# Table of Contents

1 • Getting Ready	
2 • Installing the Ceiling Mounting Plate	5
3 • Assembling and Hanging the Fan	7
4 • Setting the Remote Transmitter and Receiver	9
5 • Wiring the Fan	11
6 • Installing the Ceiling Plate Cover	
7 • Assembling the Blades	14
8 • Activating Auto Balance™	15
9 • Completing Your Installation With or	
Without a Bowl Light Fixture	
10 • Operation & Maintenance	

# **1** • Getting Ready

#### **Congratulations!**

Your new Hunter ceiling fan is an addition to your home or office that will provide comfort and reliable performance for many years. We are proud to supply you with the best ceiling fan available anywhere in the world.

#### **Before Installation**

Before installing your fan, be sure you can do the following: • Locate the ceiling joist or other suitable support in the ceiling.

- Drill holes and install wood screws or expansion anchors.
- If you have a concrete ceiling, you will need M5 x 30 mm
- expansion anchors and screws. (Sold separately) • Identify and connect electrical wires.• Lift 16 kg (40 lbs).Levantar 16
- Kg. (40 lb).

#### **Checking Your Fan Parts**

Carefully unpack your fan to avoid damage to the fan parts. Refer to the included Parts Guide. Check for any shipping damage to the motor or fan blades. If any parts are missing or damaged, contact your Hunter dealer or call Hunter Technical Support Department at 888-830-1326.If you are installing more than one fan, keep the fan blades and blade irons (if applicable) in sets, as they were shipped.

#### **Optional Accessories**

Consider using Hunter's optional accessories, including a wall-mounted or remote speed control. To install and use the accessories, follow the instructions included with each product. For ceilings higher than 8 feet, you can purchase Hunter extension downrods. All Hunter fans use sturdy 3/4" diameter pipe to assure stability and wobble-free performance

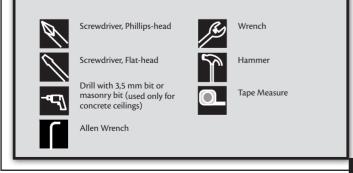
For quiet and optimum performance of your Hunter fan, use only Hunter speed controls and accessories.

#### How to Use This Manual:

 $(\mathbf{0})$ 

Be sure to read the entire manual before beginning installation and save any extra parts for future use. This manual will help you install, operate, and maintain your new fan. These instructions are designed to make installation and assembly as simple and efficient as possible. Each step has four components:

- 1. Each step is illustrated at the top of the page. The steps are numbered on the side of each illustration.
- 2. Text instructions beneath each illustration describe the procedure for each step.
- 3. On the right side of each image, you will find a life-sized illustration of necessary hardware. At the bottom of each illustration, there is a small image that depicts the tools needed for each step. Each image correlates to the following legend:



# WARNING!

۲

- READ THIS ENTIRE MANUAL CAREFULLY BEFORE BEGINNING INSTALLATION. SAVE THESE INSTRUCTIONS.
- Use only Hunter replacement parts.
- To reduce the risk of personal injury, attach the fan directly to the support structure of the building according to these instructions, and use only the hardware supplied.
- To avoid possible electrical shock, before installing your fan, disconnect the power by turning off the circuit breakers to the outlet box and associated wall switch location. If you cannot lock the circuit breakers in the off position, securely fasten a prominent warning device, such as a tag, to the service panel.
- All wiring must be in accordance with national and local electrical codes and ANSI/NFPA 70. If you are unfamiliar with wiring, use a qualified electrician.
- To reduce the risk of personal injury, do not bend the blade attachment system when installing, balancing, or cleaning the fan. Never insert foreign objects between rotating fan blades.
- To reduce the risk of fi re, electrical shock, or motor damage, do not use a solid-state speed control with this fan. Use only Hunter speed controls.

42798-01 • 09/16/09 • Hunter Fan Company

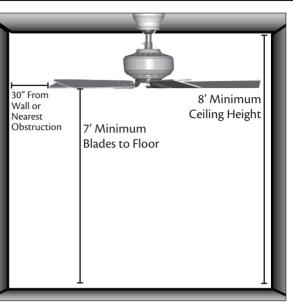
# 1 • Getting Ready (continued)

# Step 1 - Choose the Fan Site

Proper ceiling fan location and attachment to the building structure are essential for safety, reliable operation, maximum efficiency, and energy savings.

#### Choose a fan site where:

- No object can come in contact with the rotating fan blades during normal operation.
- The fan blades are at least 7 feet above the floor and the ceiling is at least 8 feet high.
- The fan blades have no obstructions to airflow, such as walls or posts, within 30 inches of the fan blade tips.
- The fan is directly below a joist or support brace that will hold the outlet box and the full weight of the fan.



# **Checklist for Existing Fan Site**

If you want to use an existing fan site, complete the following checklist to determine if the site is acceptable and safe for your new Hunter fan. If you cannot check off every item, prepare a new fan site as described on this page.

#### Fan Support System

- Fan attaches directly to building structure.
- Fan support system will hold full weight of the fan and light kit.

