PROGRESS® LIGHTING

Ceiling Fan Installation Manual

P2514

PROGRESS LIGHTING 30-YEAR LIMITED WARRANTY

PROGRESS LIGHTING FAN MOTORS ARE WARRANTED TO THE END USER TO BE FREE OF ELECTRICAL AND/OR MECHANICAL DEFECTS FOR A PERIOD OF 30 (THIRTY) YEARS FROM DATE OF SALE. PULL CHAIN SWITCHES, REVERSE SWITCHES, CAPACITORS AND METAL FINISHES ARE WARRANTED FOR A PERIOD OF 1 YEAR. WARPING OF WOODEN OR PLASTIC BLADES IS NOT COVERED BY THIS WARRANTY.

THE END USER HAS THE OPTION OF RETURNING THE DEFECTIVE FAN TO THE PLACE OF PURCHASE DURING THE FIRST 30 DAYS FOR A REPLACEMENT. AFTER 30 DAYS, THE PURCHASER MUST CONTACT PROGRESS LIGHTING FOR REPAIR OR REPLACEMENT. THE END USER ALSO BEARS THE RESPONSIBILITY FOR ALL COSTS IN THE REMOVAL, SHIPPING AND REINSTALLATION OF FANS OR PARTS FOR REPAIR OR REPLACEMENT.

PROGRESS LIGHTING WILL NOT ASSUME LIABILITY OR RESPONSIBILITY FOR DAMAGES (INCLUDING INCIDENTAL OR CONSEQUENTIAL) CAUSED BY THE IMPROPER INSTALLATION OR OPERATION OF THE UNIT OR ITS COMPONENT PARTS, OR BY THE FAILURE OF SUPPORTING HARDWARE NOT SUPPLIED BY PROGRESS LIGHTING. THIS WARRANTY IS GIVEN IN LIEU OF ALL OTHER GUARANTEES, WHETHER EXPRESSED OR IMPLIED, AND IS VOIDED IN CASES OF ABUSE, MISUSE OR IMPROPER HANDLING, NEGLIGENCE, SHIPPING DAMAGE, UNAUTHORIZED REPAIRS (MADE OR ATTEMPTED) OR UNUSUAL APPLICATION.

SOME STATES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS OR THE EXCLUSION OR LIMITATIONS OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATIONS AND EXCLUSIONS MAY NOT APPLY TO YOU. THIS WARRANTY GIVES YOU SPECIFIC RIGHTS AND YOU MAY HAVE OTHER RIGHTS WHICH VARY FROM STATE TO STATE.

Date Purchased _____

Store Purchased_____

Model No._____

Serial No. _____

Vendor No._____ 11221 _____

UPC _____ 785247139187 _____

PROGRESS LIGHTING

30-YEAR LIMITED WARRANTY

Table of Contents

1. To reduce the risk of electric shock, insure electricity has been turned off at the circuit breaker or fuse box before beginning.

2. All wiring must be in accordance with the National Electrical Code and local electrical codes. Electrical installation should be performed by a qualified licensed electrician.

3. **WARNING:** To reduce the risk of electrical shock and fire, do not use this fan with any solid-state fan speed control device.

4. **WARNING:** To reduce the risk of personal injury, use only the two steel screws (and lock washers) provided with the outlet box for mounting to 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, ELECTRIC SHOCK OR PERSONAL
INJURY, MOUNT FAN TO OUTLET BOX MARKED ACCEPTABLE FOR
FAN SUPPORT.
```

5. The outlet box and support structure must be securely mounted and capable of reliably supporting a minimum of 50 pounds. Use only UL Listed outlet boxes marked **FOR FAN SUPPORT.**

6. The fan must be mounted with a minimum of 7 feet clearance from the trailing edge of the blades to the floor.

7. To operate the reverse function on this fan, press the reversing button while the fan is running.

8. Avoid placing objects in the path of the blades.

1. Safety Rules

9. 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.

11. 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 one side of the outlet box.

12. Electrical diagrams are for reference only. Light kits that are not packed with the fan must be UL Listed and marked suitable for use with the model fan you are installing. Switches must be UL General Use Switches. Refer to the Instructions packaged with the light kits and switches for proper assembly.

