For Your Records and Warranty Assistance
For reference, also attach your receipt or a copy of your receipt to the manual.

_____
Model Name

_____
Model No.

_____
Catalog No.

_____
Date Purchased

_____
Where Purchased

Form# 42775-01
20100202
©2010 Hunter Fan Co.

Type 2 Models

Owner's Guide and Installation Manual

English

Español

SINCE 1886 Hunter®

Welcome

Your new Hunter® ceiling fan is an addition to your home or office that will provide comfort and performance for many years. This installation and operation manual gives you complete instructions for installing and operating your fan.

We are proud of our work. We appreciate the opportunity to supply you with the best ceiling fan available anywhere in the world.

Before installing your fan, for your records and warranty assistance, record information from the carton and Hunter nameplate label (located on the top of the fan motor housing).

Table Of Contents

Preparing the Fan Site 3

1 • Getting Ready 6

2 • Installing the Ceiling Plate 7

3 • Assembling and Hanging the Fan . . . 8

4 • Wiring the Fan 10

5 • Installing the Canopy and Canopy Trim Ring 11

6 • Assembling the Blades. 12

7 • Activating Perfect Balance™ 13

8 • Completing Your Installation With or Without a Bowl Light Fixture. . . . 14

9 • Operating and Cleaning Your Ceiling Fan 18

10 • Troubleshooting 19

Cautions and Warnings

- **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 fire, electrical shock, or motor damage, do not use a solid-state speed control with this fan. Use only Hunter speed controls.

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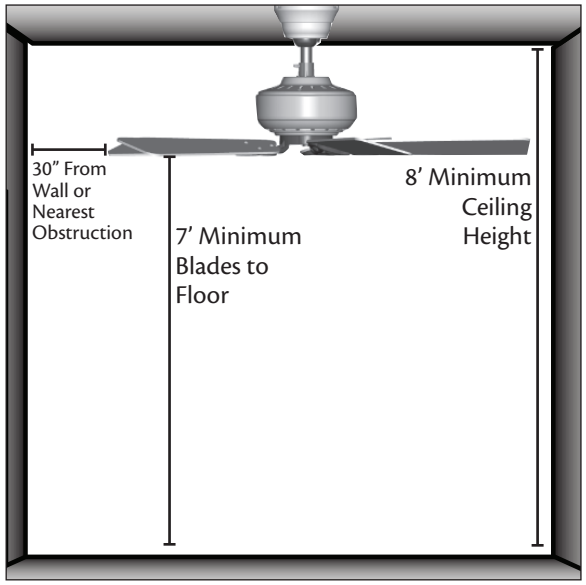
Preparing the Fan Site

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

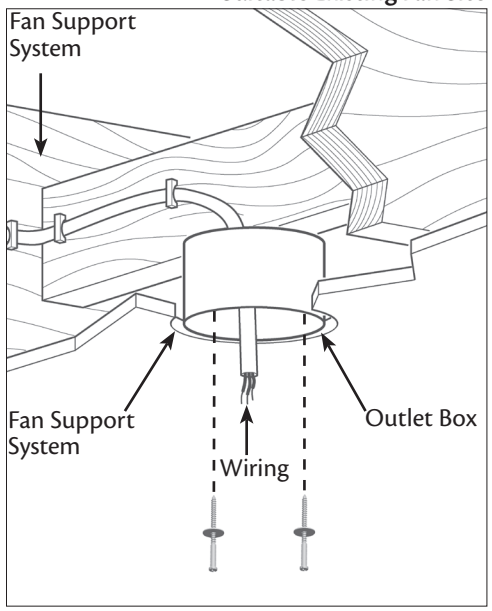
- The outlet box is an UL-approved octagonal 4" x 1-1/2" outlet box (or as specified by the support brace manufacturer).
- The outlet box is secured to the joist or support brace by wood screws and washers through the inner holes of outlet box.
- The outer holes of the outlet box are aligned with joist 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.**

Suitable Existing Fan Site



Preparing the Fan Site (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. Th e bottom of the outlet box must be recessed a minimum of 1/16" into the ceiling.

Step 5 - Prepare the Wiring

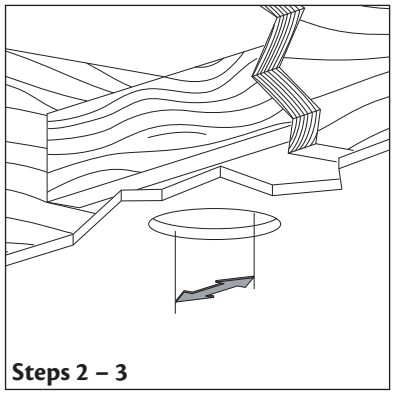
5-1. Make sure the circuit breakers to the fan supply line leads and associated wall switch location are turned off . If you cannot lock the circuit breakers in the off position, securely fasten a prominent warning device, such as a tag, to the service panel.

5-2. Thread the fan supply line through the outlet box so that the fan supply line extends at least 6" beyond the box.

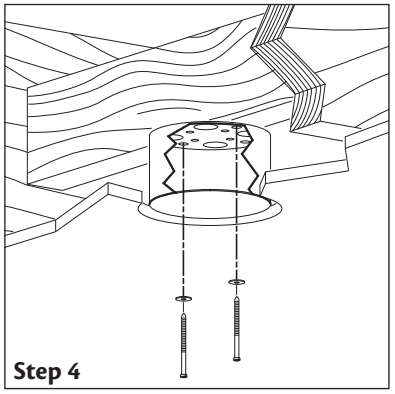
5-3. Attach the fan supply line to the outlet box with an approved connector, available at any hardware store or electrical supply house.