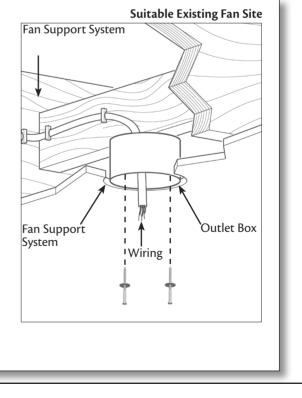
#### **Ceiling Hole**

• The outlet box clearance hole is directly below the joist or support brace.

#### Outlet Box

- The outlet box is an UL-approved octagonal 4" x 1-1/2" outlet box (or as specified by the support brace manufacturer).).
- The outlet box is secured to the joist or support brace by wood screws and washers through the inner holes of outlet box.
- The outer holes of the outlet box are aligned with joist or support brace.
- The bottom of the outlet box is recessed a minimum of 1/16" into ceiling. **Wiring**
- The electrical cable is secured to outlet box by an approved connector.
- Six inches of lead wires extend from outlet box.

If your existing fan site is suitable, skip ahead to Section **2** • Installing the Ceiling Plate.



# **1 • Getting Ready (continued)**

# Step 2 - Cut the Ceiling Hole

- 2-1. Locate the site for the ceiling hole directly below the joist or support brace that will hold the outlet box and fan.
- 2-2. Cut a 4" diameter hole through the drywall or plaster of the ceiling. You will use the hole to install the support brace and outlet box.

## Step 3 - Install a Support Brace, If Necessary

Determine if there is a ceiling joist directly above the ceiling hole. If the joist is there, determine if it is positioned to allow you to recess the outlet box a minimum of 1/16" into the ceiling. If NOT, install a support brace as follows:

- 3-1. Attach a 2" x 4" support brace between two joists. Position it to allow you to recess the bottom of the outlet box a minimum of 1/16" into the ceiling.
- 3-2. Check the support brace to ensure it will support the full weight of the fan and light kit.

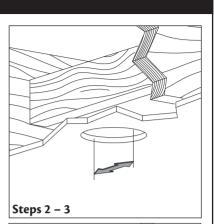
# Step 4 - Install the Outlet Box

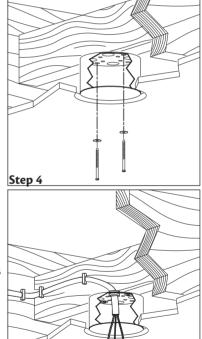
- 4-1. Obtain a UL-approved octagonal 4" x 1-1/2" outlet box, plus two #8 x 1-1/2" wood screws and washers, available from any hardware store or electrical supply house.
- 4-2. Orient the outlet box so that both the inner and outer holes in the box align with the joist or support brace.
- 4-3. Drill pilot holes no larger than the minor diameter of the wood screws (5/64") through the inner holes of the outlet box.
- 4-4. Attach the outlet box directly to the support brace or joist with two #8 x 1-1/2" wood screws and washers. The bottom of the outlet box must be recessed a minimum of 1/16" into the ceiling.

# Step 5 - Prepare the Wiring

- 5-1. Make sure the circuit breakers to the fan supply line leads and associated wall switch location are turned off. If you cannot lock the circuit breakers in the off position, securely fasten a prominent warning device, such as a tag, to the service panel.
- 5-2. Thread the fan supply line through the outlet box so that the fan supply line extends at least 6" beyond the box.
- 5-3. Attach the fan supply line to the outlet box with an approved connector, available at any hardware store or electrical supply house.
- 5-4. Make certain the wiring meets all national and local standards and ANSI/NFPA 70.

You have now successfully prepared your ceiling fan site. For instructions to install your ceiling fan, go to your fan manual and continue with Section 2 • Installing the Ceiling Plate.