```
WARNING
TO REDUCE THE RISK OF PERSONAL INJURY, DO NOT BEND THE
BLADE ARMS (ALSO REFERRED TO AS BRACKETS) DURING
ASSEMBLY OR AFTER INSTALLATION. DO NOT INSERT OBJECTS IN
THE PATH OF THE BLADES.
```
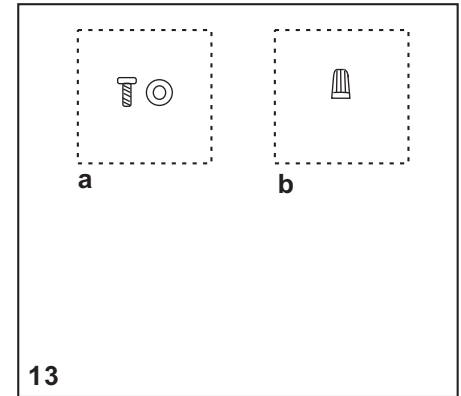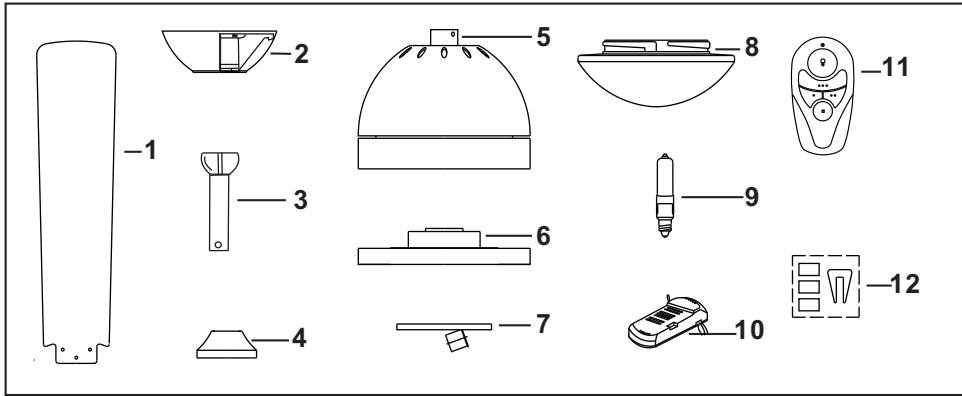
```
NOTE
READ AND SAVE ALL INSTRUCTIONS!
```

