CEILING FAN INSTALLATION AND OPERATION MANUAL

(MODEL NUMBER:AC−22852)

READ AND SAVE THESE INSTRUCTIONS

SAFETY PRECAUTIONS

WARNING-INSTALLATION SHOULD BE PERFORMED BY A QUALIFIED ELECTRICAN

1. To ensure the success of the installation, be sure to read the instructions and review the diagrams thoroughly before beginning.
2. All electrical connections must be in accordance with local codes, ordinances or National Electrical Code. If you are unfamiliar with methods of installing electrical wiring secure the services of a qualified electrician.
3. Make sure that your installation will not allow rotating fan blades to come in contact with any object.
4. If you are installing more than one ceiling fan, make sure that you do not mix fan blade sets.
5. Only mount fan to outlet box marked acceptable for ceiling fan.
6. Installation to a concrete ceiling should be performed by a qualified electrician.
7. Before beginning, disconnect power by removing fuse or turning off circuit breaker.
8. After fan is completely installed, make sure that all connections are secured to prevent fan from falling.
9. Do no insert anything into the fan blades while ceiling fan is operating.
10. The fan must be mounted with the blades at least 2.1m from the floor to minimum the possibility of accidental contact with the fan blades.
11. The supply wires Live & Neutral must be connected to wall switch (double poles) having a contact separation at least 3mm in all poles.

NOTE : The import safeguards and instructions appearing in the manual are not meant to cover all possible conditions and situations that may occur. It must be understood that common sense. Caution and carefulness are factors which cannot be built into any product. These factors must be supplied by the person(s) caring for and operating the unit.

WARNING	**WARNING**
To reduce the risk of personal injury, do not bend the blades when installing the blades, balancing the blades or cleaning the fan. Do not insert foreign objects between rotating fan blades.	The box must be supported directly by the building structure. The box and its support must be able support the fan weight - must not twist or work loose. Do not use plastic boxes.

Putting Your Fan Together

1. Remove the hairpin clip & washer from the clevis pin and remove clevis pin from down rod. (see Fig.1)

2. Insert the down rod through the center opening in the canopy,coupling cover and route the motor leads through the hanger ball/downrod assembly. Align the clevis pin holes in the downrod with the holes in the motor coupling. The clevis pin must pass through the holes in the motor coupling and the downrod. Place the washer onto the clevis pin and install the hairpin clip making sure to push straight leg of the hairpin clip through the hole near hanger ball to make sure the clevis pin is properly installed(see Fig.2)

3. Reinstall the 2 set screws in the motor coupling and securely tighten set screws against the down rod assembly.
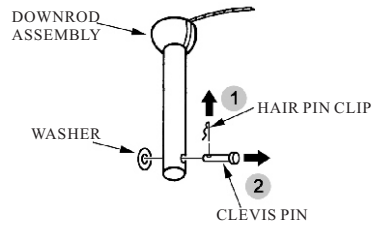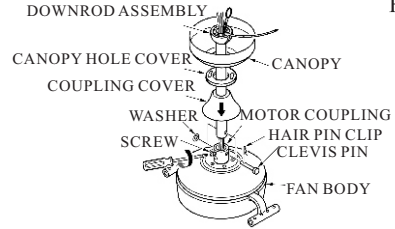
Installing Blade Assembly

Insert one side of blade into the blade arm on the fan body until the holes were aligned and tighten the two screws to fix it, Then, insert the other side of blade into the blade arm and tighten the screws as the same way. (see Fig 3)

Caution: To reduce the risk of personal injury. Do not bend the blade when installing, balancing or cleaning the fan. Do not insert foreign objects between rotating fan blades.