5-4. Make certain the wiring meets all national and local standards and ANSI/NFPA 70.

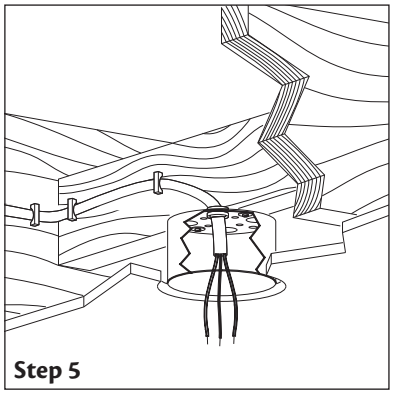
You have now successfully prepared your ceiling fan site. For instructions to install your ceiling fan, go to your fan manual and continue with Section **2 • Installing the Ceiling Plate.**



Steps 2 – 3



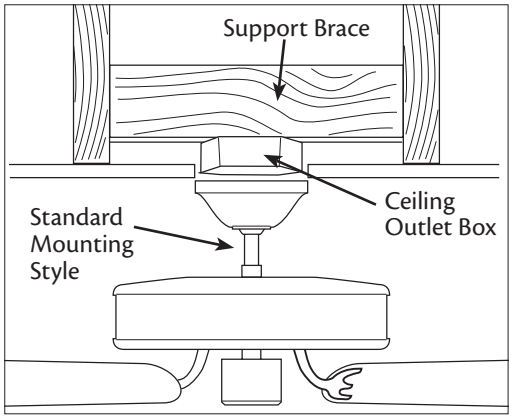
Step 4



Step 5

⚠ **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.

Installer's Choice and Optional Accessories



Standard Mounting hangs from the ceiling by a downrod (included).

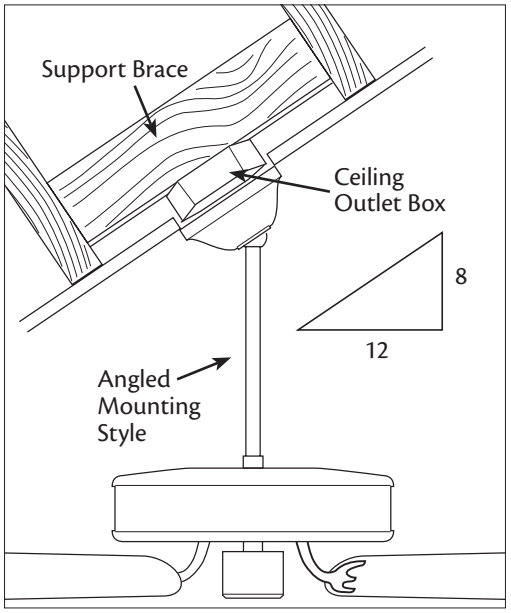
Understanding Mounting and Installer's Choice®

Hunter's patented 3-position mounting system provides you maximum installation flexibility and ease. You can install your Hunter fan in one of three ways, depending on ceiling height and your preference: Low Profile, Standard, or Angled mounting. The steps in this manual include instructions for all three Installer's Choice mounting methods.

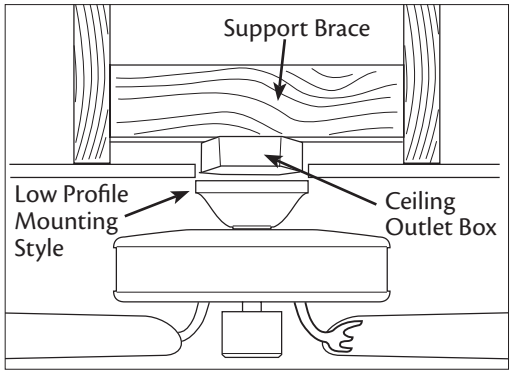
Considering Optional Accessories

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

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.



Angled Mounting recommended for a vaulted or angled ceiling



Low Profile Mounting fits close to the ceiling, recommended for ceilings less than 8 feet high

⚠ **CAUTION:** 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.

1 • Getting Ready

To install a ceiling fan, be sure you can do the following:

- Locate the ceiling joist or other suitable support in ceiling.
- Drill holes for and install wood screws.
- Identify and connect electrical wires.
- Lift 40 pounds.

If you need help installing the fan, your Hunter fan dealer can direct you to a licensed installer or electrician.

Gathering the Tools

You will need the following tools for installing the fan:

- Electric drill with 9/64" bit
- Standard screwdriver (magnetic tip recommended)
- Phillips-head screwdriver (magnetic tip recommended)
- Wrench or pliers
- Ladder (height dependent upon installation site)

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 (In Canada, call 1-866-268-1936).

Preparing the Fan Site

Before you begin installing the fan, follow all the instructions in the pullout sheet called "Preparing the Fan Site." Proper ceiling fan location and attachment to the building structure are essential for safety, reliable operation, maximum efficiency, and energy savings.

Installing Multiple Fans?
If you are installing more than one fan, keep the fan blades and blade irons (if applicable) in sets, as they were shipped.

2 • Installing the Ceiling Plate

⚠ **CAUTION:** 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.

2-1. Drill two pilot holes into the wood support structure through the outermost holes in the outlet box. The pilot holes should be 9/64" in diameter.

2-2. Your fan comes with four noise isolators. Position the isolators between the ceiling plate and ceiling by inserting the raised areas on each isolator into the holes in the ceiling plate.

