54" Ceiling Fan Owner's Manual

CF444

USE AND CARE GUIDE

Table of Contents

READ AND SAVE THESE INSTRUCTIONS

Safety Instructions

⚠ WARNING

TO REDUCE THE RISK OF FIRE, ELECTRICAL SHOCK, OR INJURY TO PERSONS, OBSERVE THE FOLLOWING:

a. Use this unit only in a manner intended by the manufacturer. If you have questions, contact the manufacturer.

b. Before servicing or cleaning unit, switch power off at service panel and lock service panel disconnecting means to prevent power from being switched on accidentally. When the service disconnecting means cannot be locked, securely fasten a warning device, such as a tag, to the service panel.

1. Read your owner's manual carefully and keep it for future reference.
2. Be careful of the fan and blades when cleaning, painting, or working near the fan. Always turn off the power to the ceiling fan before servicing.
3. Do not put anything into the fan blades while they are turning.
4. Do not operate reversing switch until fan blades have come to a complete stop.

Additional Safety Instructions for Installation

1. To avoid possible shock, be sure electricity is turned off at the fuse box before wiring, and do not operate fan without blades.
2. All wiring must be in accordance with the National Electrical Code "ANSI/NFPA 70-2017" and Local Electrical Codes. Use the National Electrical Code if Local Codes do not exist. The ceiling fan must be grounded as a precaution against possible electrical shock. Electrical installation should be made or approved by a licensed electrician.
3. The outlet box and joist must be securely mounted and capable of reliably supporting at least 50 pounds.

Use only U.L. outlet boxes listed as "Acceptable for Fan Support of 22.7 kg. (50 lbs.) or less", and use the mounting screws provided with the outlet box. Most outlet boxes commonly used for support of light fixtures are not acceptable for fan support and may need to be replaced. Consult a qualified electrician if in doubt.

4. The downrod furnished with the fan provides the minimum recommended floor to fan blade clearance for an 8 foot ceiling.

⚠ CAUTION

To reduce the risk of injury, install the fan so that the blades are at least 7 ft. (2.1m) above the floor.

5. Follow the recommended instructions for the proper method of wiring your ceiling fan. If you do not know enough about electrical wiring, have your fan installed by a licensed electrician.

NOTE: This fan is suitable for use with solid-state speed controls.

NOTE: All set screws must be checked and re-tightened where necessary before installation.

⚠ WARNING

To reduce the risk of electrical shock, this fan must be installed with an isolating wall control/switch.

To reduce the risk of fire or electrical shock, this fan should only be used with fan speed control, Model No. UC7067RA, manufactured by Rhine Electric Co., Ltd.

To avoid fire, shock or injury, do not use any other brand of control not specifically approved for this fan.

This product is designed to use only those parts supplied with this product and/or any accessories designated specifically for use this product. Substitution of parts or accessories not designated for use with this product could result in personal injury or property damage.

To reduce the risk of personal injury, do not bend the blades during installation, balancing the blades or cleaning the fan. Do not insert foreign objects in between rotating fan blades.

1. Unpacking Instructions

⚠ WARNING

Do not install or use fan if any part is damaged or missing.

⚠ WARNING

This product is designed to use only those parts supplied with this product and/or any accessories designated specifically for use with this product.

1.1

Open Carton containing the Fan. Remove top half of styrofoam unit. Remove Parts and check to see that you have received the following Hardware and Parts:

NOTE: If you are uncertain of part description, refer to exploded view illustration.

NOTE: Place the parts from the loose parts bags in a small container to keep them from being lost. If any parts are missing, contact your local retailer or catalog outlet for replacement before proceeding.

HARDWARE CONTENTS

Part	Description	Quantity
1	Wire Connectors, 12 ga.	5
2	Clevis Pin	1
3	Hairpin Clip	1
4	Threaded Studs, #8-32 x 1-1/4"	2
5	Lockwashers, External Tooth #8	2
6	Knurled Knobs, #8-32	2
7	#6-32 x 8 mm Flat Head Screws	5
8	#8-32 x 11 mm Washer Head Blade Screws	13
9	#6-32 x 1/4" Pan Head Screws with Lockwashers	4
10	#6-32 x 3/8" Pan Head Screw with Lockwasher (spare)	1
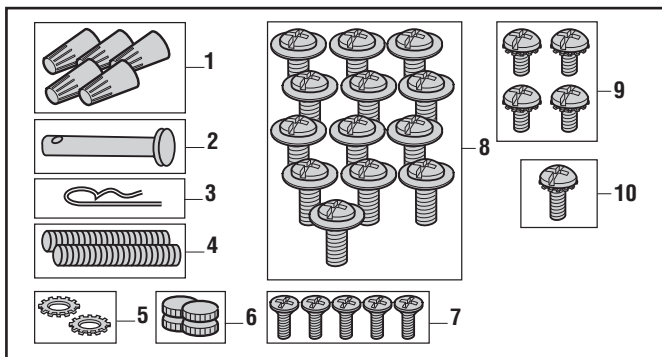
PACKAGE CONTENTS

Part	Description	Quantity
A	Fan Motor Assembly	1
B	Ceiling Cover	1
C	Coupler Cover	1
D	Light Fixture Adapter	1
E	LED Light Fixture Assembly	1
F	Inner Lower Housing	1
G	Shade Assembly	1
H	Hanger Bracket	1
I	Hanger Ball / 6" Downrod Assembly	1
J	Receiver with Hardware	1
K	4 Speed Wall Control Transmitter with Hardware	1
L	Fan Blades	4
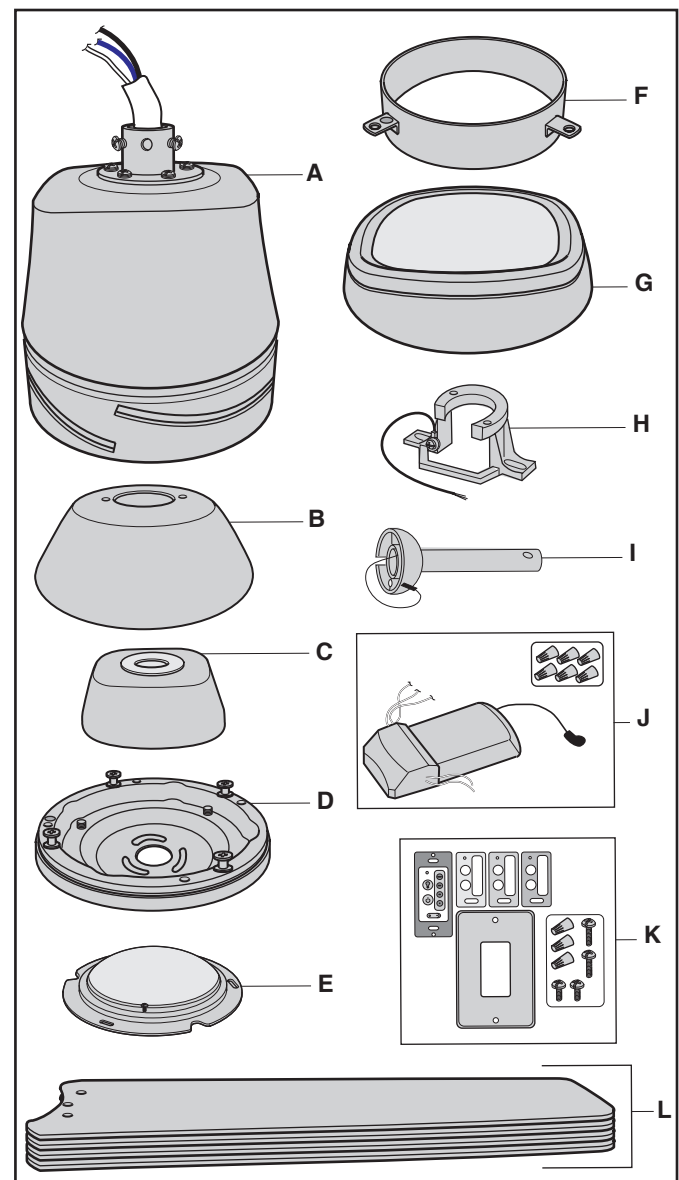
1. Unpacking Instructions (Continued)

This Manual Is Designed to Make it as Easy as Possible for You to Assemble, Install, Operate and Maintain Your Ceiling Fan

1.2

Remove the Fan Motor Assembly from the protective plastic bag. Place the Fan Motor Assembly onto the upper foam pad with the bottom of the Fan Motor Assembly facing up.

The upper foam pad serves as a holder for the Fan during the first stages of assembly.

Tools Needed for Assembly

One Phillips Head Screwdriver   One Stepladder
One 1/4" Blade Screwdriver   One Wire Stripper

Materials

Wiring outlet box and box connectors must be of type required by the local code. The minimum wire would be a 3-conductor (2-wire with ground) of following size:

Installed Wire Length	Wire Size A.W.G.
Up to 50 ft.	14
50-100 ft.	12

Your Ceiling Fan comes supplied with a Receiver and Wall Control. This system allows you to regulate your Ceiling Fan Speed and Light.

⚠ WARNING

Before assembling your ceiling fan, refer to section on proper method of wiring your fan (page 12). If you feel you do not have enough wiring knowledge or experience, have your fan installed by a licensed electrician.

2. Electrical Requirements

Your New Ceiling Fan will require a Grounded Electrical Supply Line of 120 volts AC, 60 Hz, 15 amp circuit.

The Outlet Box must be securely anchored and capable of withstanding a load of at least 50 Pounds.

If your Fan is to replace an Existing Ceiling Light Fixture, turn Electricity Off at the Main Fuse Box at this time and remove the Existing Light Fixture.

⚠ WARNING

Turning off wall switch is not sufficient. To avoid possible electrical shock, be sure electricity is turned off at the main fuse box before wiring. All wiring must be in accordance with National and Local codes and the ceiling fan must be properly grounded as a precaution against possible electrical shock.

⚠ WARNING

To reduce the risk of fire, electric shock, or personal injury, mount fan to outlet box marked "Acceptable for Fan Support of 22.7 kg. (50 lbs.) or less", and use screws supplied with outlet box. Most outlet boxes commonly used for support of light fixtures are not acceptable for fan support and may need to be replaced. Consult a qualified electrician if in doubt.

⚠ WARNING

To avoid fire or shock, follow all wiring instructions carefully.

Any electrical work not described in these instructions should be done or approved by a licensed electrician.

3. Ceiling Fan Assembly

3.1

Slide a Blade through the Fan Motor Assembly Center Blade Slot.

Mount the Blade to Fan Motor Assembly using Three #8-32 x 11 mm Washer Head Blade Screws (supplied) (Figure 1).

NOTE: Take care not to scratch Fan Motor Assembly when installing Blades.

Complete the installation of the remaining Three Blades per the above instructions.

A spare #8-32 x 11 mm Washer Head Blade Screw is supplied in the parts bag, if needed.

⚠ WARNING

To reduce the risk of personal injury, do not bend the blades during installation, balancing the blades or cleaning the fan. Do not insert foreign objects in between rotating fan blades.
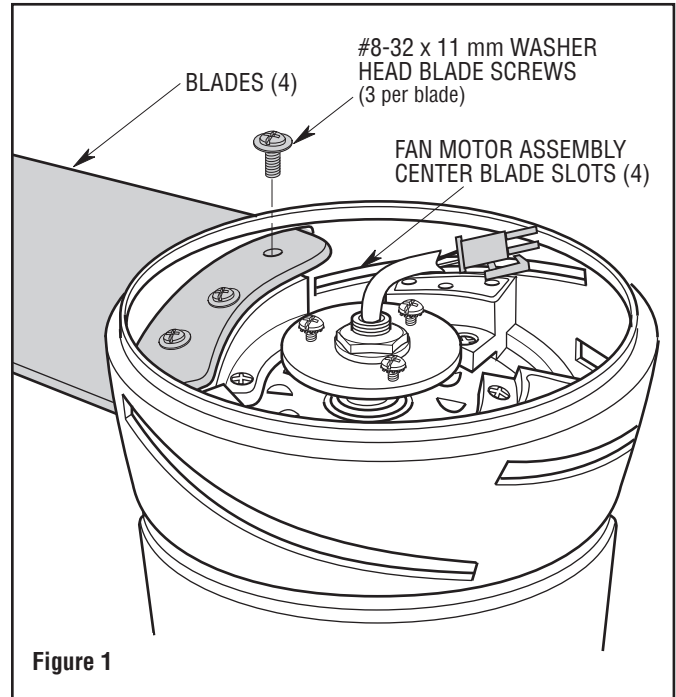

BLADES (4)

#8-32 x 11 mm WASHER HEAD BLADE SCREWS (3 per blade)

FAN MOTOR ASSEMBLY CENTER BLADE SLOTS (4)

Figure 1

3.2

Remove the Three #6-32 x 3/8" Pan Head Screws with Lockwashers from the Fan Motor Assembly Hub (Figure 2).

