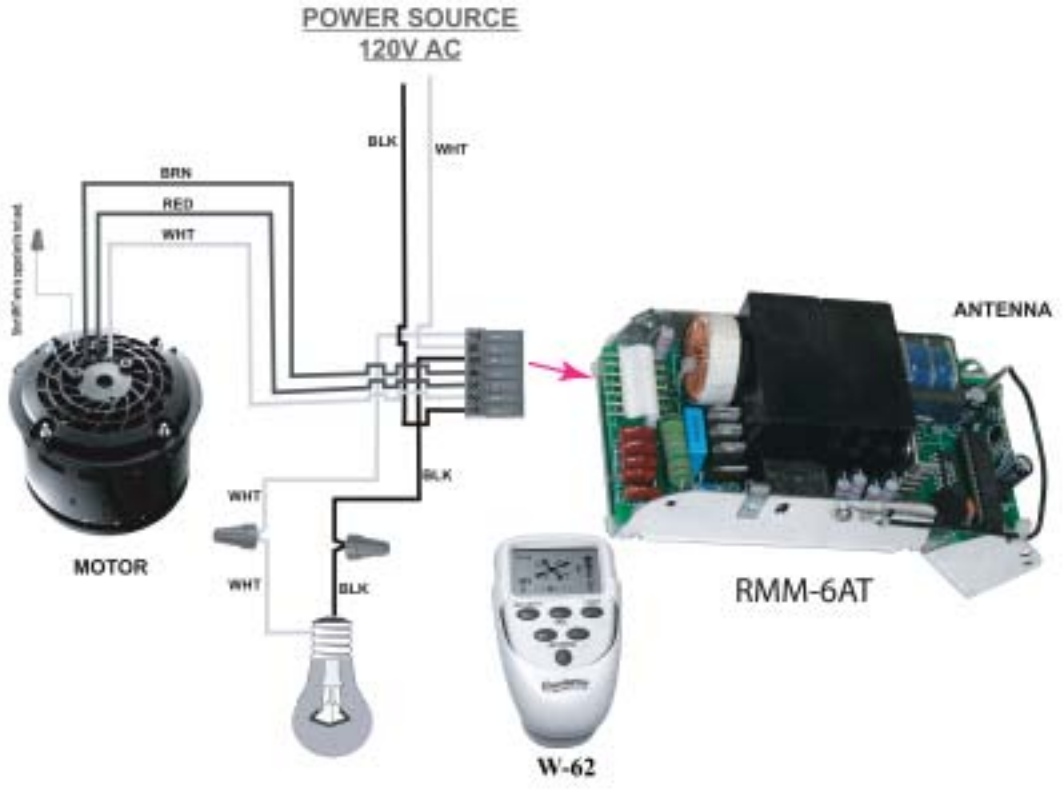
# 2 RMM-6 AT PC BOARD (With Receiver)




## Description:

**Advanced Technology:** Sophisticated and reliable electronics provide convenient fan speed and light control for Advan-Touch® models.Casablanca Advan•Touch series fans are designed for easy diagnosis and servicing with replacement modules. The control center for the fan is the RMM-6AT board with its microprocessor chip and program memory. This chip decodes the transmitted 'package' of fan settings and then turns on or off the various individual electronic components that control the fan and light operation.

## The RMM-6AT Control Board

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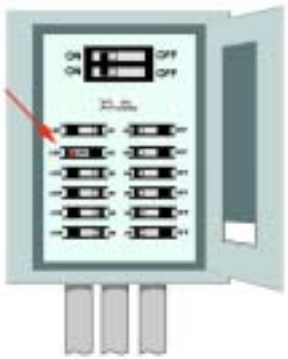
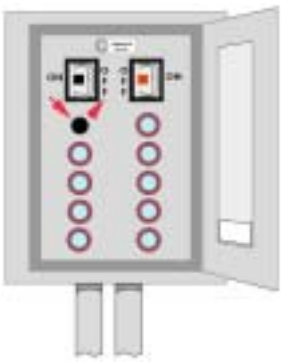
## RMM-6AT PCB Replacement

