

### 3. INSTALLING THE FAN

Tools Required: Phillips screwdriver, straight slot screwdriver, and pliers, wire cutters and electrical tape.

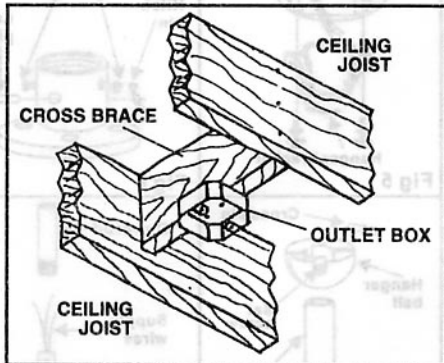


FIG. 1

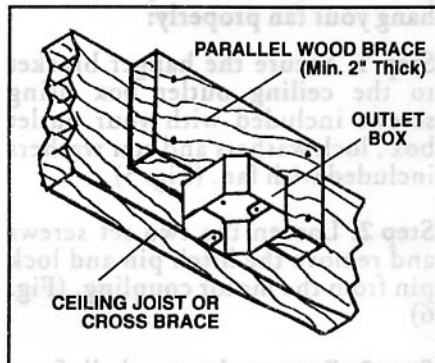


FIG. 2

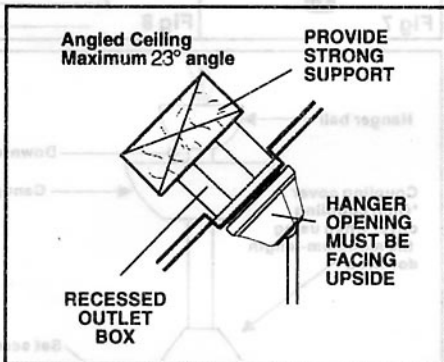


FIG. 3

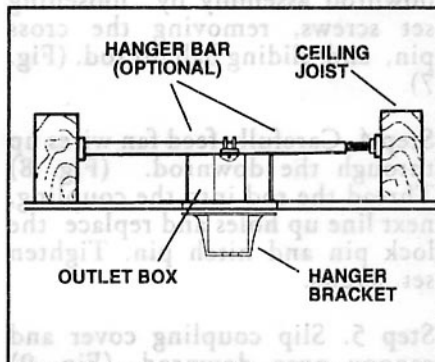


FIG. 4

### MOUNTING OPTIONS

If there is not 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 system must be able to fully support the moving weight of the fan (at least 50 lbs.) **Use UL listed metal outlet box. Do not use 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, slope 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 and star washers included with fan. (Fig. 5)

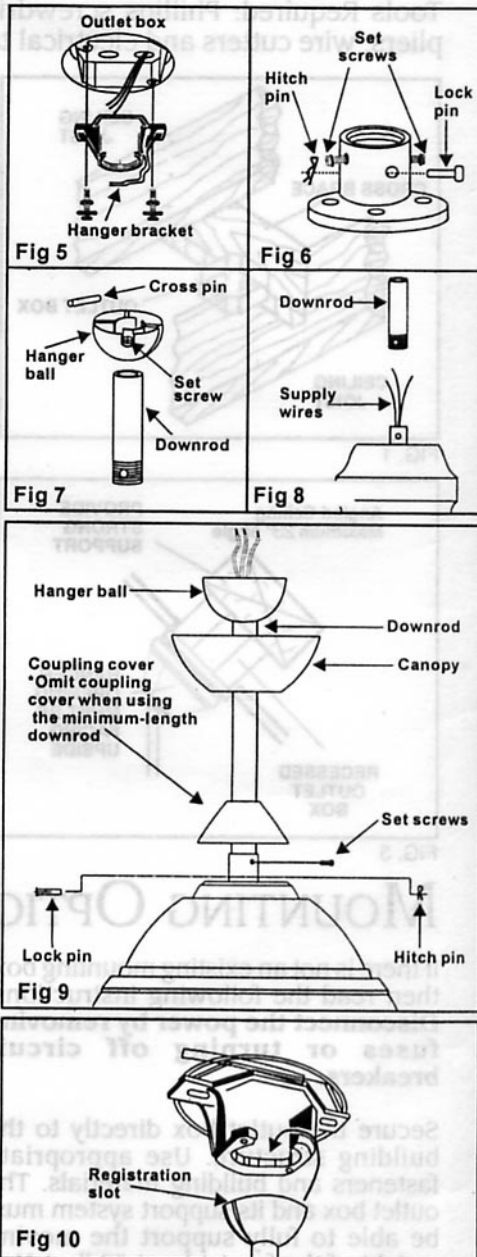
**Step 2.** Loosen the two set screws and remove the hitch pin and lock pin from the motor coupling. (Fig. 6)

**Step 3.** Remove hanger ball from downrod assembly by loosening set screws, 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 the lock pin and hitch pin. Tighten set screws.