Retain the Three #6-32 x 3/8" Pan Head Screws with Lockwashers for future use.
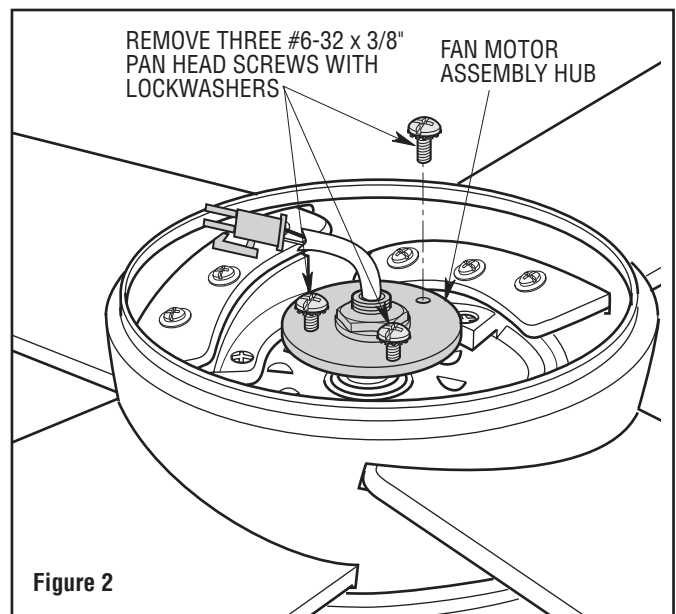

REMOVE THREE #6-32 x 3/8" PAN HEAD SCREWS WITH LOCKWASHERS

FAN MOTOR ASSEMBLY HUB

Figure 2

3. Ceiling Fan Assembly (Continued)

3.3

Position the Light Fixture Adapter onto the Fan Motor Assembly Hub.

NOTE: When positioning, it is critical to align the four inside corners of the Light Fixture Adapter to the four corners of the Fan Motor Assembly's Upper Housing. If the Light Fixture Adapter Slots do not align, rotate the Light Fixture Adapter 45 degrees, until it Aligns.

Align the Light Fixture Adapters Three Slots with the Fan Motor Assembly's Three Holes (Figure 3).

Reinstall the Three previously removed #6-32 x 3/8" Pan Head Screws with Lockwashers into the Light Fixture Adapters Slots and securely tighten all screws (Figure 3).

A spare #6-32 x 3/8" Pan Head Screw with Lockwasher is supplied in the parts bag, if needed.

NOTE: The LED Light Fixture Assembly will be installed during the Final Assembly, after the Ceiling Fan is Hung and Wired.
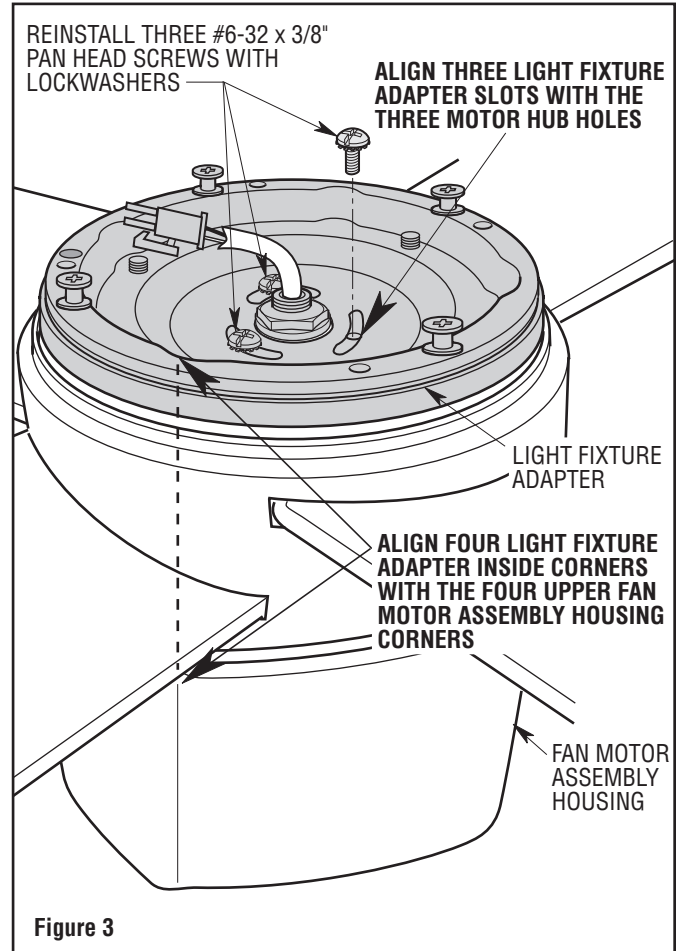
REINSTALL THREE #6-32 x 3/8" PAN HEAD SCREWS WITH LOCKWASHERS

ALIGN THREE LIGHT FIXTURE ADAPTER SLOTS WITH THE THREE MOTOR HUB HOLES

LIGHT FIXTURE ADAPTER

ALIGN FOUR LIGHT FIXTURE ADAPTER INSIDE CORNERS WITH THE FOUR UPPER FAN MOTOR ASSEMBLY HOUSING CORNERS

FAN MOTOR ASSEMBLY HOUSING

Figure 3

3.4

Carefully turn the partially assembled Ceiling Fan right side up and place the Fan securely into the packing styrofoam. Careful not to bend the Blades.

Remove the Hanger Ball by loosening the Phillips Head Set Screw in the Hanger Ball until the Ball falls freely down the 6" Downrod (Figure 4).

Remove the Pin from the 6" Downrod, then remove the Hanger Ball (Figure 4).

Retain the Pin and Hanger Ball for reinstallation in Step 3.11.

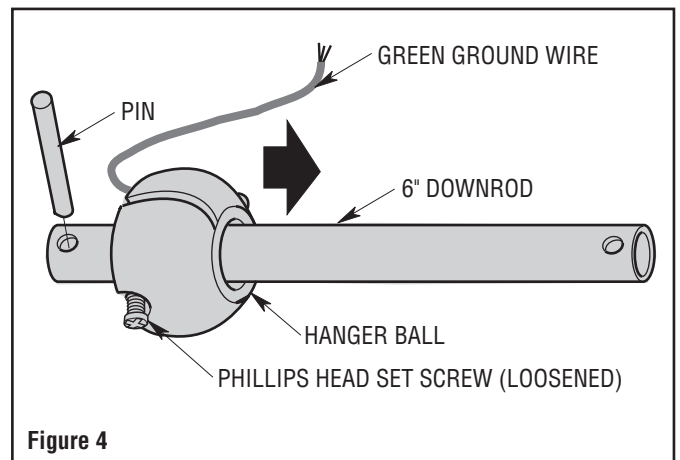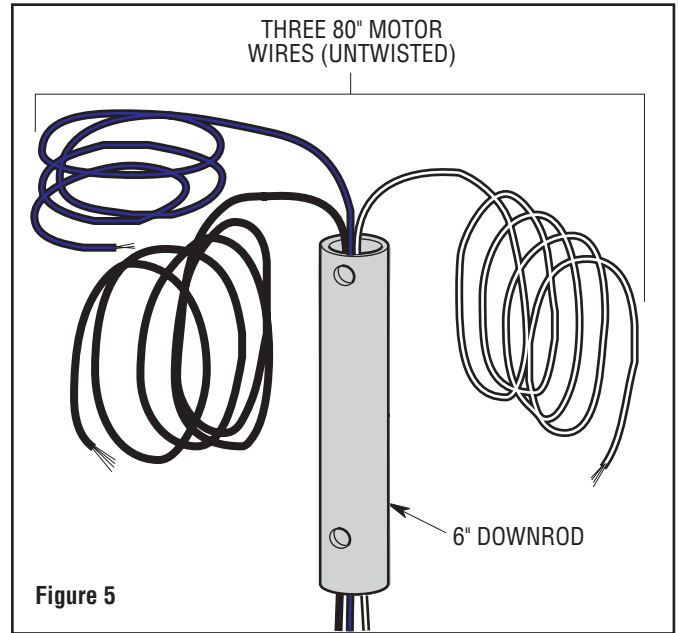**NOTE: Do not loosen the Screw that attaches the Green Ground Wire to the Hanger Ball.**

GREEN GROUND WIRE

PIN

6" DOWNROD

HANGER BALL

PHILLIPS HEAD SET SCREW (LOOSENED)

Figure 4

3.5

Separate, untwist and unkink the Three 80" Motor Wires.

Route the Three 80" Black, Blue, and White Motor Wires through the 6" Downrod (Figure 5).

THREE 80" MOTOR WIRES (UNTWISTED)
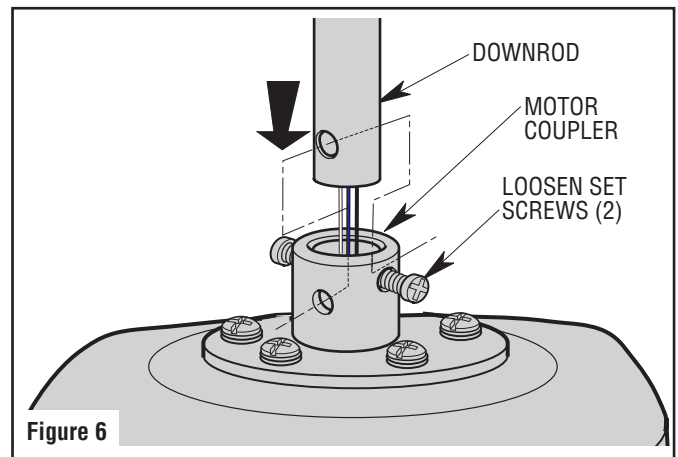
6" DOWNROD

Figure 5

3.6

Loosen the Two Phillips Head Set Screws in the Motor Coupler for installation of the 6" Downrod (Figure 6).

Seat the 6" Downrod in the Motor Coupler (Figure 6).

Rotate and align the Two Downrod Clevis Pin Holes with the Two Motor Coupler Clevis Pin Holes (Figure 6).

DOWNROD

MOTOR COUPLER

LOOSEN SET SCREWS (2)

Figure 6

3. Ceiling Fan Assembly (Continued)

3.7

Install the Clevis Pin and secure with the Hairpin Clip (Figure 7).

The Clevis Pin must go through the Holes in the Motor Coupler and Downrod. It is critical that the Clevis Pin in the Motor Coupler is properly installed and securely tightened.

⚠ WARNING

It is critical that the clevis pin is properly installed and secured with the hairpin clip. Failure to verify that the pin is properly installed could result in the fan falling.
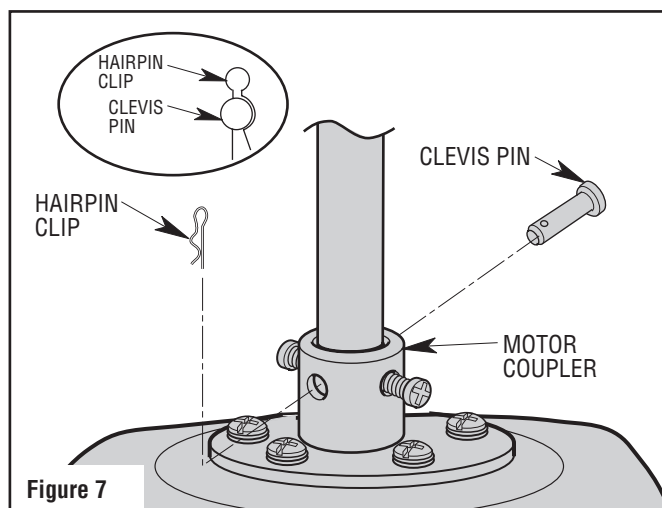

HAIRPIN CLIP

CLEVIS PIN

CLEVIS PIN

HAIRPIN CLIP

MOTOR COUPLER

Figure 7

3.8

While pulling up on the 6" Downrod, retighten the Two Phillips Head Set Screws to secure the 6" Downrod in the Motor Coupler (Figure 8).

NOTE: The Set Screws must be properly installed as described above, or fan wobble could result.