```
ATTENTION
Under the Energy Policy Act of 2005, federal regulations require
all ceiling fans with light kits manufactured or imported after
January 1, 2009, to limit the total wattage consumed by the light
kit to 190 watts. Therefore, this product is equipped with a 190W
limiting device. If lamping exceeds 190 watts, the light kit will
shut off automatically until the proper wattage of bulbs are
installed. Reset the light kit by turning it off, replacing the bulbs
with the correct wattage, and then turning the light kit back on.
```

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

1. Fan blades (3)
2. Canopy assembly
3. Ball/downrod assembly
4. Coupling cover
5. Fan motor assembly
6. Mounting plate

7. Light plate
8. Glass shade
9. 100 Watt halogen bulb
10. Receiver with 6 wire nuts
11. Transmitter incl. 2 mounting screws
12. Balancing kit

13. Loose parts bag containing:

a. **Blade attachment hardware**
   (10 screws, 10 fiber washers)
b. **Mounting hardware:**
   Wire nuts (3)

Unpacking Your Fan

Tools Required

Phillips screw driver, straight slot screw driver, adjustable wrench, step ladder, and wire cutters.
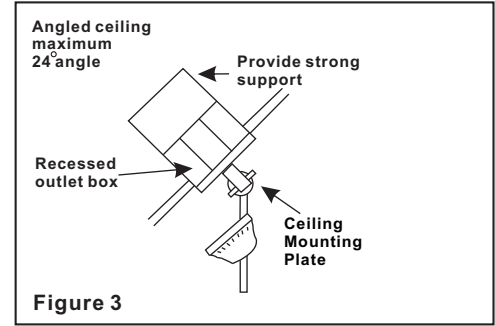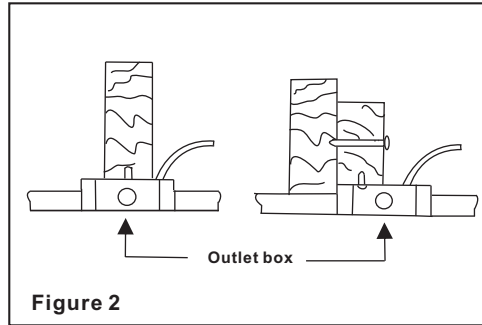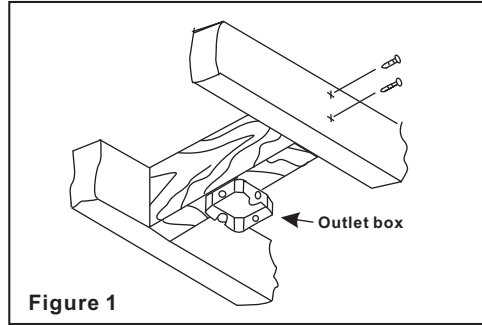
Mounting Options

If there isn't an existing UL listed mounting box, then read the following instructions. Disconnect the power by removing fuses or turning off circuit breakers.
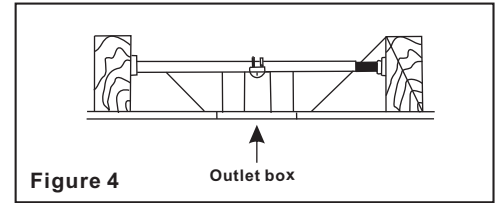
Secure the outlet box directly to the building structure. Use appropriate fasteners and building materials. The outlet box and its support must be able to fully support the moving weight of the fan (at least 50 lbs). Do not use plastic outlet boxes.

WARNING
TO REDUCE THE RISK OF FIRE, ELECTRIC SHOCK, OR OTHER PERSONAL INJURY, MOUNT FAN ONLY TO AN OUTLET BOX MARKED ACCEPTABLE FOR FAN SUPPORT AND USE THE MOUNTING SCREWS PROVIDED WITH THE OUTLET BOX. OUTLET BOXES COMMONLY USED FOR THE SUPPORT OF LIGHTING FIXTURES MAY NOT BE ACCEPTABLE FOR FAN SUPPORT AND MAY NEED TO BE REPLACED. CONSULT A QUALIFIED ELECTRICIAN IF IN DOUBT.

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

← Outlet box

Figure 1

← Outlet box

Figure 2

Angled ceiling maximum 24°angle

Provide strong support

Recessed outlet box

Ceiling Mounting Plate

Figure 3

Note: You may need a longer downrod to maintain proper blade clearance when installing on a steep, sloped ceiling.

Outlet box

Figure 4

To hang your fan where there is an existing fixture but no ceiling joist, you may need an installation hanger bar as shown in Figure 4 (available at your Progress Lighting