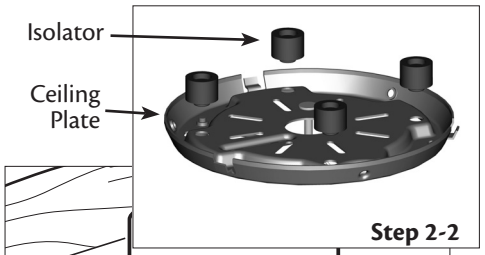
2-3. Thread the lead wires from the outlet box down through the hole in the middle of the ceiling plate.

2-4. Align the slotted holes in the ceiling plate with the pilot holes you drilled in the wood support structure. For proper alignment use slotted holes directly across from each other.

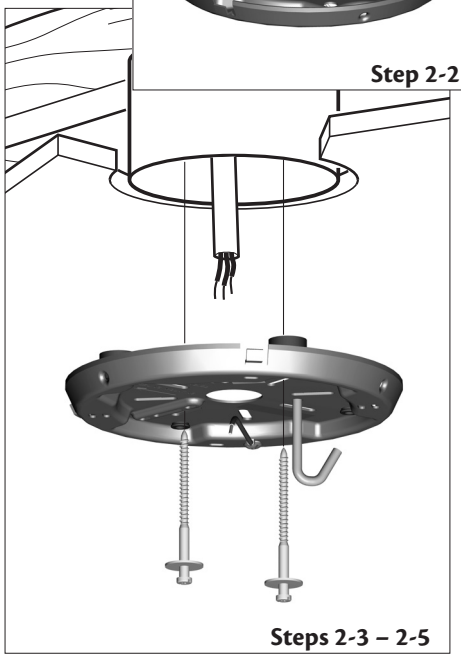
Note: The isolators must be flush against the ceiling. A loose ceiling plate will result in improper operation of the Perfect Balance™ system.

2-5. Place a flat washer on each of the two 3" wood screws and pass the screws through the slotted holes in the ceiling plate into the pilot holes you drilled.

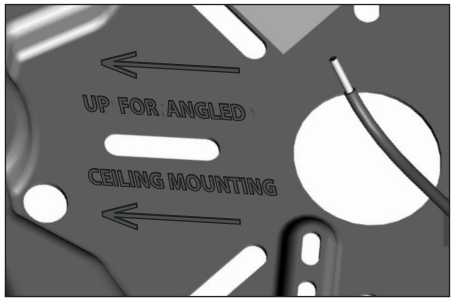
Tighten the screws into the 9/64" pilot holes; do not use lubricants on the screws. Do not over tighten.



Step 2-2



Steps 2-3 – 2-5



For Angled Ceilings: Be sure to orient the ceiling plate so that the arrows printed on the ceiling plate are pointing toward the ceiling peak.

3 • Assembling and Hanging the Fan

3-1. Unbundle the wires from the fan.

Note: Your Hunter fan comes with an optional downrod extension pipe. If you are hanging the fan on a ceiling higher than 10 feet tall and you would like to use the enclosed optional downrod, follow Steps 3-9 – 3-13 on the next page.

⚠ **WARNING:** Fan may fall if not assembled as directed in these installation instructions.

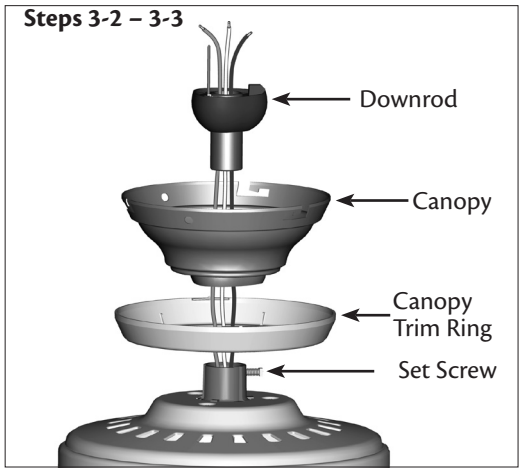
For Standard or Angled mounting:

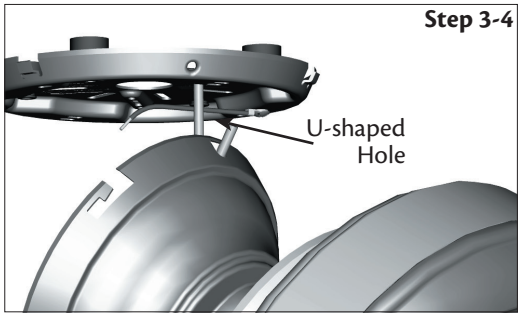
3-2. To assemble fan to hang down from a flat or angled ceiling, insert the downrod through the canopy and canopy trim ring. Feed the wires from the fan through the downrod.

3-3. Loosen the square head set screw on the adapter to install the pipe and ball assembly. **Note:** When the pipe and ball assembly is fully installed, 2-3 threads on the pipe will still be visible; this is normal. Securely retighten the set screw with a wrench or pliers.

⚠ **CAUTION:** The adapter has a special coating on the threads. Do not remove this coating; the coating prevents the downrod from unscrewing. Once assembled, do not remove the downrod.

3-4. Raise the fan and place the hook on the ceiling plate through the U-shaped hole in the rim.





3 • Assembling and Hanging the Fan

For Low Profile mounting:

Note: For low profile mounting, the downrod is replaced with the low profile washer.

3-5. Remove the set screw from the adapter.

3-6. Place the low profile washer (lip up) into the canopy. Be sure the green ground wire is pointing up toward the ceiling.

3-7. Align the holes in the washer with the holes in the adapter. Assemble securely with three low profile screws.

3-8. Raise the fan and place the hook on the ceiling plate through the U-shaped hole in the rim.