⚠ WARNING

It is critical that the set screws in the motor coupler are properly installed and securely tightened. Failure to verify that the set screws are properly installed could result in the fan falling.
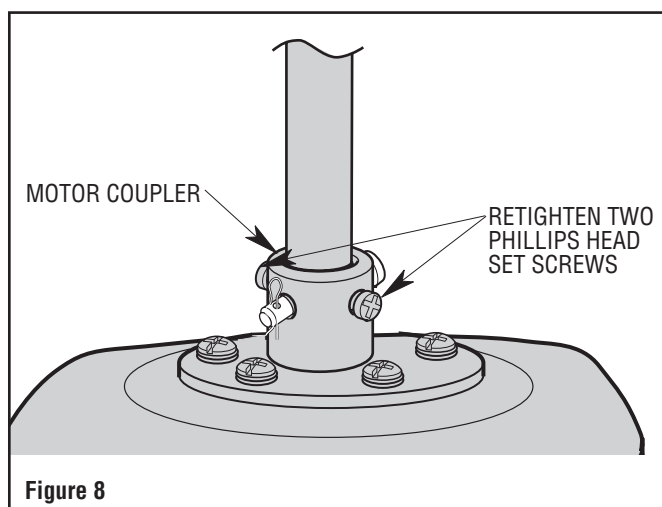

MOTOR COUPLER

RETIGHTEN TWO PHILLIPS HEAD SET SCREWS

Figure 8

3.9

Make sure the Grommet is properly installed in the Coupler Cover, then slide the Coupler Cover on the 6" Downrod until it rests on the Motor Housing (Figure 9).
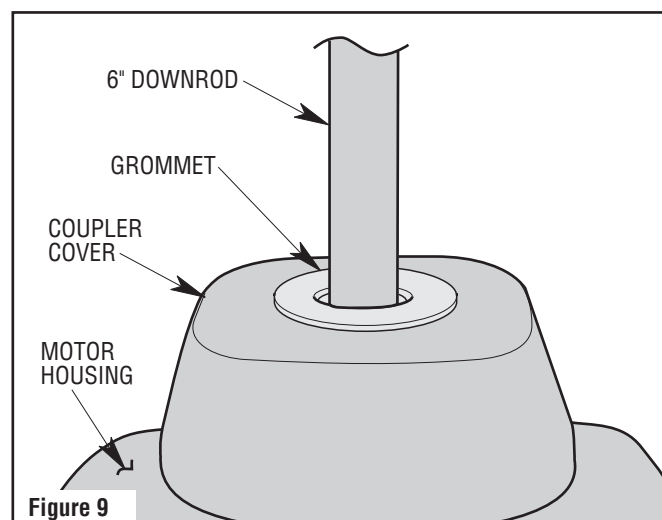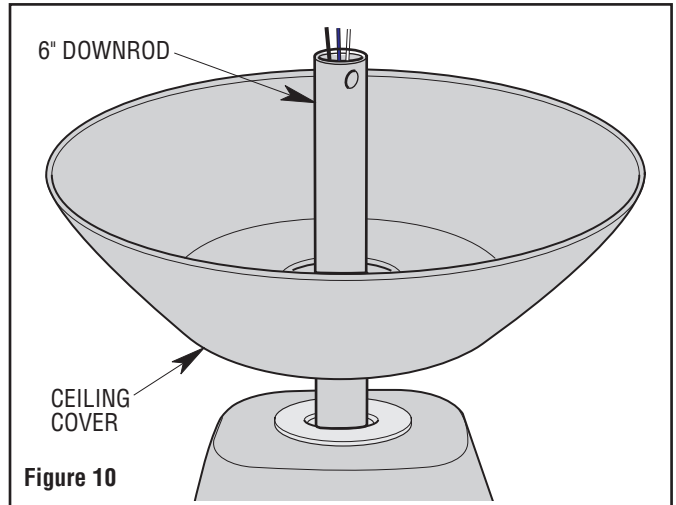

6" DOWNROD

GROMMET

COUPLER COVER

MOTOR HOUSING

Figure 9

3.10

Place the Ceiling Cover over the 6" Downrod (Figure 10).

Be sure that the Ceiling Cover and the Coupler Cover are both oriented correctly (Figure 10).
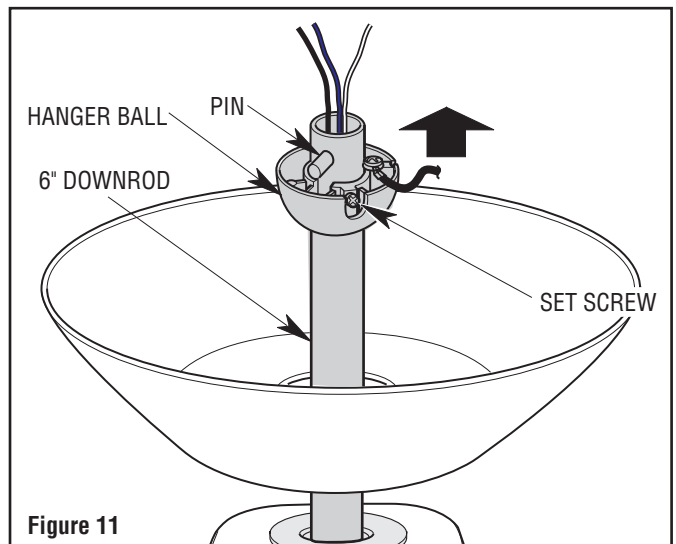

6" DOWNROD

CEILING COVER

Figure 10

3.11

Route the three Motor Wires through the Hanger Ball (Figure 11).

Reinstall the Hanger Ball on the 6" Downrod as follows:

Position the Pin through the Two Holes in the 6" Downrod and align the Hanger Ball so the Pin is captured in the Groove in the top of the Hanger Ball (Figure 11).

Pull the Hanger Ball up tight against the Pin and securely retighten the Phillips Head Set Screw in the Hanger Ball (Figure 11).

A loose Phillips Head Set Screw could create fan wobble.

HANGER BALL

PIN

6" DOWNROD

SET SCREW

Figure 11

3.12

The Fan comes with Black, Blue and White Wires that are 80-inches long.

Before installing the Fan, measure up approximately 6 to 9-inches above top of Hanger Ball/Downrod Assembly (Figure 12).

Cut off excess Wires and strip back insulation 1/2-inch from end of Wires.

You have now partially completed the assembly of your new Ceiling Fan, proceed to "How to Hang Your Ceiling Fan". Final Assembly of the Ceiling Fan will be completed once Ceiling Fan is Hung and Wired.

BLACK WIRE

BLUE WIRE

WHITE WIRE

6 TO 9 INCHES

HANGER BALL

1/2 INCH
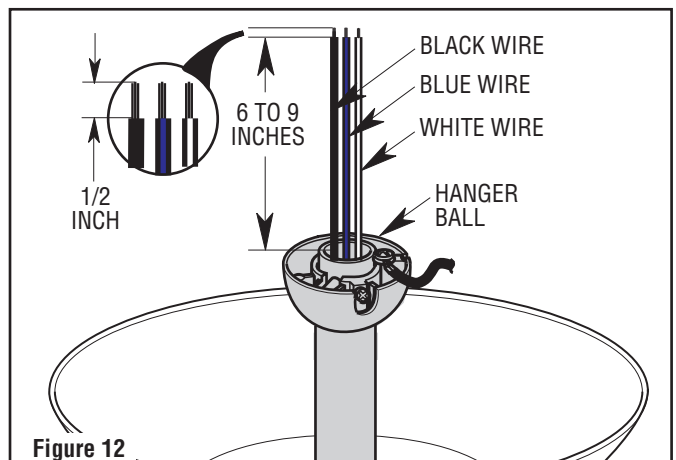
Figure 12

4. How to Hang Your Ceiling Fan

⚠ CAUTION

To reduce the risk of injury, install the fan so that the blades are at least 7 ft. (2.1m) above the floor (Figure 13).

⚠ WARNING

Turning off wall switch is not sufficient. To avoid possible electrical shock, be sure electricity is turned off at the main fuse box before wiring. All wiring must be in accordance with National and Local codes and the ceiling fan must be properly grounded as a precaution against possible electrical shock.
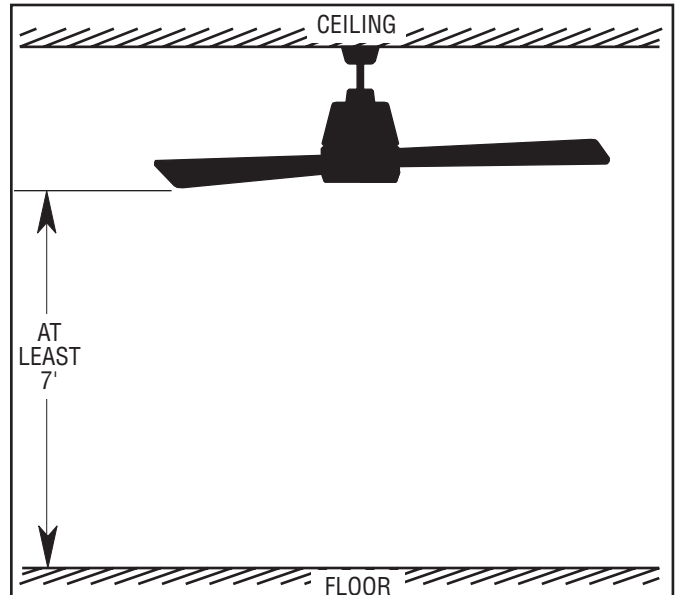
CEILING

AT LEAST 7'

FLOOR

Figure 13

⚠ WARNING

The outlet box and joist must be securely mounted and capable of supporting at least 50 lbs. Use only a U.L. outlet box listed as "Acceptable for Fan Support of 22.7 kg. (50 lbs.) or less".

⚠ WARNING

To reduce the risk of fire, electric shock, or personal injury, mount fan to outlet box marked "Acceptable for Fan Support of 22.7 kg. (50 lbs.) or less", and use screws supplied with outlet box. Most outlet boxes commonly used for support of light fixtures are not acceptable for fan support and may need to be replaced. Consult a qualified electrician if in doubt.
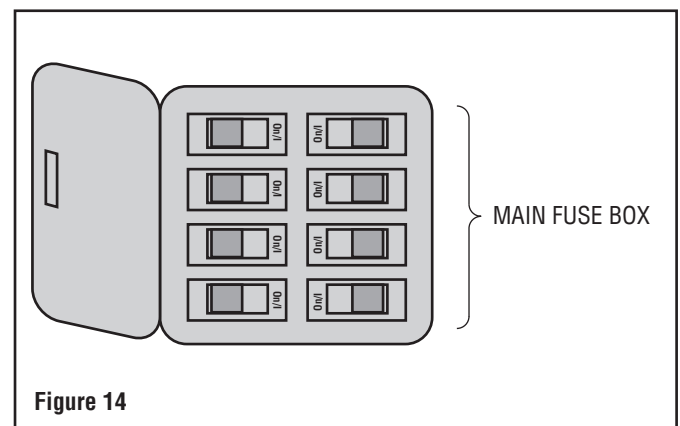
MAIN FUSE BOX

Figure 14

4.1

Disconnect Electrical Power to the Branch Circuit at the Circuit Breaker or Fuse Box before attempting to install the Ceiling Fan Hanger Bracket on the Outlet Box (Figure 14).

4. How to Hang Your Ceiling Fan (Continued)

4.2

Securely attach the Hanger Bracket to the Outlet Box using the Two Screws supplied with the Outlet Box (Figure 15).

OUTLET BOX

TWO SCREWS SUPPLIED WITH OUTLET BOX

HANGER BRACKET

ANTI-ROTATION TAB
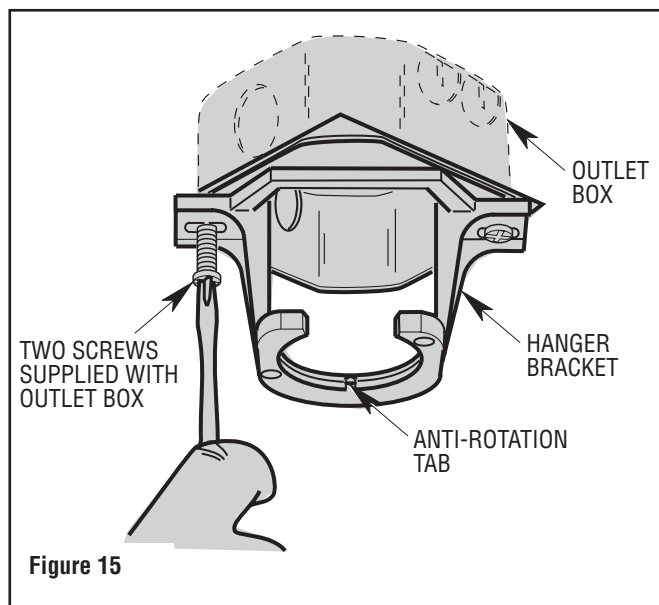
Figure 15

4.3

Carefully lift the Fan and seat the Hanger Ball/Downrod Assembly on the Hanger Bracket that was just attached to the Outlet Box (Figure 16).

Be sure the Groove in the Ball is engaged with the Anti-Rotation Tab on the Hanger Bracket (Figure 16).

⚠ WARNING
Failure to seat tab in groove could cause damage to electrical wires and possible shock or fire hazard.

