

11-1986

Spas of distinction.

**PACIFIC
MARQUIS®**

SPA OWNERS MANUAL

**CONVERTIBLE 120/240V
SUPPORT SYSTEMS FOR
PACIFIC MARQUIS
PORTABLES**

THIS IS AN IMPORTANT SAFETY DOCUMENT.

- Keep it in a safe place.
- Pass it on to any new owner.
- If lost, contact your local Pacific Marquis dealer or write to Pacific Marquis and new copy will be provided at no-charge.



This symbol on the product's nameplate
means it is Listed by
UNDERWRITERS LABORATORIES, INC.

SAVE THESE INSTRUCTIONS

Please take a few minutes to read this manual. A thorough knowledge of the basic safety precautions and proper maintenance procedures will provide years of safe and pleasant enjoyment of your Pacific Marquis Spa.

(It should also be noted that in some cases, failure to follow these instructions may result in damage that will not be covered by your warranty or may void the warranty entirely.)

SERIAL NUMBER LOCATION

On Pacific Marquis spas, the serial number is engraved directly above the filter cannister area (see diagram). On those models which are listed by Underwriters Laboratories (U.L.), you will also find the serial number engraved on the foil tag attached to the equipment bay door.

PERMANENT SPA INSTALLATIONS

Permanent spa installations require special considerations and should be carefully planned with the help of your Pacific Marquis dealer.

Please fill out for future reference.

PACIFIC MARQUIS SPA MODEL _____

SERIAL NUMBER _____

CAPACITY (GALLONS) _____

MEMBER



NATIONAL
SPA & POOL
INSTITUTE

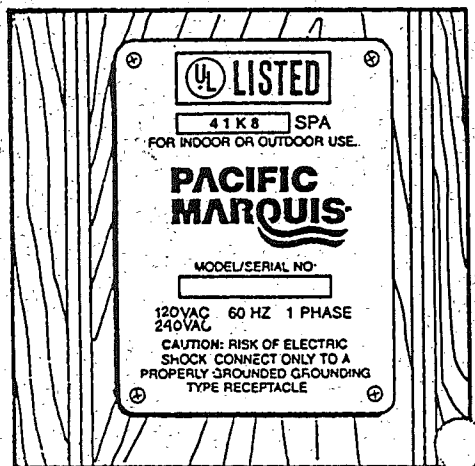
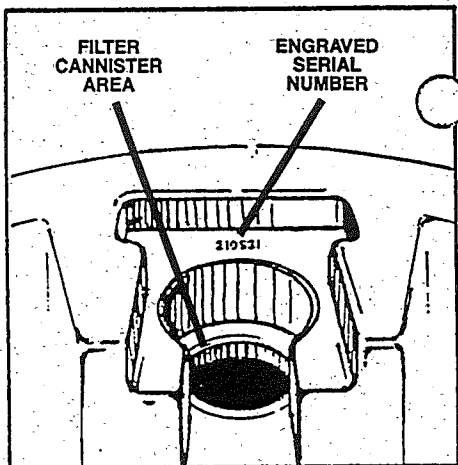


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SAFETY PRECAUTIONS.

The following spa use rules are most important. Using your spa properly and safely will give you countless hours of enjoyment and pleasure. But, just as with many products today, misuse can be extremely harmful. Protect yourself, your family and your guests by following the safety rules listed below:

1. Do not drink alcoholic beverages before or during spa use. One of the effects of alcohol is slowed reflexes and it can make people drowsy. Jetted hot water also helps induce muscle relaxation. The two together could induce sleep and this, in turn, could possibly lead to drowning. Because of these facts, it is vitally important that you do NOT allow the mixing of alcoholic beverages with a spa usage.

2. Pregnant women and people under medical care (for such problems as heart disease, diabetes, blood pressure or circulatory problems) must consult their physician prior to using the spa. Some medications can induce drowsiness. Never use the spa when taking anticoagulants, antihistamines, vasoconstrictors, vasodilators, stimulants, hypnotics, narcotics or tranquilizers. In all cases, if you are not thoroughly familiar with the medication you are taking, check with your doctor prior to using the spa.