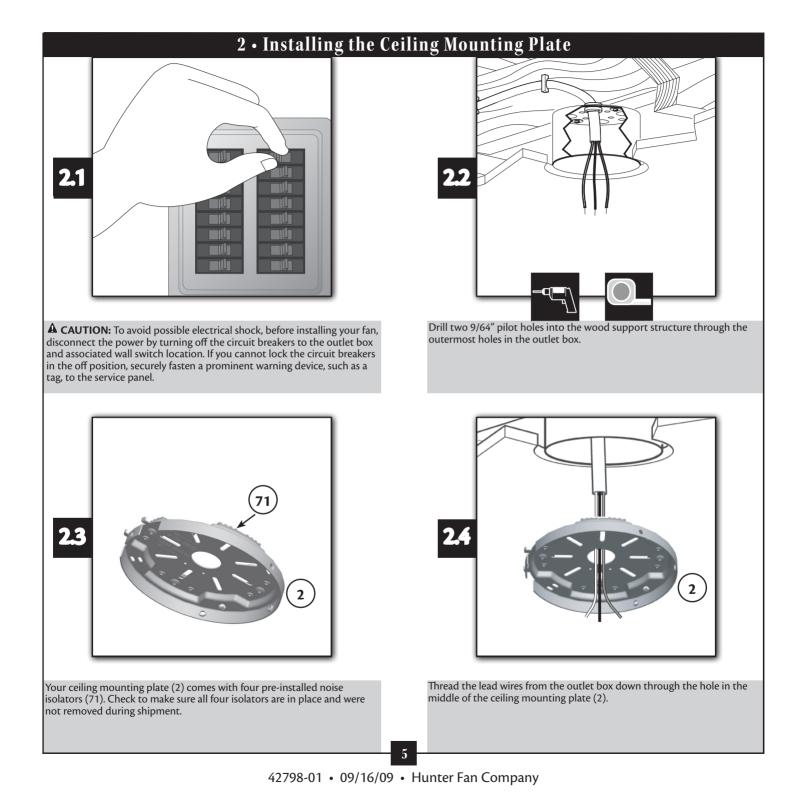


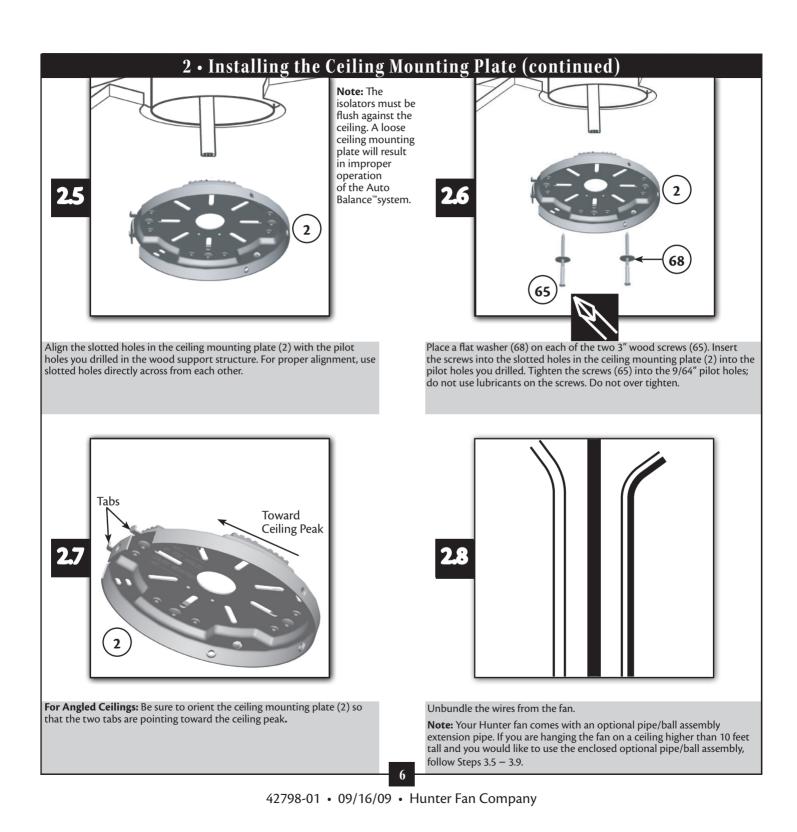


# Step 5

**A** CAUTION: All wiring must be in accordance with national and local electrical codes and ANSI/NFPA 70. If you are unfamiliar with wiring, use a qualified electrician.

# 42798-01 • 09/16/09 • Hunter Fan Company



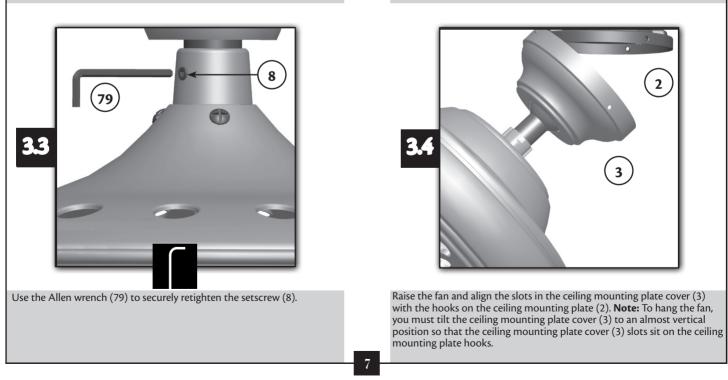




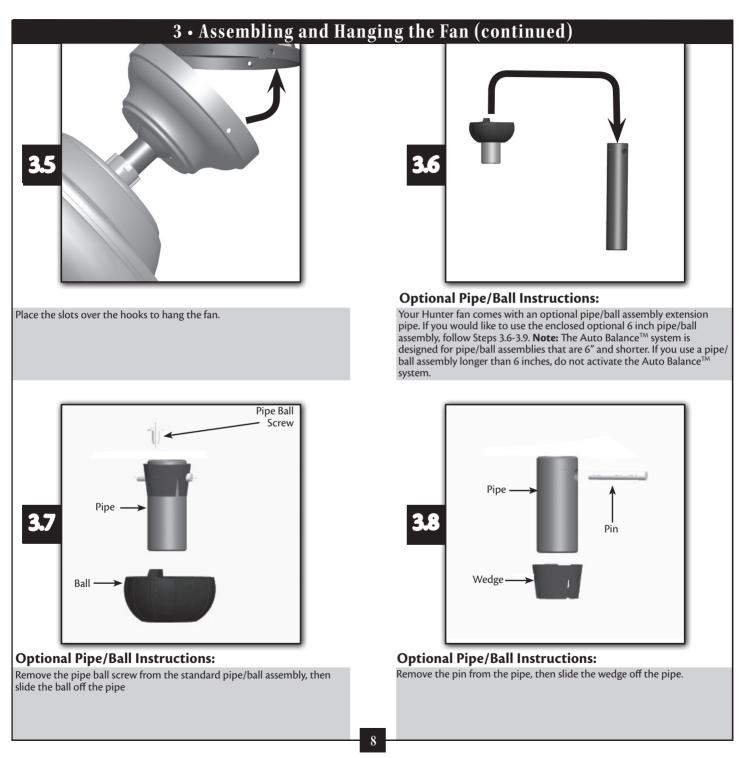
3 • Assembling and Hanging the Fan A CAUTION: 7 The motor cover adapter has a special coating on the threads. Do not remove 3 7 this coating; the coating prevents the pipe/ball 3.1 3.2 assembly from unscrewing. Once assembled, do not 4 3 remove the pipe/ ball assembly. 79 Insert the pipe/ball assembly (7) through the ceiling mounting plate cover Using the provided Allen wrench (79), loosen the setscrew (8) on the motor cover adapter to install the pipe and ball assembly (7). When the (3) and ceiling mounting plate cover trim ring (4). Feed the wires from the pipe and ball assembly (7) is fully installed, 2-3 threads on the pipe will still fan through the pipe/ball assembly (7). be visible: this is normal.