⚠ WARNING
To avoid possible fire or shock, do not pinch wires between the hanger ball/downrod assembly and hanger bracket.

NOTE: CEILING COVER, SUPPLY WIRES AND FAN WIRES OMITTED FOR CLARITY.

OUTLET BOX

HANGER BRACKET

HANGER BALL/ DOWNROD ASSEMBLY

HANGER BALL

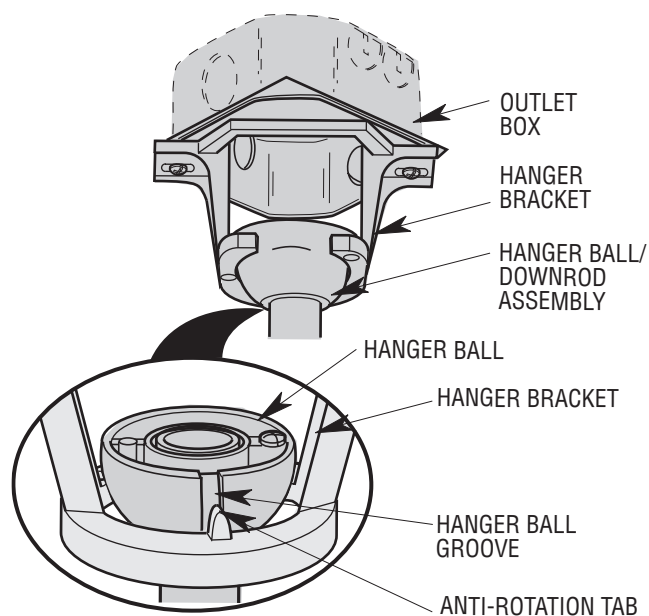HANGER BRACKET

HANGER BALL GROOVE

ANTI-ROTATION TAB

Figure 16

5. How to Wire Your Ceiling Fan

If you feel that you do not have enough electrical wiring knowledge or experience, have your fan installed by a licensed electrician.

⚠ WARNING

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

NOTE: If you are not sure if the outlet box is grounded, contact a licensed electrician for advice, as it must be grounded for safe operation.

⚠ WARNING

Turning off wall switch is not sufficient. To avoid possible electrical shock, be sure electricity is turned off at the main fuse box before wiring. All wiring must be in accordance with National and Local codes and the ceiling fan must be properly grounded as a precaution against possible electrical shock.

5.1

Disconnect Electrical Power to the Branch Circuit at the Circuit Breaker or Fuse Box before attempting to Wire the Ceiling Fan.

⚠ CAUTION

To reduce the risk of electrical shock, disconnect the electrical supply circuit before installing the fan, light kit or receiver.

⚠ WARNING

This product is designed to use only those parts supplied with this product and/or any accessories designated specifically for use with this product.

5.2

Locate the Electronic Receiver and insert its Antenna Wire into the opening of the Hanger Bracket above the Hanger Ball. Continue to insert the body of the Receiver (flat side facing up) into the opening, orient as shown. Be careful not to pinch any Wires between the Receiver body and the Bracket or Ball (Figure 17).

⚠ WARNING

To avoid possible fire or shock, do not pinch the antenna wire between the hanger bracket and the receiver.
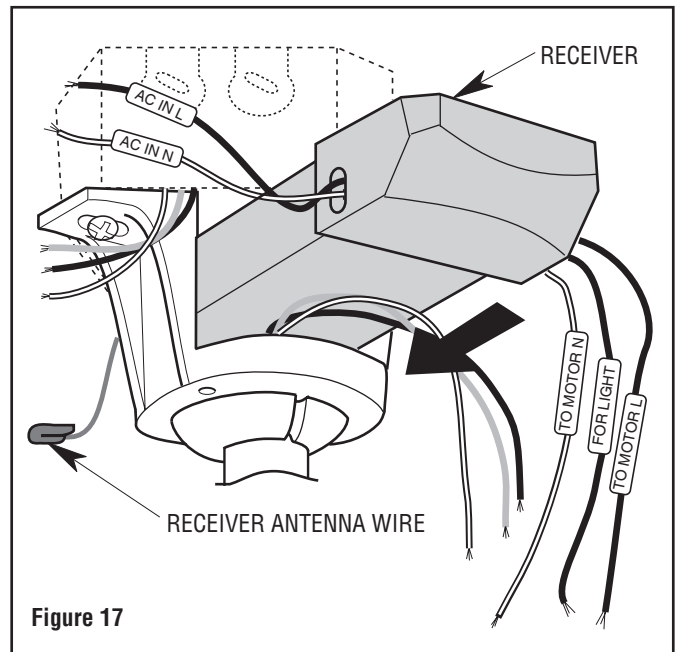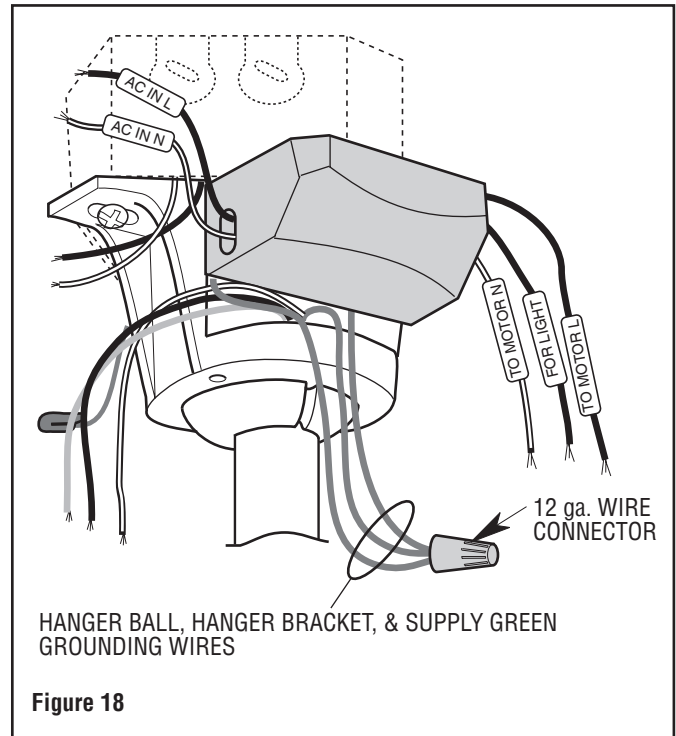

Figure 17

5.3

NOTE: Make all wiring connections using the wire connectors supplied in the parts bag and the receiver hardware bag. Make sure that all connections are tight, including ground, and that no bare wire is visible at the wire connectors, except for the supply circuit ground wire.

Connect the Hanger Ball Green Grounding Wire and the Hanger Bracket Green Grounding Wire to the Supply Grounding Conductor (this may be a bare wire or wire with Green Colored insulation).

Securely connect Wires with Wire 12 ga. Connector (supplied in parts bag) (Figure 18).

12 ga. WIRE CONNECTOR

HANGER BALL, HANGER BRACKET, & SUPPLY GREEN GROUNDING WIRES

Figure 18

5.4

Securely connect the Receiver White Wire (AC IN N) to the Supply White Wire (neutral) using the 12 ga. Wire Connector (supplied in parts bag) (Figure 19).

12 ga. WIRE CONNECTOR

SUPPLY AND RECEIVER WHITE WIRES
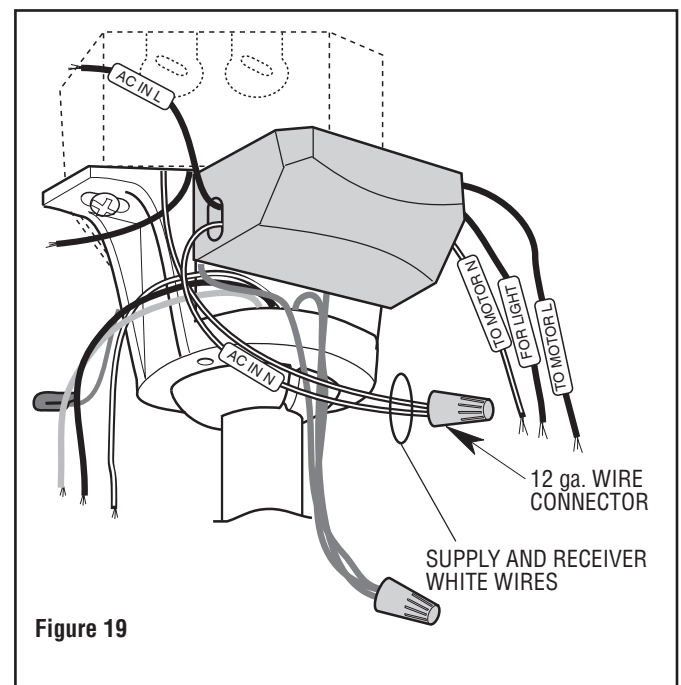
Figure 19

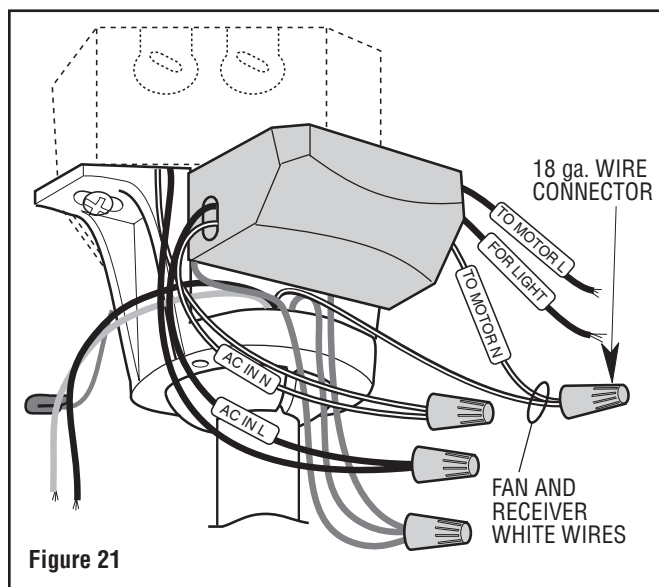# 5. How to Wire Your Ceiling Fan (Continued)

5.5

Securely connect the Receiver Black Wire (AC IN L) to the Supply Black Wire (HOT) using the 12 ga. Wire Connector (supplied in parts bag) (Figure 20).

Figure 20

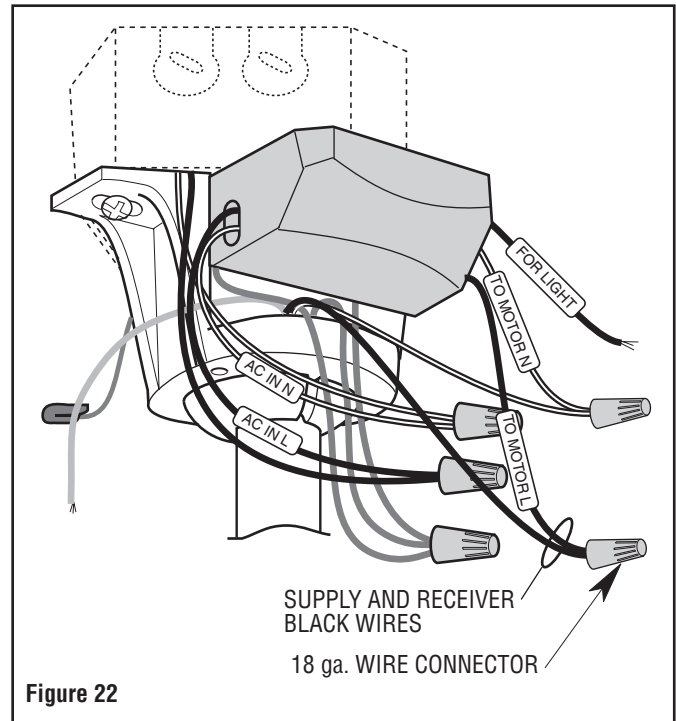12 ga. WIRE CONNECTOR

SUPPLY AND RECEIVER BLACK WIRES
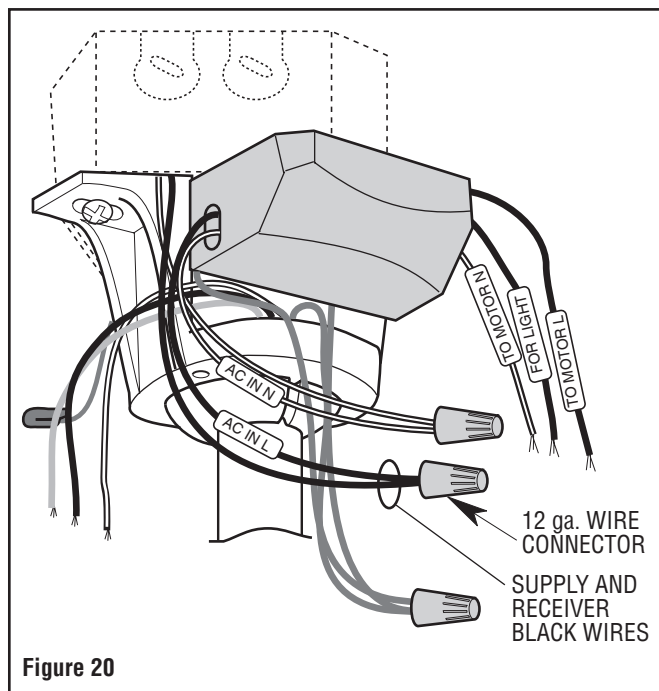
5.6

Securely connect the Receiver White Wire (TO MOTOR N) to the Fan Motor White Wire using the 18 ga. Wire Connector (supplied with receiver) (Figure 21).

