



Congratulations on your purchase of a **Minka-Aire™** ceiling fan! Your new fan will be a beautiful addition to your home, and will keep you comfortable throughout the year. **Minka-Aire™** offers a variety of ceiling fans: combinations of wood and brass finish, solid designer colors, and unique glass and crystal designs. A large selection of light fixtures and light kits are also available. Ask your dealer about accessories that will allow you to customize your fan.

We're certain that your **Minka-Aire™** fan will provide you with many years of comfort, energy savings and satisfaction. To ensure your personal safety and to maximize the performance of your fan, please read this manual thoroughly.

## LIMITED 30 YEAR WARRANTY

**Minka-Aire™** warrants this fan to be free from defects in material and workmanship for one year from the date of purchase, except for the motor. **Minka-Aire™** warrants to the original owner that the motor in this fan shall be free from defects in material and workmanship for 30 years from the date of purchase. **Minka-Aire™** only obligation under this limited warranty is to replace, repair or refund the purchase price for any fan confirmed by **Minka-Aire™** to be defective in material or workmanship after such fan is returned to **Minka-Aire™** by the original purchaser along with a proof of purchase and with shipping charges prepaid. This warranty shall not apply to fans which have been damaged as a result of improper installation, removed from the original installation or subjected to use for which the fan was not designed. The customer shall be responsible for any cost of removing the old fan, installing a new fan or any other costs.

This limited 30 year warranty is in lieu of all other expressed warranties. **Minka-Aire™** shall under no circumstances be liable for any incidental or consequential damages.

Date Purchase \_\_\_\_\_

Store Purchase \_\_\_\_\_

Model Number           F580          

Serial Number \_\_\_\_\_

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# 1. SAFETY RULES

1. Before you begin installing the fan, **shut the power off** at the circuit breaker or the fuse box.

2. Be cautious! Read all instructions and safety information before installing your new fan. Review accompanying assembly diagrams.

3. Make sure that all electrical connections comply with local codes, ordinances, or National Electrical Codes. Hire a qualified electrician or consult a do-it-yourself wiring handbook if you are unfamiliar with installing electrical wiring.

4. Make sure the installation site you choose allows the fan blades to rotate without any obstructions. Allow a minimum clearance of 7 feet from the floor and the floor to the lowest edge of the blades 18 inches from the tip of the blade to the wall.

5. If you are mounting the fan to a ceiling outlet box, use U.L. Listed metal octagonal outlet box marked "Acceptable for fan support". Secure the box directly to the building structure. The outlet box and its support must be able to support the moving weight of the fan (at least 50 lbs.) Do not use a plastic outlet box.

6. Caution: To reduce the risk of personal injury use only the screws provided with the outlet box.

7. If you are mounting the fan to a joist, make sure it is able to support the moving weight of the fan (at least 50 lbs.).

8. After you install the fan, make sure that all mountings are secured to prevent the fan from falling.

9. Do not insert anything into the fan blades while the fan is operating.

10. Turn the fan off and wait for it to stop completely before you attempt to perform any maintenance or cleaning.

**NOTE:** The important safeguards and instructions appearing in this manual are not meant to cover all possible conditions and situations that may occur. It must be understood that common sense, caution and care are factors which can not be built into this product. These factors must be supplied by the person(s) installing, caring for and operating the unit.

