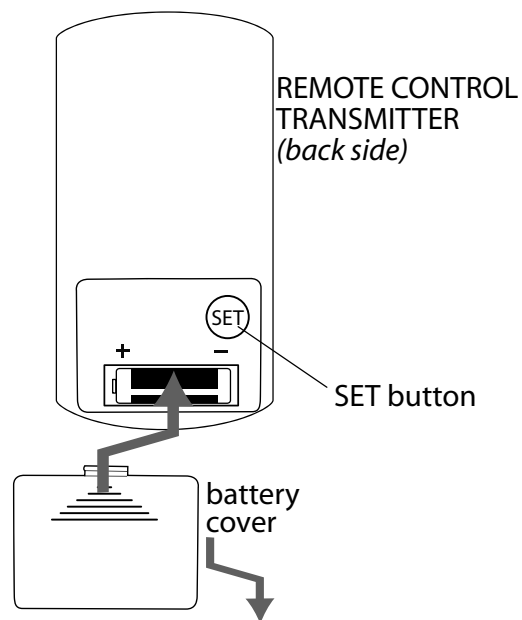
If fan and/or remote control fail(s) to operate or you have purchased a new remote control transmitter, make sure to turn the power off first. Remove battery cover on back side of remote control transmitter. If you have not already installed a battery, install one 12-volt battery (included).

⚠ WARNING: Battery is to be inserted with the correct polarity.

Restore electrical power. Within 60 seconds of restoring the power, press and hold the fan **SET** button for 5 seconds or until light blinks 3 times. Replace the battery cover.

Test the light and fan functions to confirm the learning process is complete--see Section 12 above.

IMPORTANT: *The Automated Programming Process takes approximately 5 minutes to complete.* Please **leave the fan "ON"** for the duration of the 5-minute programming and **do NOT use the remote control or turn off the power** during this time. The fan will **cycle through ALL SIX (6) speeds in forward and reverse** and will **then stop automatically** after the programming process is complete.



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. Check to be sure fan is wired properly.
3. Programming may have been lost between fan and remote control transmitter. Turn off power and repeat instructions for SET button in Section 13 (page 13).
4. Check that red light on remote control turns on when a button is pressed indicating that the battery is good.

Problem: Light kit not lighting.

Solutions:

1. Check wall switch to fan.
2. Check to be sure wires in canopy are wired properly.
3. Verify that molex connections in LED light kit are properly connected.
4. Programming may have been lost between fan and remote control transmitter. Turn off power and repeat instructions for SET button in Section 13 (page 13).

Problem: Fan operates but light fails.

Solutions:

1. Check to be sure wires in canopy are wired properly.
2. Verify that molex connections in LED light kit are properly connected.

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

Solutions:

1. Check battery power to remote control.
2. Programming may have been lost between fan and remote control transmitter. Turn off power and repeat instructions for SET button in Section 13 (page 13).

Problem: Fan wobbles.

Solutions:

1. Check to be sure set screw(s) on motor housing yoke is (are) tightened securely.
2. Check to be sure set screws on top of downrod are tightened securely.

Warranty.

All products are designed to be sold in North America with 120 Volt / 60Hz electric grid.

CRAFTMADE LIMITED LIFETIME WARRANTY: CRAFTMADE warrants this fan for use as intended under the following provision: CRAFTMADE will replace any fan which has faulty performance due to a defect in material or workmanship or fails to operate satisfactorily when failure results from normal use. Contact Craftmade Customer Service at 1-800-486-4892, Option 1 or via email at customerservice@craftmade.com.

In the event a product is no longer available, CRAFTMADE will make best efforts to offer a comparable product or credit towards another CRAFTMADE fan.

The purchaser shall be responsible for all costs incurred in the removal and reinstallation.

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. Shades and light bulbs are not covered by this warranty but will be replaced if found broken at time of purchase.

Neither CRAFTMADE 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 or Technical Assistance.

For parts, replacement, technical assistance or additional information, please have the fan model number, name or picture available and contact Craftmade in one of the following ways
Customer Support:

1-800-486-4892, Option 1

Technical Support:

1-800-486-4892, Option 2

Email:

customerservice@craftmade.com
www.craftmade.com

CRAFTMADE™