

Katana

Installation Guide

For Model:
KAT72

WARNING:
DC Motor will not
operate until blades
are installed

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Intertek
4009218

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 70-1999. 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 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 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.

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 CETL or CUL in Canada or ETL or UL in USA listed and marked suitable for use with the model fan you are installing. Switches must be CETL or CUL in Canada or ETL or UL in USA 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.]

8. Do not operate the reverse switch until fan has come to a complete stop. [**Note:** If using remote control with reverse capability, reverse fan blade direction only when on LOW speed.]
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.**

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.

CAUTION: 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. Do NOT use light buttons on remote or wall control if installing metal cover.

CAUTION: 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.

11. Light kit is dimmable to 10% with the remote/wall control included.

CAUTION: 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.

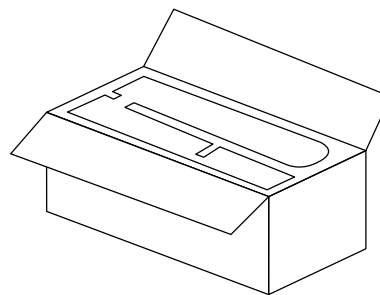
Distributed by: Craftmade, 3901 South 20th Avenue, DFW Airport, TX, 75261; 1-800-486-4892

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 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. hanging bracket (pre-attached to canopy). 1 piece