۲

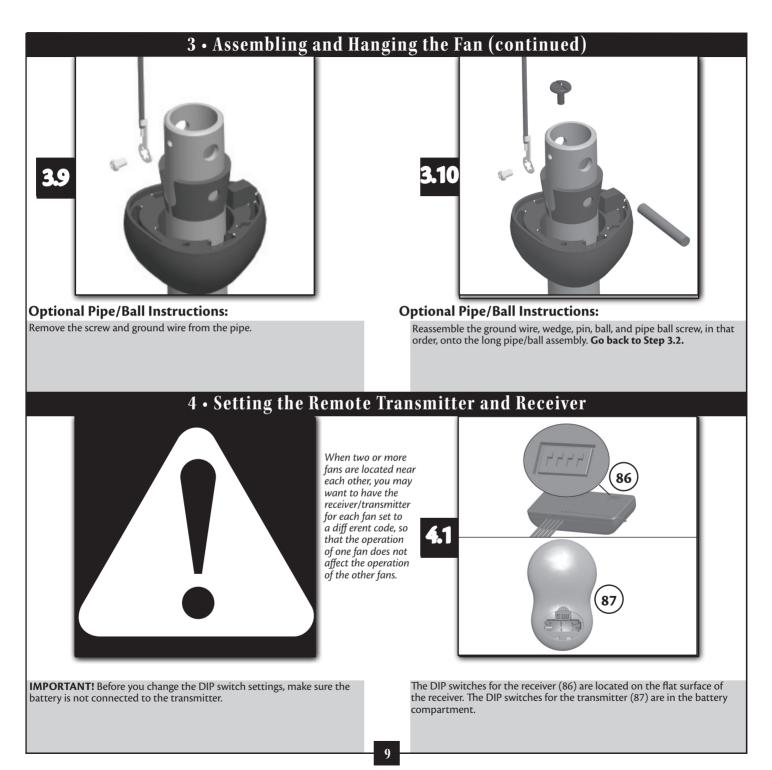
۲



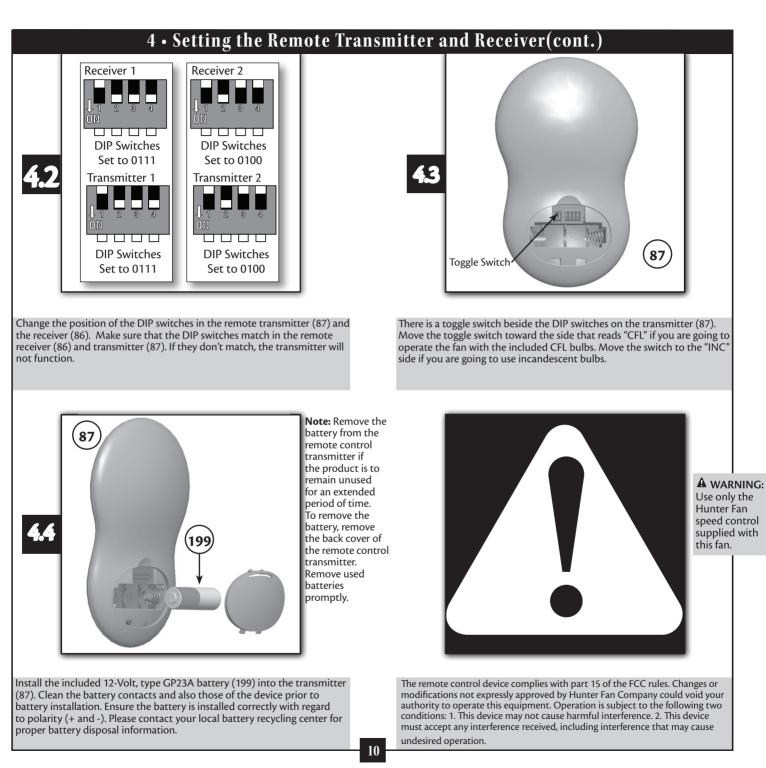
<sup>42798-01 • 09/16/09 •</sup> Hunter Fan Company