Optional Downrod Instructions:

Your Hunter fan comes with an optional downrod extension pipe. If you would like to use the enclosed optional 6 inch downrod, follow the steps below.

Note: The Perfect Balance™ system is designed for downrods that are 6" and shorter. If you use a downrod longer than 6 inches, do not remove the red retaining screws.

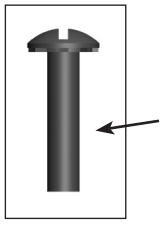
3-9. Remove the pipe ball screw from the standard downrod, then slide the ball off the pipe.

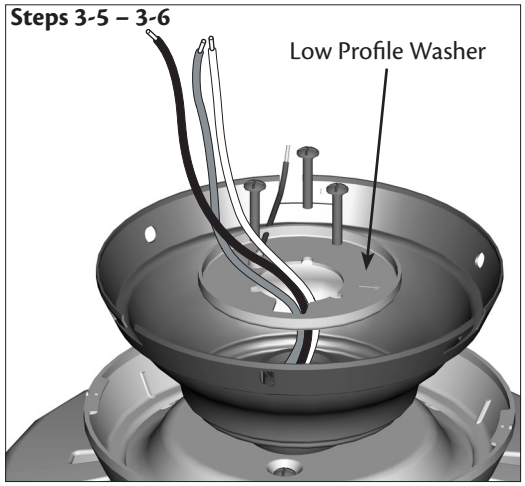
3-10. Remove the pin from the pipe, then slide the wedge off the pipe.

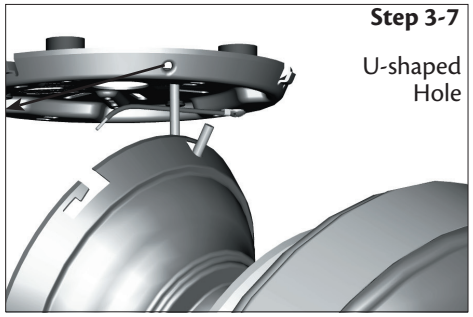
3-11. Remove the screw and ground wire from the pipe.

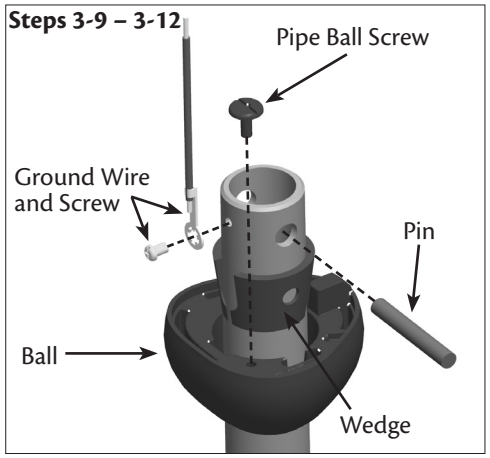
3-12. Reassemble the ground wire, wedge, pin, ball, and pipe ball screw, in that order, onto the long downrod.

3-13. **Go back to Step 3-2.**









4 • Wiring the Fan

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.

Wall switches are not included. Select an acceptable general-use switch in accordance with national and local electrical codes.

4-1. Before attempting installation, make sure the power is still off.

4-2. To connect the wires, hold the bare metal leads together and place a wire connector over them, then twist clockwise until tight. For all these connections use the wire connectors provided.

4-3. Connect the bare or green ground wire (grounding) from the ceiling to the green ground wire (grounding) from the ceiling plate and the green ground wire (grounding) from the fan or the green ground wire present on the low profile washer.

4-4. Connect the white wire (grounded) from the ceiling to the white wire (grounded) from the fan.

4-5. Connect the remaining wires as follows:

Dual Switch Wiring:

- The black wire (ungrounded) from the ceiling to the black wire (ungrounded) from the fan
- The black/white wire for the light (ungrounded) from the fan to the wire (ungrounded) for the wall switch

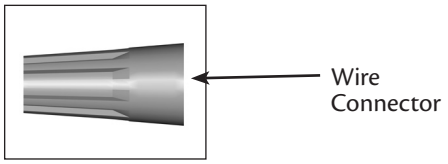
Single Switch Wiring:

- The black wire (ungrounded) from the ceiling to the black (ungrounded) and the black/white wire (ungrounded) from the fan

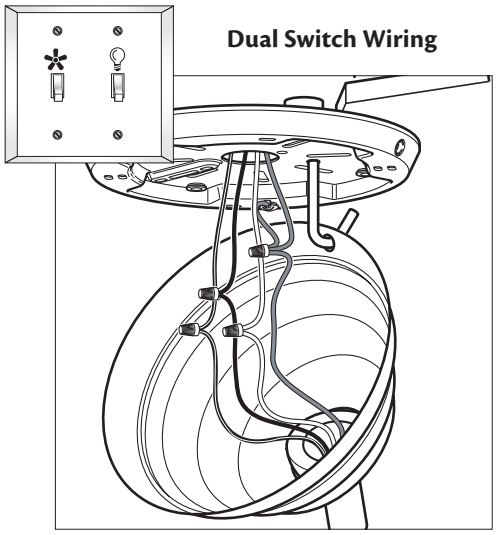
⚠ **CAUTION:** Be sure no bare wires or wire strands are visible after making connections.

4-6. Turn the splices upward and push them carefully back through the ceiling plate into the outlet box.