b. canopy. 1 piece

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

d. motor housing. 1 piece

e. yoke cover. 1 piece

f. blade arm. 9 pieces

g. blade plate. 9 pieces

h. wall control. 1 piece

i. remote control transmitter. 1 piece

j. plate. 1 piece

k. faceplate. 3 pieces

l. long blade. 3 pieces

m. medium blade. 3 pieces

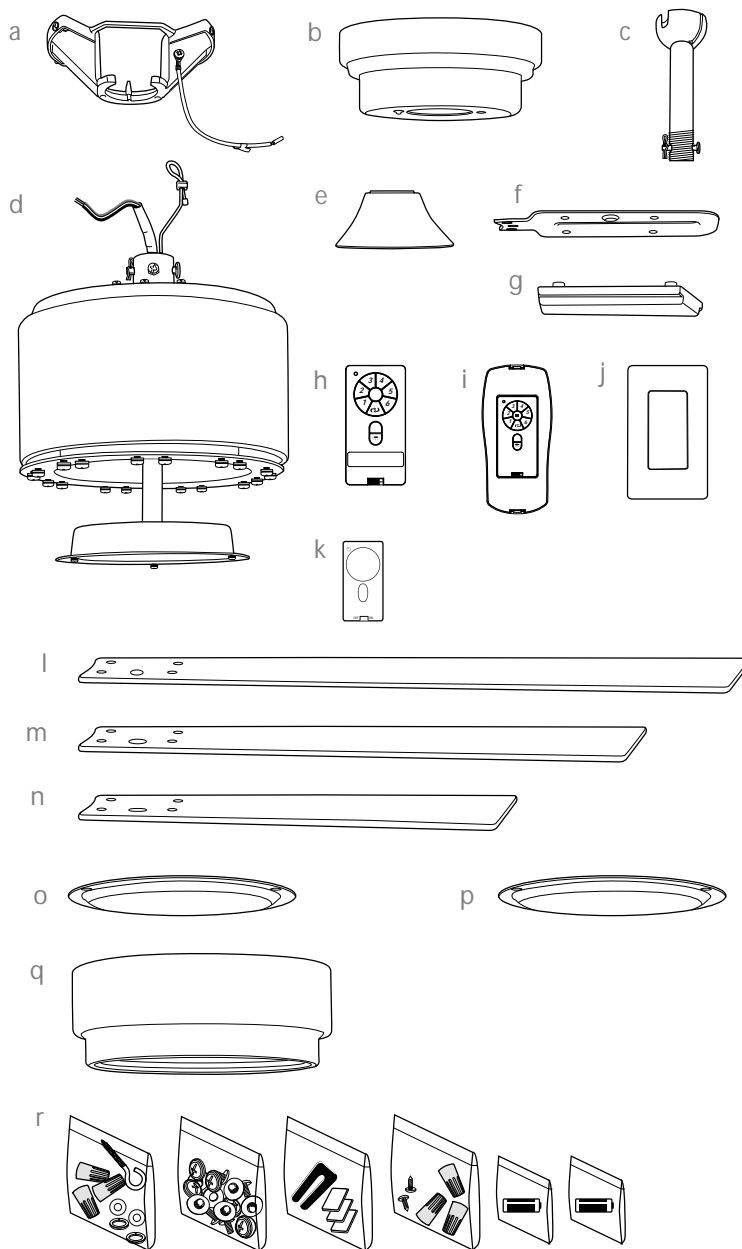
n. short blade. 3 pieces

o. shade. 1 piece

p. metal cover. 1 piece

q. shade fitter. 1 piece

r. hardware packs



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

3. Installation Preparation.

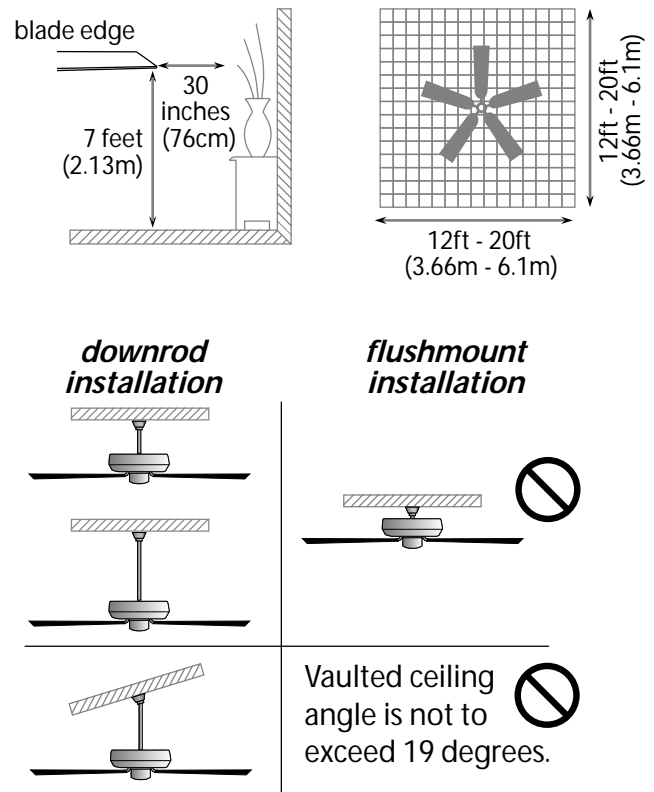
To prevent personal injury and damage, ensure that the hanging location allows the blades a clearance of 7 feet (2.13m) from the floor and 30in. (76cm) from any wall or obstruction.

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

Installation requires these tools:

Phillips screwdriver, flathead 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.

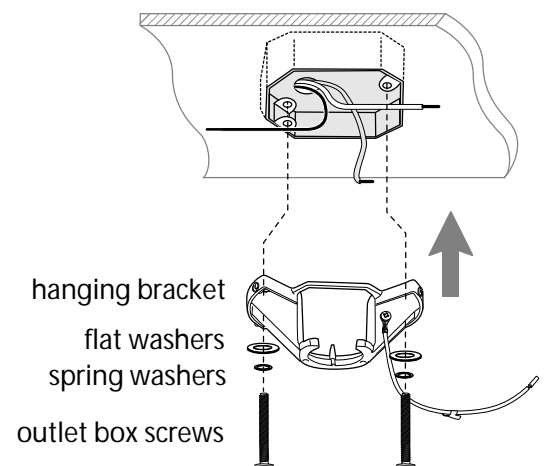
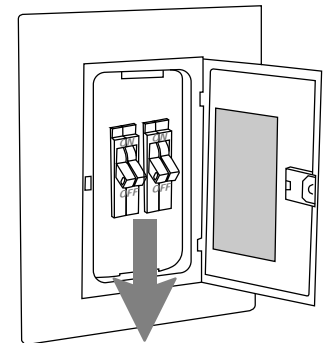
WARNING: When using an existing outlet box, be sure the outlet box is securely attached to the building structure and can support the full weight of the fan. Ensure outlet box is clearly marked "Suitable for Fan Support." If not, it must be replaced with an approved outlet box. Failure to do so can result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

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

Partially loosen screws in slotted holes on opposite sides of canopy. Remove the other 2 screws--**save for later use**. Twist canopy to remove hanging bracket from canopy.

Install hanging bracket to outlet box, using original screws, spring washers and flat washers provided with new or original outlet box.* 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 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 downrod. [Refer to **diagram 1**.]

Remove vice from safety cable by loosening the screw and nut on the vice. Loosen yoke set screws and nuts 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 nuts securely. [Refer to **diagram 2**.]