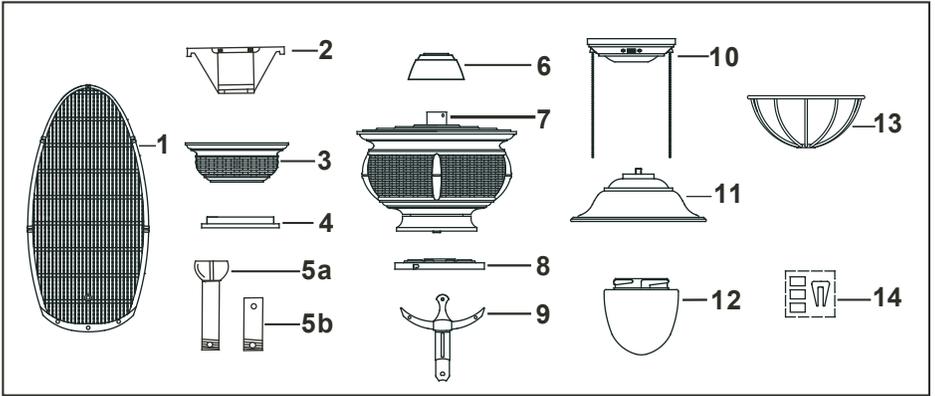
## WARNING

**TO REDUCE THE RISK OF FIRE, ELECTRIC SHOCK, OR OTHER PERSONAL INJURY, MOUNT FAN ONLY TO A U.L. LISTED OUTLET BOX OR SUPPORTING SYSTEM MARKED ACCEPTABLE FOR FAN SUPPORT AND USE MOUNTING SCREWS PROVIDED WITH THE OUTLET BOX IN CONJUNCTION WITH THE LOCKWASHERS PROVIDED WITH THE FAN, MOST OUTLET BOXES COMMONLY USED FOR THE SUPPORT OF LIGHTING FIXTURES ARE NOT ACCEPTABLE FOR FAN SUPPORT AND NEED TO BE REPLACED. CONSULT A QUALIFIED ELECTRICIAN IF IN DOUBT.**

**TO REDUCE THE RISK OF PERSONAL INJURY, DO NOT BEND THE BLADE HOLDERS WHILE INSTALLING, BALANCING THE BLADES, OR CLEANING THE FAN. DO NOT INSERT FOREIGN OBJECTS BETWEEN ROTATING FAN BLADES.**

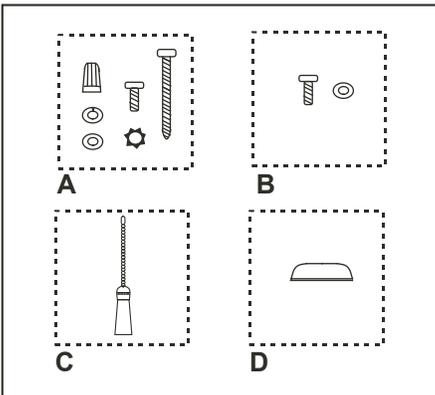
**TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT USE THIS FAN WITH ANY SOLID-STATE SPEED CONTROL DEVICE**

# PACKAGE CONTENTS 2.



Unpack your fan and check the contents. You should have the following items:

1. Fan blades (5)
2. Hanger bracket
3. Canopy
4. Canopy cover
- 5a. Standard downrod assembly
- 5b. Minimum-length downrod (for close to ceiling mounting only)
6. Coupling cover
7. Fan motor/housing assembly
8. Switch cup plate
9. Blade holders (5)
10. Switch housing
11. Light kit
12. Glass shade
13. Glass frame
14. Balancing kit



## A. Mounting Hardware:

- #10 X 1.5" Wood Screws (2 PCs.)
- #8-32 X 3/4" Machine screws (2PCs.)
- Lock washers (2 PCs.)
- 4mm Star washers (2 PCs.)
- Wire nuts (3 PCs.)
- Washers (2PCs.)

## B. Blade Attachment Hardware:

- 3/16" x 7 mm Screws (21PCs.)
- Rubber Washers (21PCs.)

## C. Switch Cup Hardware

- Pull chain fob (2PCs.)

## D. Downrod Rubber Cover

# 3. INSTALLING THE FAN

Tools Required: Phillips screw driver; slotted screw driver; step-ladder; wire cutters; electrical tape.

