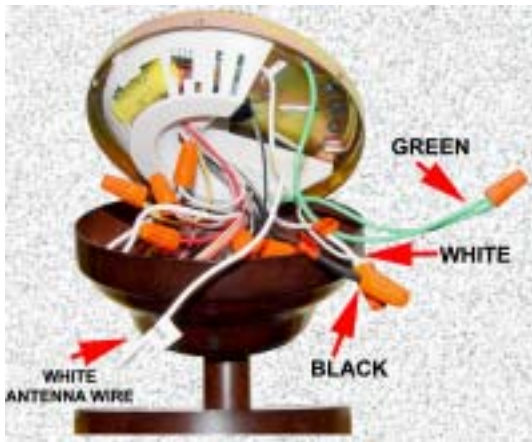




CANOPY RECEIVER CUP - INSTALLATION
W-500 CONVERSION TO W-505 RECEIVER AND TRANSMITTER
 Page 1 of 13

TYPE INFORMATION	APPLIES	SPECIFIC	RELEASE
TECHNICAL INFORMATION COSMPOLITAN SERIES FANS CONVERSION INFORMATION INSTALLED IN CANOPY	FIELD SERVICE W-500 RECEIVER AND TRANSMITTER AS NEEDED	COSMPOLITAN SERIES CONVERSION INFORMATION	DATE : 5-17-2007 TECHNICAL BULLETIN RELEASE TB05172007A W500 TO W505 CONVERSION



(Figure #1)

INFORMATION ONLY

The information within this document will help you when converting the W-500 Receiver in the Canopy Receiver Cup as shown (Figure #1) to W-505 Receiver. Covered is how to wire and install. Also covered, are different wiring diagrams you might need. The removal of the canopy trim ring and helpful hints on how to make the job a little easier, when the third hand or second person is required.



W-500 Transmitter and Receiver



Part # 9001620
RECEIVER
W-505
(NO Dip Switches)



Part # 9001610
W-505 (Transmitter)

NOTE: Both RECEIVER and TRANSMITER MUST be replace as a set or this repair will NOT work.

New changes have made to both the channel settings and operation of the electronics of the New W-505 receiver and transmitter. The jumper where removed from both the receiver and transmitter and dip switches were added only to the transmitter for easy setup. Changing the channel on the fan is not done by changing the dip switch, but by pressing a series of buttons on the W-505 wall control, as covered in the Operation section of this technical bulletin.

Convert W500 to W505 - **Continued**

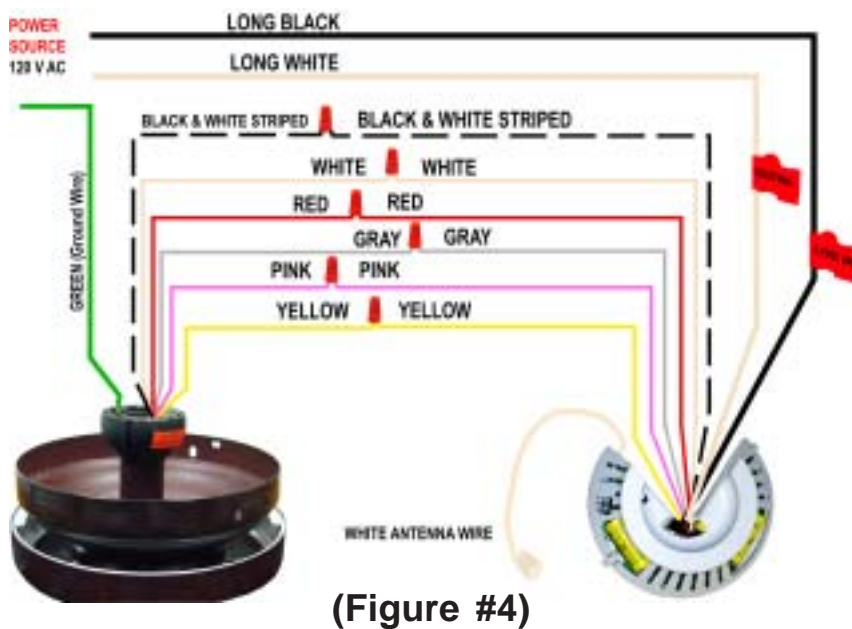
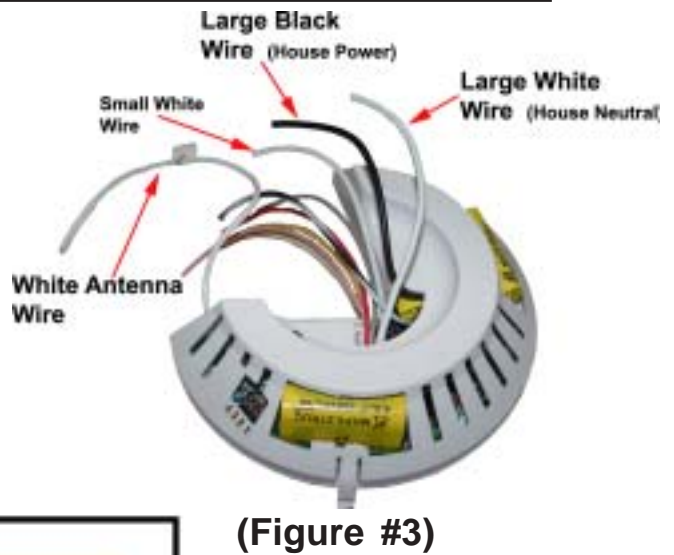
Step #1:

You will need to cut the plug from the end of wires, cut the wires as close to the plug as shown in (figure #2)



Step #2:

Locate the LARGE BLACK AND WHITE WIRES, mark the large white wire as NEUTRAL as shown in (figure #3) and mark the large black wire as HOUSE POWER (Hot Wire) as shown in (figure #4)



REMOVAL - (OLD RECEIVER)

RECEIVER REPLACEMENT:

CAUTION: To avoid possible electrical shock, make certain that electricity is turned off at the circuit breaker or fuse box before attempting any repair procedure.

**CIRCUIT BREAKER
(TRIP BREAKER FOR CIRCUIT
YOU WILL BE WORKING ON)**

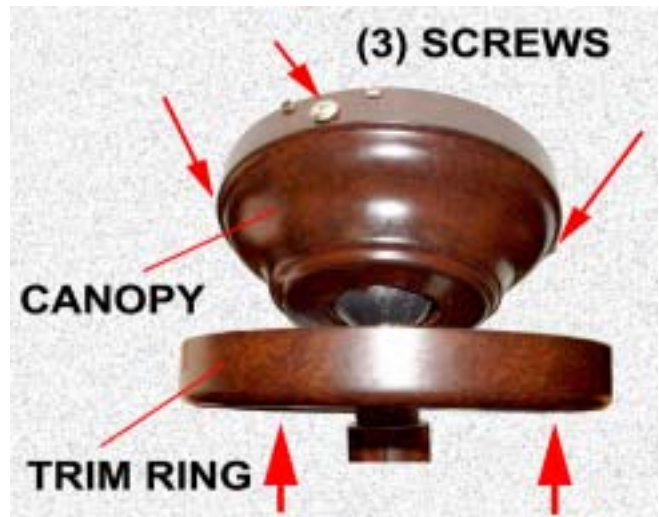


Step #3:

Locate the trim ring as shown in (figure #7 and figure #8) and with your fingers pull down unsnapping trim ring uncovering the three (3) canopy screw cover as shown in (figure #8)



(Figure #7)



(Figure #8)

Step #4:

Before removing the three (3) screws, locate the canopy cover hanger hook as shown in (figure #9). Remove the (3) three screws and let the canopy cover hang on the hook as shown. Locate the house wires that are connected to the W-500 receiver wires and remove them from the canopy cover.



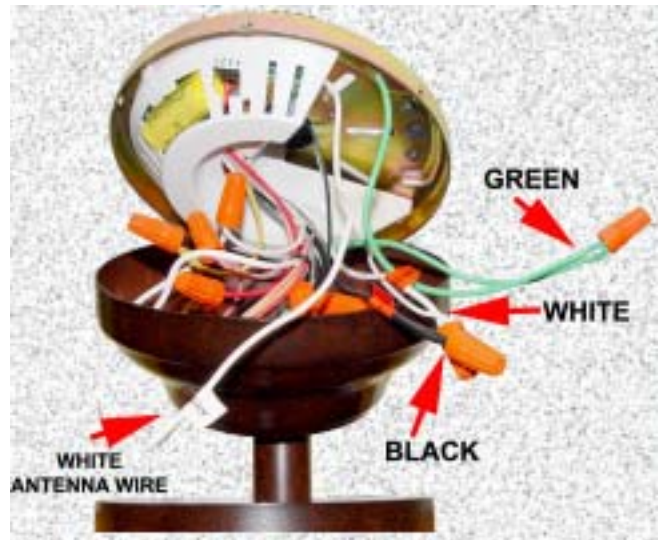
(Figure #9)