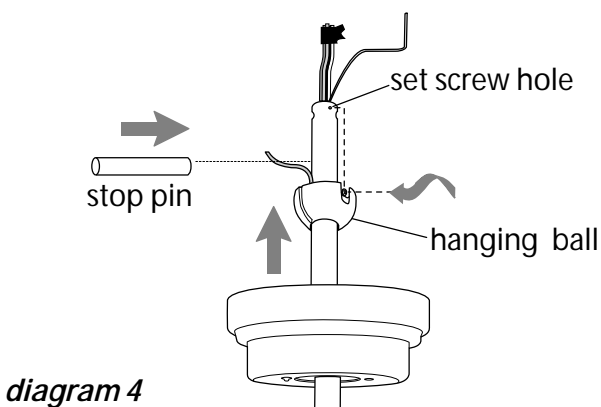
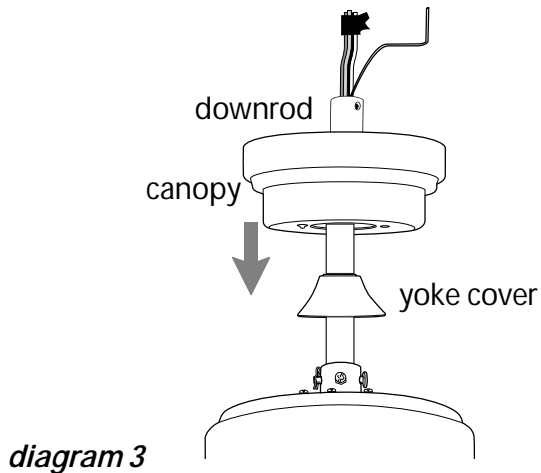
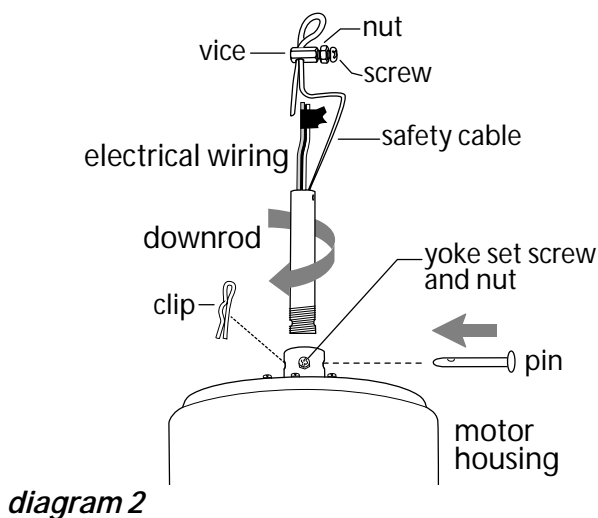
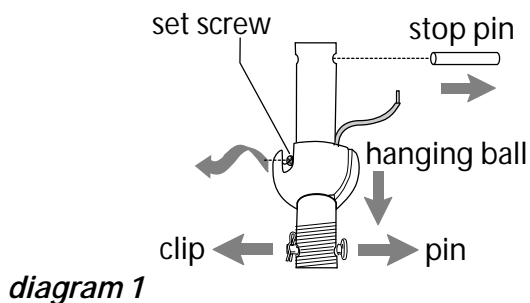
Slide yoke cover and canopy over downrod. [Refer to **diagram 3**.]

Thread safety cable and wires through hanging ball and 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.



5. Fan Assembly. (cont.)

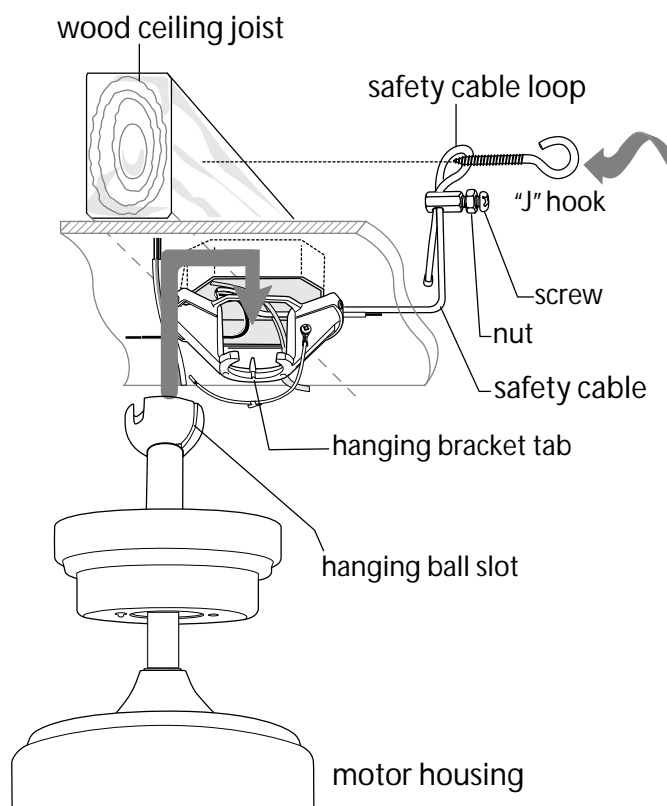
With the hanging bracket secured to the outlet box and able to support the fan, you are now ready to hang your fan. Grab the fan firmly with two hands. Slide downrod through opening in hanging bracket and let hanging ball rest on the hanging bracket. Turn the hanging ball slot until it lines up with 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 help 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 the "J" hook (included) with the safety cable loop.