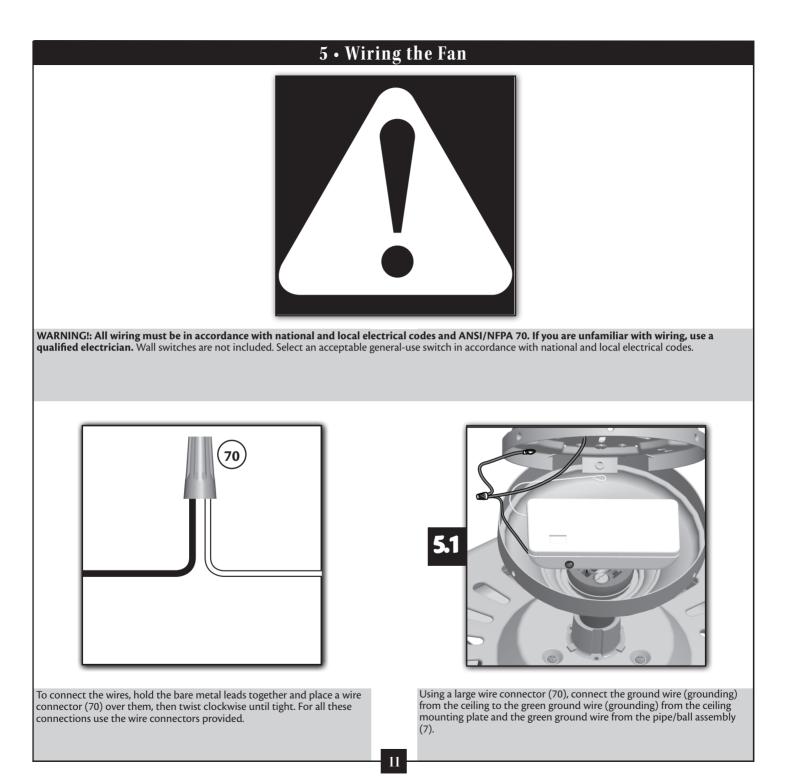
42798-01 • 09/16/09 • Hunter Fan Company



 $( \bullet )$ 



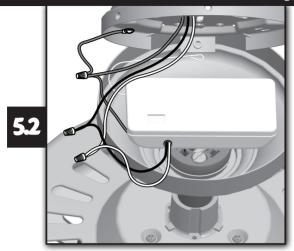
( )



42798-01 • 09/16/09 • Hunter Fan Company

# 5 • Wiring the Fan

0

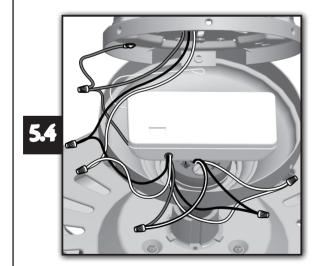


Using the large wire connectors (70), connect the white wire and the black wire from the ceiling as follows:

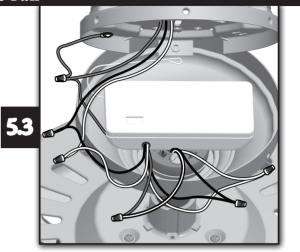
The white (common) power wire from the ceiling to the white wire from the receiver (marked on red tag "NEUTRAL IN")

The black power wire from the ceiling to the black wire from the receiver (marked on red tag "LIVE  $\mbox{IN}")$ 

( )



Using the small wire connectors (70), connect the wire from the fan as follows: • The white wire from the fan to the white wire from the receiver (marked on white tag "COMMON OUT")



Using the small wire connectors (70), connect the wires from the fan as follows:

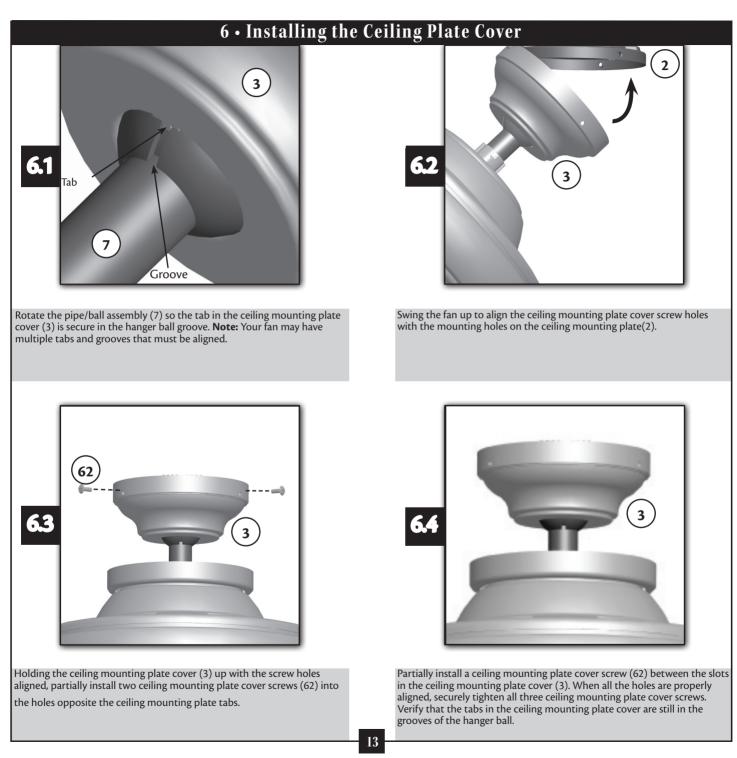
- The black wire with a white stripe from the fan to the red wire from the receiver (marked on white tag "LIGHT OUT")
- The black wire from the fan to the black wire from the receiver (marked on white tag "FAN OUT")