3. *Installing Your Fan*

Hanging the Fan

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

Step 1. Remove the decorative canopy bottom cover from the canopy by turning the cover counter clockwise.(Fig. 5)

Step 2. Remove the mounting bracket from the canopy by removing the 1 of 2 screws from the bottom of the mounting bracket and loosening the other one a half turn from the screw head. Next, turn the canopy counter clockwise to removing the mounting bracket from the canopy. (Fig, 5)

Step 3. Pass the 120-volt supply wires through the center hole in the ceiling hanger bracket as shown in Fig. 6.

Step 4. Secure the hanger bracket to the ceiling outlet box with the screws and washers provided with your outlet box.

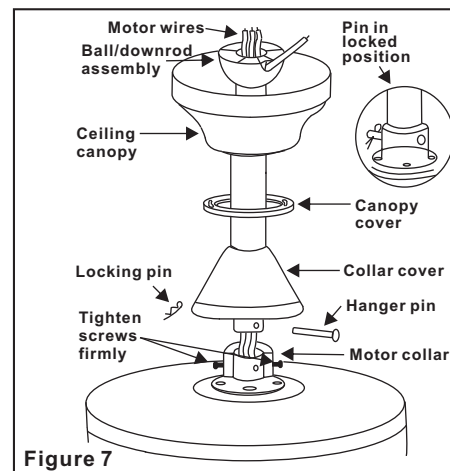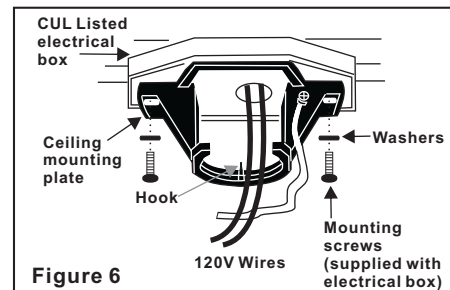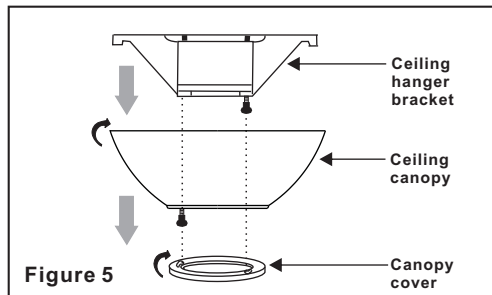**Step 5**. Remove the hanger pin, lock pin and set screws from the top of the motor assembly.

Step 6. Route wires exiting from the top of the fan motor through the collar cover, canopy cover, canopy and then through the ball / downrod. (Fig. 7)

Step 7. Align the holes at the bottom of the downrod with the holes in the collar on top of the motor housing (Fig.7). Carefully insert the hanger pin through the holes in the collar and downrod. Be careful not to jam the pin against the wiring inside the downrod. Insert the locking pin through the hole near the end of the hanger pin until it snaps into its locked position, as noted in the circle inset of Fig. 7.

Step 8. Tighten two set screws on top of the fan motor firmly (Figure 7)

Step 9. Place the downrod ball into the hanger bracket socket.

Figure 6

Figure 5

Figure 7

4.

Make the Electric Connections

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

NOTE: 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 transmitter have been preset at the factory. Please recheck to make sure the switches on the transmitter and the receiver are set to the same position, any combination of settings will operate the fan as long as the transmitter and receiver are set to the same position.(Figure 8)
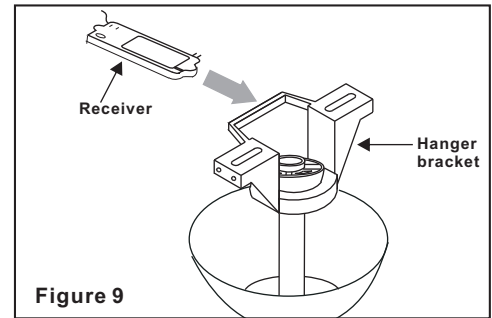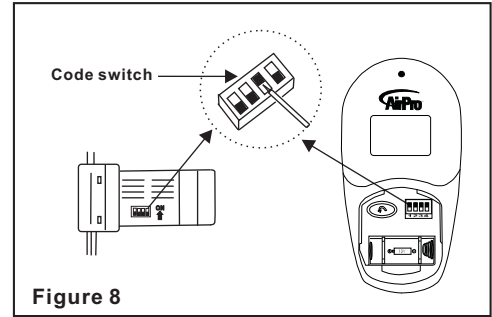
Step 1. (Figure 9) Insert the receiver into the mounting bracket with the flat side of the receiver facing the ceiling.

Step 2. (Fig. 10) Motor to Receiver Electrical Connections: Connect the Black wire from the fan to Black wire marked "TO MOTOR L". 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. Secure wire connections with the plastic wire nuts provided.