Replace vice on safety cable and adjust safety cable length by pulling on the cable. Adjust slack in cable to a hands length and secure vice by tightening screw and nut securely. The loop at the end of the safety cable should just fit over the "J" hook. [Refer to drawing at right.] Test safety cable by pulling on loose end of the cable with pliers. If the safety cable slips, the screw and nut on the vice must be set tighter. 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.

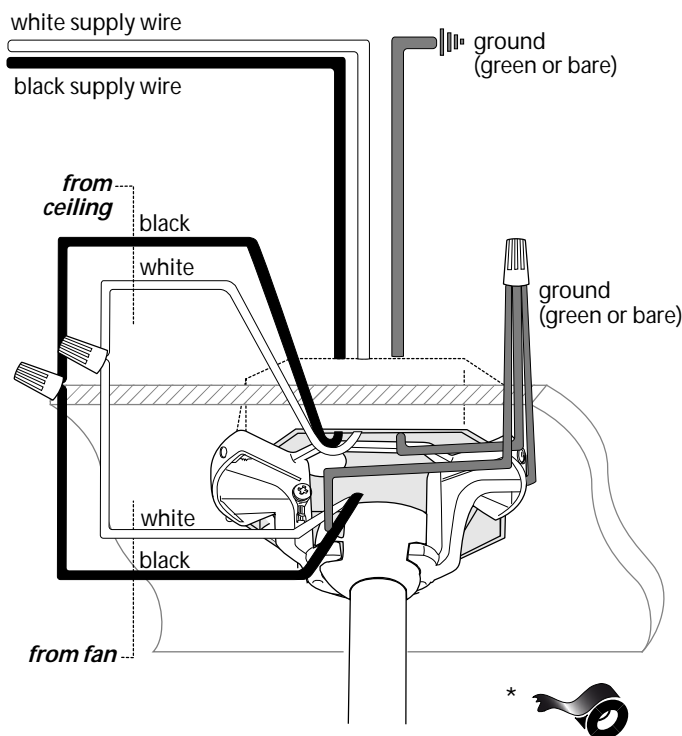
CAUTION: Be sure outlet box is properly grounded and that a ground (GREEN or Bare) wire is present.

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, 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** 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.

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



6. Wiring. (cont.)

[**PLEASE NOTE:** Wall and/or handheld remote control must be used for fan to operate. *If you do not wish to use the wall control, please proceed to Section 7 below to continue with fan installation.*]

IN ORDER TO WIRE WALL CONTROL, remove existing wall switch. Wire one of the wall controls with wire connectors provided *as shown in diagram at right.*

WARNING: CONNECT WIRES IN THE FOLLOWING ORDER ONLY!

Connect **GREEN/YELLOW** ground wire to ground from house or directly to one of the screws from the outlet box. Connect one **BLACK** wire from wall control to **BLACK** (hot) lead wire from house. Connect second **BLACK** wire from wall control to **BLACK** load wire to fan.

*Wrap each wire connector separately with electrical tape as an extra safety measure. Gently push wires and taped wire connectors into outlet box.

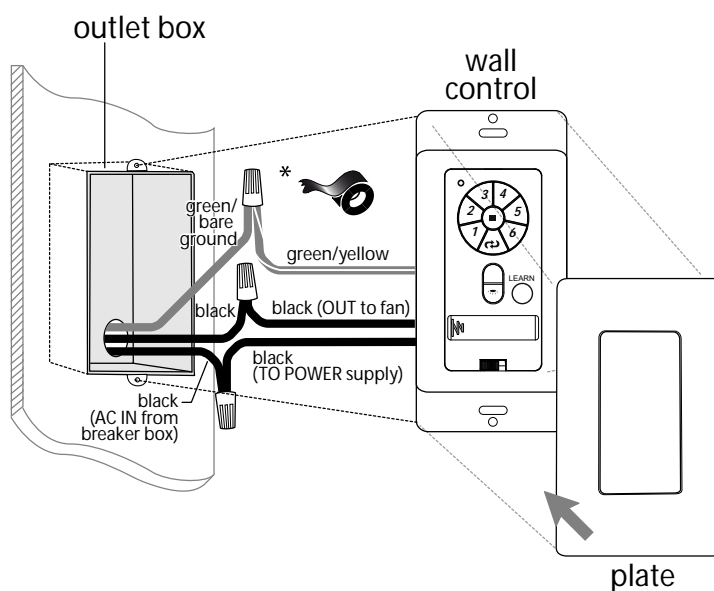
Attach wall control to outlet box and secure with screws from original wall switch. Attach plate (included) to wall control using 2 screws provided with the wall control.

Modifications not approved by the party responsible for compliance could void the user's authority to operate the equipment.