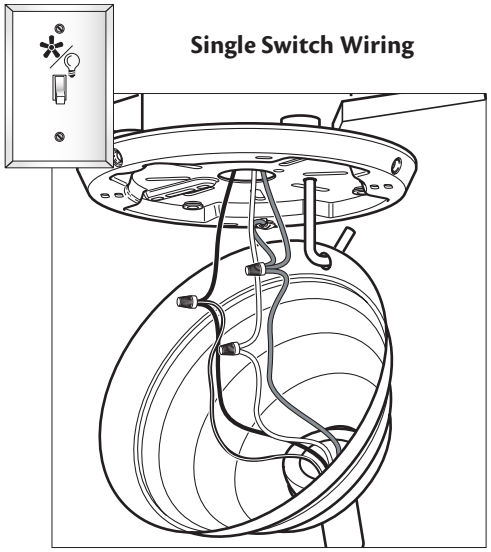
4-7. Spread the wires apart, with the grounded wires on one side of the outlet box and the ungrounded wires on the other side of the outlet box.



Dual Switch Wiring



Single Switch Wiring



5 • Installing the Canopy and Canopy Trim Ring

5-1. Holding the canopy, raise the fan off the hook.

5-2. Align the slots in the canopy with the tabs on the ceiling plate.

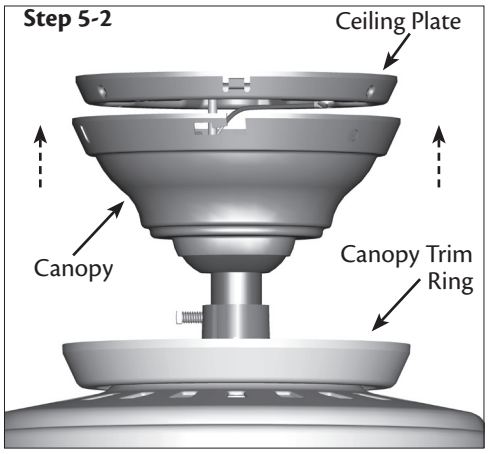
5-3. Raise the canopy over the ceiling plate. Rotate the canopy clockwise until the tabs on the ceiling plate totally engage with the slots in the canopy.

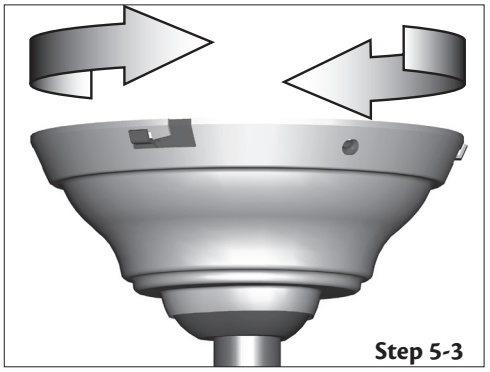
5-4. Partially install the three canopy screws into the canopy one at a time. Once all three screws are in, tighten them.

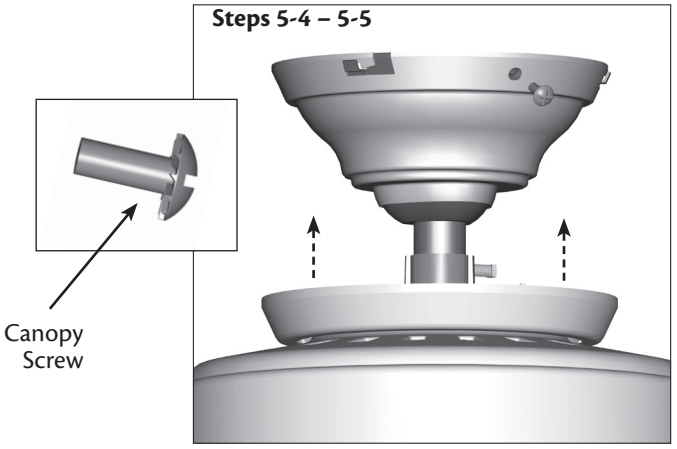
5-5. Using both hands, push the canopy trim ring up to the top of the canopy. The canopy trim ring will snap and lock into place.

Should you need to remove the canopy trim ring, follow these steps:

1. Locate the tab indicators, small bumps on top of tabs.
2. Press firmly on opposite sides of the ring toward the canopy. The tabs will flex out releasing the trim ring from the canopy.







6 • Assembling the Blades

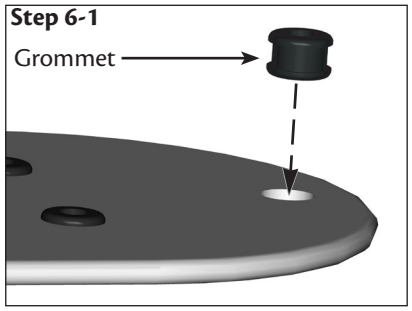
6-1. Your fan may include blade grommets. If your fan has grommets, insert them by hand into the holes on the blades.

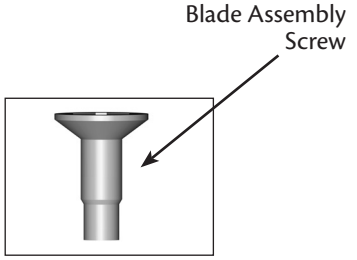
6-2. Attach each blade to a blade iron using three blade assembly screws. If you used grommets, the blades may appear slightly loose after screws are tightened. This is normal.

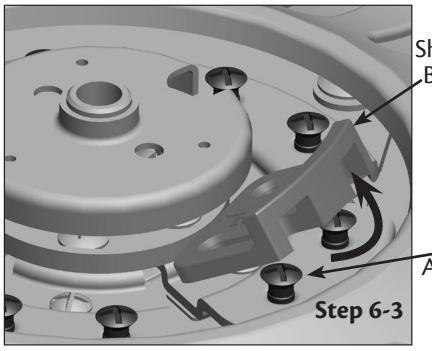
6-3. Loosen the blade iron armature screws that are holding the shipping bumpers in place. Push the shipping bumpers in, then lift them off.