Step 3. (Figure 10) Receiver to House Supply Wires Electrical Connections: Connect the black (hot) wire from the ceiling to the black wire marked "AC in L" from the receiver. Connect the white(neutral) wire from the ceiling to the white wire marked "AC in N" from the Receiver. Secure the wire connections with the plastic wire nuts provided.

Step 4. (Figure 10) If your outlet box has a ground wire (green or bare copper) connect it to the fan ground wires; otherwise connect the hanging bracket ground wire to the mounting bracket. Secure the wire connection with a plastic nut provided. After connecting the wires spread them apart so that the green and white wires are on one side of the outlet box and black and blue wires are on he other side. Carefully tuck the wire connections up into the outlet box.

Note: Fan must be installed at a maximum distance of 20 feet from the transmitting unit for proper signal transmission between the transmitting unit and the fan's receiving unit.
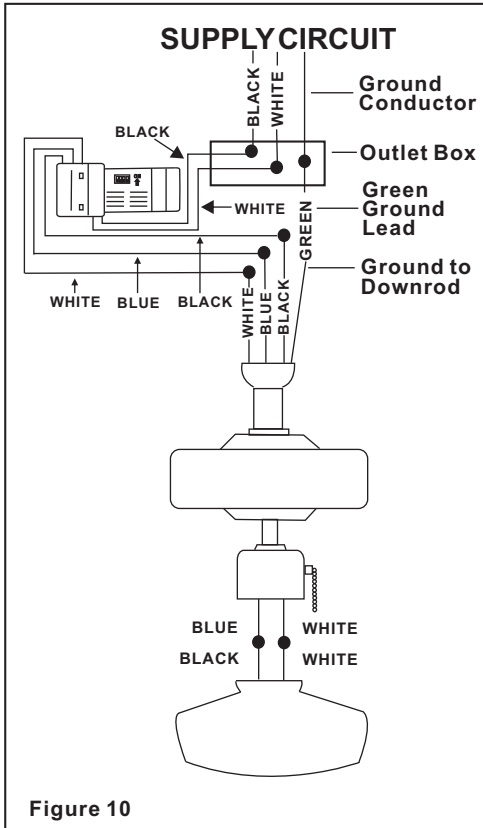

Code switch

Figure 8

Receiver

Hanger bracket

Figure 9

5.

SUPPLY CIRCUIT

BLACK
WHITE

Ground Conductor

BLACK

Outlet Box

WHITE

Green Ground Lead

GREEN

Ground to Downrod

WHITE   BLUE   BLACK

WHITE
BLUE
BLACK

BLUE   WHITE

BLACK   WHITE

Figure 10

Finishing the Installation

Step 1. Tuck connections neatly into ceiling outlet box.

Step 2. Slide the canopy up to mounting bracket and place the key hole on the canopy over the screw on the mounting bracket, turn canopy until it locks in place at the narrow section of the key holes. (Fig. 11)

Step 3. Align the circular hole on canopy with the remaining hole on the mounting bracket, secure by tightening the two set screws. Note: Adjust the canopy screws as necessary until the canopy and canopy cover are snug.

WARNING
Make sure the notch on the hanging bracket properly sits in the groove in the hanger ball before attaching the canopy to the bracket by turning the housing until it drops into place.
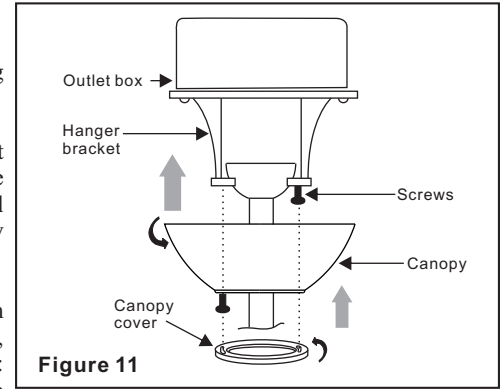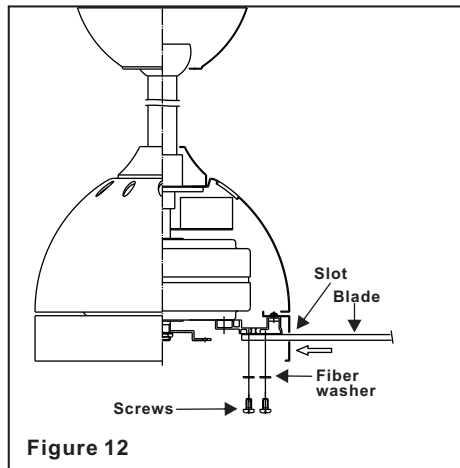

Outlet box

Hanger bracket

Screws

Canopy

Canopy cover

Figure 11

6.

Attaching the Fan Blades

Insert the blade through the slot in housing. Align holes in blade and motor and secure with 3 screws and fiber washers. Repeat process with the other blades. (Fig. 12)
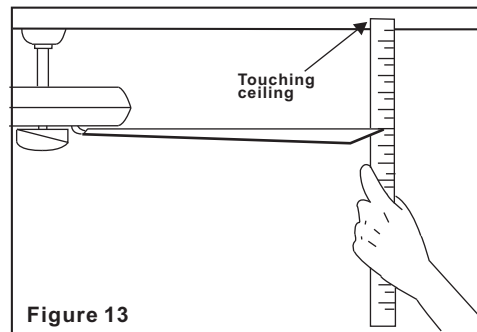

Figure 12

Blade Balancing