*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.

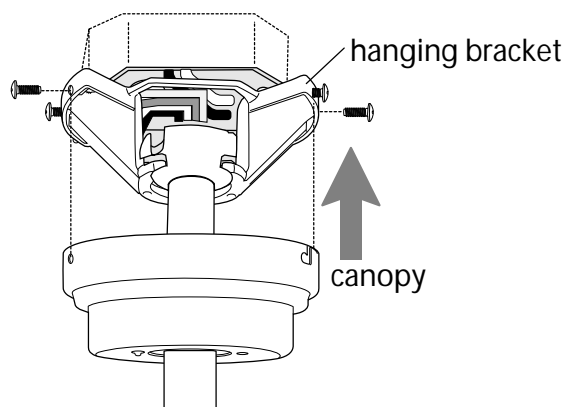
Consult the dealer or an experienced radio/TV technician for help.



(wiring for wall control)

7. Canopy Assembly.

Raise canopy to hanging bracket and align slotted holes in canopy with loosened screws in hanging bracket. Twist canopy to lock. Re-insert screws that were previously removed (on page 4, Section 4) and secure all screws with a Phillips screwdriver.



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.

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

Separate blade arms according to the shape between the 2 screw holes on one side--3 have circles, 3 have ellipses and 3 have long groove shapes. This shape will correspond with the shape on the different lengths of blades: the long blades have circles, the medium blades have ellipses and the short blades have the long, groove shape.

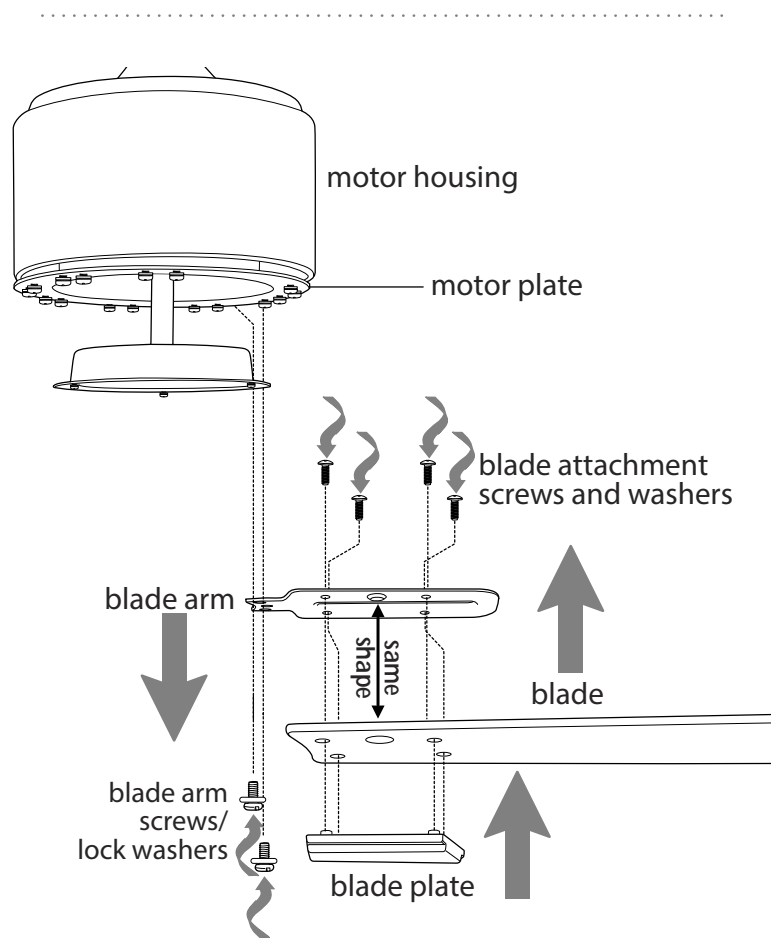
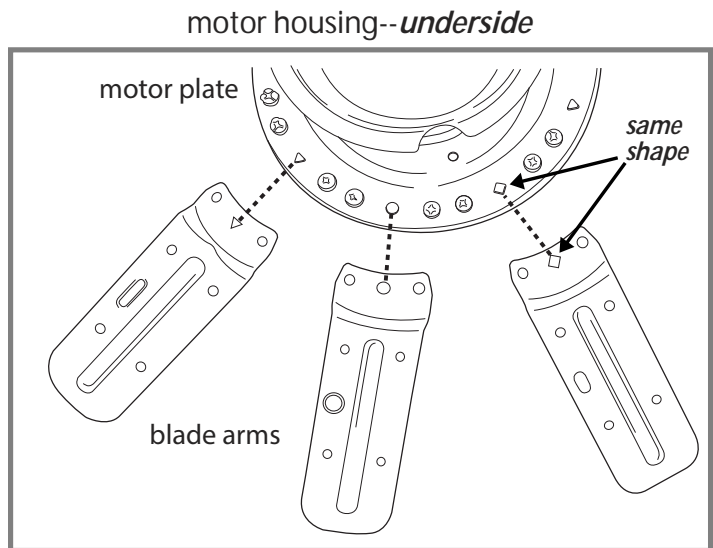
Locate 36 blade attachment screws and washers in one of the hardware packs. Hold blade plate up to one of the blades, aligning holes in blade plate with holes in blade **as shown**. Locate shape on blade arm and align **with the same shape** on blade. Then, lower blade arm over blade holes **as shown in diagram at right**. Partially insert 4 blade attachment screws (along with washers). Securely tighten screws with a Phillips screwdriver only after all 4 screws have been inserted. Repeat procedure for each blade (3 long, 3 medium and 3 short).