Hanging Your Ceiling Fan

1. Securely attach the hanger bracket to the outlet box by washers and screws suppplied. Connect white wire from ceiling to white wire from receiver with wire nut. Connect black wire from ceiling to black wire from receiver with wire nut. (see Fig.4)

2. Carefully lift the fan and seat the down rod ball assembly on the hanger bracket. Be sure the groove in the ball is lined up with tab on the hanger bracket . Do not pinch wires between the ball and down rod assembly and hanger bracket (see Fig.5)

3. Install the safety cable into the building structure. (see Fig.6)
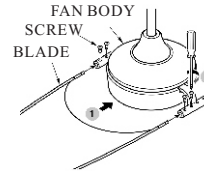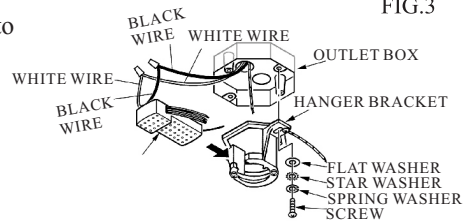

DOWNROD ASSEMBLY
HAIR PIN CLIP
WASHER
CLEVIS PIN

FIG.1

DOWNROD ASSEMBLY
CANOPY HOLE COVER
CANOPY
COUPLING COVER
WASHER — MOTOR COUPLING
SCREW
HAIR PIN CLIP
CLEVIS PIN
FAN BODY

FIG.2

FAN BODY
SCREW
BLADE

FIG.3

BLACK WIRE — WHITE WIRE
WHITE WIRE
OUTLET BOX
BLACK WIRE
HANGER BRACKET
FLAT WASHER
STAR WASHER
SPRING WASHER
SCREW

FIG.4

RECEIVER
HANGER BRACKET
DOWNROD

FIG.5

CEILING
SATETY CABLE
HANGER BRACKET
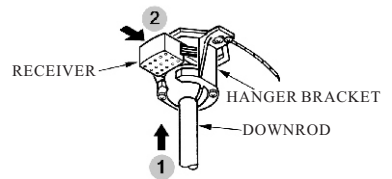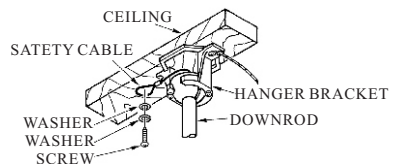WASHER
DOWNROD
WASHER
SCREW

FIG.6

Wiring Your Ceiling Fan
Caution: To avoid possible electrical shock, be sure electricity is turned off at the main fuse box before wiring.

1. If you are not sure that the electrical box is grounded,contact a licensed electrician for advice.It must be grounded for safe operation.

2. Connect the red wire from receiver to the red wire from fan with wire nut .Connect the purple wire from receiver to the purple wire from fan with wire nut.Connect the blue wire from receiver to the blue wire from fan with wire nut. Connect the grey wire from receiver to the grey wire from fan with wire nut. Connect the white wire from receiver to the white wire from fan with wire nut.Connect the green wire from ceiling,and green wire from hanger bracket with green wire from downrod ball with wire nut.(see Fig.7)

3.Remove one of screws and loosen the other screw from the hanger bracket. (see Fig.8)

4. Mount the canopy on the hanger bracket and tighten the screws.(see Fig.9)

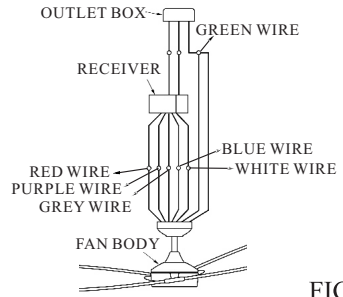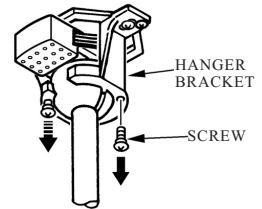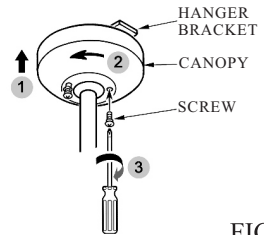5. Place the canopy hole cover over the screws and twist the cover to tighten. (see Fig.10)