Convert W500 to W505 - Continued

Step #5:

You should have 3 groups of wires, HOUSE WIRES, RECEIVER WIRES AND WIRES FROM THE FAN that need to be disconnected. First locate the BLACK, WHITE AND GREEN wires as shown in (figure #9) from the ceiling fixture outlet box. Disconnect the black, white and green wires of the receiver from the house wiring.

Then remove all of the wire nuts from wires as shown in (figure #10).



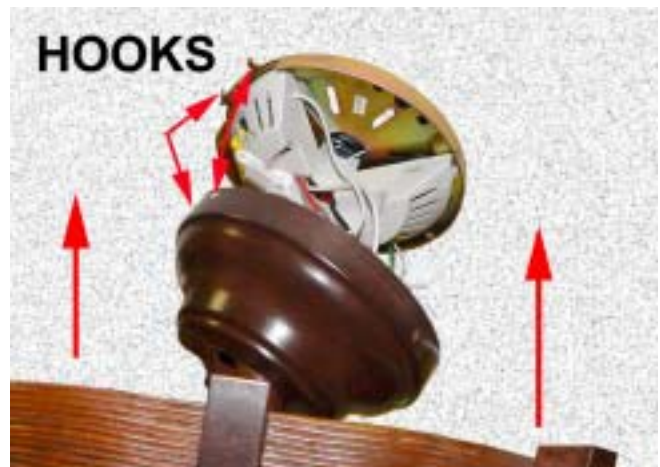
(Figure #9)

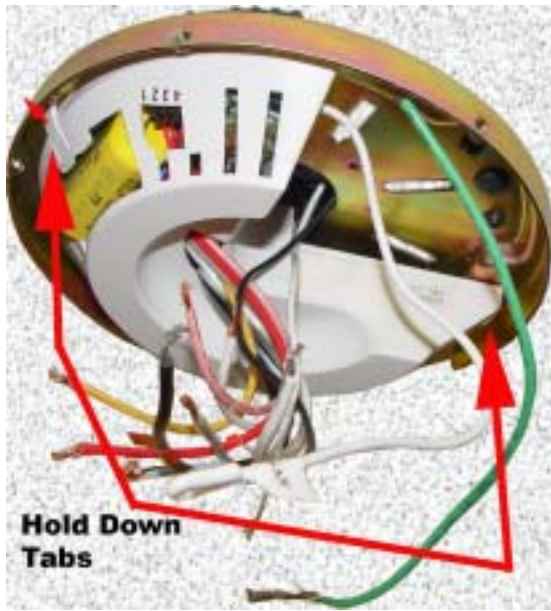


(Figure #10)

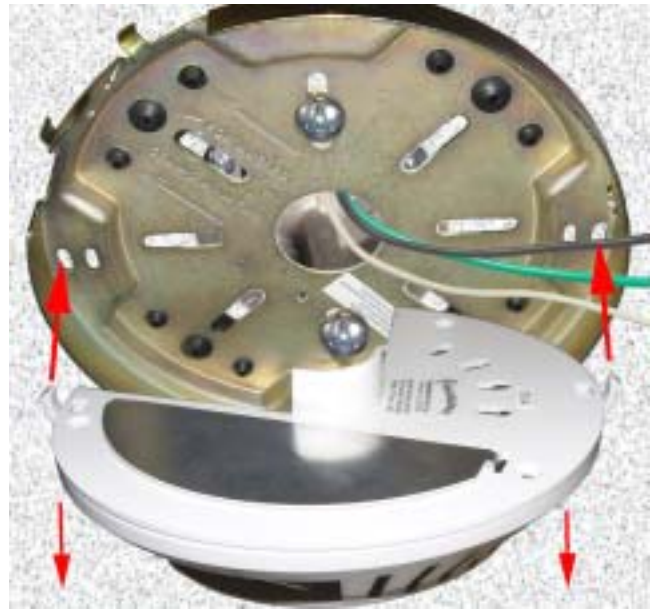
Step #6:

Carefully lift up the fan and canopy, then remove canopy and fan from the 2 hooks on the ceiling plate from the rectangular slots as shown. Once the fan has been removed from the ceiling, place the fan on to the top of the ladder and on to the floor out of the way in a safe place so the fan does not get damaged.