Remove blade arm screws/lock washers from motor plate on underside of fan motor and set aside. **PLEASE NOTE** the different shapes--**circles, diamonds and triangles**--in between each set of motor screw holes. These shapes correspond to the shapes between the screw holes at the end of each blade arm and are there to ensure blades are installed in the correct order.

WARNING: To reduce the risk of fire, electrical shock, personal injury or damage to the fan, it is EXTREMELY IMPORTANT that blades are installed in the order indicated on the motor plate.

Align blade arm holes and specific shape (circle, diamond or triangle) with motor screw holes and specific shape (circle, diamond or triangle) on motor plate and attach blade arm with blade arm screws/lock washers. Before securing screws permanently, repeat this procedure with remaining blade arms. Securely tighten all screws.

NOTE: Tighten blade arm screws twice a year.



9. Light Kit Assembly (Optional).

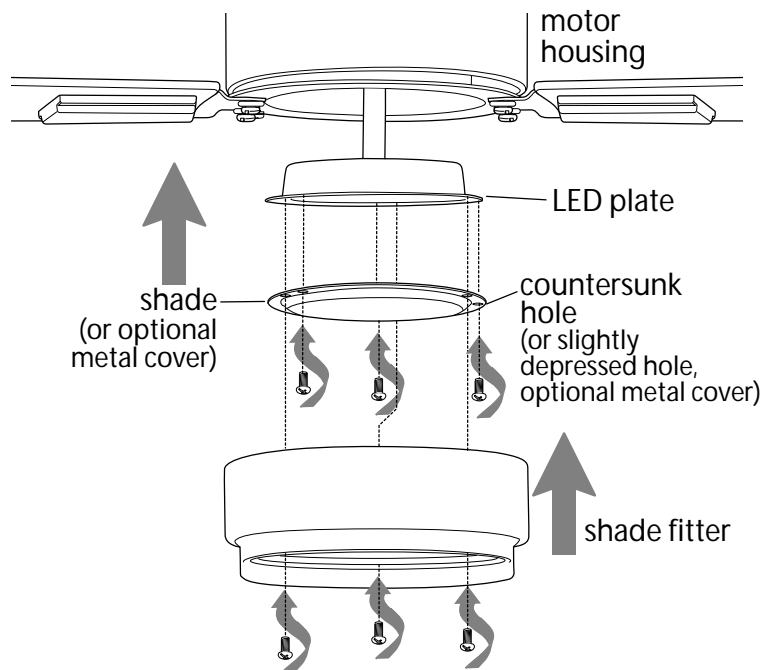
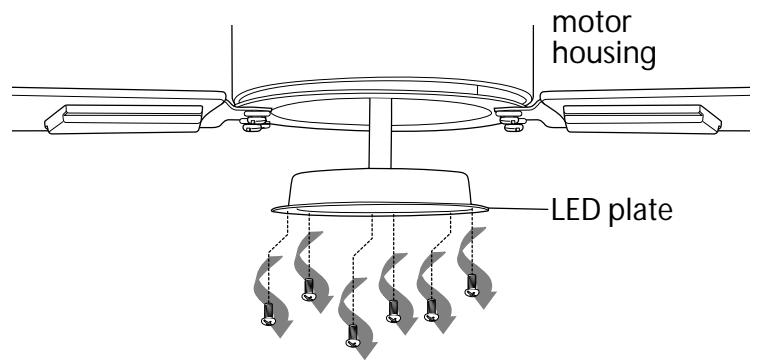
Remove 6 screws from LED plate (on underside of motor housing).