OUTLET BOX
GREEN WIRE
RECEIVER
BLUE WIRE
WHITE WIRE
RED WIRE
PURPLE WIRE
GREY WIRE
FAN BODY

FIG.7

HANGER BRACKET
SCREW

FIG.8

HANGER BRACKET
CANOPY
SCREW

FIG.9

CANOPY
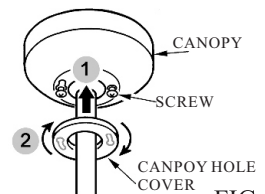SCREW
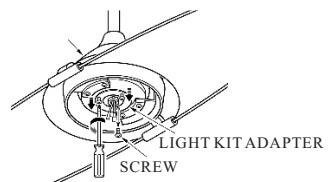CANPOY HOLE COVER

FIG.10

LIGHT KIT ADAPTER
SCREW

FIG.11

Installing The Light Kit

1. Remove 1 of 3 screws on light kit adapter,and loosen the other 2 screws. (See Fig.11)

2. Gently pull the wire through light kit plate.Have the key hole over the loosened the screws.Turn the light kit plate until it get the end of narrow end. Then, tighten the previously removed and loosened screws.(see Fig.12 & 13)

3.Remove 3 screws on light kit plate.（see Fig.14)

4. Plug together light kit wires from fan to light kit wires from LED light（see Fig.15)

5. Tighten the light kit by using the 3 screws removed in step 3 (see Fig.16)

6. Attach the PC shade by locating tabs in light kit with grooves on the light shade and twist clockwise until tight（see Fig.17)
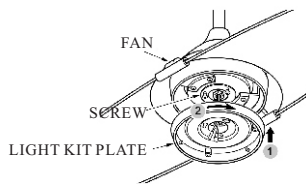
FAN
SCREW
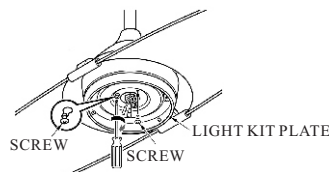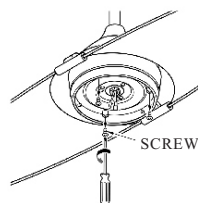LIGHT KIT PLATE

FIG.12

SCREW
LIGHT KIT PLATE
SCREW

FIG.13

SCREW

FIG.14

LIGHT KIT PLATE
LED LIGHT

FIG.15

LIGHT KIT PLATE
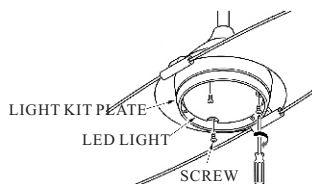LED LIGHT
SCREW
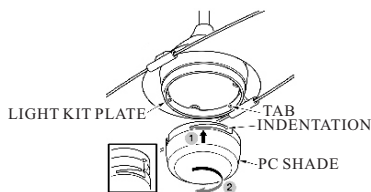
FIG.16

LIGHT KIT PLATE
TAB
INDENTATION
PC SHADE

FIG.17

4
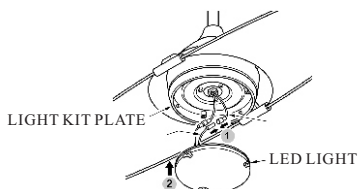
Operation in Summer

In warm weather, the reverse switch should be set to produce a downward flow of air. The constant, gentle breeze will transfer heat from your body; thus, you will feel cooler even if the temperature remains unchanged. This cooling effect is referred to as a wind-chill factor. In an air-conditioned home, the wind-chill factor will allow you to set the thermostat higher than the usual setting. While using less energy to air-condition your home, you will stay just as cool.

For summer cooling, set the speed control on medium or fast speed. This will provide sufficient airflow to accomplish a cooling effect. The exception to this is in bedrooms where a brisk, downward flow would be too chilly. A low-speed, gentle breeze is all that is necessary to keep you comfortable at night.