All blades are grouped by weight. Because natural woods very in density, the fan may wobble even though the blades are weighed equally.

The following procedure should correct most fan wobbling problems. Check after each step.

1. Check that all blade and blade arm screws are secure.

2. Most fan wobbling problems are caused when blade levels are unequal. Check this level by selecting a point on the ceiling above the tip of one of the blades. Measure this distance as shown in Figure 13. Rotate the fan until the next blade is positioned for measurement. Repeat for each blade. The distance deviation should be equal within 1/8".

3. Use the enclosed Blade Balancing Kit if the blade wobble is still noticeable.

4. If the blade wobble is still noticeable, interchanging two adjacent (side by side) blades can redistribute the weight and possibly result in smoother operation.
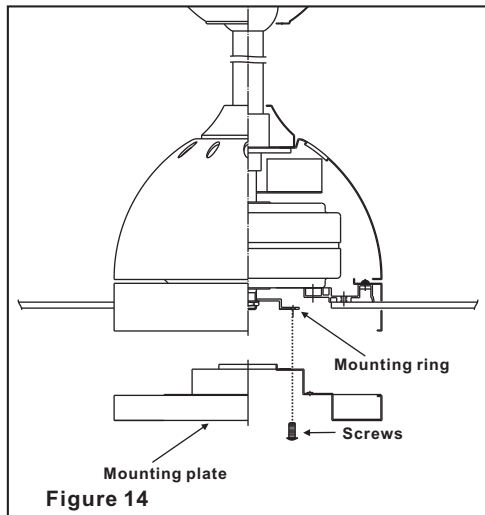
WARNING
TO REDUCE THE RISK OF PERSONAL INJURY, DO NOT BEND THE BLADE HOLDERS WHILE INSTALLING, BALANCING THE BLADES, OR CLEANING THE FAN. DO NOT INSERT FOREIGN OBJECTS BETWEEN ROTATING FAN BLADES.

Figure 13

7.

Installing the Mounting Plate

Step 1. Remove 1 of the 3 screws from the mounting ring and loosen the other 2 screws. (Do not remove)

Step 2. Place the key holes on the mounting plate over the 2 screws previously loosened from the mounting ring, turn mounting plate until it locks in place at the narrow section of the key holes. Secure by tightening the 2 screws previously loosened and the one previously removed. (Fig. 14)

Mounting ring

Screws

Mounting plate

Figure 14

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

Step 1. Remove the 3 screws from the mounting plate and keep it for future use.

Step 2. Raise and hold the light plate close to the mounting ring and proceed to do the wire connections. Connect the white wire connectors from the light plate and fan, follow the same procedure with the black wire connectors. (Fig. 15)

Step 3. Tuck connections neatly into mounting plate. Secure by tightening the 3 screws previously removed.(Fig. 15).

Step 4. Install 100W halogen bulb (included). (Fig. 16)
Instructions pertaining to a risk of fire, or injury to persons important safety instructions lighted lamp is **hot!**
Warning-to reduce risk of fire or injury to persons
A.- Turn off/unplug and allow to cool before replacing lamp.
B.- Lamp gets hot quickly contact only switch/plug when turning on.
C.- Do not touch hot lens, guard, or enclosure.
D.- Do not remain in light if skin feels warm.
E.- Do not look directly at lighted lamp.
