CRAFTMADE™

Stonegate

Installation Guide

For Model:
STO52

Table of Contents:

ETL
C US
LISTED
Intertek

net weight of fan: 17.86 lb (8.1 kg)

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 70-1999. 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.
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 so that the tips of the blades are 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 outlet box must be supported directly by the building structure. Use only CETL or CUL in Canada or ETL or UL in USA 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 of 15.9 kg (35 lbs) 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.

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 corresponding 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 ETL or UL listed and marked suitable for use with the model fan you are installing. Switches must be ETL or 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 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.] (**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.
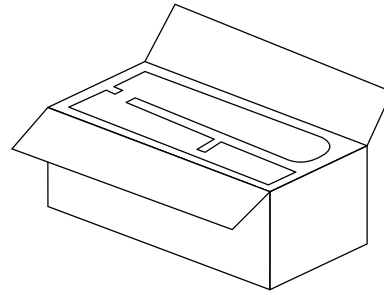
WARNING: This fan MUST be installed with the safety cable provided with the fan. Failure to use the safety cable provided may result in personal injury, damage to the fan or damage to other property.

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.
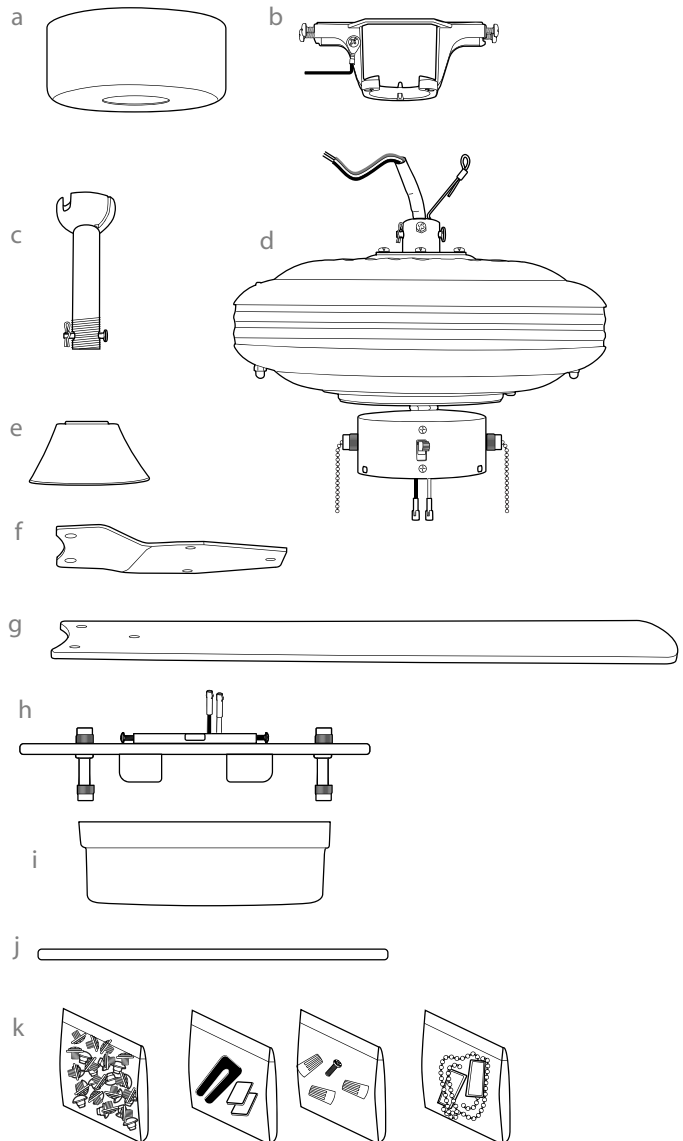
1. Unpacking Your Fan.

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.
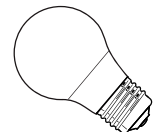Check against parts inventory that all parts have been included.