3. Spa water temperatures should be maintained in the 98 to 104° range. An accurate underwater thermometer is a "must". 100° water is generally safe and enjoyable for most adults. However, remaining in 100° water for an extended period will raise your body temperature to this level and you may experience some discomfort. As a general rule, when you raise the temperature of the spa water, you should reduce the amount of time you soak. Twenty minutes is about the limit for 102° water; limit your soaking to 10 minutes above 102°. Never soak in water hotter than 104° because temperatures above this level may raise your body temperature to a level that could cause drowsiness, fainting, hyperthermia or heat stroke. (Symptoms of hyperthermia are: muscle incoordination and cramps, nausea, rapid heartbeat, pale skin and delirium.)

It is always important to check your in-spa thermometer before using your spa and to limit your time in the spa as suggested above. Use 98 to 99° - normal body temperature - for extended periods of soaking.

4. People with infections, skin sores or open wounds should not use the spa. Warm or hot water may serve as a "breeding ground" for some types of bacteria. It is vitally important to keep your spa properly disinfected with chlorine or other equally effective disinfectants.

5. It is recommended that people shower before and after using the spa. Showering before removes deodorants, lotions, perspiration and oils which may clog the filter. Showering after soaking will help remove any bacteria that may be in a spa that is not fully disinfected.

6. NEVER allow children to use the spa without adult supervision.

7. Adults should not use the spa without someone nearby who can be called should anything unexpected occur. As an added precaution, you may want to post emergency phone numbers near your phone so that they are handy should a need arise.

8. Always use unbreakable containers around the spa; never use glass.

9. Always use caution when entering and exiting the spa. Wet surfaces can be slippery and may cause a fall. Hand rails and non-skid surfaces are recommended.

10. Suction through drains and skimmers can be powerful. Any drain or skimmer with a damaged cover can be dangerous, especially to small children or adults with long hair. Should any part of the body become drawn to a drain or skimmer, turn off the spa immediately. Long hair should be restrained in a bathing cap; never allow long hair to float in the spa. Always replace broken drain outlet cover immediately.

11. Keep electrical appliances, including telephones, away from the spa to avoid a possible shock hazard. Do not try to adjust or touch the spa equipment such as the pump, heater or any other electrical appliance while you are in the spa.

12. Never walk, climb, play or jump on the Energy Cover of your spa. Never swim or play under this cover when it is installed on the spa. Also, do NOT rely on your Energy Cover as a safety cover for children. It is a precautionary measure only and children must be supervised when they are in or around the spa.

13. A fence around your spa with a self-latching gate can be the best protection against unauthorized entry and use. If your spa is indoors, lock the door to the room to keep out unauthorized users.

A WORD ABOUT CHILDREN

As previously explained, soaking in hot water will affect the body's temperature. In small children, the body temperature can increase more quickly than with a full-grown adult. Thus, children are unable to absorb the same amount of heat. Therefore, children's time in the spa should be less than an adult's and children using a spa must be constantly supervised. Children should never be allowed to swim underwater.

A WORD ABOUT PREGNANT WOMEN

Soaking for extended periods in water 102° or higher may effect body temperature to the point that it could affect the fetus. This is especially important during the first 90 days of pregnancy. Spa use at 102° should be limited to no more than 15 minutes. It is strongly suggested that women who are pregnant (or those who are considering becoming pregnant in the near future) check with their doctor on his recommendation for safe spa use.

A WORD ABOUT PHYSICAL FITNESS

If you intend to use a spa in conjunction with strenuous exercise, it is strongly recommended that you consult your physician on proper spa usage.

PLEASE NOTE

Throughout this manual, sections with additional information are listed in **bold numbers**.

Example: "Drain the spa completely, refill with water and replenish chemicals." (#39, 47)

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IMPORTANT SAFETY INSTRUCTIONS

When installing and using this electrical equipment, basic safety precautions should always be followed including the following:

1. READ AND FOLLOW ALL INSTRUCTIONS.

2. Prior to performing any service to the spa equipment, turn OFF all electric power at the main circuit breaker or disconnect panel.