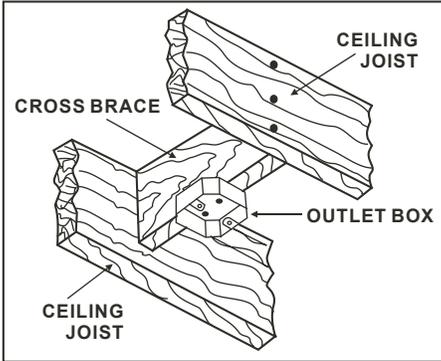


FIG. 1

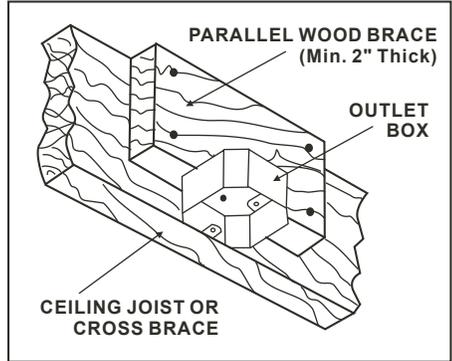


FIG. 2

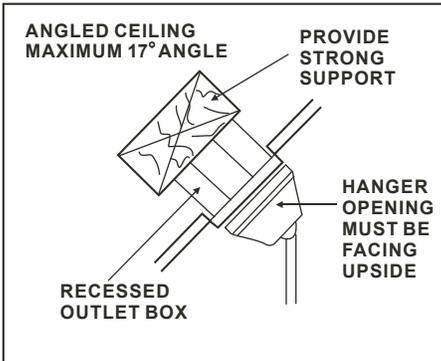


FIG. 3

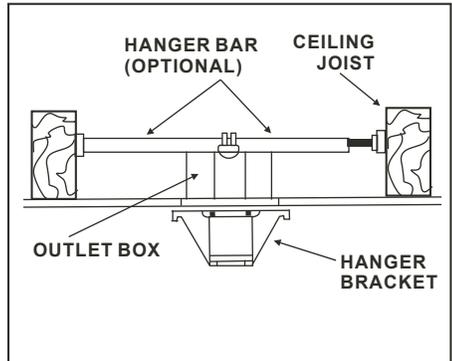


FIG. 4

## MOUNTING OPTIONS

If there isn't an existing mounting box, then read the following instructions.

**Disconnect the power by removing fuses or turning off circuit breakers.**

Secure the outlet box directly to the building structure. Use appropriate fasteners and building materials. The outlet box and its support must be able to fully support the moving weight of the fan (at least 50 lbs.). **Use a UL Listed metal outlet box. Do not use a plastic outlet box.**

Figure 1, 2 and 3 are examples of different ways to mount the outlet box.

**Note:** You may need a longer downrod to maintain proper blade clearance when installing on a steep, sloped ceiling. Longer downrods are available from your **Minka-Aire™** dealer.

To hang your fan where there is an existing fixture but no ceiling joist, you may need to install a hanger bar as shown in Fig. 4 (available at your **Minka-Aire™** dealer).

# HANGING THE FAN 4.

**REMEMBER to turn off the power. Follow the steps below to hang your fan properly:**

**Step 1.** Secure the hanger bracket to the ceiling outlet box using screws included with your outlet box, lock washers included with the fan. (Fig.5)

**Step 2.** Loosen the two set screws and remove the hitch pin and lock pin in the top coupling of the motor assembly. (Fig.6)

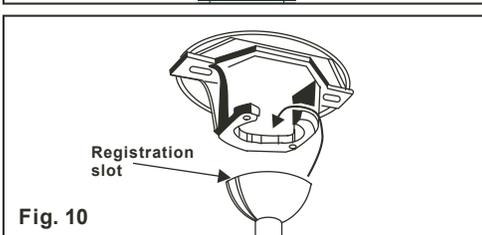
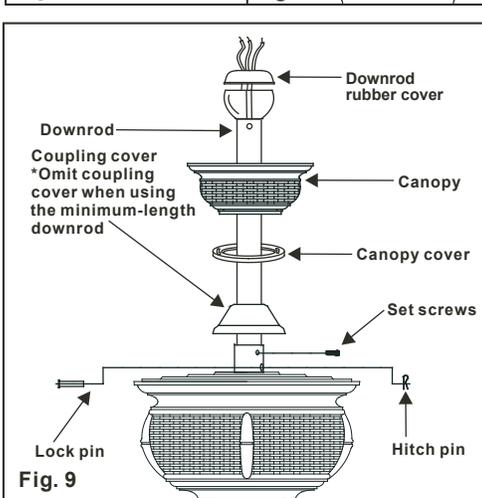
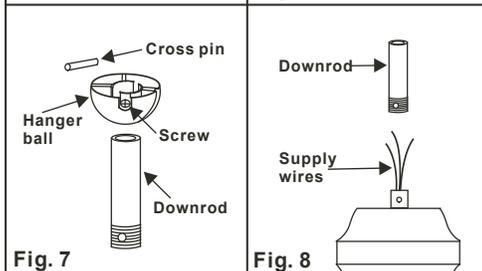
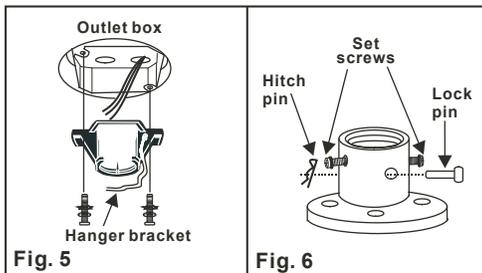
**Step 3.** Remove hanger ball from downrod assembly by loosening set screw, removing the cross pin, and sliding ball off rod. (Fig.7)