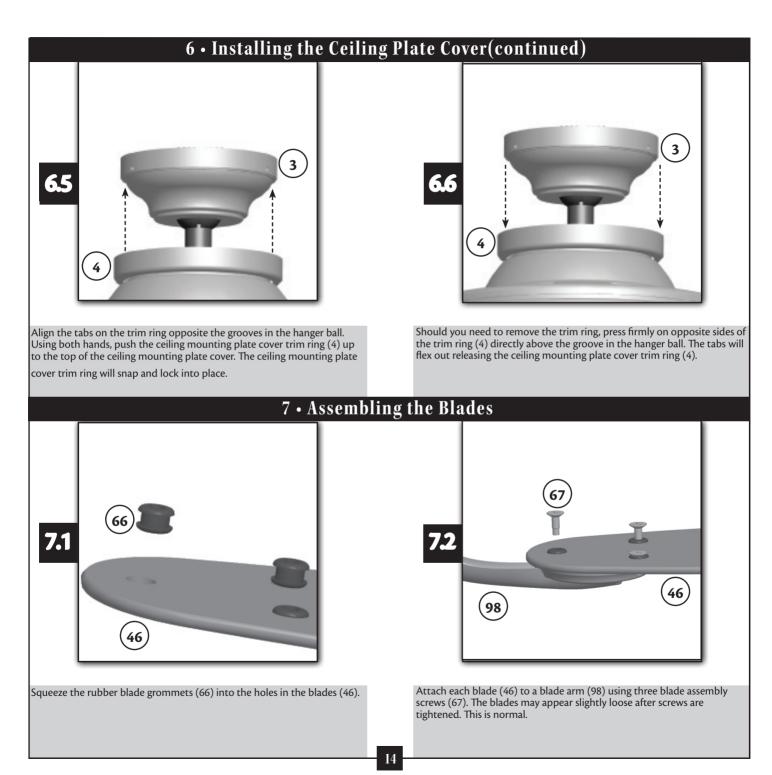


WARNING! - Be sure no bare wire or wire strands are visible after making connections. ۲

Push all wires and wire connectors (70), except for the white antenna wire from the receiver (86), back through the ceiling mounting plate (2) into the outlet box. Position the receiver (86) in the ceiling mounting plate cover so that the antenna is close to the edge for clear reception.

## 42798-01 • 09/16/09 • Hunter Fan Company



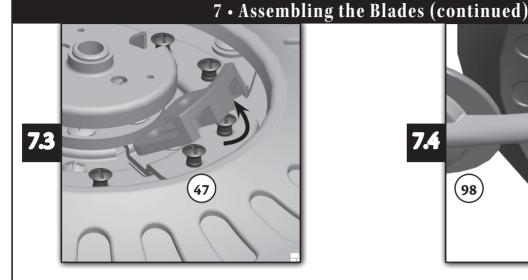


۲

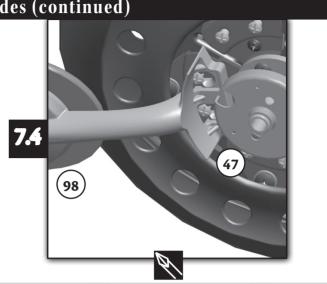
42798-01 • 09/16/09 • Hunter Fan Company

۲

•

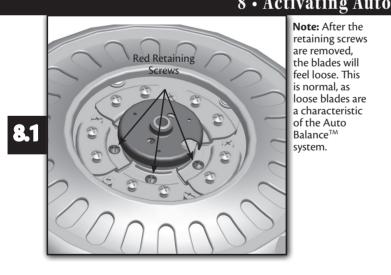


Loosen (DO NOT REMOVE) the blade-to-arm screws (47) that are holding the shipping bumpers in place. Push the shipping bumpers in, then lift them off.



Slide the blade arms (98) onto the blade-to-arm screws (47). Tighten the blade-to-arm screws (47) as tight as possible with a screwdriver.

۲



If you are using one of the enclosed pipe/ball assemblies, it is now time for you to activate the Auto Balance<sup>™</sup> system by removing the five red retaining screws. Rotate the blades slowly until one of the red retaining screws is visible through the notch in the mounting plate. Remove the retaining screw from the bottom of the fan housing using a screwdriver. Repeat this process for all 5 retaining screws.

# 8 • Activating Auto Balance<sup>TM</sup>

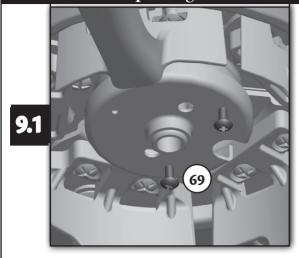
8.2

If you are using a pipe/ball assembly longer than 6 inches, leave the retaining screws in their place and continue the installation process.