F.- Keep lamp away from materials that what burn.
G.- Use only with wattage or lamp marked on fixture.
H.- Do not touch the lamp at any time. oil from skin may damage lamp. use a soft dry cloth. (halogen lamp may be cleaned with rubbing alcohol.) halogen lamps operate at extremely high temperatures and pressures. they will shatter if not handled correctly.
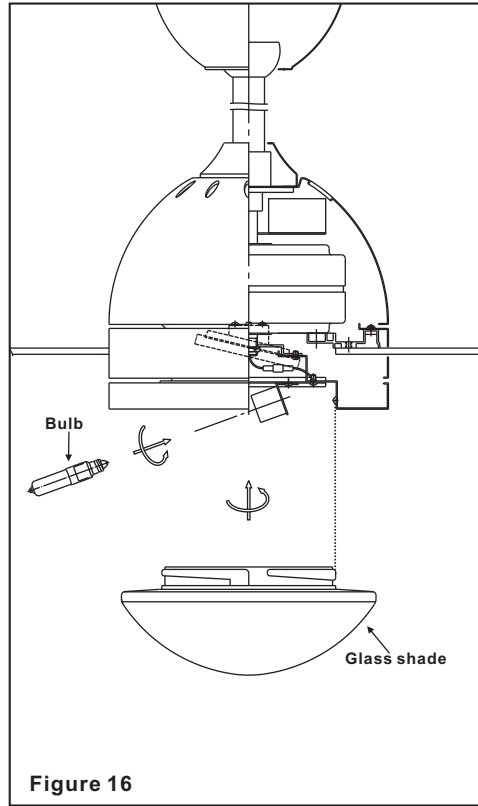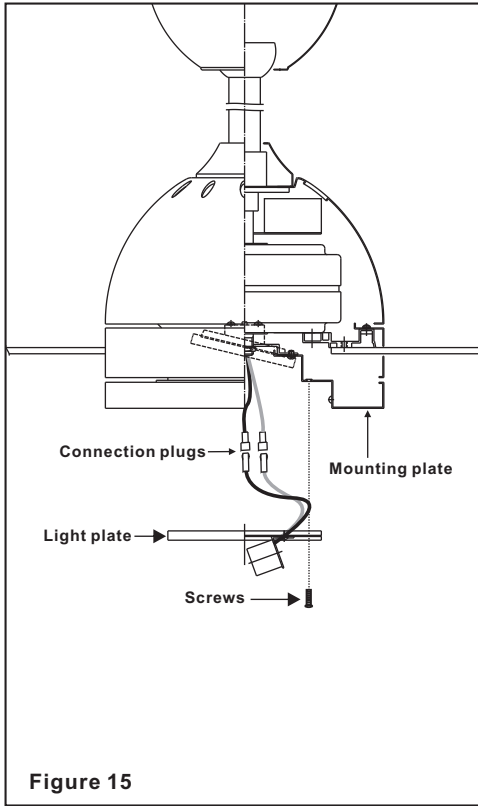I.- Do not operate the luminaire fitting with a missing or damaged shield.
J.- Do not place near water.
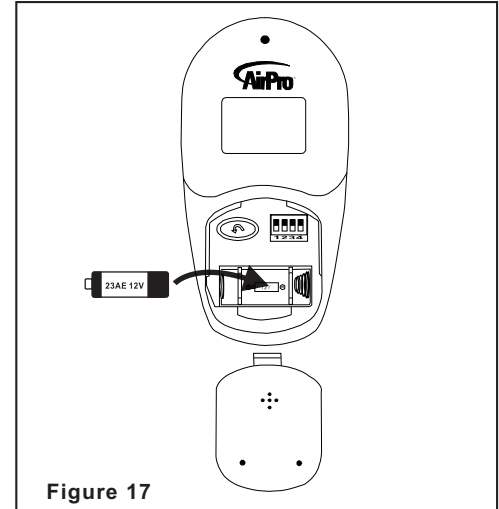K.- Not for outdoor use.

Step 5. Raise glass shade up against the mounting plate and secure it to fan by twisting glass clockwise until snug. DO NOT OVERTIGHTEN. (Fig. 16)

Installing the Light Kit 8.

Connection plugs

Mounting plate

Light plate

Screws

Figure 15

Bulb

Glass shade

Figure 16

Installing the battery:

Install **12V MN21/A23** battery (included), to prevent damage to transmitter, remove the battery if not used for long periods.

AirPro

23AE 12V

Figure 17

9.

Restore power to ceiling fan and test for proper operation.

1. "●,●●,●●●" buttons:
   These three buttons are used to set the fan speed as follows:
   - ● = Low speed
   - ●● = Medium speed
   - ●●● = High speed

2. "■" button:
   This button turns the fan off.

3. The "💡" button turns the light ON or OFF and also controls the brightness setting. Press and release the button to turn the light ON or OFF. Press and hold the button to set the desired brightness. The light key has an auto-resume, it will stay at the same brightness as the last time it was turned off.
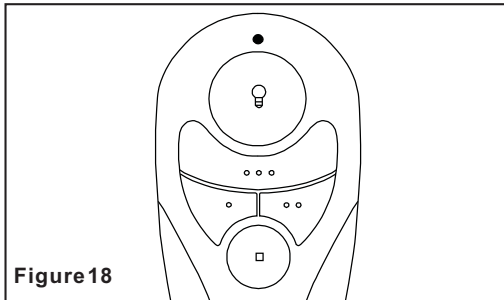

Figure 18

4. The "⟳" button (inside the battery compartment in the back side of the transmitter)-Fan reversing function, used to set the fan forward or reverse, press the button forward (for warm weather) or reverse (for cool weather):

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

NOTE: To operate the reverse function on this fan, press the reverse button while the fan is running.

Warm weather - (Forward) A downward air flow creates a cooling effect as shown in Figure 19. This allows you to set your air conditioner on a higher setting without affecting your comfort.

Cool weather - (Reverse) An upward airflow moves warm air off the ceiling area as shown in Figure 20. This allows you to set your heating unit on a lower setting without affecting your comfort.
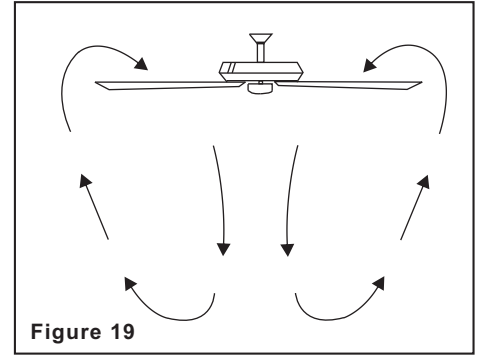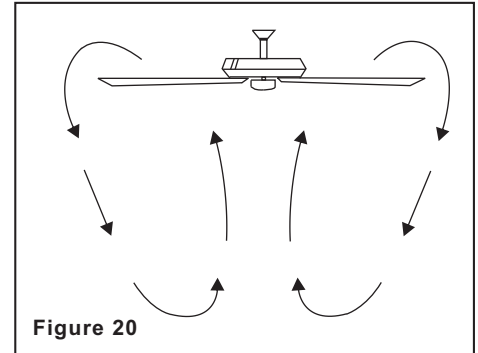

Figure 19