**Step 4.** Carefully feed fan wires up through the downrod. (Fig. 8) Thread the rod into the coupling, next line up holes and replace lock pin and hitch pin. Tighten set screws. (Fig.9)

**Step 5.** Slip coupling cover, canopy cover and canopy onto downrod. (Fig. 9) Carefully reinstall hanger ball onto rod being sure that cross pin is in correct position, set screws are tighten and wires are not twisted.

**Step 6.** Place downrod rubber cover onto the hanger ball, then re-install the hanger ball onto the downrod making sure the crosspin is in correct position, set screw is tight and wires are not twisted. (Fig. 9)

**Step 7.** Now lift motor assembly into position and place hanger ball into hanger bracket. Rotate until the check groove has dropped into the registration slot and seats firmly. (Fig. 10) Rod should not rotate if this is done correctly.



# 5. ELECTRICAL CONNECTIONS

**REMEMBER** to shut the power off at the circuit breaker or fuse box.

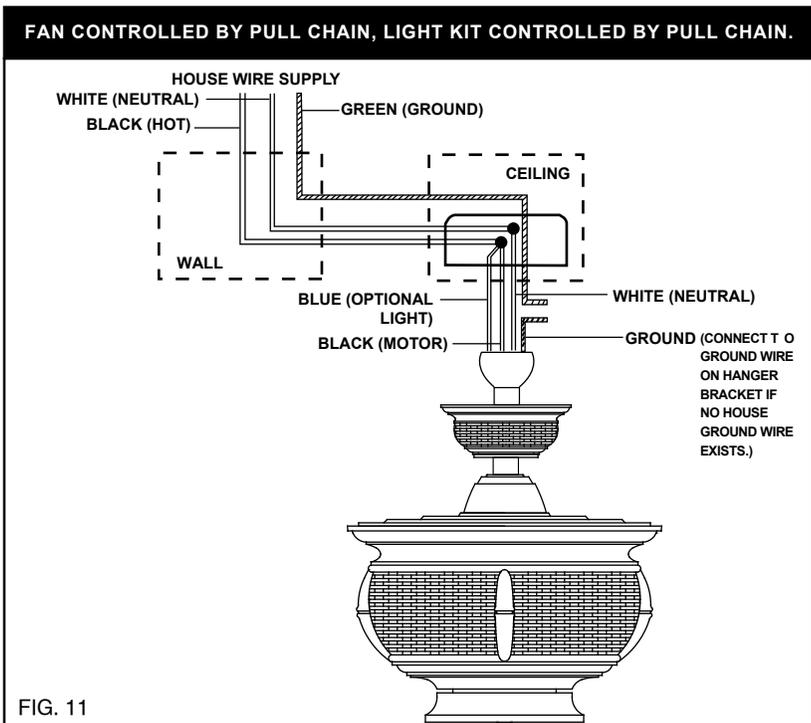
Follow the steps below to connect the fan to your house supply wires. Use the wire nuts supplied with your fan. Secure the wire nuts by wrapping the connection with electrical tape.