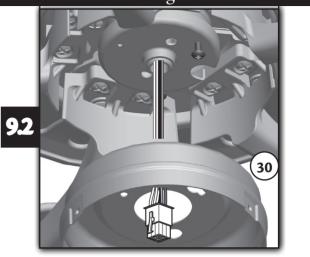
42798-01 • 09/16/09 • Hunter Fan Company

9 • Completing Your Installation With or Without a Bowl Light Fixture

۲

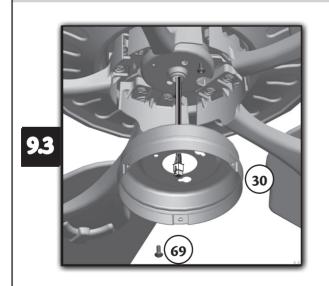


Partially install inner switch housing screws (69) into the switch housing mounting plate.



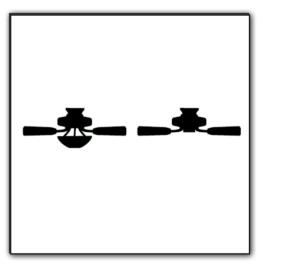
Feed the upper plug connector through the center opening of the upper switch housing (30).

۲



Align the keyhole slots in the upper switch housing with the inner switch housing screws (69). Turn the housing counterclockwise until the inner switch housing screws (69) are firmly situated in the narrow end of the keyhole slots. Install the remaining screw into the housing. Tighten all

three screws firmly.

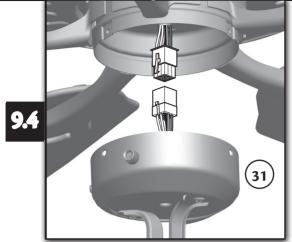


Your Hunter fan comes with an integrated light fixture assembly and an optional switch housing cap and plug button. This feature gives you the option of installing the fan with OR without the included light fixture. **If you want to install the light fixture**, proceed with Step 9.4 now. **If you do not want to install the light fixture**, you need to remove it now. See "Removing the Light Fixture" on Step 9.10 Once you have removed the light fixture, continue with Step 9.4.

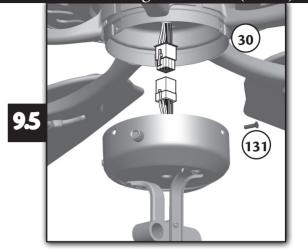
42798-01 • 09/16/09 • Hunter Fan Company

16

# 9 • Completing Your Installation With or Without a Bowl Light Fixture (cont.)



Note: Both plug connectors are polarized and will only fit together one way. Make sure the connectors are properly aligned before connecting them. Incorrect connection could cause improper operation and damage to the product.



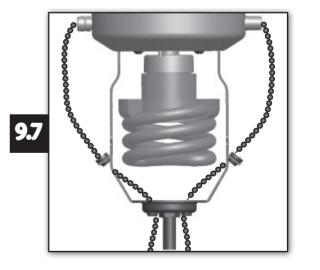
Place the lower switch housing assembly (31) over the upper switch housing (30). Align the side screw holes in the upper and lower switch housings. Attach the lower switch housing to the upper switch housing with three outer switch housing screws (131).

۲

Connect the upper plug connector from the fan body to the lower plug connector in the lower switch housing assembly (31).

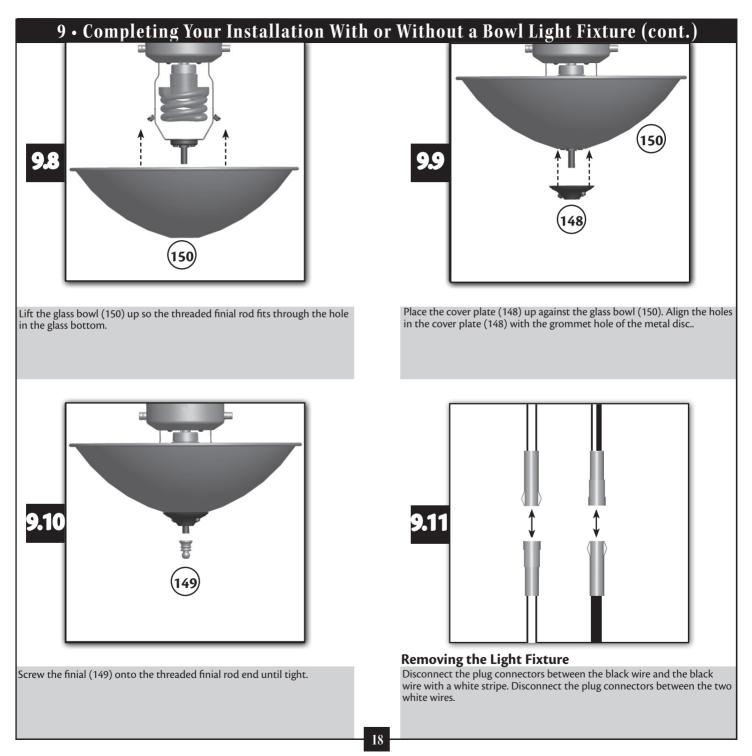


Install the included Pin-Based CFL bulb (259), 26 Watt Maximum, into the socket.