2. Parts Inventory.

a

b

a. canopy. 1 piece

b. hanging bracket. 1 piece

c

d

c. downrod and hanging ball (with pin & clip). 1 piece

d. motor housing. 1 piece

e

e. yoke cover. 1 piece

f. blade arm. 5 pieces

f

g. blade. 5 pieces

g

h. light kit fitter. 1 piece

h

i. glass shade (preattached to light kit fitter). 1 piece

j. shade ring (preattached to light kit fitter). 1 piece

i

j

k. hardware packs

k

⚠ **IMPORTANT REMINDER**: You must use the parts provided with this fan for proper installation and safety. ⚠
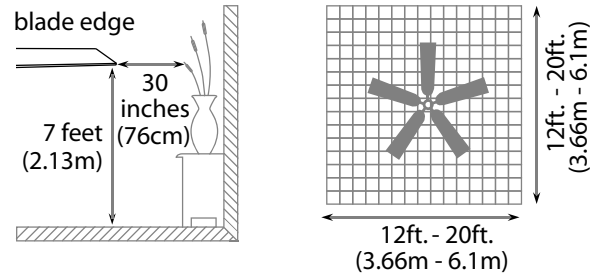
required bulbs:
2 x 9 watt medium base LED bulbs (included)

3. Installation Preparation.

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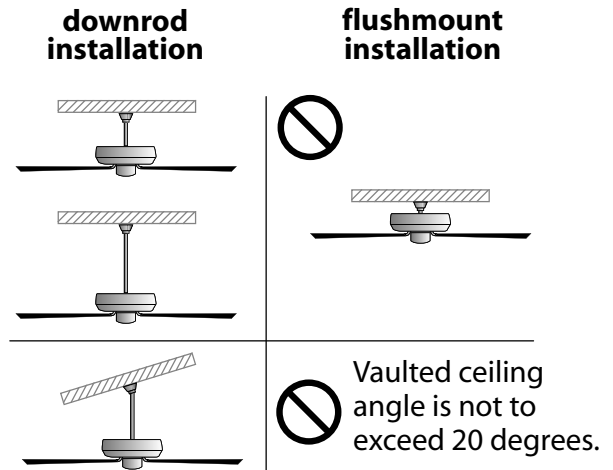This fan is suitable for room sizes up to 400 square feet (37.2 square meters).

blade edge

30 inches (76cm)

7 feet (2.13m)

12ft. - 20ft. (3.66m - 6.1m)

12ft. - 20ft. (3.66m - 6.1m)

This fan can be mounted with a **downrod** on a regular (no-slope) or vaulted ceiling. The hanging length can be extended by purchasing a longer downrod (0.5 in /1.27 cm diameter). Other installation, such as **flushmount**, is *not* available for this fan.

downrod installation

flushmount installation

Installation requires these tools:
Phillips screwdriver, flat-head screwdriver, adjustable pliers or wrench, stepladder, wire cutters, and rated electrical tape.

Vaulted ceiling angle is not to exceed 20 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.*
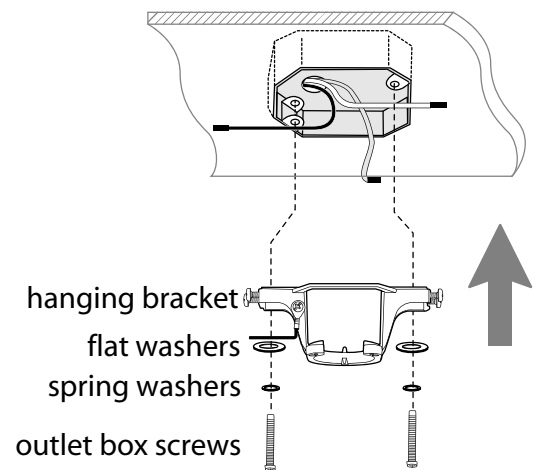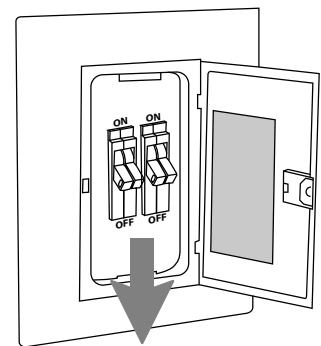
Remove existing fixture.
WARNING: *When using an existing outlet box, be sure the outlet box is securely attached to the building structure and can support the full weight of the fan. Ensure the outlet box is clearly marked "Suitable for Fan Support." If not, it must be replaced with an approved outlet 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.*

hanging bracket
flat washers
spring washers
outlet box screws

5. Fan Assembly.

Remove hanging ball from downrod provided by loosening set screw on hanging ball. Remove pin and clip. Lower hanging ball and remove stop pin. Then slide hanging ball off of downrod. [*Refer to* **diagram 1**.]