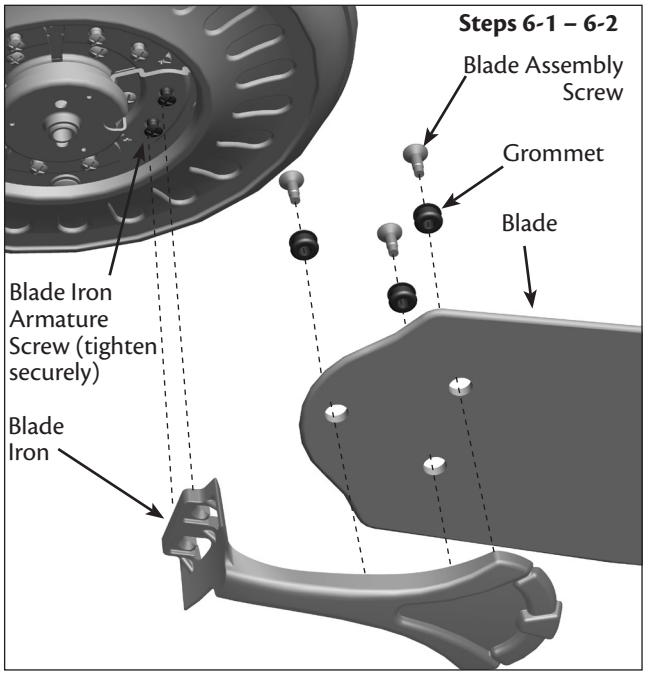
6-4. Slide the blade irons onto the blade iron armature screws. Tighten the blade iron armature screws as tight as possible with a screwdriver.

Note: The blades on this fan have been treated with Hunter's Dust Armor protection, making the blades less likely to attract dust and dirt. Use a dry or slightly damp lint free cloth to clean the blades. Do not use a furniture polish or any other cleaners that leave any residue, as they will damage the protective Dust Armor on the blades.









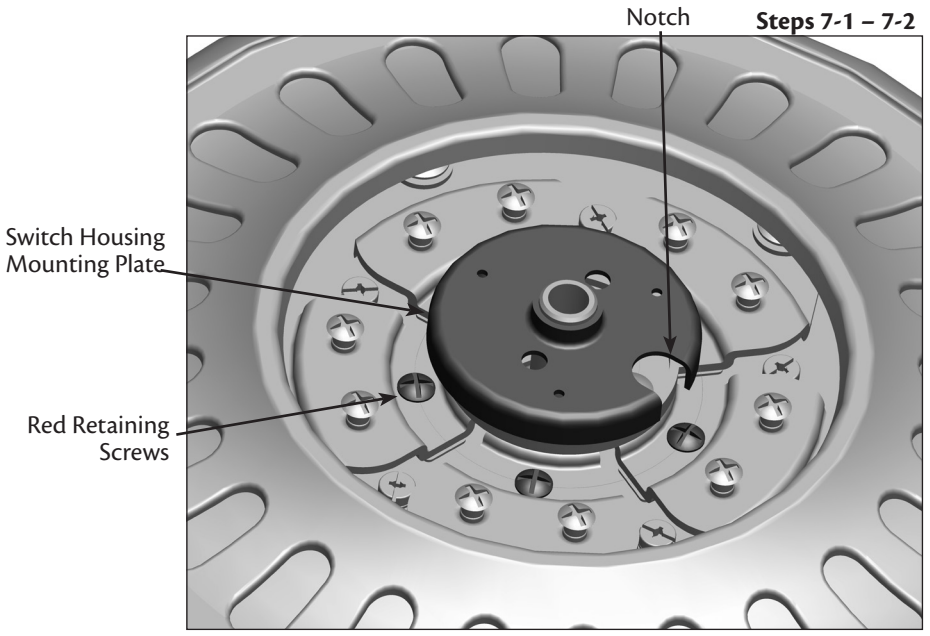
7 • Activating Perfect Balance™

7-1. **If you are using one of the enclosed downrods**, it is now time for you to activate the Perfect Balance™ 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.

Note: After the retaining screws are removed, the blades will feel loose. This is normal, as loose blades are a characteristic of the Perfect Balance™ system.

7-2. **If you are using a downrod longer than 6 inches**, leave the retaining screws in their place and continue the installation process.

Steps 7-1 – 7-2



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

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. The steps below direct you whether or not you are installing a light fixture.

Note: This fan is to be installed ONLY with the enclosed light kit. Use of another light kit will result in improper performance of the fan and will void the warranty.

⚠ **WARNING:** Use only the light fixture supplied with this fan model.

8-1. To attach the upper switch housing, partially install two housing assembly screws into the switch housing mounting plate.

8-2. Feed the upper plug connector through the center opening of the housing.

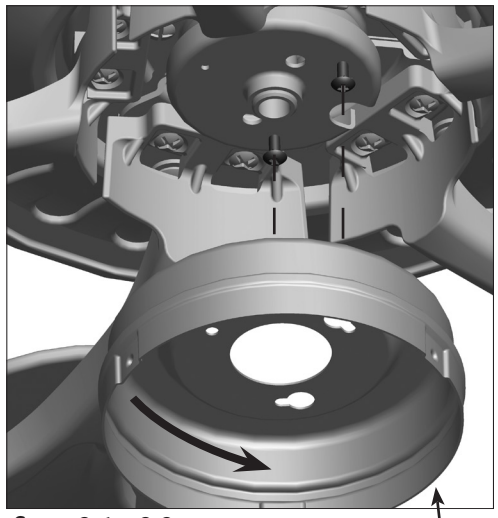
8-3. Align the keyhole slots in the housing with the housing assembly screws.