SUMMER

Air is blown down, producing a cool breeze
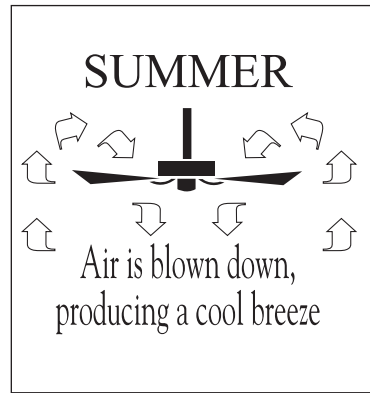
Operating in Winter

Winter comfort requires a different approach. Because warm air rises the air close to the ceiling is always warmer-by perhaps 15 degrees-than the air close to the floor. To prevent heat from hovering where it does little good, move the reverse switch to create an upward airflow. This will pull cool air up and force warm air across the ceiling and down the walls. Set the variable speed control fast enough to break up the air stratification, but slow enough not to create a draft. By keeping the heat circulating, the heater will not have to operate as often to keep you warm.

WINTER

An upward airflow will push warm air off the ceiling and circulate it downwards
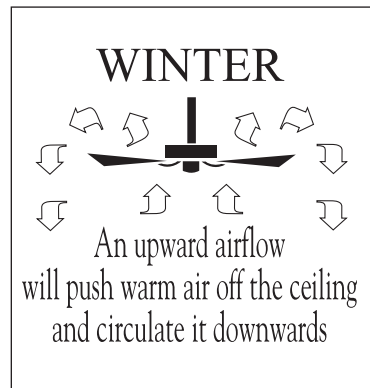
CARE OF YOUR FAN

Here are some suggestions to help you maintain your fan.

1. Because of the fan's natural movement, some connections may become loose. Check the support connections, brackets, and blade attachments twice a year. Make sure they are secure. (It is not necessary to remove fan from ceiling.)

2. Clean your fan periodically to help maintain its new appearance over the years. Use only a soft brush or lint-free cloth to avoid scratching the finish. The plating is sealed with a lacquer to minimize discoloration or tarnishing. Do not use water when cleaning. This could damage the motor, or the wood, or possibly cause an electrical shock.

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

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

TROUBLESHOOTING

Problem	Solution
Fan will not start.	1. Check main and branch circuit fuses or breakers. 2. Check line wire connections to the fan and switch wire connections in the switch housing. 3. Check to make sure the dip switches from the transmitter and receiver are set to the same frequency.
Fan sounds noisy.	1. Make sure all motor housing screws are snug. 2. Make sure the screws that attach the fan blade bracket to the motor hub are tight. 3. Make sure wire nut connections are not rattling against each other or the interior wall of the switch housing. 4. Allow a 24-hour "breaking-in" period. Most noises associated with a new fan disappear during this time. 5. If using ceiling fan light kit, make sure the screws securing the glassware are tight. Check that the light bulb is also secure. 6. Make sure there is a short distance from the ceiling to the canopy. It should not touch the ceiling. 7. Make sure your ceiling box is secure and rubber isolator pads are used between mounting bracket and outlet box.
Remote control malfunction.	1. Do not connect the fan with a wall mounted variable speed control(s). 2. Make sure the dip switches are set correctly.
Lights shut off and will not come back on.	1. This unit may be equipped with a wattage limiting device. Lamping in excess of 190 watts will disable your ceiling fan's light kit. To reset your light kit you must turn the power off and relamp, keeping the wattage under 190 watts. Restore power to your ceiling fan and continue normal operation.
Fan wobble.	1. Check that all blade and blade arm screws are secure. 2. Most fan wobbling problems are caused when blade levels are unequal. Check this level by selecting a point on the ceiling above the tip of one of the blades. Measure this distance. Rotate the fan until the next blade is positioned for measurement. Repeat for each blade. The distance deviation should be equal within 1/8". 3. Use the enclosed Blade Balancing Kit if the blade wobble is still noticeable. 4. If the blade wobble is still noticeable, interchanging two adjacent (side by side) blades can redistribute the weight and possibly result in smoother operation.