Loosen yoke set screws and nut at top of motor housing. [*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 previously removed. Tighten yoke set screws and nut securely. [*Refer to* **diagram 2**.]

Slide yoke cover and canopy over downrod. [*Refer to* **diagram 3**.]

Thread wires through hanging ball; then slide hanging ball over downrod--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 downrod and raise hanging ball. Be sure stop pin aligns with slots on the inside of the hanging ball. Tighten set screw securely. [*Refer to* **diagram 4**.]

WARNING: Failure to tighten set screw (on hanging ball) 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.
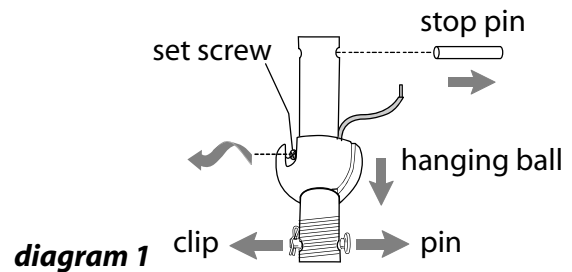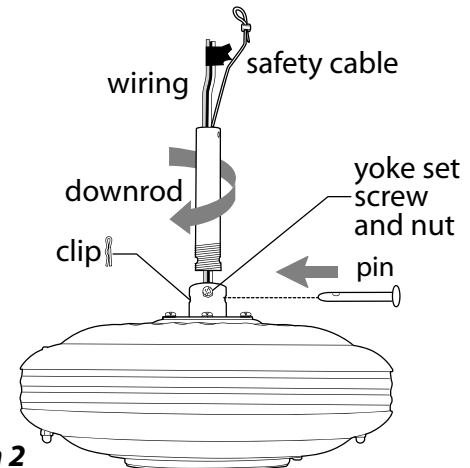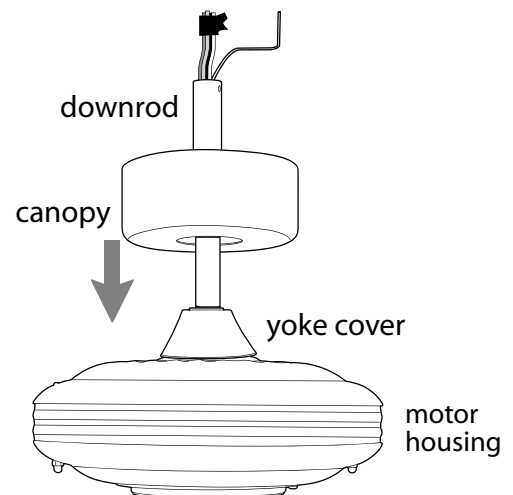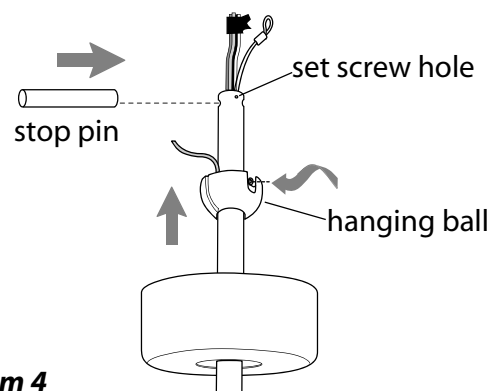