8-4. Turn the housing counterclockwise until the housing assembly screws are firmly situated in the narrow end of the keyhole slots. Install the remaining screw into the housing. Tighten all three screws firmly.

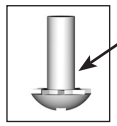
⚠ **CAUTION:** Make sure the upper switch housing is securely attached to the switch housing mounting plate. Failure to properly attach and tighten all three assembly screws could result in the switch housing and light fixture falling.

8-5. **If you want to install the light fixture**, proceed with Step 8-6 now.

If you do not want to install the light fixture, you need to uninstall it now. See "Uninstalling the Light Fixture" on Step 8-14. Once you have uninstalled the light fixture, continue with Step 8-6.



Steps 8-1 – 8-3

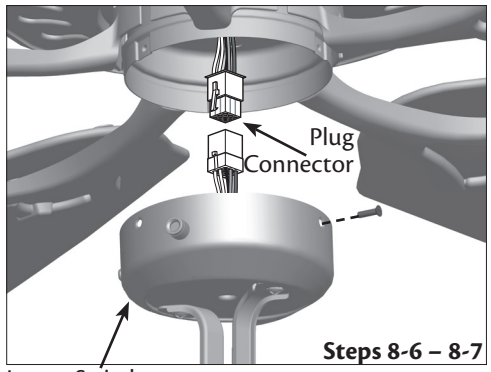


8 • Completing Your Installation With or Without a Bowl Light Fixture (Continued)

8-6. To attach the lower switch housing, connect the upper plug connector from the motor to the lower plug connector in the lower switch housing assembly.

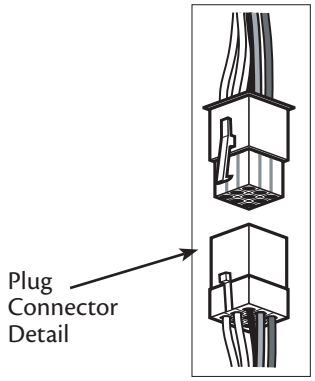
Note: Both plug connectors are polarized and will only fit together one way. Make sure the connectors are properly aligned before connecting them. Incorrect connection could cause improper operation and damage to the product.

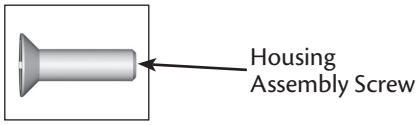
8-7. Place the lower switch housing assembly over the upper switch housing. Align the side screw holes in the upper and lower switch housings. Attach the lower switch housing to the upper switch housing with three housing assembly screws.



Steps 8-6 – 8-7

Note: In compliance with U.S. Federal energy regulations, this ceiling fan contains a wattage saver that restricts the light kit to a maximum of 190 Watts. Exceeding that limit or the specifications on the light sockets may result in fire hazard or improper operation. If lights do not appear to be operating properly, see the troubleshooting section





8 • Completing Your Installation With or Without a Bowl Light Fixture (Continued)

Installing the Glass Bowl

8-8. First install B10 candelabra bulbs (60 Watt Maximum) into the sockets.

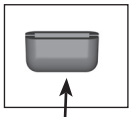
8-9. Thread the light and fan pull chains through the hole in the center of the glass bowl. Then, thread the light pull chain through the hole in the center of the cover plate.

8-10. Thread the fan pull chain through the grommet hole in the side of the cover plate.

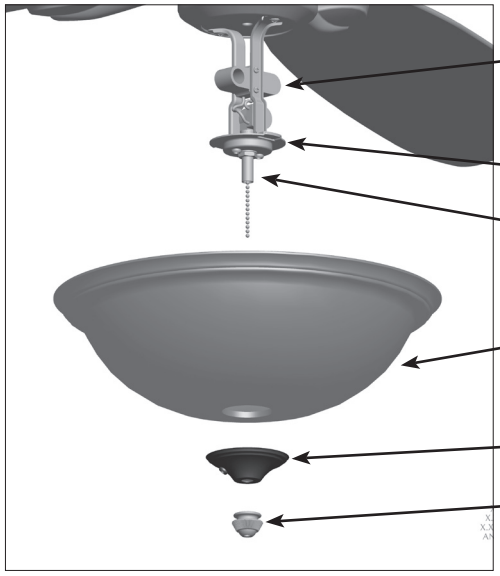
8-11. Place the cover plate up against the glass bowl. Align the holes in the cover plate and glass bowl.

8-12. Thread the light pull chain through the finial and screw the finial onto the threaded rod end until tight.

8-13. Attach the extra pull chains (included) to the light and fan pull chains using the plastic breakaway connector. (You may find the plastic breakaway connector on the end of the extra chain.)



Breakaway Connector



8 • Completing Your Installation With or Without a Bowl Light Fixture (Continued)

Uninstalling the Light Fixture

8-14. To uninstall the light fixture, first disconnect the plug connectors between the black wire and the red wire.

8-15. Disconnect the plug connectors between the two white wires.

8-16. Remove the two screws attaching the light kit to the lower switch housing.

8-17. Remove the light fixture from the lower switch housing, pulling disconnected wires through the hole in the center of the lower switch housing.

Note: When removing the wires, pull the thin plug connector (male) through first, and then pull the other plug connector (female) through the hole.