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

**Step 6.** Now lift the motor assembly into position and place downrod 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.

**WARNING:** To avoid possible electrical shock, be sure electricity is turned off at the circuit breaker or main fuse box before wiring.

**NOTE:** (Fig. 11) This remote control unit is equipped with 16 code combinations to prevent possible interference from or to other remote units. The frequency switches on your receiver and wall transmitter have been preset from the factory. Please recheck to make sure the switches from both units are set to the same positions. Any combination of settings will operate the fan as long as the wall transmitter and receiver are set to the same switch settings.

**Step 1.** (Fig. 12) Insert the receiver unit into the hanger bracket with the flat side of the receiver facing the ceiling.

**Step 2.** (Fig. 13 & 14) Motor to receiver Electrical Connections; Connect the Black wire from the fan to the Black wire marked "To Motor L" from the receiver. Connect the White wire from the fan to the White wire marked "To Motor N" from the receiver. Connect the Blue wire from the fan to the Blue wire marked "For Light" from the receiver.

**Step 3.** (Fig. 13 & 14) Receiver to house supply wires Electrical Connections; Connect the Black (Hot) wire from the outlet box to the Black wire marked "AC in L" from the receiver. Connect the White (neutral) wire from the outlet box to the white wire marked "AC in N" from the receiver. Secure all wire connections with the plastic wire nuts provided.

**Step 4.** (Fig. 13 & 14) If your outlet box has a ground wire (green or bare copper) connect the fan ground wire from hanger ball and hanger bracket to it; otherwise connect the fan ground

wire from the hanger ball and hanger bracket together.

**Step 5.** After the splices are made, secure connectors with electrical tape. Spread the wires apart so that the green and white wires are on one side of the outlet box and the black and blue wires are on the other. Make sure there are no loose strands or connections. Turn wire connectors upward and push the wiring into the outlet box.

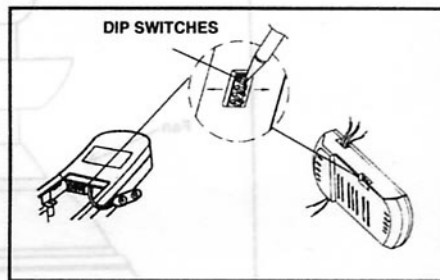


FIG. 11

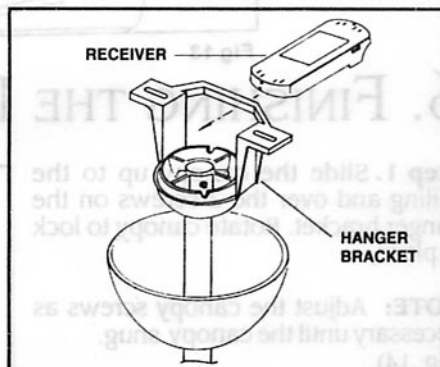


FIG. 12

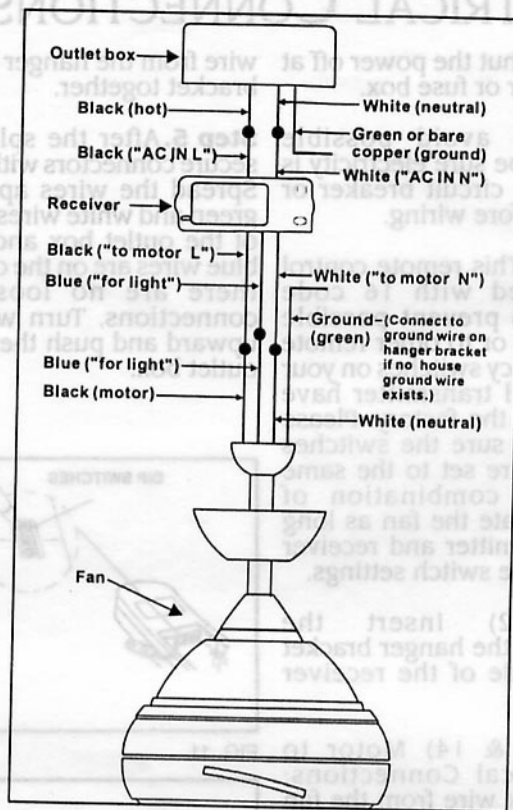


Fig 13

## 6. FINISHING THE INSTALLATION

**Step 1.** Slide the canopy up to the ceiling and over the 2 screws on the hanger bracket. Rotate canopy to lock in place,

**NOTE:** Adjust the canopy screws as necessary until the canopy snug. (Fig. 14)

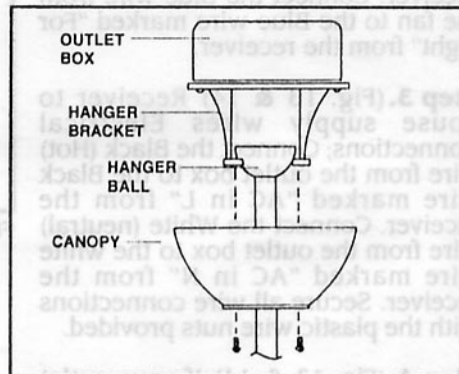


FIG.14

## BLADE INSTALLATION 7.

THE FOLLOWING OPERATION MUST BE ACCOMPLISHED BEFORE INSTALLING THE LIGHT KIT.