diagram 1

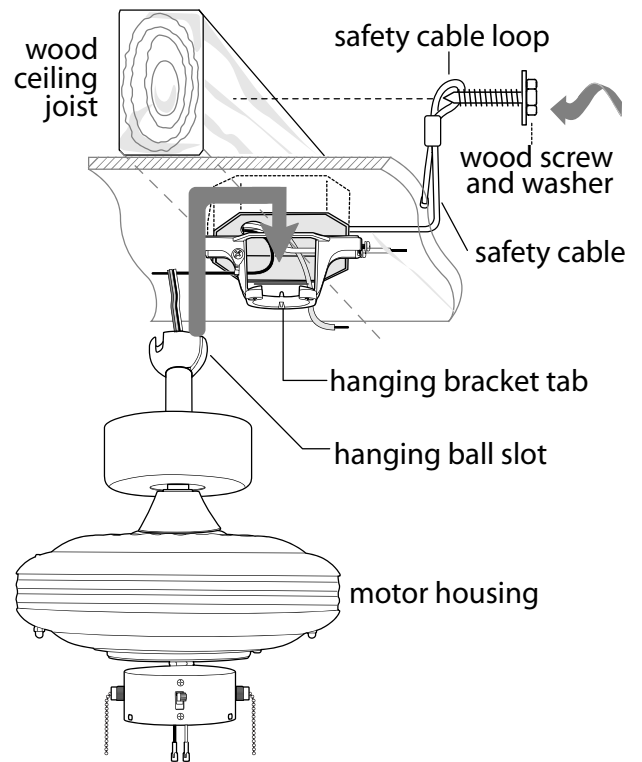*diagram 2*

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. 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.

WARNING: Failure to align slot in hanging ball with tab in hanging bracket may result in serious injury or death.

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.

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 cable with pliers. If the safety cable slips, the loop must be adjusted tighter.* Extra cable slack can be left in ceiling area.

wood ceiling joist

safety cable loop

wood screw and washer

safety cable

hanging bracket tab

hanging ball slot

motor housing

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 instructions below, please use a qualified electrician.
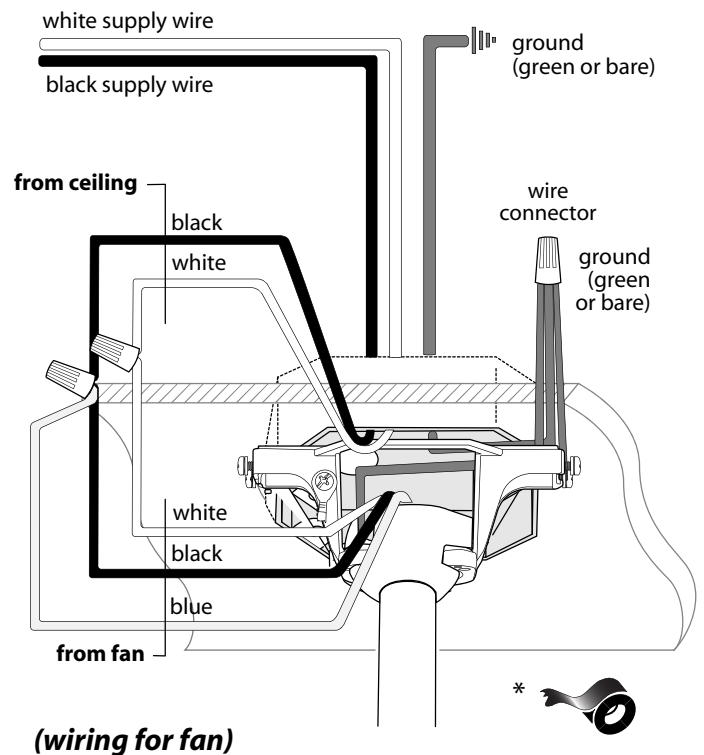
Note: *Excess lead wire length from the fan can be cut to the desired length and then stripped.*

When downrod is secured in place on the hanging bracket, electrical wiring can be made as follows:
Connect **BLACK** and **BLUE** wire from fan to **BLACK** wire from ceiling with wire connector provided.
Connect **WHITE** wire from fan to **WHITE** wire from ceiling with wire connector provided.
Connect all **GROUND** (**GREEN**) wires together from fan to **BARE**/**GREEN** wire from ceiling with wire connector provided.