(Figure #11)



(Figure #12)

Step #7:

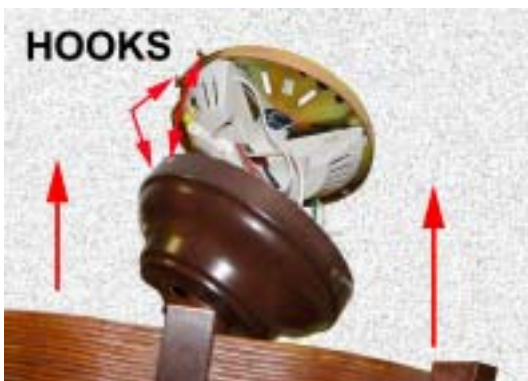
Locate the two (2) hold down tabs on the receiver as shown in (figure #11) and with a small screw driver carefully push out on the hold down tab pulling down on the receiver unfastening it from one side of the receiver. Repeat this for the other hold down tab removing the receiver from the mounting plate as shown in (figure #12).

Once you have removed the old receiver, reverse step #6 and reinstall the new W-505 receiver and continue with the steps below to complete your installation.

W-505™



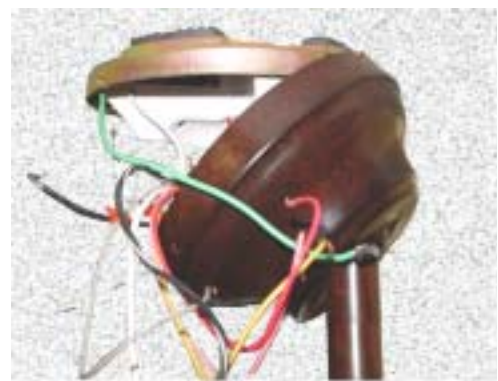
INSTALLING THE W505 RECEIVER



(Figure #1)

Step #1:

Locate the 2 rectangular slots and 1 oblong hole on the rim of the canopy. Carefully lift up the fan and canopy and hang the canopy on the 2 hooks on the ceiling plate through the rectangular slots as shown in (figure #1).



(Figure #2)

Step #2:

You should have 3 groups of wires, HOUSE WIRES, RECEIVER WIRES AND WIRES FROM THE FAN. Pull the long wires from the fan out of the canopy and pull them to one side as shown in (figure #2).

Convert W500 to W505 - **Continued**

Step #2:

Do Not connect the power wires at this time, we will first connect the receiver wires to the fan wires. Connect the YELLOW wire from the receiver to the YELLOW wire from the fan. Secure with a wire nut.

Connect the PINK wire from the receiver to the PINK wire from the fan. Secure with a wire nut.

Connect the RED wire from the receiver to the RED wire from the fan. Secure with a wire nut.

Connect the rest of the wires from the FAN to the receiver accordingly:

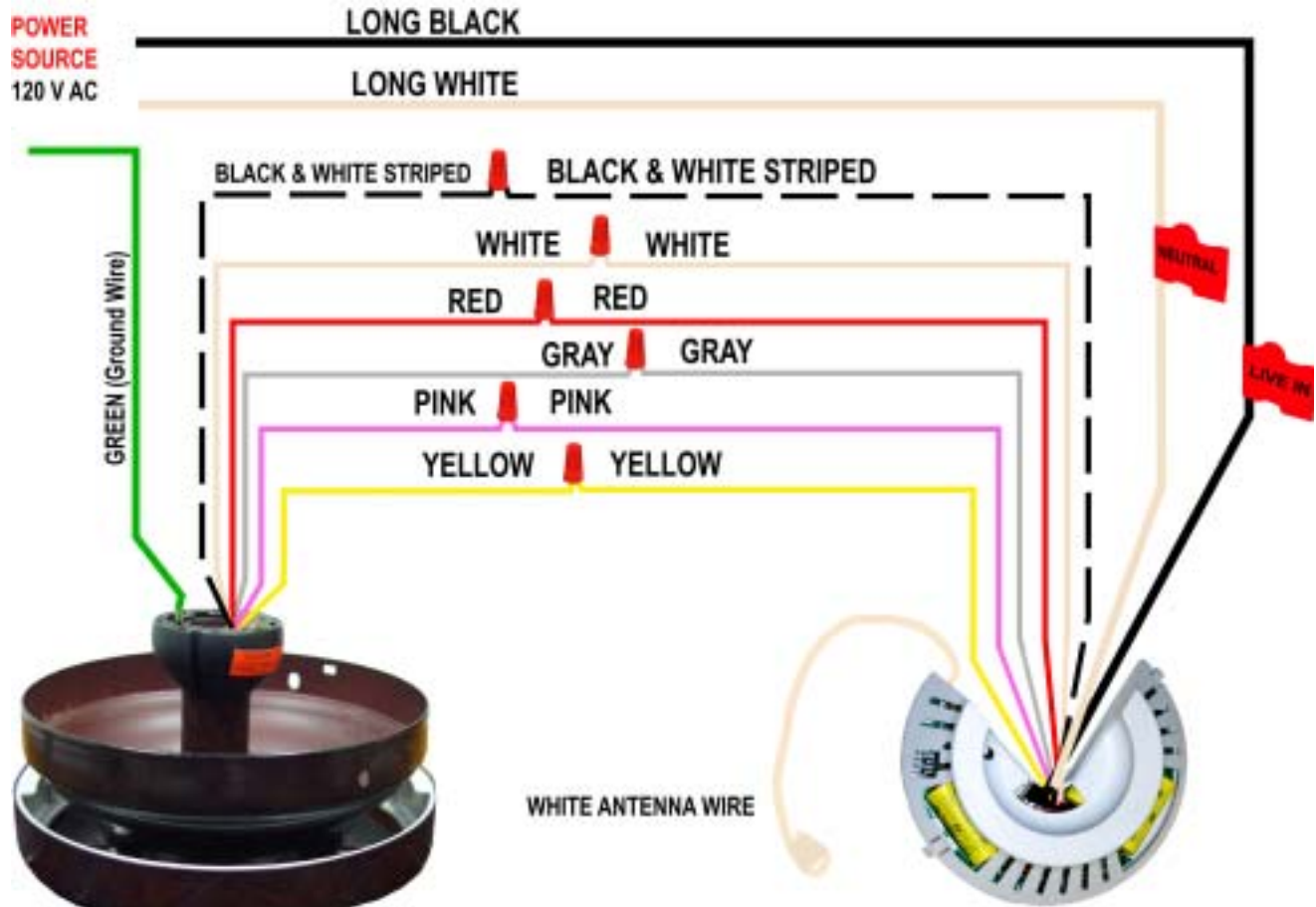
BLACK/WHITE from fan to BLACK/WHITE from receiver.

Secure each connection with a wirenut as shown.



(Figure #3)

ELECTRICAL WIRING DIAGRAM



(Figure #4)

CAUTION! Do NOT connect the white ANTENNA WIRE to power, this will cause damage to the product and may cause an electrical shock.

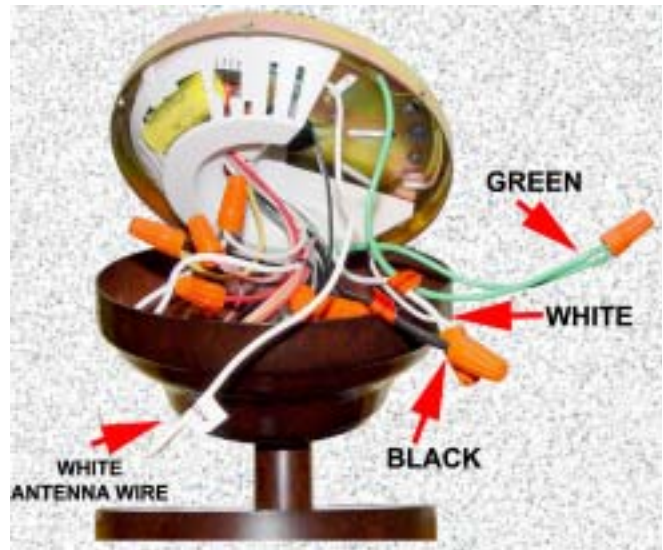
Step #3:

Locate the BLACK, WHITE AND GREEN wires from the ceiling fixture outletbox.