**Step 1.** Connect the black (hot) wire from the ceiling to the black and the blue wires from the fan. Connect the white (Neutral) wire from the ceiling to the white wire from the fan. (Fig 11)

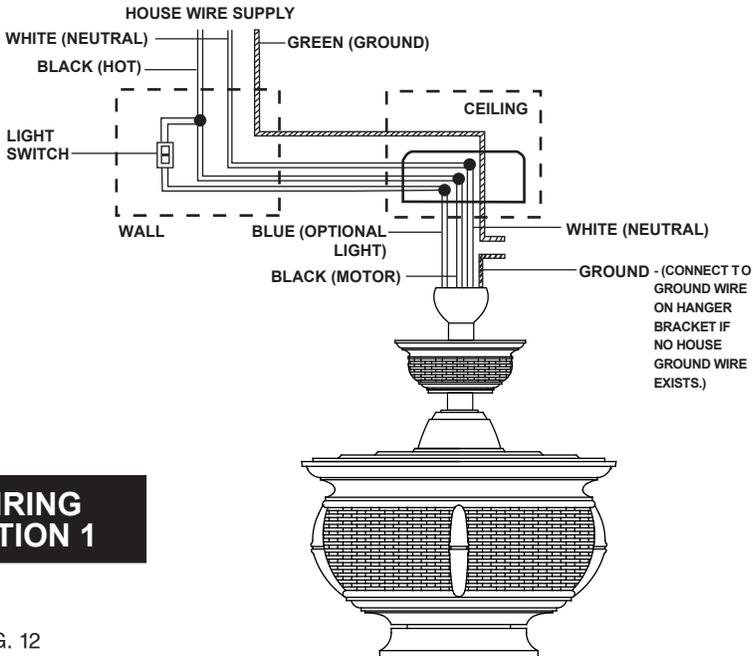
**Step 2.** If your outlet has a ground wire (Green or Bare Copper) connect the fan ground wires (on hanger ball and hanger bracket) to it; otherwise connect the fan ground wire on hanger ball directly to the hanger bracket (Fig. 11)

**Step 3.** Figure 12 & 13 Illustrate the wiring connections using optional wall unit. (Available at your **Minka-Aire™** Retailer.)

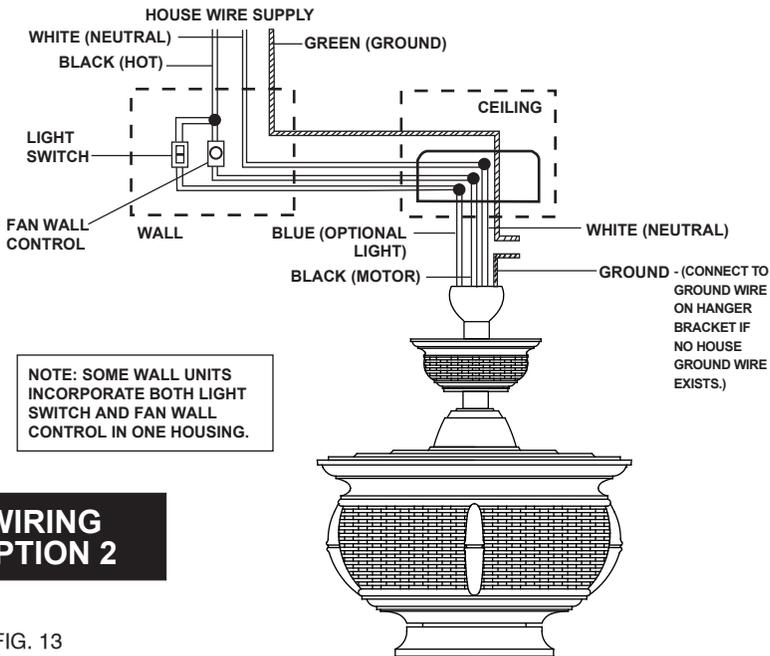
**NOTE:** If a light kit is not included with your fan, one can be purchased at your **Minka-Aire™** Retailer