If you intend to control the fan light with a separate light switch, connect **BLUE** wire from fan to the **BLACK** (or *RED*) supply from the independent switch.

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

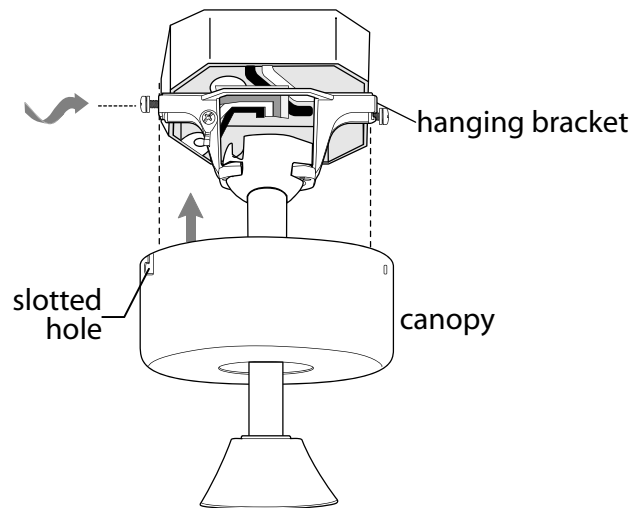*This fan is remote control adaptable (remote control sold separately).*

white supply wire

ground (green or bare)

black supply wire

from ceiling

black

white

wire connector

ground (green or bare)

white

black

blue

from fan

*

(wiring for fan)

7. 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/lock washers 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/lock washers and secure all screws with a Phillips screwdriver.
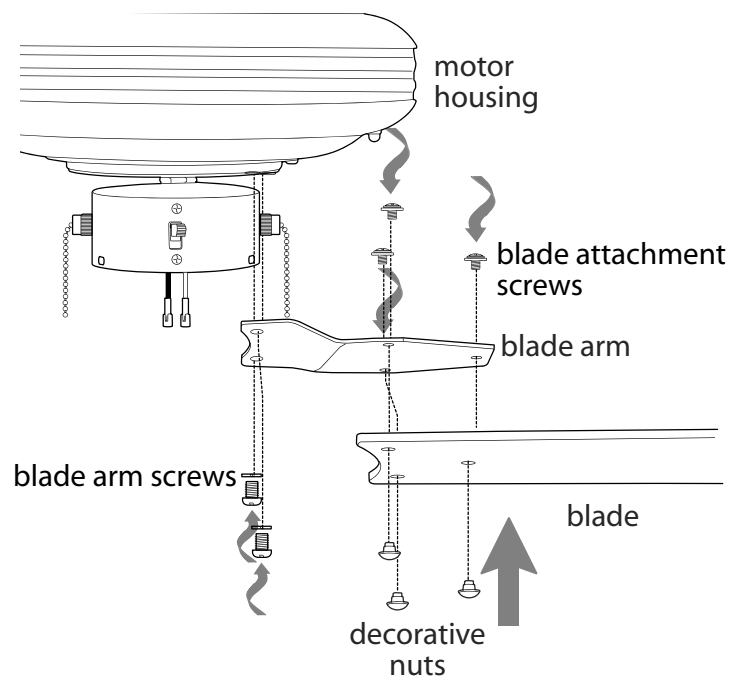
hanging bracket

slotted hole

canopy

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 15 blade attachment screws and 15 decorative nuts in one of the hardware packs. Place blade arm on *TOPSIDE* of blade, aligning holes in blade arm with holes in blade as shown. [*Be sure to note label on blade indicating* **THIS SIDE UP** *and turn blade so that label faces up*]. Insert 3 decoratvie nuts from *UNDERSIDE* of blade (*i.e., the side that will face the floor*), making sure to **completely insert** each decorative nut so that the blade arm can be attached correctly. Insert 3 blade attachment screws from *TOPSIDE* of blade with fingers first and then tighten screws securely with a Phillips screwdriver. Repeat procedure for remaining blades.