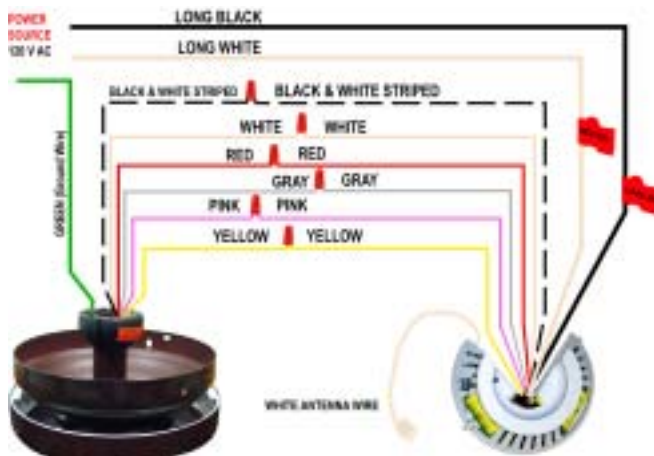
Connect the GREEN leads from the ceiling plate and fan to GROUND conductor of power source. Secure with a wire nut.

Connect the LARGE WHITE wires from the receiver that you marked with a NEUTRAL tag, to the NEUTRAL wire in the ceiling fixture outlet box. Secure with a wire nut.

Connect LARGE BLACK wire from the receiver that you marked with a tag HOUSE POWER, to the BLACK power wire in the ceiling outlet box. Secure with a wire nut as shown in (figure #5).



(Figure #5)



(Figure #6)

NOTE: After wiring is complete check all connections as shown in (figure #6) making sure that all connections are correct and ensure that all of the wire nuts are tight and there are no bare wires visible at the wire connectors.

Step #4:

Tuck in all the wires into the canopy as shown in (figure #7).



(Figure #7)

Step #5:

With all of the wires tucked in as shown in (figure #8), it is time to close the canopy. By lifting up on the fan and at the same time swinging the canopy closed. In some cases this may take two people.



(Figure #8)

Note: Before starting step #6, review page #10 on helpful hints for closing the canopy without needing the third hand or another person to help.

Step #6:

Once you have the canopy closed and screw holes lined up, screw in the three screws as shown.

Now it is time to lift the trim ring up and into place. Once you get the trim cover up over the 3 screws, lift it a little higher until the trim ring snaps into place as shown. Congratulations, you're done with the wiring, check your work and finish installing your fan.



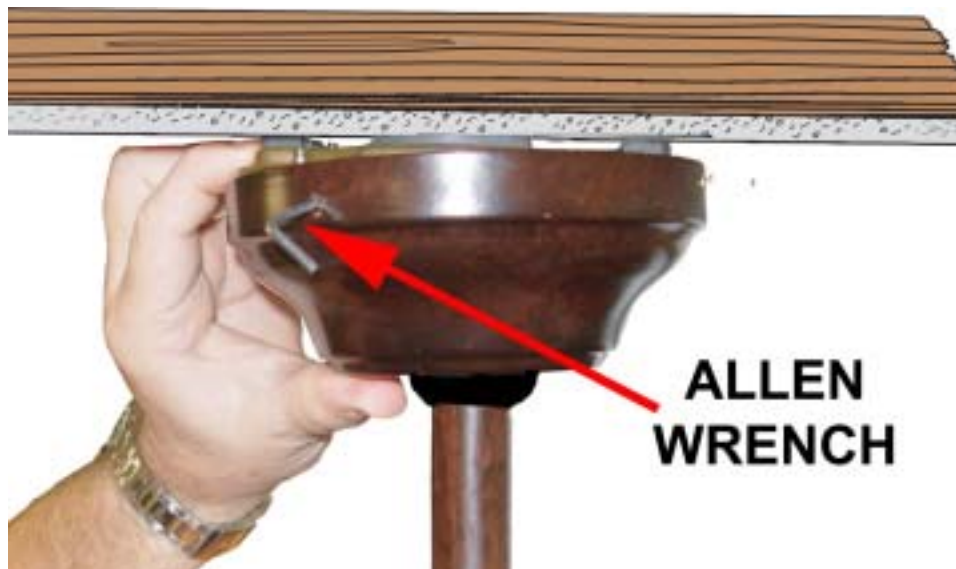
HELPFUL HINTS FOR INSTALLATION

CLOSING THE CANOPY

When trying to close the canopy and you may need that third hand, or another person to help. One thing that you can do, is use the ALLEN WRENCH that you used to tighten the set screw on the pole to help you.