1. Turn off power at its source (fuse or circuit breaker)



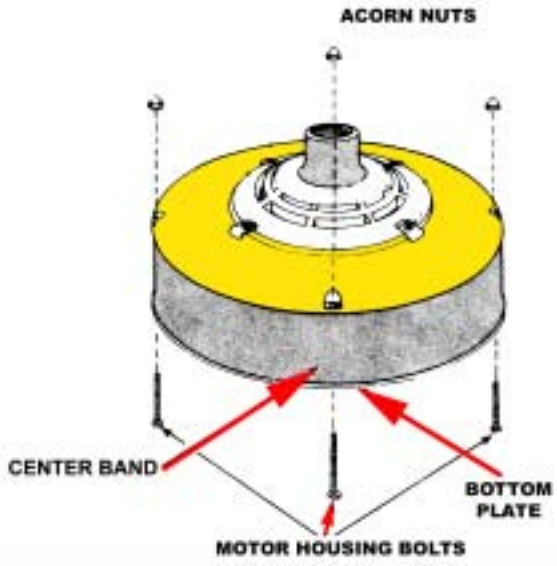
Circuit Breaker Box



Fuse Box

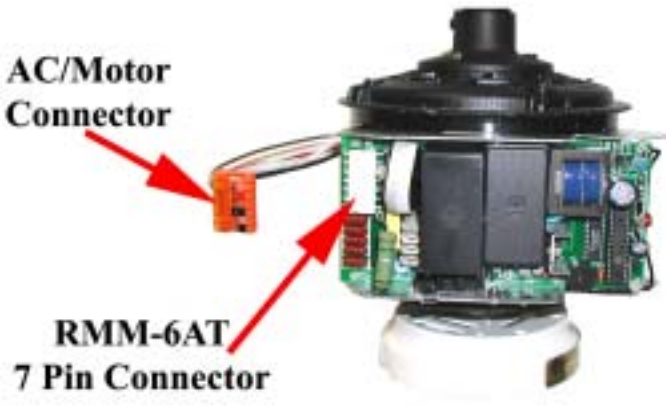
2. Remove blades and blade holders, light fixture and/ or switch housing cap.

3. Remove bottom plate and center band.



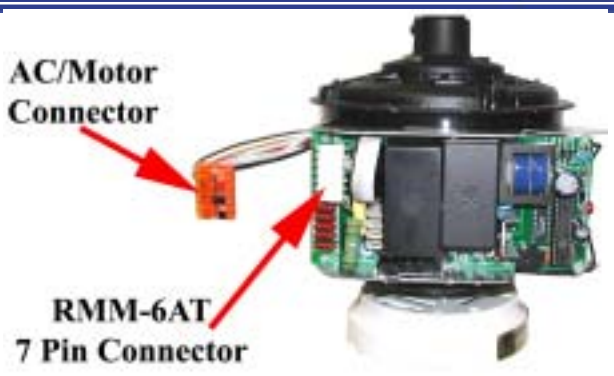

4. To test for a defective RMM assembly, remove the connector (AC/Motor ) by grasping the edges and gently pulling out with a very slight rocking motion.

Plug the connector into a new RMM board. Be sure that the connector and jumper pin positions are aligned and pin #1 is inserted into pin #1. See figure # 1




( Figure # 1 )

5. Once the new RMM-6AT has been reconnected to the ACE motor connector is now time to test the board.Before the new board can be tested you'll have to do a channel update to the newborn.




**( Figure # 1A )**

6. Before you can do channel update you must first turn off the power to the fan (from the circuit breaker) for at least five seconds. Then turn the power back on (at the circuit breaker) and push the ▲ up and ▼ down buttons at the same time, within 20 seconds from restoring power. The fan should now function properly.

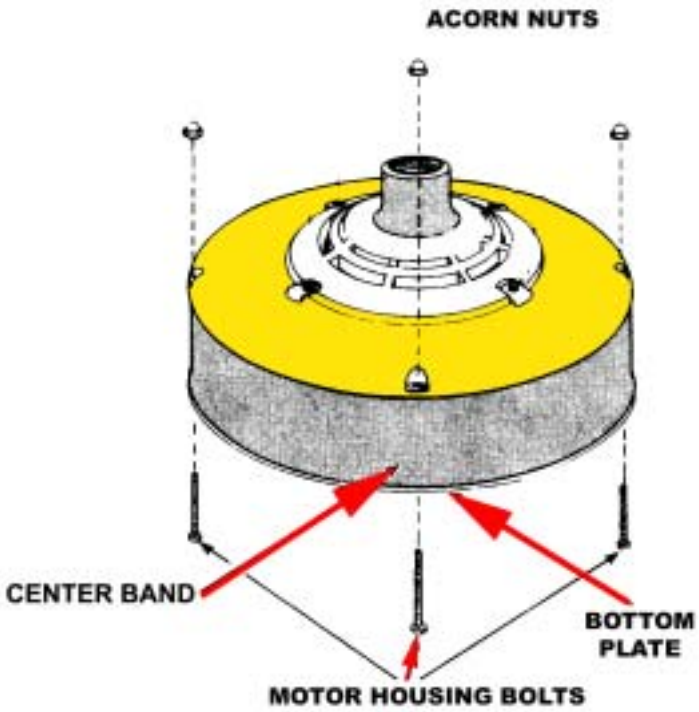
7. If the problem is eliminated, remove the effective assembly. To remove the assembly, unplug the plug as shown (figure #1A). Next loosen the two (2) holding screws on the motor as shown in (figure #2).