Figure 21

18 ga. WIRE CONNECTOR

FAN AND RECEIVER WHITE WIRES

5.7

Securely connect the Receiver Black Wire (TO MOTOR L) to the Fan Motor Black Wire using the 18 ga. Wire Connector (supplied with receiver) (Figure 22).

SUPPLY AND RECEIVER BLACK WIRES

18 ga. WIRE CONNECTOR

Figure 22

5.8

Securely connect the Receiver Blue Wire (TO LIGHT) to the Fan Motor Blue Wire using the 18 ga. Wire Connector (supplied with receiver) (Figure 23).

Position the Antenna Wire on top of the Receiver. Slide the Receiver completely onto the Hanger Ball, nestled in the Hanger Bracket (Figure 23).

⚠ WARNING

Check to see that all connections are tight, including ground, and that no bare wire is visible at the wire connectors, except for the supply circuit ground wire. Do not operate fan until blades are in place. Noise and fan damage could result.
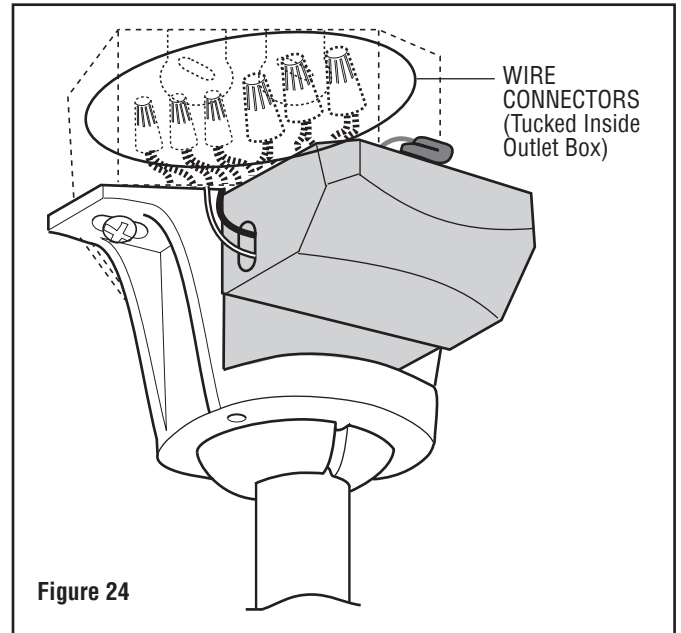
NOTE: Failure to properly connect the Receiver Wires will damage the device and render it non-operable.

ANTENNA WIRE

RECEIVER

SUPPLY AND RECEIVER BLUE WIRES

18 ga. WIRE CONNECTOR

Figure 23
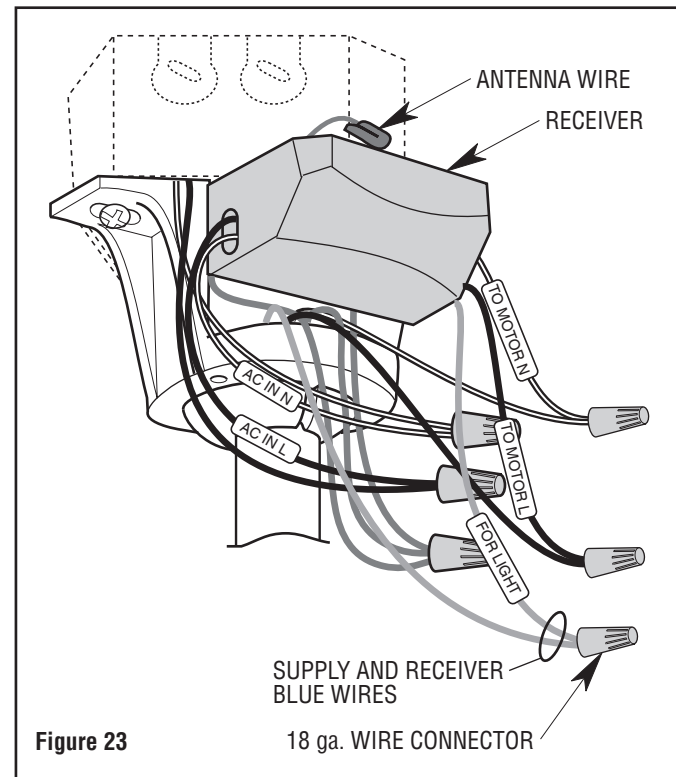
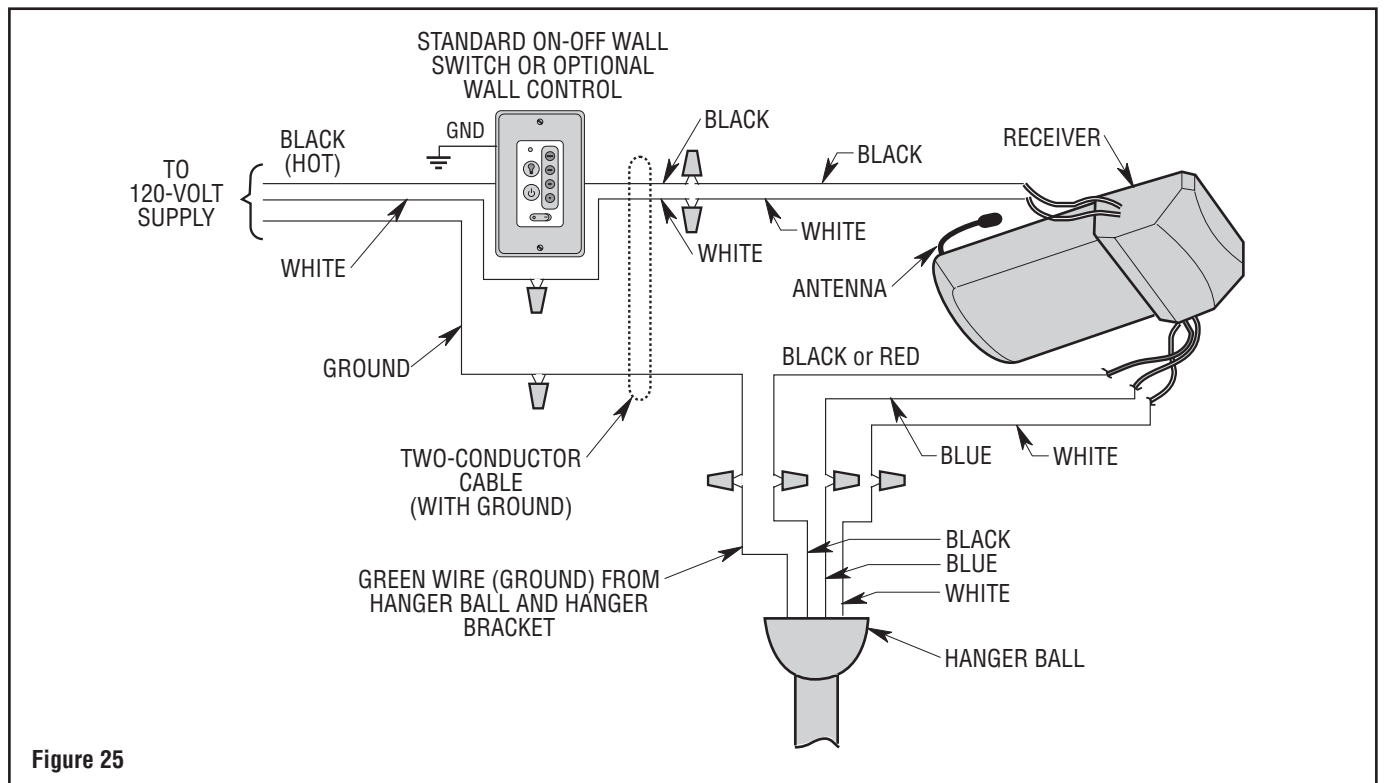# 5. How to Wire Your Ceiling Fan (Continued)

5.9

While inserting the Receiver fully into the Hanger Bracket, turn Wires upward and carefully push Wires into the Outlet Box, with the White and Green Wires on one side of the Outlet Box and position the Black and Blue Wires on the other side of the Outlet Box (Figure 24).

WIRE CONNECTORS (Tucked Inside Outlet Box)

Figure 24

5.10

Wiring Schematic for reference (Figure 25).

STANDARD ON-OFF WALL SWITCH OR OPTIONAL WALL CONTROL

BLACK (HOT)

GND

BLACK

BLACK

RECEIVER

TO 120-VOLT SUPPLY

WHITE

WHITE

WHITE

ANTENNA

GROUND

BLACK or RED

BLUE

WHITE

TWO-CONDUCTOR CABLE (WITH GROUND)

GREEN WIRE (GROUND) FROM HANGER BALL AND HANGER BRACKET

BLACK
BLUE
WHITE

HANGER BALL

Figure 25

6. Final Assembly

6.1

Screw the 1-1/4" Threaded Studs into the Threaded Holes on the bottom of the Hanger Bracket with your fingers (Figure 26).

HANGER BRACKET

THREADED STUDS (2)
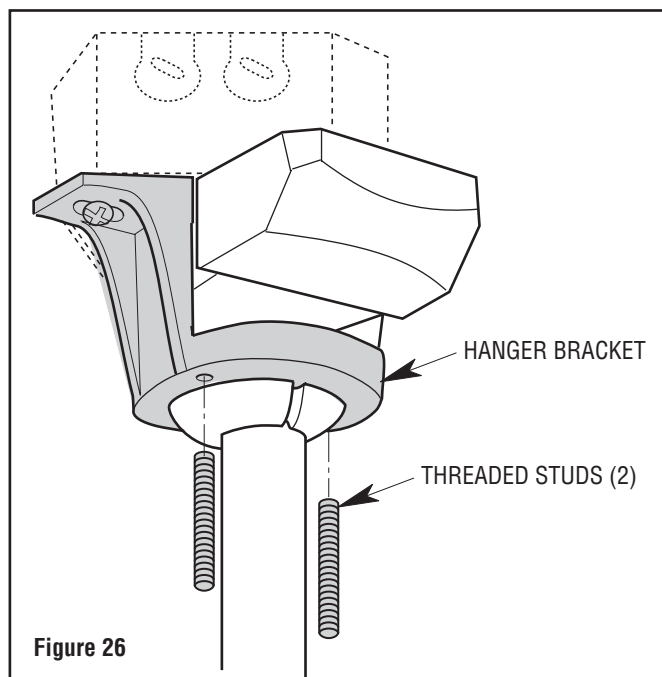
Figure 26

6.2

Lift the Ceiling Cover up to the Threaded Studs and turn until Studs protrude through the Ceiling Cover Holes (Figure 27).

Secure the Ceiling Cover in place by sliding a Lockwasher over each of the Threaded Studs and installing the two Knurled Knobs (supplied) (Figure 27).

Tighten the Knurled Knobs securely until the Ceiling Cover fits snugly against the ceiling and the Hole in the Ceiling Cover is clear of the Downrod.

⚠ WARNING

To avoid possible fire or shock, make sure that the electrical wires are completely inside the outlet box and not pinched between the ceiling cover and the ceiling.

1-1/4" THREADED STUD (2)

#8 EXTERNAL TOOTH LOCKWASHER (2)

CEILING COVER

#8-32 KNURLED KNOB (2)
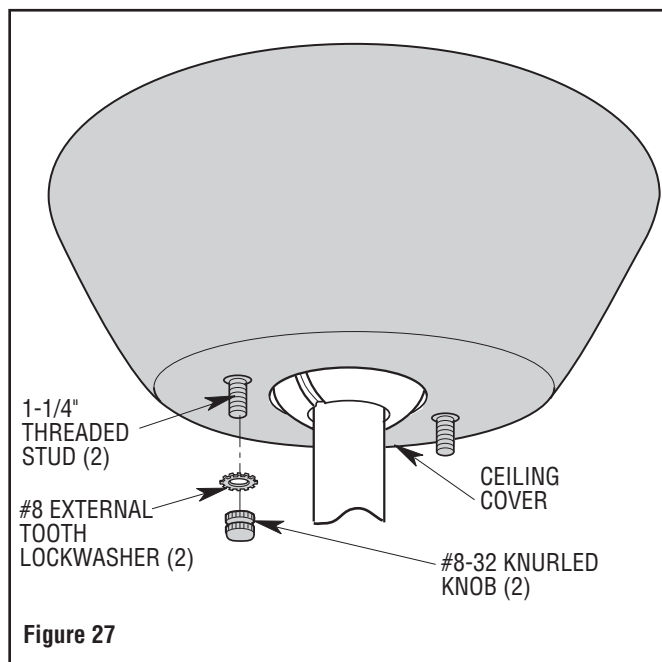
Figure 27

6.3

Engage the Fan Motor 2-Pin Wire Connector into the 2-pin Wire Connector of the LED Light Fixture Assembly (Figure 28).