If you wish to use the fan WITH the light, align 6 holes in shade with 6 holes in LED plate. Insert 3 of the screws that were just removed to secure shade to LED plate. [**IMPORTANT:** Use *countersunk holes* in shade to allow shade fitter to fit snugly later.] Tighten screws completely but **do NOT overtighten screws as shade may crack or break.**

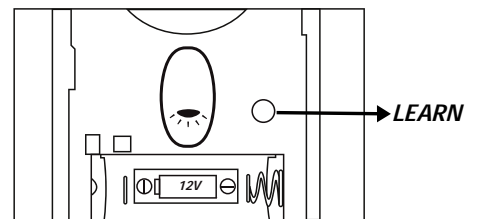
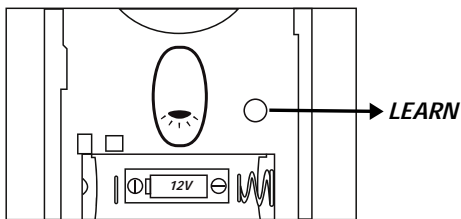
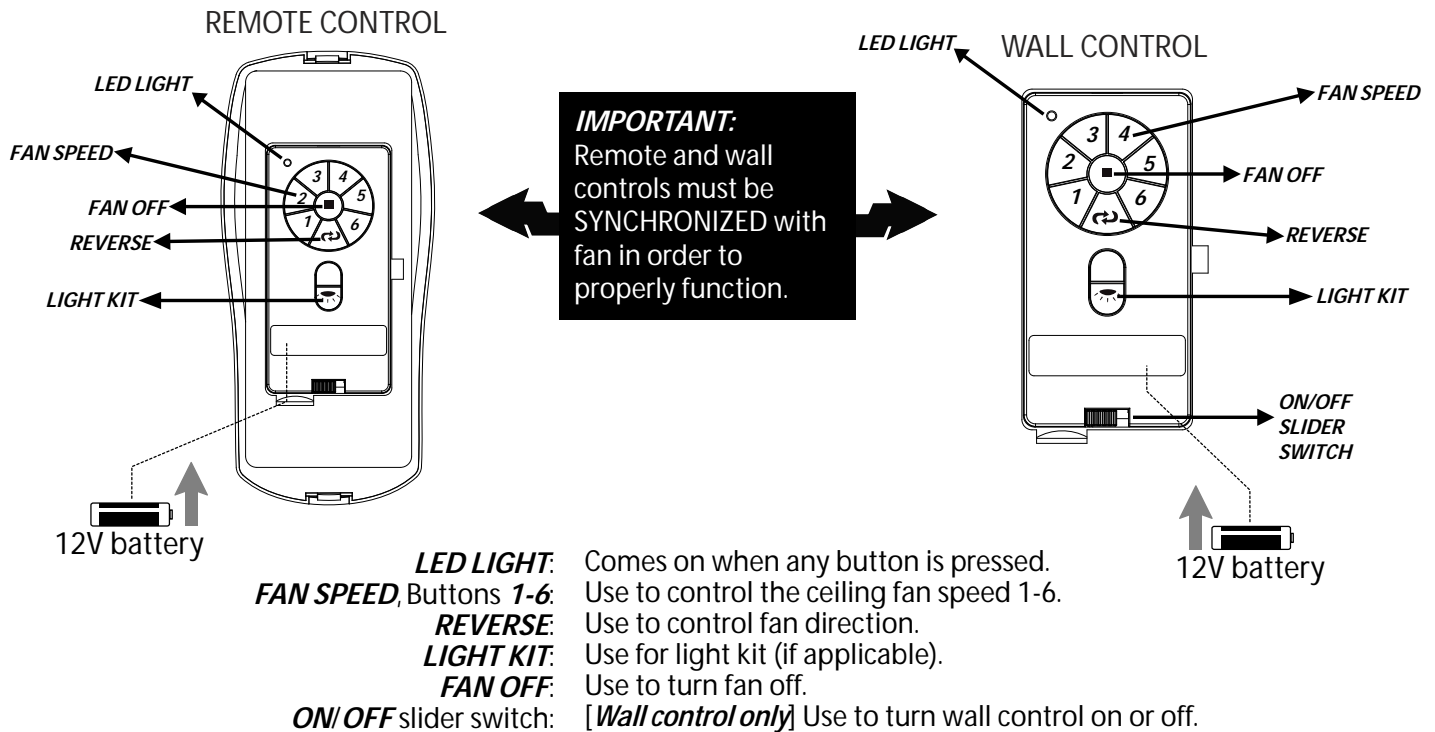
Align holes in shade fitter with holes in shade. Re-insert the other 3 screws that were previously removed and tighten all 3 screws securely. **Do NOT overtighten screws as shade may crack or break.**

If you wish to use the fan WITHOUT the light, align 6 holes in metal cover with 6 holes in LED plate. Insert 3 of the screws that were just removed and secure metal cover to LED plate. [**IMPORTANT:** Use holes in metal cover that are slightly depressed to allow shade fitter to fit snugly.] Tighten screws completely. Align holes in shade fitter with holes in metal cover. Re-insert the other 3 screws that were previously removed and tighten all 3 screws securely.