WARNING: TO REDUCE THE RISK OF PERSONAL INJURY, DO NOT BEND THE BLADE ARM WHILE INSTALLING, BALANCING THE BLADES, OR CLEANING THE FAN. DO NOT INSERT FOREIGN OBJECTS BETWEEN ROTATING FAN BLADES.

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REMOTE CONTROL SETTING AND OPERATION

TRANSMITTER OPERATION

Remove the battery cover from the remote control transmitter and install batteries, Replace the cover.

Note : Use 2 1.5V/AAA batteries (included).

Note : If not using for long period of time, remove battery to prevent damage to remote transmitter, and store the remote transmitter away from excess heat or humidity.
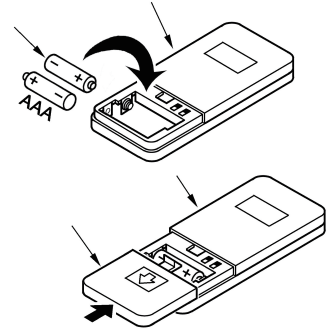
DIMMING / NON DIMMING SETTING

The "DIM" selection is the light dimmable selection , the light will cycle from bright to dim to bright until button is released. The "ON" selection is the light ON/OFF only (non dimming function). Light will maintain last setting if turned off.

Note: The remote control is pre-set with dimming function at factory,

Note: Ensure electricity is turned off before installing the receiver (Refer to the ceiling fan instructions)

Dimming/
Non dimming

ON

DIM

UNIVERSAL MODE AND LEARNING MODE

There is a "Universal Mode" and "Learning Mode" with the remote control.

When selecting "Universal Mode", simply place dip (code) switch at UPPER position(COMMON CODE). Your fan remote control is ready to use.

Note : If using universal mode, your fan can be controlled with other remote transmitters with the same setting.

To control the fan with specific remote transmitter, choose "Learning Mode" by placing the dip (code) switch at LOWER position(L.CODE) and then select function setting as below.

Learn function setting: Restore power source to your fan, press and hold the "LEARN" button for at least 3 seconds. You must press the "LEARN" button within 60 seconds of restoring power to the fan.

Note : Power must be off for a minimum 10 seconds, then turn the power back on for remote control learn function setting.

Note : If the fan is installed with light, light will blink 2 times. The remote control setting process is complete and your fan is ready for use. For fans without light, check operation using remote transmitter.

Note : To control multiple fans, ensure the settings are set at the same setting. A fan can be controlled by 2 transmitters maximum.

Learn

LEARN

Universal Mode

COMMON
CODE

L.CODE

Learning Mode
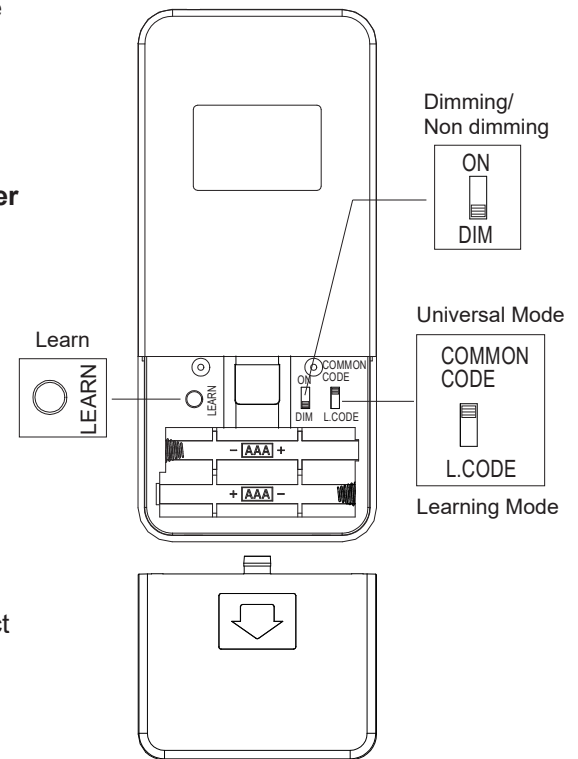
RECEIVER PROTECTIVE FUNCTIONS