Remove blade arm screws and lock washers from fan motor and set aside. [**WARNING**: Do NOT remove the 4 screws located on the outer rim of the underside of the motor housing-- doing so or any attempt at doing so will void the warranty.] Align blade arm holes with motor screw holes and attach blade arm with lock washers and blade arm screws. Before securing screws permanently, repeat this procedure with remaining blade arms. Secure all screws.

NOTE: Tighten blade arm screws twice a year.

motor housing

blade attachment screws

blade arm

blade arm screws

blade

decorative nuts

9. Light Kit Assembly.

Remove 3 screws from switch housing cap at top of light kit fitter. Save screws for later use.

Remove 4 decorative nuts from posts at bottom of light kit fitter. Lift shade ring off of glass shade and carefully remove glass shade.

Locate **BLACK** (or **BLUE**) and **WHITE** wires in switch housing labeled LIGHT. Remove and discard plastic that holds these 2 wires together.

Connect **WHITE** wire from switch housing to **WHITE** wire from light kit fitter. Connect **BLACK** (or **BLUE**) wire from switch housing to **BLACK** wire from light kit fitter. Be sure that molex connections snap together completely.
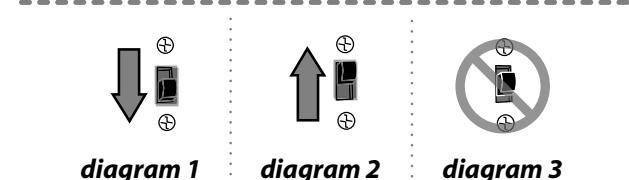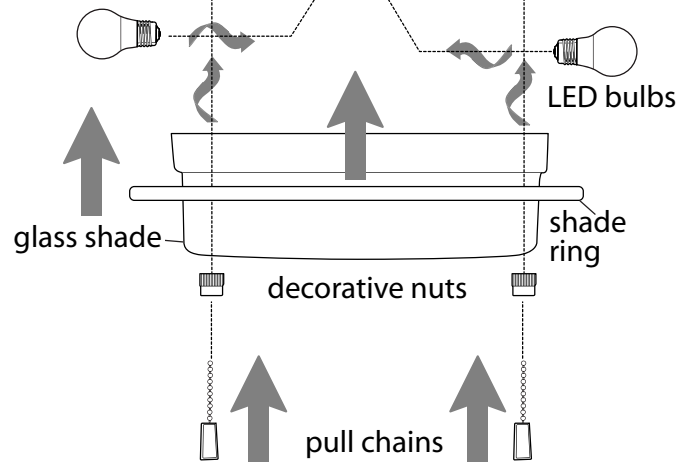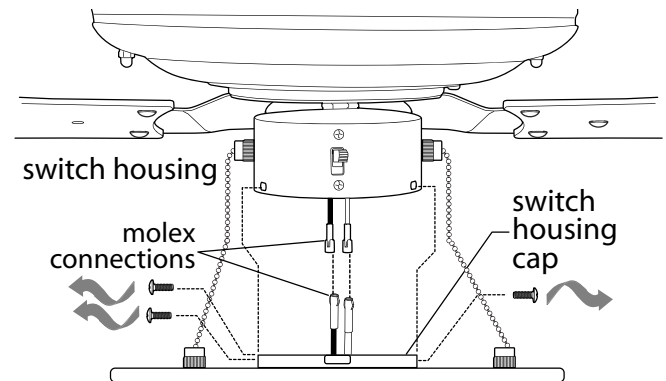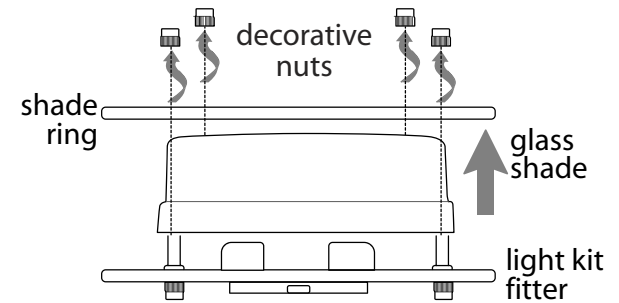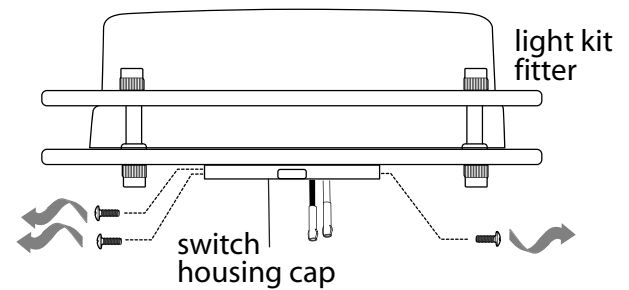
Align holes in switch housing cap with holes in switch housing. (**Note**: The gap on the edge of the switch housing cap must align with the reverse switch on the switch housing for the proper fit.) Attach light kit fitter with screws that were previously removed. Secure all 3 screws with a Phillips screwdriver.