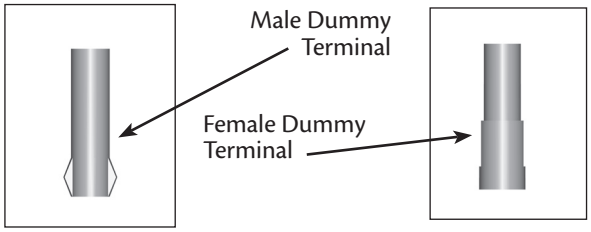
8-18. Install the dummy terminals (included in the sack parts) on the two disconnected wires in the lower switch housing.

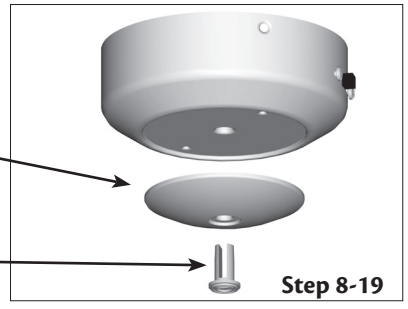
8-19. Install the switch housing cap and plug button to the lower switch housing.

8-20. Once you have uninstalled the light fixture, continue with step 8-6.



Step 8-16





Step 8-19

9 • Operating and Cleaning Your Ceiling Fan

9-1. Turn on electrical power to the fan.

9-2. The first time the fan is turned on, let it run continuously and undisturbed for 10-15 minutes. The fan may wobble at first, but then the Perfect Balance™ mechanism will take control and balance out the fan.

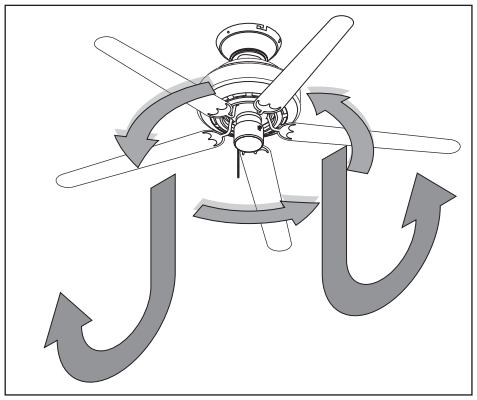
Note: The first time the fan is turned on, the components might make a slight noise as they come in contact with each other. This sound is normal and will stop within moments.

9-3. 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.

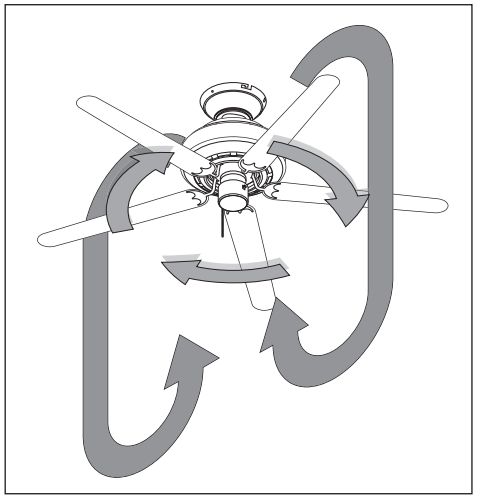
9-4. Ceiling fans work best by blowing air downward (counterclockwise blade rotation) in warm weather to cool the room with a direct breeze. In winter, having the fan draw air upward (clockwise blade rotation) will distribute the warmer air trapped at the ceiling around the room without causing a draft.

9-5. 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.

9-6. The blades on this fan have been treated with Hunter's Dust Armor protection, making the blades less likely to attract dust and dirt. Use a dry or slightly damp lint free cloth to clean the blades. Do not use a furniture polish or any other cleaners that leave any residue, as they will damage the protective Dust Armor on the blades.



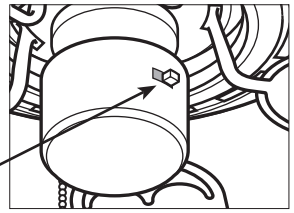
In warm weather, use downward air flow pattern



In cold weather, use upward air flow pattern

To Change Airflow Direction

Turn the fan off and let it come to a complete stop. Slide the reversing switch on the fan to the opposite position. Restart fan.



10 • Troubleshooting

Problem: Nothing happens; fan does not move.

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

Problem: Noisy operation.

1. Tighten the blade bracket screws until snug.
2. Check to see if the blade is cracked. If so, replace all the blades.

Problem: Excessive wobbling.

1. If it appears the blades have become imbalanced, run your fan on high speed for approximately 15 minutes. Then, operate as normal.
2. If your fan wobbles when operating, use the enclosed balancing kit and instructions to balance the fan.
3. Tighten all blade iron screws.
4. Turn power off, support fan very carefully, and check that the hanger ball is properly seated.

In compliance with U.S. Federal regulations, this ceiling fan contains a wattage saver that limits the light output to 190 Watts. The following issues may arise if total wattage exceeds 190 Watts:

Issue: Lights dim when turned on.

1. It is normal for the lights to dim a couple of seconds after they are turned on. To prevent the lights from dimming, make sure the wattage of light bulbs installed match the specifications on the light sockets.

Issue: Light shuts off suddenly.

1. Turn the power to the fan off at the wall switch. Wait 30 seconds, then resume power to the fan.
2. If lights shut off suddenly again, check to make sure total wattage of bulbs does not exceed 190 Watts.

If you need parts or service assistance, please call 888-830-1326 (In Canada, call 1-866-268-1936) or visit us at our Web site at http://www.hunterfan.com.

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