The connection is complete when you hear a soft click.

FAN MOTOR ASSEMBLY CONNECTOR

LED LIGHT FIXTURE ASSEMBLY CONNECTOR

FAN MOTOR CONNECTOR

LED LIGHT CONNECTOR

Figure 28
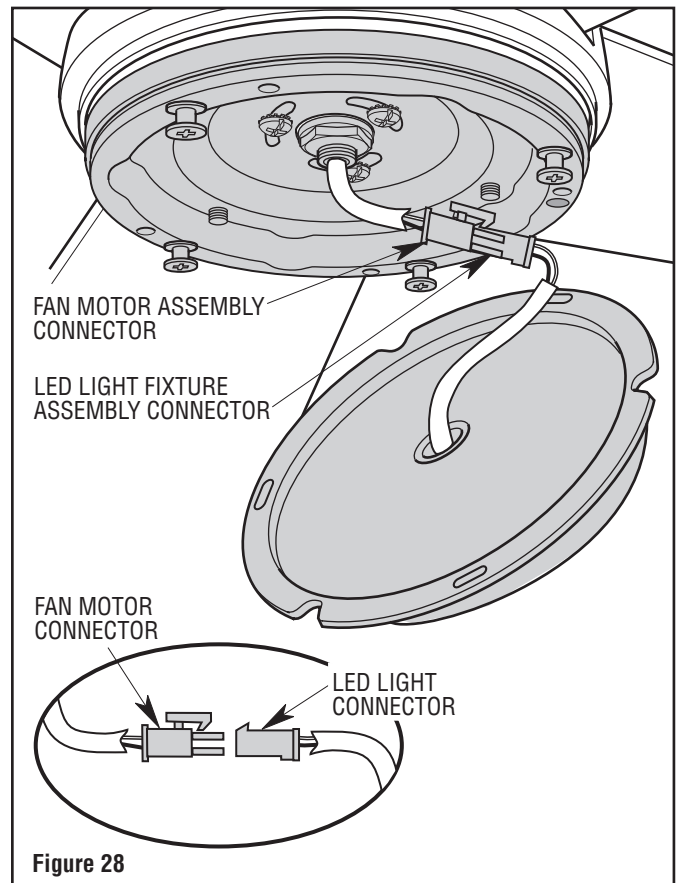
6.4

Carefully tuck all the Wires and Connectors into the Light Fixture Adapter.

Position the LED Light Fixture Assembly onto the Light Fixture Adapter, aligning the Three Screw Holes. The Three LED Light Fixture Assembly Notches should be positioned around the Three Screw Threads, as shown in Figure 29.

NOTE: Verify that the wires and connectors are not trapped between the LED light fixture assembly and the light fixture adapter.

Install and tighten the Three #6-32 x 1/4" Pan Head Screws with Lockwashers (supplied) to complete the installation of the LED Light Fixture Assembly (Figure 29).

A spare #6-32 x 1/4" Truss Head Screw with Lockwasher is supplied in parts bag, if needed.

LIGHT FIXTURE ADAPTER

INSTALL THREE #6-32 x 1/4" PAN HEAD SCREWS WITH LOCKWASHERS

Figure 29
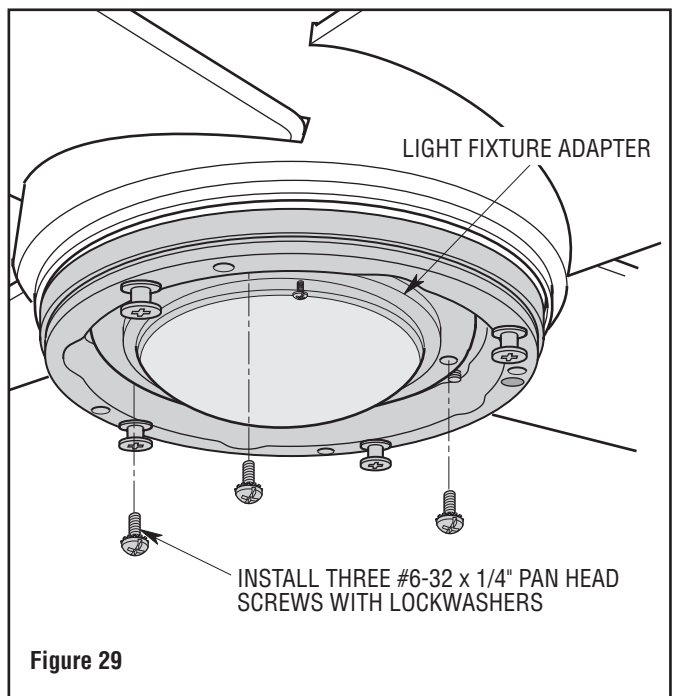
⚠ WARNING

To avoid possible fire or shock, do not pinch wires between the light fixture adapter and the LED light fixture assembly.

6.5

Position the Inner Lower Housing onto the Light Fixture Adapter, aligning the Four Screw Holes.

NOTE: Be sure the Red Dot on the Inner Lower Housing aligns with the Red Dot on the Light Fixture Adapter, as shown.

Install and tighten the Four #6-32 x 8 mm Flat Head Screws (supplied) to complete the installation of the Inner Lower Housing (Figure 30).

A spare #6-32 x 8 mm Flat Head Screws is supplied in parts bag, if needed.

RED DOTS

INNER LOWER HOUSING

INSTALL FOUR #6-32 x 8 mm FLAT HEAD SCREWS
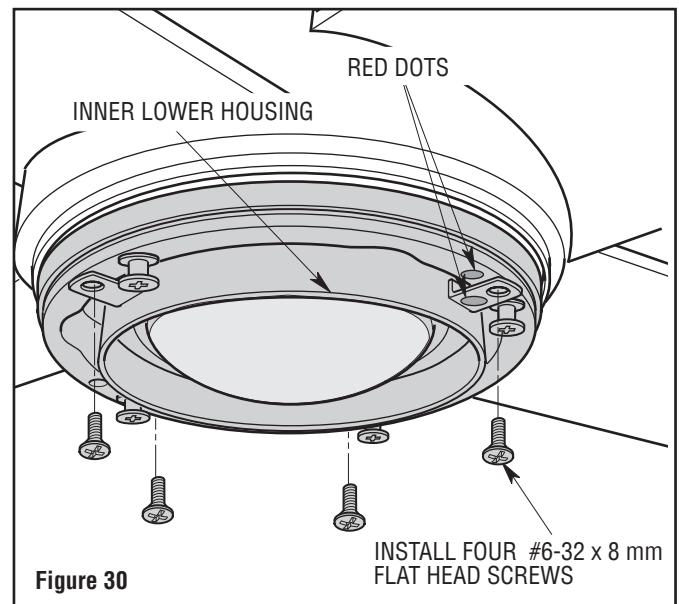
Figure 30

6.6

Place the Shade Assembly's Four Key Hole Slots onto the Four Inner Lower Housing Protruding Studs, as shown in Figure 31.

While gently pushing the Shade Assembly up onto the Studs, rotate the Shade Assembly Clockwise to engage the Four Key Hole Slots onto the Protruding Studs.

Position the Shade Assembly's Four Flat Sides aligned with the Four Flat Sides of the Fan Motor Assembly (Figure 31).

NOTE: Periodically check that the Shade Assembly is seated fully clockwise in the Inner Lower Housing.

You have now completed the assembly of your new Ceiling Fan.

INNER LOWER HOUSING FLAT SIDES (4)

SHADE ASSEMBLY FLAT SIDES (4)

SHADE ASSEMBLY

INNER LOWER HOUSING PROTRUDING STUDS (4)

SHADE ASSEMBLY KEY HOLE SLOTS (4)

Figure 31
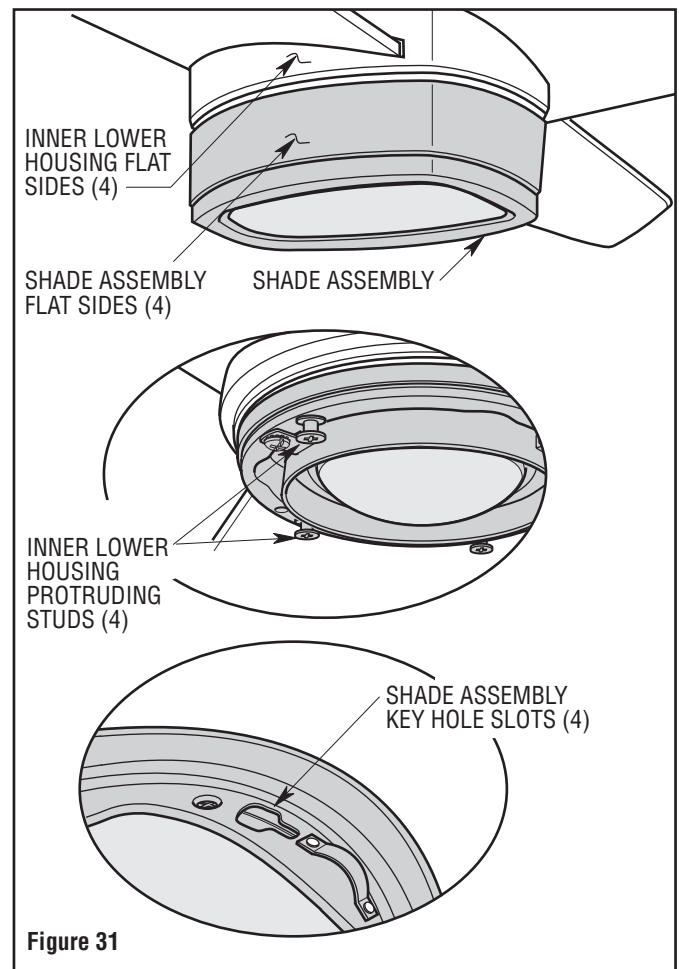
7. Wall Control Procedures

7.1

Your Ceiling Fan/Light Control consists of Wall Mounted Transmitter and a Receiver located inside the Ceiling Cover. The Control is designed to remotely operate your Ceiling Fan speed, light intensity and direction of rotation.

Code Switches in the Transmitter may be set in 32 different positions. If your Fan and Light turn ON and OFF without using your Control, you may be getting interference from other remote units such as garage door openers, car alarms or security systems. To remedy this situations, simply change the Code Switches in your Transmitter per the instructions of Section 7.2.

7.2

Your Wall Control has Code Switches which must be set in one of 32 possible code combinations (Figure 32). The Five Levers (numbered 1, 2, 3, 4, and 5) on the Switches are factory-set in the ON (up) position. Change the Switch settings as follows:

NOTE: Do not duplicate the code of an existing control of an installed ceiling fan within 100 feet.
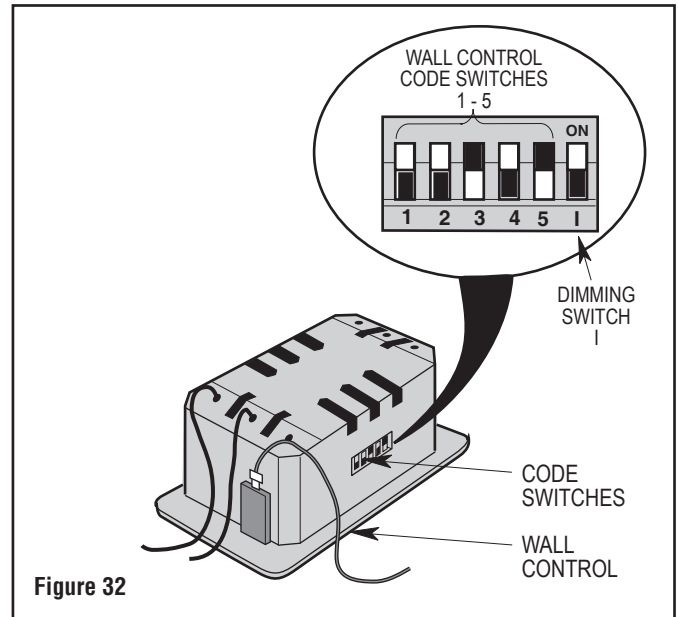
Slide the Five Switch Levers in the Wall Control to your choice of ON (up) or down positions. Use a ball-point pen or small screwdriver and slide the Levers firmly up or down.