Install the included Pin-Based CFL bulb (259), 26 Watt Maximum, into the socket.

42798-01 • 09/16/09 • Hunter Fan Company



42798-01 • 09/16/09 • Hunter Fan Company

9 • Completing Your Installation With or Without a Bowl Light Fixture (cont.) 0 - 0 **9.1**′ **Removing the Light Fixture Removing the Light Fixture** Unscrew the light bulb socket. Remove the nut and washer from inside the center of the lower switch housing. 0 . 9.13 **Removing the Light Fixture Removing the Light Fixture** Pull the large (male) plug connector through the hole in the center of the lower switch housing. Then, pull out the small (female) connector. Remove the light fixture bracket by removing the 2 screws attaching the bracket to the lower switch housing.

۲

۲

۲

42798-01 • 09/16/09 • Hunter Fan Company

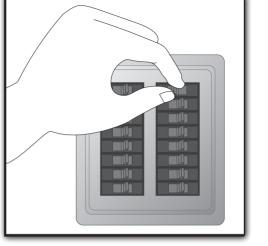
9 • Completing Your Installation With or Without a Bowl Light Fixture (cont.)

# C 9.15

Install the switch housing cap and plug button to the lower switch housing.

**Removing the Light Fixture** 

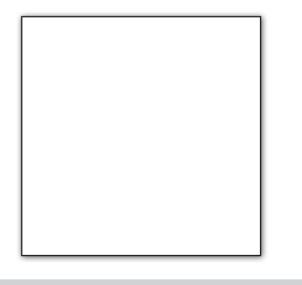
۲



After your installation is complete, restore power to the fan. Wash your hands after installing the fan.



You can mount the remote holder to any toggle switch plate with the screws already in the switch plate. Or, you can simply mount the remote holder on the wall.



۲

# **10** • Operation & Maintenance

#### **Cleaning and Maintenance**

#### Caring for finishes:

For cleaning finishes, use a soft brush or lint-free cloth to prevent scratching. A vacuum cleaner brush nozzle can remove heavier dust. Remove surface smudges or accumulated dirt and dust using a mild detergent and a slightly dampened cloth. You may use an artistic agent, but never abrasive cleaning agents as they will damage the finish.

#### Caring for blades:

۲

**Note:** Be careful to not bend the blades when cleaning. Clean wood finish blades with a furniture polishing cloth. Occasionally, apply a light coat of furniture polish for added protection and beauty. Clean painted and high-gloss blades in the same manner as the fan finish.

If you need parts or service assistance, please call 888-830-1326 or visit us at our Web site at http://www.hunterfan.com.

Hunter Fan Company 7130 Goodlett Farms Parkway #400 Memphis, Tennessee 38016

#### **Airflow Direction**

Ceiling fans work best by blowing air downward (counterclockwise blade rotation) in warm weather to cool the room with a direct breeze. In winter, having the fan draw air upward (clockwise blade rotation) will distribute the warmer air trapped at the ceiling around the room without causing a draft.





Winter Upward Airflow Clockwise

Summer Downward Airflow Counterclockwise



# **10 · Operation & Maintenance**

#### Operation

#### The fan pull chain controls power to the fan.

- The pull chain has four settings in sequence: High, Medium, Low, and Off.
- Pull the chain slowly to change settings.
- Release slowly to prevent the chain from recoiling into the blades.
- The chain uses a breakaway connector that separates if the chain is jerked. If this happens, simply reinsert the chain into the connector.
- The light pull chain controls the power to the light fixture.
- The chain has two settings: ON and OFF.

#### Troubleshooting

#### Problem: Nothing happens; fan does not move.

- Turn power on, replace fuse, or reset breaker.
- Loosen canopy, check all connections according to the wiring the fan section.
- Check the plug connection in the switch housing.
- Push motor reversing switch fi rmly left or right to ensure that the switch is engaged.
- Pull the pull chain to ensure it is on.
- Remove the shipping bumpers.

#### Problem: Noisy operation

( )

- Tighten the blade assembly screws and blade iron armature screws until snug.
- Check to see if a blade is cracked. If so, replace all the blades.

#### **Problem: Excessive wobbling**

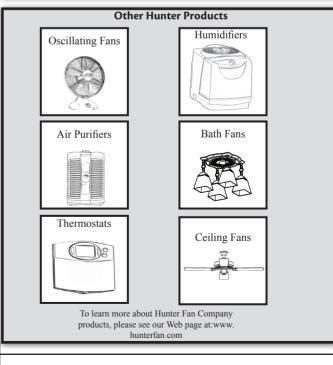
If your fan wobbles when operating, use the enclosed balancing kit and instructions to balance the fan.

Tighten all blade iron screws.

Turn power off , support fan very carefully, and check that the hanger ball is properly seated.

If you have tried these troubleshooting solutions and still have trouble, visit our Web site at: http://www.hunterfan.com.

Hunter Fan Company 7130 Goodlett Farms Parkway #400 Memphis, Tennessee 38016



۲

22 42798-01 • 09/16/09 • Hunter Fan Company