Lock protection- The DC motor has a built-in safety feature against blade or motor obstruction during operation. should something obstruct the fan blades or motor, the motor will keep trying to run for 5 times and then stop operation after about 60 seconds of interruption. Please remove obstacles and reset. To reset, turn the fan off with remote transmitter and then turn the fan on. Or, you may turn the power off for 15 seconds. Then turn the power back on, and then turn the fan on.

Over load protection (current limit)- The device limits the maximum current output from the receiver/drive when the fan or light load is increased abnormally. The fan will shut off if over lamped.

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Remote Control Fan Speed And Light Functions.

Fan speed

1 = minimum speed   2 = low speed

3 = medium low speed   4 = medium speed

5 = medium high speed   6 = high speed

⏻ This button turns the fan off.

↻ Forward Reverse button- This button controls the direction of the fan rotation
Press once to change direction of the fan rotation. Fan must be running to reverse.
(Note: It can take a few seconds to change direction once button has been pushed.)

💡 Light button-Press this button to turn light on or off. To dim light (Setting at "DIM"
position), hold down the button, the light will cycle from bright to dim to bright until button
is released.

Note : This remote control has an auto resume function, the fan and light will maintain the
last setting if power is turned off.
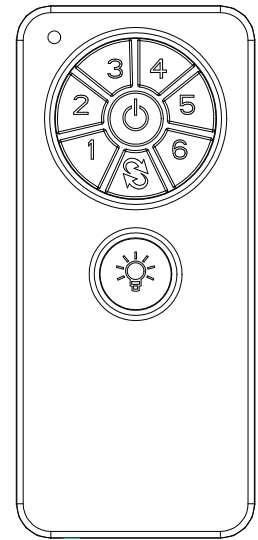
WALL MOUNT CRADLE INSTALLATION

Install Transmitter wall mount cradle with 2 screws provided.
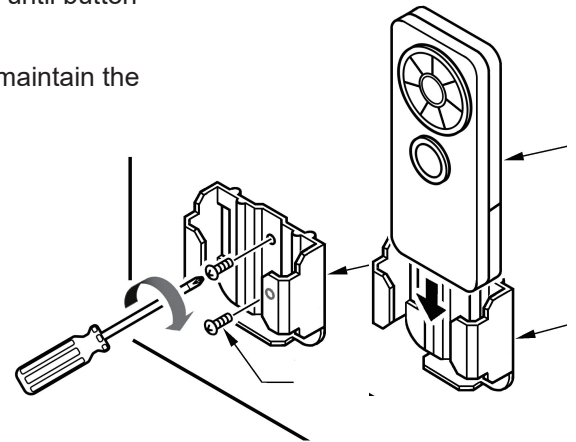
THIS DEVICE COMPLIES WITH PART 15 OF THE FCC RULES OPERATION IS
SUBJECT TO THE FOLLOWING TWO CONDITIONS. (1)THIS DEVICE MAY NOT
CAUSE HARMFUL INTERFERENCE AND (2) THIS DEVICE MUST ACCEPT ANY
INTERFERENCE RECEIVED, INCLUDING INTERFERENCE THAT MAY CAUSE
UNDESIRED OPERATION.

NOTE:

1. When powering on after installation, the fan may start automatically due to factory preset settings.

2. If fan or light isn't working, reset power (turn the power off for at least 10 seconds and then turn the power back on)
   and redo the learn function setting.

3. If there are multiple fans in the same room, when setting, please make sure the power supply for the setting fan is
   independant of the other fans.

4. When turning the fan on or operating the forward/reverse function, it is normal for the fan to rotate and run on both
   directions, for approximately 1 minute and then stop.

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