Step 1. With your left hand lift up on the canopy, lifting the fan and at the same time line up the screw hole on the canopy and screw hole on the ceiling plate. And with the right hand insert the ALLEN WRENCH as shown.

Step 2. With the ALLEN WRENCH holding the canopy and fan in place as shown, you will be able to put in the screws with out trying to hold everything by your self.



W505 Receiver Installation - CONTINUED



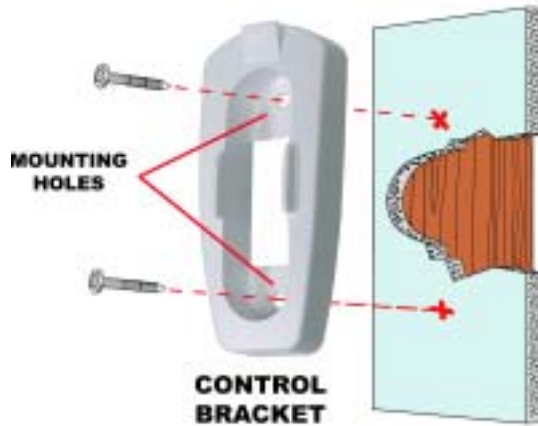
W-505™ CONTROL BRACKET INSTALLATION

Wall Installation

Step A. Locate a 2x4 wall stud in a convenient location.

Step B. Orient the control bracket as shown over the 2x4 stud.

Step C. Use the 1" wood screws in either the inner or outer mounting holes. Install and tighten screws by **hand** only.



Note: The wall anchors and 6-32 x 1" screws may be used in situations where mounting to a stud is not possible. Use the inner mounting holes. After securing the anchor's pointed end, discard the anchor's pointed screws and use the 6-32 decor ovalhead screws supplied.



DRYWALL ANCHOR



DECOR OVALHEAD SCREWS

Changes or modifications not expressly approved in writing by Casablanca Fan Co. may void the user's authority to operate this equipment.

This device complies with RSS-210 of Industry Canada. Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

W-505™ BATTERY INSTALLATION

Wall Controls - CONTINUED

Remove Battery Door

Turn control on its front. Twist a coin or use your finger to unsnap the door **A**. Lift door away from control **B** and remove **C**.



Install Battery

Press battery into control aligned as shown. Observe proper polarity. Replace the battery door.



12V BATTERY



Changes or modifications not expressly approved in writing by Casablanca Fan Co. may void the user's authority to operate this equipment.

This device complies with RSS-210 of Industry Canada. Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Wall Controls - CONTINUED

CHECKING THE SWITCH SETTINGS

Note: All fans leave the factory set to “0000.”

You will only have to change the dip switch settings in the remote if you are using more than one fan in the same area and want to control them separately.

Step 1. At the circuit breaker or fuse box, turn the power off for the fan you want to change.

Step 2. Open the battery door of the Prime•Touch control and remove the batteries.

Step 3. Change the dip switch settings, assuring that they are different from the previously installed Prime•Touch fan.

Step 4. Re-install the batteries and the battery door on the control.

Step 5. At the circuit breaker or fuse box, turn the power back on for the fan whose frequency you are changing.

Step 6. Within 20 seconds of restoring power, push the HIGH, MED, and LOW buttons (in that order).

Note: You may want to label your controls to assure you do not mix them up.

If the fan is not functioning after installation:

Step 1. Check to make sure that batteries are installed correctly in the control.

Step 2. Turn the power off to the fan (from the circuit breaker) for at least 5 seconds.

Step 3. Turn the power back on (at the circuit breaker) and push the HIGH, MED, and LOW buttons—in that order—within 20 seconds.

Step 4. The fan should now function properly.



Dip Switch Set to “1 0 0 0”



Dip Switch Set to “0 1 0 1”



WARNING!

Do not turn the power off at the circuit breaker, then back on, for the previously installed Versa•Touch2 fan(s), as you may inadvertently change the frequency settings for it as well.



Circuit Breaker Box

HIGH 3
MED 2
LOW 1



Wall Controls - ***CONTINUED***



W-505™ PLACING CONTROL ON TO THE HOLDER

Control Storage

Angle control in top first until the unit can be gently pushed back and snapped into place.