Figure 20

Operating Your Transmitter 10.

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. Use only a soft brush or lint-free cloth to avoid scratching the finish. The plating is sealed with a lacquer to minimize discoloration or tarnishing. Do not use water when cleaning. This could damage the motor, or the wood, or possibly cause an electrical shock.

3. You can apply a light coat of furniture polish to the wood blades for additional protection and enhanced beauty. Cover small scratches with a light application of shoe polish.

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

IMPORTANT

MAKE SURE THE POWER IS OFF AT THE ELECTRICAL PANEL BOX BEFORE YOU ATTEMPT ANY REPAIRS. REFER TO THE SECTION "MAKING ELECTRICAL CONNECTIONS"

---

11. Care of Your Fan

Problem	Solution
Fan will not start.	1. Check circuit fuses or breakers.
	2. Check line wire connections to the fan and switch wire connections in the switch housing. **CAUTION**: Make sure main power is off.
	3. Check to make sure the dip switches from the transmitter and receiver are set to the same frequency.
Fan sounds noisy.	1. Make sure all motor housing screws are snug.
	2. Make sure the screws that attach the fan blade bracket to the motor hub is tight.
	3. Make sure wire nut connections are not rubbing against each other or the interior wall of the switch housing. **CAUTION**: Make sure main power is off.
	4. Allow a 24-hour "breaking-in" period. Most noise associated with a new fan disappear during this time.
	5. If using an optional light kit, make sure the screws securing the glassware are tight. Check that light bulb is also secure.
	6. Some fan motors are sensitive to signals from solid-state variable speed controls. If you have installed this type of control, choose and install another type of control.
	7. Make sure the upper canopy is a short distance from the ceiling. It should not touch the ceiling.
Lights shut off and will not come back on.	1. This unit is equipped with a wattage limiting device. Lamping in excess of 190 watts will disable your ceiling fan's light kit. To reset your light kit you must turn the power off and re lamp, keeping the wattage under 190 watts. Restore power to your ceiling fan and continue normal operation.

Troubleshooting 12.

Fan Size	Speed	Volts	Amps	Watts	RPM	CFM	N.W.	G.W.	C.F.
52"	Low	120	0.35	14	74	1911	16.17 lbs	19.8 lbs	1.6'
	Medium	120	0.47	35	123	2679			
	High	120	0.52	51	160	3613			

These are approximate measures. They do not include Amps and Wattage used by the light kit.

13. Specifications