**Step 1.** Insert the blades into the motor housing blade slots, 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. 15)

**CAUTION:** Re-check each blade to make sure all blades are secured to the motor by holding blade from the tip and gently pulling it outwards. The blades should be snug to the motor housing without any up or down or sideways play.

All blade sets are grouped by weight. Because plastic injection varies in density, the fan may wobble even though the blades are weight matched.

### BLADE REMOVAL

In the event that the blades need to be removed, use the blade removal tool include with your fan. Remove the blades by pulling the safety pin via the opening above the blade in the motor housing as shown. (Fig. 16)

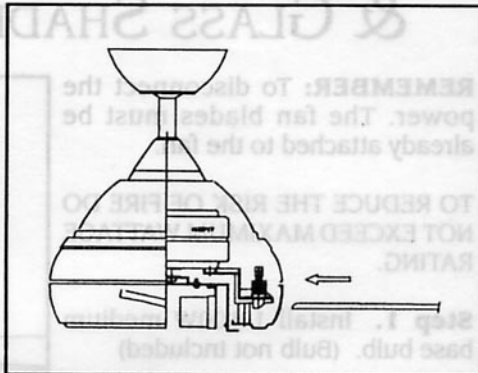


FIG. 15

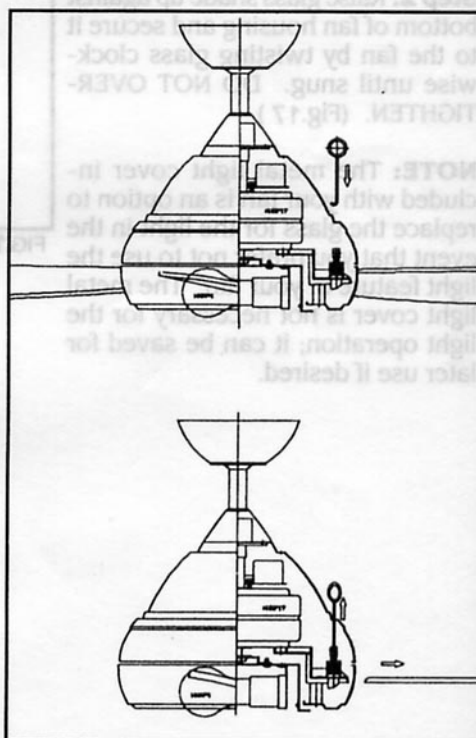


FIG. 16

## 8. INSTALLING THE LIGHT BULB & GLASS SHADE

**REMEMBER:** To disconnect the power. The fan blades must be already attached to the fan.

TO REDUCE THE RISK OF FIRE DO NOT EXCEED MAXIMUM WATTAGE RATING.

**Step 1.** Install 1-100W medium base bulb. (Bulb not Included)

**Step 2.** Raise glass shade up against bottom of fan housing and secure it to the fan by twisting glass clockwise until snug. DO NOT OVERTIGHTEN. (Fig.17)

**NOTE:** The metal light cover included with your fan is an option to replace the glass for the light in the event that you prefer not to use the light feature of your fan. The metal light cover is not necessary for the light operation; it can be saved for later use if desired.

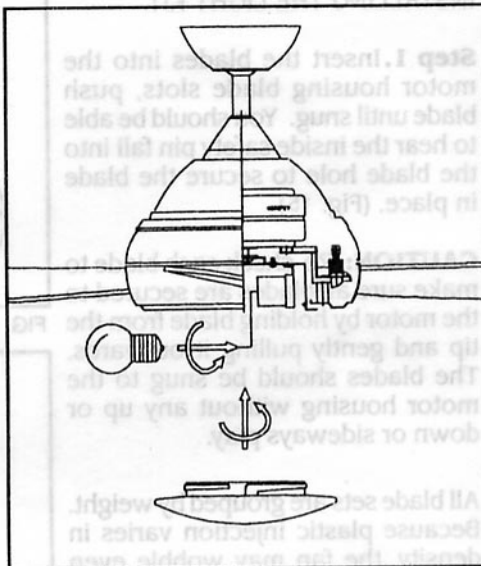


FIG.17