Removing Control

Gently Pull the lower edge of the control out from the holder.

W-505™ OPERATION

Fan Control

To start the fan. Press the selected speed button to run the fan at the desired speed.

•=Low speed ••=Medium speed •••=High speed

To turn off the fan. Press the FAN OFF button.

Airflow Direction

To reverse the airflow press the REVERSE button. Reverse operates at any speed whether fan is on or off. The fan returns to its set speed after reversing.

Light Control

Turn the light on or off independently from the fan by pressing the LIGHT button. Keep pressing the button in excess of 0.7 seconds, it becomes a dimmer. The light varies from 'bright' to 'dim' over approximately 8 seconds. This sequence will reverse the light when it reaches the brightest or dimmest level if you continue to hold the LIGHT button. Release the button when the desired level is reached.



PROBLEM	TROUBLESHOOTING W-505 CONTROLS	POSSIBLE REMEDIES
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Before Requesting Service: Please follow this troubleshooting guide before contacting your dealer for assistance.

FAN WILL NOT START	<ul style="list-style-type: none"> •Check main circuit fuses, circuit breakers, or wall switch position. Check all wire connections, making sure the power is turned off during this inspection. •Pin connectors are not making good contact. Check the connections in the switch housing and under the top cover. •Battery weak - install fresh Alkaline battery. •Fan receiver defective - replace. •Check the frequency setting: Turn power off, at the circuit breaker, only for the fan not functioning for at least 5 seconds; turn the power back on; within 20 seconds press the Hi, Med, and Lo buttons (in that order) to set the frequency of the fan to the control. 	
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FAN WOBBLES OR SHAKES EXCESSIVELY	<ul style="list-style-type: none"> •Be sure canopy pin is properly set into the slot on the ball. •Check that bladeholders have not been bent during installation and blades are balanced. •Hanger bracket and/or ceiling outlet are loosely attached: Make sure that the hanger bracket is tightly attached to the ceiling outlet box. Make sure that the downrod assembly is secured firmly. •Downrod is loosely attached to downrod base: Make sure that all screws are securely tightened . 	
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FAN NOISY DURING OPERATION	<ul style="list-style-type: none"> •Check and tighten light fixture retaining screws, glass shade screws and/or the light bulb(s). •Tighten canopy screws and mounting plate assembly. Check that the wire nuts inside the canopy and switch housing are not touching the metal parts or have fallen off the wire splices. Tighten as necessary. •Tighten blade holders to flywheel (or direct drive motor) and blade to bladeholder screws. •Make sure all screws in the motor housing are snug, but not overly tight. Defective bulb: Replace bulb. 	
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DOES NOT RUN ON LOW SPEED	<ul style="list-style-type: none"> •If new, "break-in" may be required - run at higher speed for several days. 	
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BATTERY LIFE SEEMS SHORT	<ul style="list-style-type: none"> •Not using Alkaline batteries: Replace with Alkaline batteries. 	
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- **LIGHT O.K., NO FAN:** Pin connectors are not making good contact, check 9 pin connector under top cover.
- **FAN O.K., NO LIGHT;** Defective receiver; Replace receiver. Defective motor; Replace motor. Broken socket; Replace socket.
- **FAN AND LIGHT ON FULL, NO CONTROL;** Defective receiver; Replace Receiver.
- **MISSING ONE SPEED:** Defective receiver; Replace Receiver.
- **FAN DOESN'T CHANGE SPEED, LIGHT O.K.:** Replace receiver.
- **FAN O.K., LIGHT NOT DIM:** Defective receiver; Replace Receiver.
- **NO REVERSE:** Defective receiver; Replace Receiver.
- **FAN OPERATES ONLY WHEN TRANSMITTER IS CLOSED:** Check antenna wire is not touching metal plate.
- **FAN STARTS WORKING BY ITSELF: Frequency interference;** Change frequency as described on Page 2.

1.This device complies with Part 15 of the FCC Rules.Operation is subject to the following two conditions: (1) this device may not cause harmful interference,and (2) this device must accept any interference received,including interference that may cause undesired operation.

2.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. Note: Any changes or modifications to the transmitter or receiver not expressly approved by Casablanca Fan Company may void one's authority to operate this remote control.

Convert W500 to W505 - **END**