**FAN CONTROLLED BY PULL CHAIN, LIGHT KIT CONTROLLED BY WALL SWITCH.**



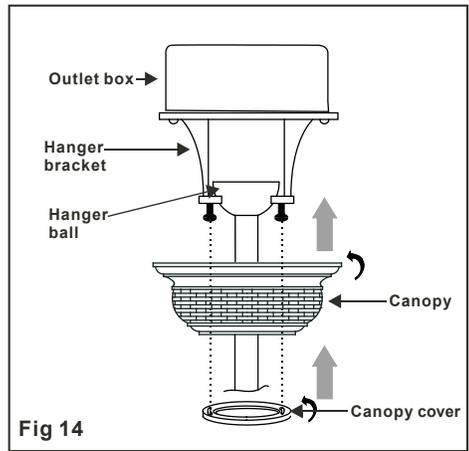
**FAN CONTROLLED BY WALL CONTROL, LIGHT KIT CONTROLLED BY LIGHT SWITCH.**



# FINISHING THE INSTALLATION 6.

**Step 1.** Slide the canopy up to the ceiling and over the two screws on hanger bracket. Rotate canopy clockwise, next, while holding the canopy with one hand, slide the canopy cover over the screws and rotate counter-clockwise until tight.

**Note:** adjust the canopy screws as necessary until the canopy and canopy cover are snug. (Fig. 14)



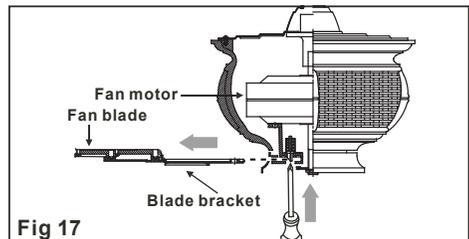
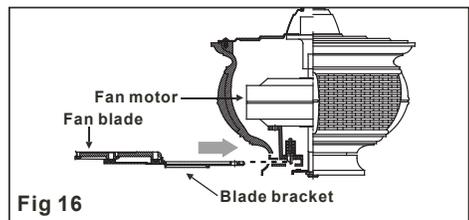
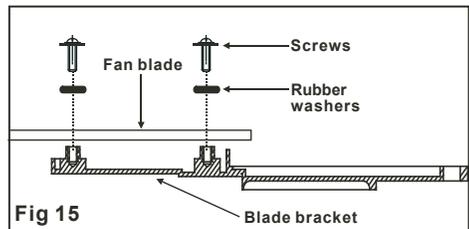
# ATTACHING THE FAN BLADES 7.

**Step 1.** Attach the fan blade to the blade bracket using the screws and rubber washers provided. Tighten screws securely. Repeat for remaining blades. (Fig. 15)

**Step 2.** Remove the rubber stops from the motor. Insert the blade bracket into the motor housing through the blade bracket slot. Push blade until snug. You should be able to hear the inside safety pin fall into the blade hole to secure the blade in place. (Fig. 16)

## BLADE REMOVAL

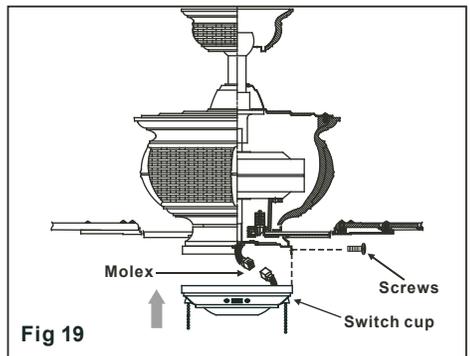
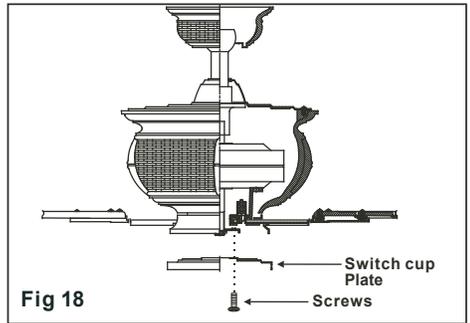
In the event that the blades need to be removed, use a Phillips screwdriver to press the safety pin upward via the access window in the switch housing. (Fig. 17)