The Sixth Switch marked **ON** and **I** is for Dimming Control of Lights: Set Switch to **ON** to allow for Dimming of the Lights. Set Switch to **I** for No Dimming of the Lights.

When the power is restored after installation, push and hold the Fan OFF button (⏻) for 3 to 5 seconds to set the code in the Receiver.

When the Switch is turned back ON, the Light and Fan will resume operation as they were prior to the Switch being turned OFF.

Preset Memory Feature: Your Ceiling Fan/Light Control is equipped with a preset memory feature. When the electricity supply to the Fan is switched OFF, the Control will remember the Light Intensity and Fan Speed.

Figure 32

8. Wall Control Installation

NOTE: Make all wiring connections using Wire Connectors (supplied). Make sure that all connections are tight, including ground, and that no bare wire is visible at the wire connectors, except for the ground wire.

8.1

Disconnect Electrical Power to the Branch Circuit at the Circuit Breaker or Fuse Box before attempting to install the Ceiling Fan Wall Control into the Wall Box.

8.2

NOTE: Electric connections should be in accordance with the National Electrical Codes and all Local Codes. Before starting, disconnect power to the circuit at the fuse box or circuit breaker panel.

Remove the Faceplate and Screws from the Existing Wall Switch. Pull Switch out from Wall Box (Figure 33).

Determine the "HOT" Wire and the "LOAD" Wire and disconnect these Wires from existing Control.

NOTE: Do not attempt to disconnect any Wires not already connected to Existing Control.

WALL BOX

WALL SWITCH

SCREWS

FACEPLATE
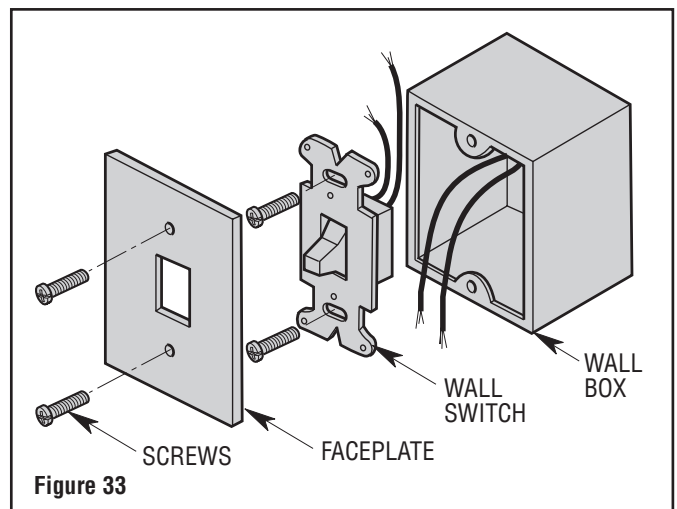
Figure 33

8. Wall Control Installation (Continued)

Skip to Section 8.4 if Using a 3-way Switch Installation.

SINGLE-POLE INSTALLATION
(One Fan Controlled by One Wall Control)
(See Figure 34).

⚠ WARNING

Turning off wall switch is not sufficient. To avoid possible electrical shock, be sure electricity is turned off at the main fuse or circuit breaker box before wiring. All wiring must be in accordance with National and Local codes and the ceiling fan must be properly grounded as a precaution against possible electrical shock.

8.3

Disconnect Electrical Power to the Branch Circuit at the Circuit Breaker or Fuse Box before attempting to install the Ceiling Fan Wall Control into the Wall Box.

Before installing Wall Control, place Wall Control in "OFF" mode by pushing "ON/OFF" Switch (⊙ ⟩) to the "OFF" (**O**) position.

⚠ WARNING

Do not connect any neutral (white) wire to this control. Incorrect wiring will damage this control.

Connect the Wall Control Black Wire labeled "TO POWER SUPPLY" to the "HOT" 120V AC Supply Source Wire. Securely connect Wires with Wire Connector, supplied (Figure 34).

Connect the Wall Control Black Wire labeled "TO FAN" to the "LOAD" Black Wire in Wall Box. Securely connect Wires with Wire Connector, supplied (Figure 34).

Connect the Wall Control Green Ground Wire to the Supply Ground Conductor (this may be a Bare Copper Wire or Wire with Green Colored Insulation). Securely connect Wires with Wire Connector, supplied (Figure 34).

⚠ WARNING

Check to see that all connections are tight and that no bare wires are visible at the wire connectors.
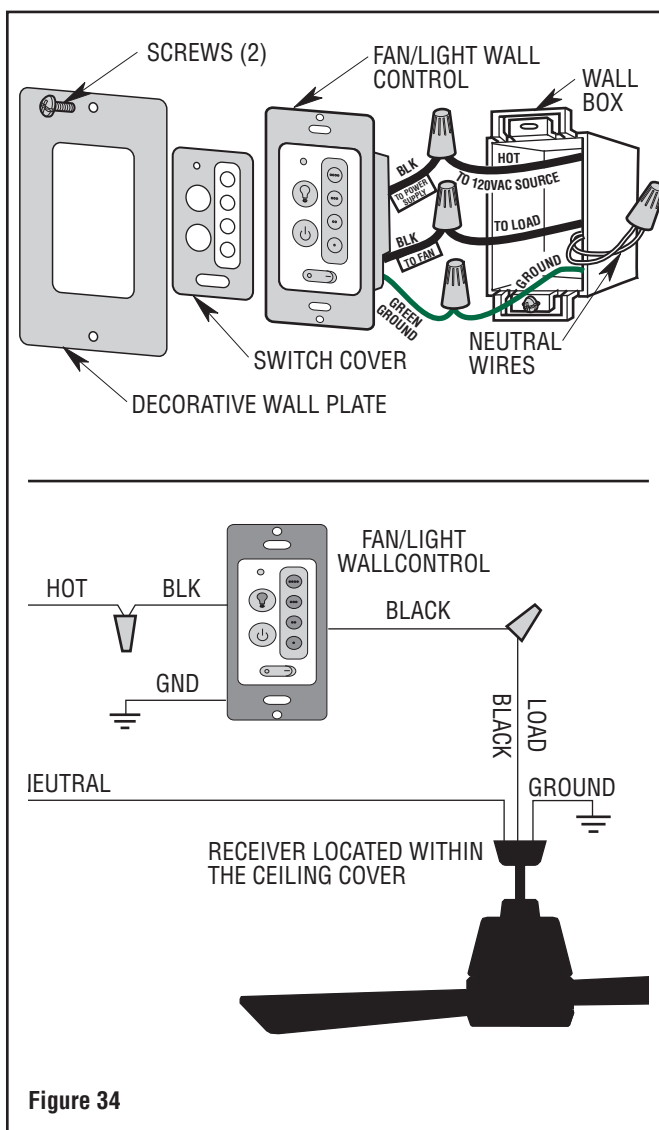

Figure 34

Screw Wall Control into Wall Box using the supplied Screws. Leave Wall Control in "OFF" mode until Fan installation is completed.

The Wall Control is supplied with a White, Ivory, and Almond color Switch Covers. Choose the finish that best suits your needs and snap the Cover onto the Wall Control (Figure 34).

Install Decorative Wall Plate using the two Screws supplied with Wall Plate. Leave the Wall Control in "OFF" mode until Fan installation is completed (Figure 34).

3-WAY INSTALLATION

(One Fan Controlled by Two Different Wall Controls)
(See Figures 35 and 36).

⚠ WARNING

Turning off wall switch is not sufficient. To avoid possible electrical shock, be sure electricity is turned off at the main fuse or circuit breaker box before wiring. All wiring must be in accordance with National and Local codes and the ceiling fan must be properly grounded as a precaution against possible electrical shock.

⚠ WARNING

Do not connect any neutral (white) wire to this control. Incorrect wiring will damage this control.

8.4

Disconnect Electrical Power to the Branch Circuit at the Circuit Breaker or Fuse Box before attempting to install the Ceiling Fan Wall Control into the Wall Box.

At All Wall Box locations remove Faceplates and Screws from Existing Controls. Pull Controls out from Wall Boxes and determine which Wall Box contains the "HOT" Wire and which Wall Box contains the "LOAD" Wire. Also, identify Traveler Wires which are common to both Wall Boxes. Disconnect Wires from Existing Controls only.

NOTE: Do not attempt to disconnect any Wires not already connected to Existing Controls.

NOTE: Make all wiring connections using wire connectors (supplied). Make sure that all connections are tight, including ground, and that no bare wire is visible at the wire connectors, except for the ground wire.

Before installing the First Wall Control, place the Wall Control in "OFF" mode by pushing "ON/OFF" Switch (⬭) to the "OFF" (**O**) position.
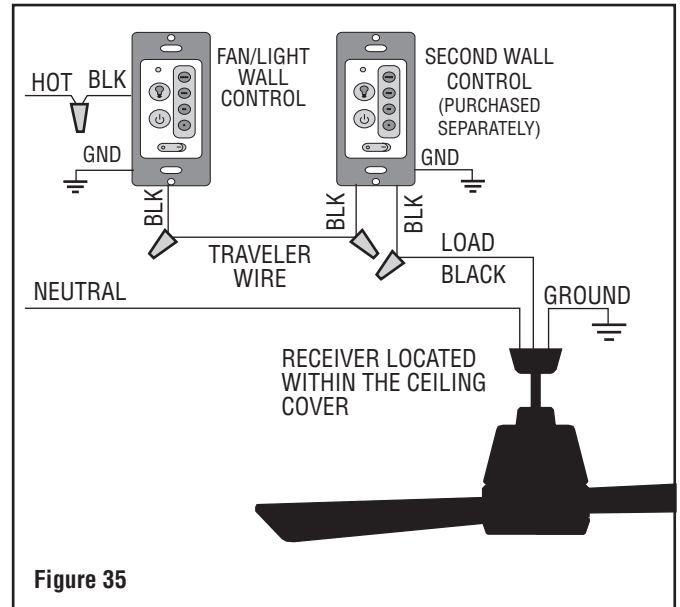

Figure 35

Install the First Wall Control in the Wall Box containing the "HOT" Wire.

Connect the First Wall Control Black Wire labeled "TO POWER SUPPLY" to the "HOT" 120V AC Supply Source Wire. Securely connect the Wires with Wire Connector, supplied (Figure 35).

Connect the First Wall Control Black Wire labeled "TO FAN" to both Traveler Wire(s) in the Wall Box and secure with Wire Connector, supplied (Figure 35).

Connect the First Wall Control Green Ground Wire to the Supply Ground Conductor (this may be a bare wire or wire with Green Colored insulation). Securely connect Wires with Wire Connector, supplied (Figure 35).

⚠ WARNING

Check to see that all connections are tight and that no bare wires are visible at the wire connectors.

8. Wall Control Installation (Continued)

8.5

Disconnect Electrical Power to the Branch Circuit at the Circuit Breaker or Fuse Box before attempting to install the Ceiling Fan Wall Control into the Wall Box.

Before installing the Second Wall Control, place the Wall Control in "OFF" mode by pushing "ON/OFF" Switch (⊙) to the "OFF" (**O**) position.

Install the Second Wall Control (purchased separately) into the Wall Box containing the "LOAD" Wire.

Connect the Second Wall Control Black Wire labeled "TO POWER SUPPLY" to the Traveler Wire(s) already connected to the Black Wire (in the other wall box). Secure with Wire Connectors, supplied (Figure 36).

Connect Second Wall Control Black Wire labeled "TO FAN" to the "LOAD" (Black) Wire and secure with Wire Connector, supplied (Figure 36).

Connect the Second Wall Control Green Ground Wire to the Supply Ground Conductor (this may be a bare wire or wire with Green Colored insulation). Securely connect Wires with Wire Connector, supplied (Figure 36).

Screw the Second Wall Control onto the Wall Box using the supplied Screws. Leave the Wall Control in "OFF" mode until Fan installation is completed.

NOTE: Retrofit 3-way installations are likely to include two traveler wires between the two wall boxes. In new construction, only one traveler wire is required (See Figure 36).


⚠ WARNING

Check to see that all connections are tight and that no bare wires are visible at the wire connectors.


All Wall Controls are supplied with a White, Ivory, and Almond color Switch Covers. Choose the finish that best suits your needs and snap the Covers onto the Wall Controls (Figure 36).

Install Decorative Wall Plates using the two Screws provided with each Wall Plate. Leave the Wall Control in "OFF" mode until Fan installation is completed (Figure 36).