Install 2 medium base 9-watt LED bulbs (included). **IMPORTANT**: When replacing bulbs, please allow bulbs and glass shade to cool down before touching.

Replace shade ring on glass shade. Carefully align holes in shade ring with posts on light kit fitter. Re-attach decorative nuts to posts to secure shade ring to light kit fitter.

Thread pull chains from switch housing through corresponding posts, one labeled FAN and one labeled LIGHT.

10. 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 pull chain labeled FAN. Start at the OFF position (no blade movement). First pull will set the fan to HI. Second pull will set the fan to MEDIUM. Third pull will set the fan to LOW. Fourth pull will re-set the fan to OFF setting. Test light with pull chain labeled LIGHT. 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 (located on the switch housing). Set reverse switch to recirculate air depending on the season:
- DOWN position in summer (***diagram 1***)
- UP 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 UP or completely DOWN for fan to function. If the reverse switch is set in the middle position (***diagram 3***), fan will not operate.

Attach pull chain extensions supplied or custom pull chain extensions (sold separately) to the ends of the pull chains.

light kit fitter

switch housing cap

decorative nuts

shade ring

glass shade

light kit fitter

switch housing

molex connections

switch housing cap

LED bulbs

glass shade

shade ring

decorative nuts

pull chains

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 that fan is wired properly.

Problem: Light kit not lighting.
Solutions:
1. Check wall switch to fan.
2. Check that bulbs are installed correctly.
3. Check that wires in canopy are wired properly.
4. Verifty that molex connections in switch housing are connected properly.

Problem: Fan operates but light fails.
Solutions:
1. Check that bulbs are installed correctly.
2. Check to be sure wires in canopy are wired properly.
3. Verify that molex connections in switch housing are connected properly.
4. Replace defective bulbs with same type of bulb.

Problem: Fan wobbles.
Solutions:
1. Use the balancing kit in one of the hardware packs. If no blade balancing kit is provided, please call Customer Support, at 1-800-486-4892, to request one.
2. Check to be 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.

Parts Replacement.

For parts and information, please refer to "Parts Inventory" on page 2.
Craftmade Customer Support:
1-800-486-4892
www.craftmade.com

Warranty.

CRAFTMADE™ LIFETIME LIMITED WARRANTY:
CRAFTMADE warrants this fan to the original household purchaser for indoor use under the following provisions:
1-YEAR WARRANTY: CRAFTMADE will replace or repair any fan which has faulty performance due to a defect in material or workmanship. Contact Craftmade Customer Service at **1-800-486-4892** to arrange for return of fan. Return fan, shipping prepaid, to Craftmade. We will repair or ship you a replacement fan, and we will pay the return shipping cost.
5-YEAR WARRANTY: CRAFTMADE 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 Craftmade Industries. We will repair or ship purchaser a replacement motor and Craftmade will pay the return shipping cost.
6-YEAR to LIFETIME LIMITED WARRANTY: CRAFTMADE will repair the fan, at no charge for labor only to the original purchaser, 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 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.

CRAFTMADE™