WARNING: Metal cover will be HOT if light button on remote/wall control is used. To reduce the risk of personal injury, do NOT use light buttons on remote or wall control if installing metal cover.



10. Automated Learning Process./Activating Code.



Using 12-volt batteries (provided), install one battery in transmitter and one in wall control (if applicable).

WARNING: Batteries are to be inserted with the correct polarity.

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

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

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 Hazard - Small parts. Keep batteries away from children.

WARNING: Batteries are NOT rechargeable. Non-rechargeable batteries are not to be recharged.



LEARN button:


Turn fan power on. Within 30 seconds of powering fan, press and hold **LEARN** button on remote control and/or wall control for 5 seconds (or until fan beeps twice) in order to synchronize remote(s) with fan motor.

Select faceplate(s) for remote control and/or wall control and press firmly onto front of remote control/wall control.

IMPORTANT: The Automated Learning Process takes 5 minutes to complete. Please leave the fan "on" for the duration of the 5-minute programming and do NOT use the remote control during this time.

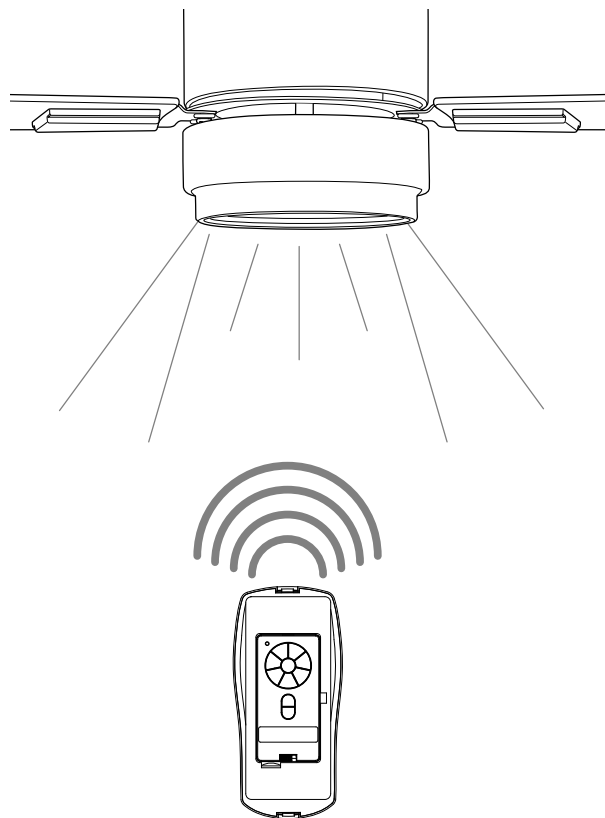
11. Testing Your Fan.

It is recommended that you test fan before finalizing installation. Locate handheld remote control. Test fan speeds with the different fan speed buttons (1 - 6) on handheld remote control. Test the light ON/OFF function with the  button and then test the dimmer function by pressing the  button and holding it down for up to 5 seconds. Test wall control (optional installation) by locating ON/OFF slider switch on wall control, then set to the ON position. Test fan speeds and light as was done for handheld remote control. If the wall/remote control operate(s) the functions of the fan and light, battery (batteries) has (have) been installed correctly. If the wall and/or remote control do (does) not operate the fan/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 the wall/remote control interferes with other appliances, change code switches on the wall/remote control to another code. If you do change the code, **turn power off first**. After setting the new code on the wall/remote control, go back to the instructions for the LEARN button in Section 10 on previous page.

IMPORTANT: Remote control (and wall control, if applicable) must be synchronized with fan in order to properly function.



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 power to wall switch/wall control.
2. Verify that wall control (optional use) is wired properly.
3. Check to be sure code switches in remote control transmitter (and wall control, if applicable) are set properly.
4. Check to be sure fan is wired properly.
5. Learning process between fan, remote control and, if applicable, wall control may not have been successful and code was not activated. Turn off power and repeat instructions for code switches and LEARN button in Section 10 (page 10).
6. Check that red light on handheld 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/wall control.
2. Check that wires in canopy are wired properly.
3. Check to be sure code switches in remote control transmitter (and wall control, if applicable) are set properly.
4. Learning process between fan, remote control and, if applicable, wall control may not have been successful and code was not activated. Turn off power and repeat instructions for code switches and LEARN button in Section 10 (page 10).

Problem: Fan operates but light fails.

Solutions:

1. Check to be sure wires in canopy are wired properly.

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

Solutions:

1. Check battery power to handheld remote control and/or wall control.
2. Learning process between fan, remote control and, if applicable, wall control may not have been successful and code was not activated. Turn off power and repeat instructions for code switches and LEARN button in Section 10 (page 10).

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, 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.

Warranty.

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

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