# SWITCH CUP INSTALLATION 8.

**Step 1.** Remove the screws from the motor housing, place the switch cup plate over the motor housing and align the holes. Secure in place with screws previously removed. (Fig. 18)

**Step 2.** Remove the screws from the switch cup plate. Place the switch cup close to the switch cup plate, align the plastic connectors from switch cup and the switch cup plate and firmly snap the two connectors. Assemble the switch cup to the switch cup plate by tightening the screws previously removed. (Fig. 19)



# 9. LIGHT KIT INSTALLATION

**Step 1.** Remove and discard the center plug from the switch cup. (Fig. 20)

**Step 2.** Feed the BLACK and WHITE wires from the light kit through the center hole of the switch cup. Thread the switch cup to the nipple on the light kit. (Fig. 20)

Make sure the light kit is securely attached to the switch cup to prevent it from vibrating loose during fan operation.

**Step 3.** Carefully move the wires in the switch cup to the side to allow the lock washer and nut to be threaded onto the nipple in light kit. Do not over tighten.

**Step 4.** Locate the WHITE and BLUE wires in the switch cup labeled "LIGHT", remove the wire nuts attached to these wires. (Fig. 20)

**Step 5.** Proceed to make the wire connections as follows; Connect the WHITE wire from the switch cup to the WHITE wire from the light kit, secure the connection with a wire nut previously removed. Follow the same procedure for the BLUE wire from switch cup and BLACK wire from light kit. You may wrap the connections with electrical tape for added safety. (Fig. 20)

**Step 6.** Carefully and neatly tuck the wire connections into the switch cup.

**Step 7.** Remove the screws from the switch cup plate. Place the switch cup with light kit attached close to the switch cup plate, align the plastic connectors from switch cup and the switch cup plate and firmly snap the two connectors. Secure the switch cup to the light kit plate using the three screws previously removed. Securely tighten. (Fig. 21)

**Step 8.** Install 1 x 100W Medium base bulb (not included).

**Step 9.** Install the glass shade by carefully turning it clockwise until snug. DO NOT OVERTIGHTEN.

**Step 10.** Align the three screws from the glass frame to the three key holes from the light kit. Twist to lock in place, securely tighten all three screws. (Fig. 21)

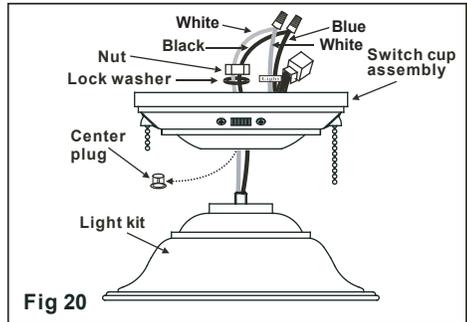


Fig 20

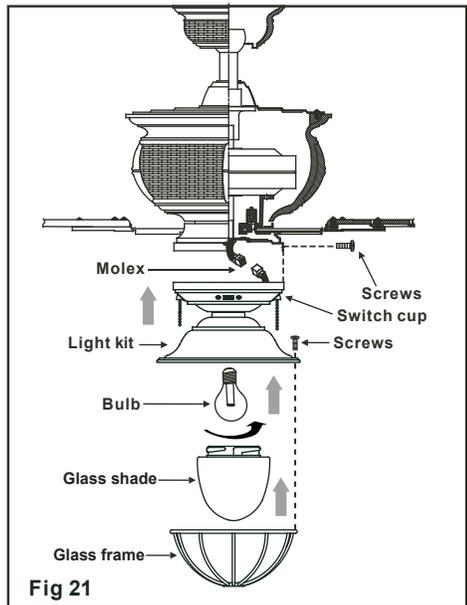


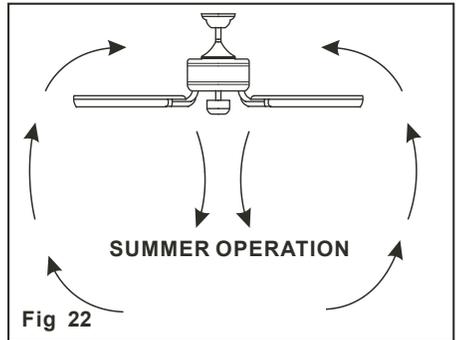
Fig 21

# OPERATING YOUR FAN 10.

**Restore power to ceiling fan and test for proper operation.**

Speed settings for warm or cool weather depend on factors such as the room size. Ceiling height, number of fans, etc.