STANDARD WIRING FOR EXISTING 3-WAY CONTROLS
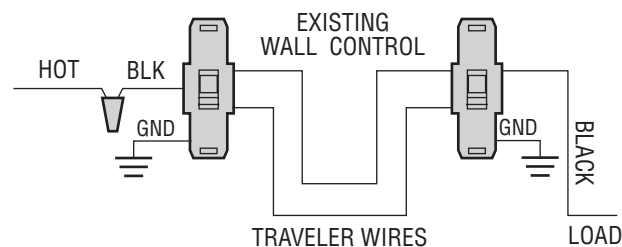
3-WAY WIRING DIAGRAM: RETROFIT
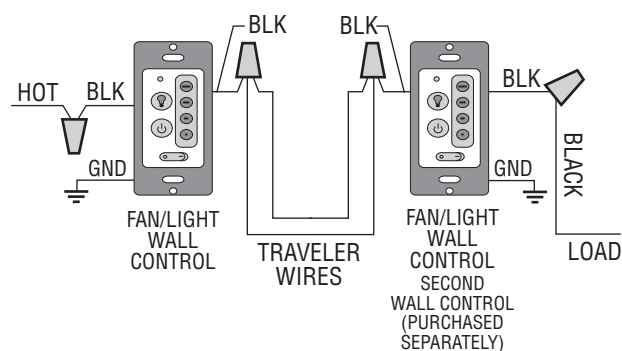
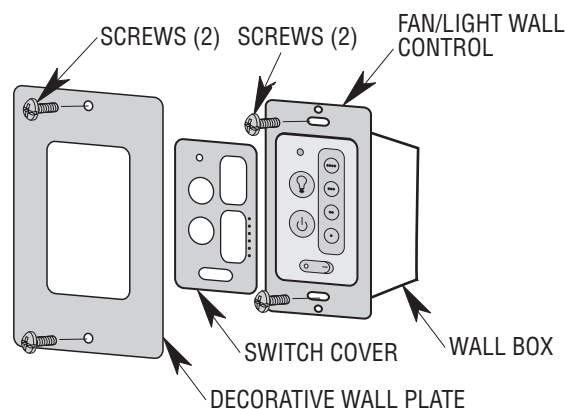### ALL WALL CONTROLS

Figure 36

9. Programming the Receiver Operating Frequency

PROGRAMMING THE RECEIVER OPERATING FREQUENCY

9.1

Turn the Wall Control ON/OFF Switch (⊙ ▭) to the "OFF" (**O**)position.

Restore Electricity to the Ceiling Fan Branch Circuit at the Circuit Breaker or Fuse Box.

Flip the Wall Control's ON/OFF Switch to "ON" (▬) position.

Within one minute of flipping the Switch to "ON", push and hold the FAN POWER OFF Button (⏻) for 3 to 5 seconds to set the Code in the Receiver. The Ceiling Fan Lights (if installed) will blink to indicate the Wall Control Code has been paired with the Receiver.

9.2

If programming is unsuccessful, retry the previous instructions after cycling the Wall Control ON/OFF Switch to restart the 1 minute programming time period.

9.3

If still unsuccessful, shut off the Electricity at the Fuse Box or Breaker Panel and change the Wall Control Frequency (page 20). After changing the Frequency Settings, repeat instruction 9.1 of this section within one minute of restoring the electricity.

10. Wall Control Operation

⚠ **WARNING**

Fan installation must be completed, including the installation of the fan blades, before testing the fan control.

Your Wall Control has full control of your Ceiling Fan and Light (Figure 37).

10.1

Flip the Wall Control ON/OFF Switch (⊙ ▭) to the "OFF" (**O**) position. Power will be turned OFF to the Fan and Light.

Flip the Wall Control ON/OFF Switch to the "ON" (▬) position. Power will be restored to the Fan and Light.

NOTE: When the switch is turned back ON the light and fan will resume operation as they were prior to the switch being turned OFF.

To turn the Ceiling Fan OFF: Press and release the FAN POWER OFF (⏻) Button.

To set the desired Fan Speed: Press One of the Four Buttons (**.**, **..**, **...**, **....**) to operate your Fan from Low to High Speeds.

To turn the Light ON and OFF: Press and release the LIGHT (💡) Button. The Light will turn ON at the Light Intensity previously selected.

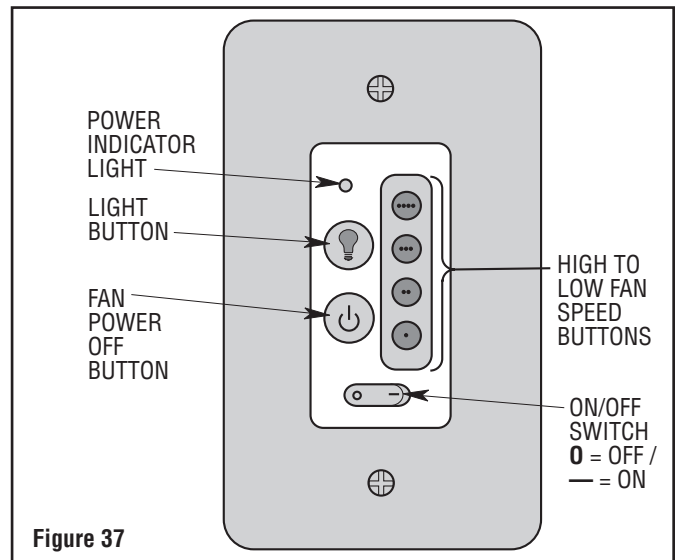**To set the Light Intensity:** Press and hold the LIGHT (💡) Button.

POWER INDICATOR LIGHT

LIGHT BUTTON

FAN POWER OFF BUTTON

HIGH TO LOW FAN SPEED BUTTONS

ON/OFF SWITCH
0 = OFF /
▬ = ON

Figure 37

NOTE:
During Summer Months: run the Fan Counter-Clockwise, as you look up at it, to direct airflow downward.

During the Winter Months: run the Fan Clockwise, as you look up at it, to direct airflow upward.

NOTE: For 3-way Installation: BOTH wall controls ON/OFF switch must be in the "ON" position for either control to function. With both wall controls "ON", the fan and light can be operated as described from either wall control.

NOTE: If your fan and light go ON and OFF without using your control, you may be getting interference from other remote units such as garage door openers, car alarms or security systems. To remedy this situations, simply change the transmitter code per 7.2 Section.

11. Using Your Ceiling Fan

11.1

Restore Electrical Power to the Outlet Box by turning the Electricity on at the Main Fuse Box.

During Summer Months, run the Fan Counter-Clockwise, as you look up at it, to direct airflow downward.

During the Winter Months, run the Fan Clockwise, as you look up at it, to direct airflow upward.

If airflow is desired in the opposite direction, turn the Ceiling Fan off and wait for the Blades to stop turning.

Slide the Reverse Switch (located on top of the Fan Motor Assembly) to the opposite position, and turn the Ceiling Fan on again (Figure 38).

The Fan Blades will turn in the opposite direction and reverse the airflow.

Figure 38
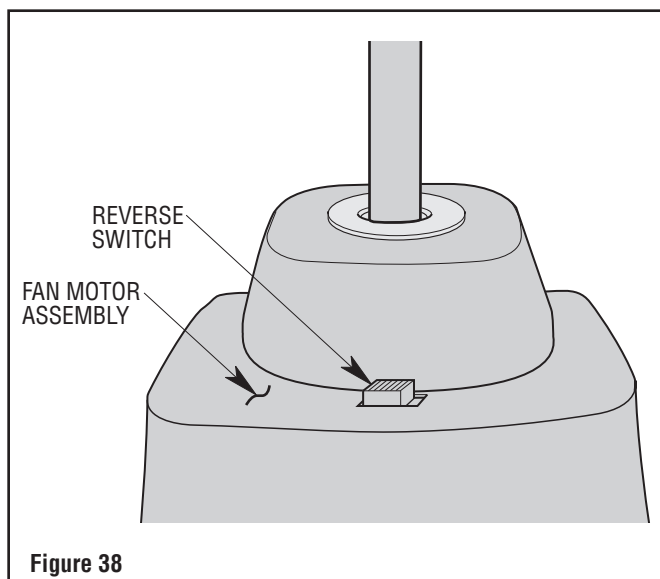
Reverse Switch Information

Season	Blade Rotation Direction
Summer	Counter-Clockwise
Winter	Clockwise

12. Maintenance

IMPORTANT CARE INSTRUCTIONS
for your Ceiling Fan

Periodic cleaning of your new ceiling fan is the only maintenance that is needed.

When cleaning, use only a soft brush or lint free cloth to avoid scratching the finish.

Abrasive cleaning agents are not required and should be avoided to prevent damage to finish.

⚠ WARNING

Do not use water when cleaning your ceiling fan. It could damage the motor or the blades and create the possibility of an electrical shock.

13. Troubleshooting

⚠ **WARNING**

FOR YOUR OWN SAFETY TURN OFF POWER AT FUSE BOX OR CIRCUIT BREAKER BEFORE TROUBLESHOOTING YOUR FAN.

TROUBLE	PROBABLE CAUSE	SUGGESTED REMEDY
1. Fan will not start.	1. Fuse or circuit breaker blown.	1. Check main and branch circuit fuses or circuit breakers. ⚠ **WARNING** **Make sure main power is turned OFF.**
	2. Loose power line connections to the fan.	2. Check line power connections to fan.
	3. Fan/Light wall control is OFF.	3. Turn ON fan/light wall control.
	4. Wall control is not programmed.	4. Program the wall control and receiver per the Owner's Manual instructions.
	5. Reverse switch in neutral position.	5. Make sure reverse switch position is all the way to one side.
2. Fan sounds noisy.	1. Blades not attached to fan.	1. Attach blades to fan before operating. ⚠ **WARNING** **Make sure main power is turned OFF.**
	2. Screws securing fan motor to motor hub are loose.	2. Check to make sure the screws which attach the blades to the motor are tight.
	3. Screws holding blades to motor are loose.	3. Tighten screws securely.
	4. The shade assembly is loose.	4. Tighten the shade assembly securely.
	5. Hanger bracket and/or ceiling outlet box is not securely fastened.	5. Tighten the hanger bracket screws to the outlet box, and/or secure outlet box.
3. Fan wobbles excessively.	1. Screws securing fan blades to motor are loose.	1. Check to be sure screws which attach the fan blade to the motor are tight.
	2. Set screw in motor coupler is loose.	2. Raise coupler cover and tighten the set screw securely.
	3. Fan blades out of balance.	3. Interchanging an adjacent (side by-side) blade pair can redistribute the weight and result in smoother operation. Or use supplied balancing kit to balance blades.
	4. Hanger bracket and/or ceiling outlet box is not securely fastened.	4. Tighten the hanger bracket screws to the outlet box, and/or secure outlet box.
	5. Set screw in hanger ball/downrod assembly is loose.	5. Tighten the set screw in the hanger ball/downrod assembly.
	6. Screws securing fan motor to the motor hub are loose.	6. Check to be sure the screws which attach the motor to the motor hub are tight.
4. Light fixture will not illuminate.	1. Loose electrical connectors.	1. Shut off the branch circuit electricity at the fuse box or breaker panel and check the electrical connectors for proper installation.

14. Energy Efficient Use of Ceiling Fans

Ceiling fan performance and energy savings rely heavily on the proper installation and use of the ceiling fan. Here are a few tips to ensure quality and product performance.

Choosing the Appropriate Mounting Location. Ceiling fans should be installed, or mounted, in the middle of the room and at least 7 feet above the floor and 18 inches from the walls. If ceiling height allows, install the fan 8 - 9 feet above the floor for optima airflow.

Using the Ceiling Fan Year Round. In the summer, use the ceiling fan in the counter-clockwise direction. The airflow produced by the ceiling fan creates a wind-chill effect, making you "feel" cooler. Select a fan speed that provides a comfortable breeze, lower speeds consume less energy. In the winter, reverse the motor and operate the ceiling fan at low speed in the clockwise direction. This produces a gentle updraft, which forces warm air near the ceiling down into the occupied space. Remember to adjust your thermostat when using your ceiling fan - additional energy and dollar savings could be realized with this simple step!

Turn Off When Not in the Room. Ceiling fans cool people, not rooms. If the room is unoccupied, turn off the ceiling fan to save energy.

15. Instruction to the User (if device contains a digital device)

This equipment has been tested and found to comply with the limits for a class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.

- Increase the separation between the equipment and receiver.

- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

- Consult the dealer or an experienced radio/TV technician for help.

This equipment has been certified to comply with the limits for a class B computing device, pursuant to FCC Rules. In order to maintain compliance with FCC regulations, shielded cables must be used with this equipment. Operation with non-approved equipment or unshielded cables is likely to result in interference to radio and TV reception. The user is cautioned that changes and modifications made to the equipment without the approval of manufacturer could void the user's authority to operate this equipment.

> This Class B digital apparatus meets all requirements of the
> Canadian Interference-Causing Equipment Regulations.