**( Figure # 2 )**

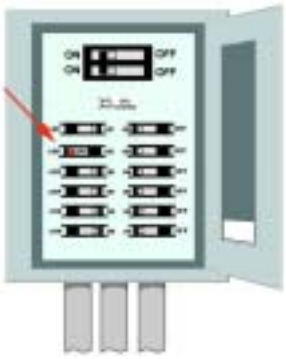
8. Gently pull the unit away from the motor as shown in (FIGURE #3). Replace with a new RMM-6AT printed circuit board, secure with the existing screws. Reconnect the seventh in AC/Motor connector.

**( Figure # 3 )**

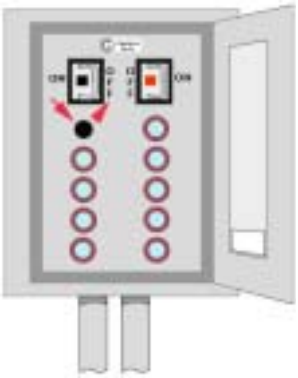
**9**. Re-assemble fan body and reinstall the fan.




**10.** Turn on the power at its source, now the fan is ready for testing and the repair is complete.



Circuit Breaker Box



Fuse Box

# TROUBLESHOOTING:

**Never Lubricate this Fan!**

The precision motor at the heart of your Casablanca fan features sealed bearings that are lubricated for life. Do not attempt to oil the motor.

**Changing Light Bulbs**

Be sure to turn power to the fan OFF at the wall switch or circuit breaker before changing light bulbs. Replace bulbs with same type as removed from the fixture. Each fan is rated for a maximum **TOTAL** wattage of lighting. Exceeding the rated maximum allowable wattage for the fan will burn out the fan electronics module and void the warranty.

**Caring for Finishes**: For cleaning, a soft brush or lint-free cloth should be used to prevent scratching the finish. A vacuum cleaner brush nozzle can remove heavier dust. Surface smudges or an accumulation of dirt and dust can easily be removed by using a mild detergent and slightly dampened soft cloth. An antistatic agent may be used, but ***never*** use abrasive cleaning agents. These will damage the finish. Painted and high-gloss blades may be cleaned in the same manner.

**Blades**: Wood finish blades should be cleaned with a furniture polishing cloth. Occasionally, a light coat of furniture polish may be applied for added protection and beauty.

| PROBLEM | POSSIBLE REMEDIES |
|---|---|
| **FAN WILL NOT START** | -Check main circuit fuses, circuit breakers, or wall switch position. Check all wire connections, making sure the power is turned off during this inspection.<br>-Pin connectors are not making good contact. Check all connections.<br>-Battery weak—install fresh battery.<br>-Fan receiver defective—replace. |
| **FAN DOES NOT RESPOND TO REMOTE CONTROL** | -Power to fan is off.<br>-Wrong remote is being used.<br>-Remote dip settings changed—see instructions for changing the frequency setting. |
| **FAN WOBBLES OR SHAKES EXCESSIVELY** | -Be sure canopy pin is properly set into the slot on the ball.<br>-Check that bladeholders have not been bent during installation and blades are balanced.<br>-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.<br>-Downrod is loosely attached to downrod base: Make sure that all screws are securely tightened. |
| **FAN NOISY DURING OPERATION** | -Check and tighten light fixture retaining screws, glass shade screws and/or the light bulb(s).<br>-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.<br>-Tighten blade holders to flywheel (or direct drive motor) and blade to bladeholder screws.<br>-Make sure all screws in the motor housing are snug, but not overly tight. |
| **DOES NOT RUN ON LOW SPEED** | -If new, "break-in" may be required - run at higher speed for several days. |
| **BATTERY LIFE SEEMS SHORT** | -If new, "break-in" may be required - run at higher speed for several days. |
| **FAN O.K., NO LIGHT** | See note _ Check for burned out light bulb. Check fan light wires. |
| **LIGHT O.K., NO FAN** | Check connectors, may not be making good contact. |
| **REMOTE CONTROL OF FAN IS ERRATIC** | Check batteries installed correctly. Install fresh ALKALINE batteries. |
| **FAN STARTS WORKING BY ITSELF** | Frequency interference; Change dip switch code. |