The Reverse switch is located on the switch cup. Slide the switch to the Left for warm weather operation. Slide the switch to the Right for cool weather operation.



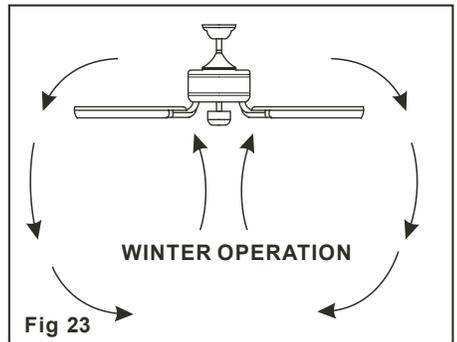
**NOTE:** Wait for fan to stop before changing the setting of the slide switch.

**Warm weather** - (Forward)

A downward airflow creates a cooling effect as shown in Fig. 22. This allows you to set your air conditioner on a warmer setting without affecting your comfort.

**Cool weather** - (Reverse)

An upward airflow moves warm air off the ceiling area as shown in Fig. 23. This allows you to set your heating unit on a cooler setting without affecting your comfort.



The pull chain controls the fan speed as follows:

1st pull	- High
2nd pull	- Med.
3rd pull	- Low
4th pull	- Off

# 11. CARE OF YOUR FAN

Here are some suggestions to help you maintain your fan.

1. Because of the fan's natural movement, some connections may become loose. Check the support connections, brackets, and blade attachments twice a year. Make sure they are secure. **(It is not necessary to remove fan from ceiling.)**

2. Clean your fan periodically to help maintain its new appearance over the years.

3. Use only a soft brush or lint-free cloth to avoid scratching the finish. The finish is sealed with a lacquer to minimize discoloration.

4. **There is no need to oil your fan.** The motor has permanently lubricated bearings.

5. All glass should be cleaned using lukewarm soapy water and a soft cloth or sponge.

**DO NOT IMMERSE GLASS IN HOT WATER. DO NOT PUT GLASS INTO AN AUTOMATIC DISHWASHER**

## **WARNING**

Make sure the power is off at the electrical panel box Before you attempt any repairs. Refer to the section, "Making Electrical Connections".

For any additional information about your **Minka-Aire™** Ceiling fan, please write to:



1151 W. Bradford Court  
Corona, CA 92882

For customer assistance call: 1-800-307-3267

# 12. TROUBLESHOOTING

## Problem

## Solution

### Fan will not start

1. Check fuses or circuit breakers.
2. Check line wire connections to fan.  
**CAUTION:** Make sure main power is off.

### Fan sounds noisy.

1. Allow a 24-hour "break-in" period. Most noises associated with a new fan will go away during this time.
2. Make sure all motor housing screws are snug.
3. Make sure that the screws that attach the fan blade bracket to the motor hub are tight.
4. Make sure your outlet box is secured and rubber pads were used between the hanger bracket and outlet box.

### Fan Wobble

1. Check that all blade and blade holder screws are secured.
2. Use the enclosed blade balancing kit if blade wobble is excessive. (See instructions included with the balancing kit.)

**NOTE:** All blade sets are grouped by weight. Because ABS blades vary in density, the fan may wobble even though blades are weight matched.

# 13. SPECIFICATIONS

Fan Size	Speed	Volts	Amps	Watts	RPM	CFM	N.W.	G.W.	C.F.
52"	Low	120	0.34	15	74	1035	11.96 kgs	13.44 kgs	2.66'
	Medium	120	0.46	32	114	4000			
	High	120	0.56	67	172	5600			

These are typical readings. Your actual fan may vary. They do not include Amps and Wattage used by the light kit.