3. It is the responsibility of the spa owner to ensure that all electrical connections are made in accordance with the National Electric Code and any state or local electrical codes in effect at the time of installation.

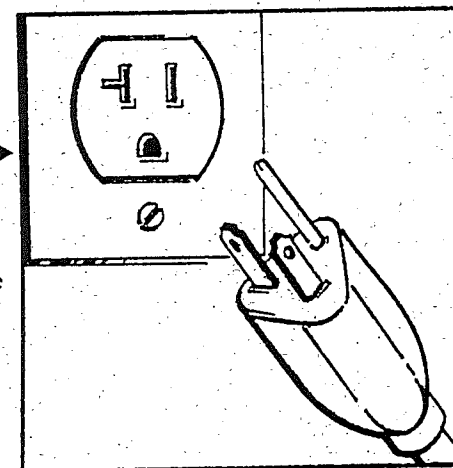
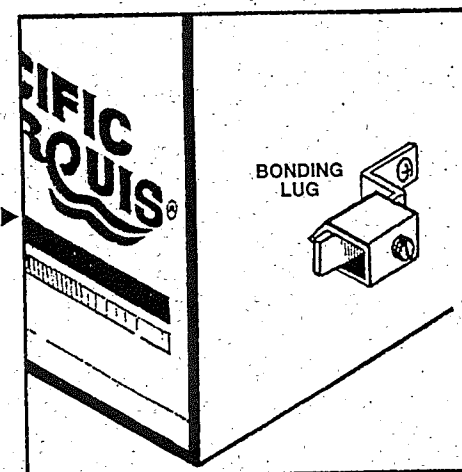
4. A bonding lug has been provided on the outside of the electrical control box. The lug allows for the connection of at least #8 AWG solid copper bonding wire between the electrical control box and any metal ladders, metal water pipes, metal conduits or any other metal located within five feet of the spa as needed to comply with local requirements. This is to reduce the risk of electrical shock.

5. Connections should be made with copper conductors only. All conductors, circuit breakers and/or fuses must be sized in accordance to the Total Amperage Load as specified on the electrical control box data label.

6. Connect 120 volt support systems only to a grounded grounding type receptacle. DO NOT, under any circumstances, modify the power cord in any way to fit other than a 20 amp receptacle. Do not bury cord.

WARNING: To reduce the risk of electric shock, replace damaged cord immediately.

All 240 volt systems require a three wire plus ground electrical service (line 1, line 2, neutral, ground). All 240 volt connections can be made by removing the small front cover of the electrical control box.



When converting to 240 volt, a green colored terminal is provided within the control box. Connect this terminal to the grounding terminal of your electrical service or supply panel with a green insulated copper wire equivalent in size to the circuit conductors supplying this equipment, but no smaller than #12 AWG. A second wire connector is provided and should be bonded with at least #8 AWG copper wire to any metal ladders, metal water pipes, metal conduits or any other metal located within five feet of the spa. These steps are to reduce the risk of electric shock.

If the installation includes a common bonding grid (reinforced concrete slab for support, a ground plate beneath the spa or any metal water pipe connection), all metal ladders, drains or the like must be bonded to the common bonding grid. If a common bonding grid is not present, there must be no connection between any metal ladders, drains or the like and the equipment or the equipment grounding bus.

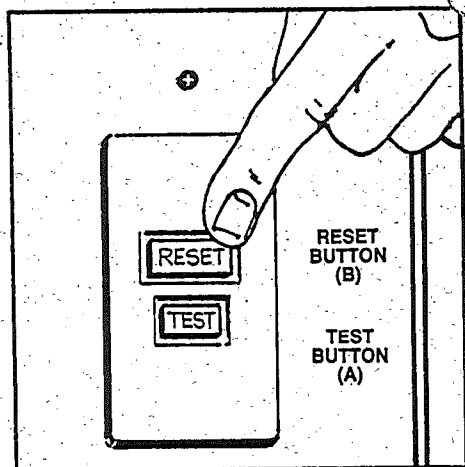
7. The Pacific Marquis Support System is provided with a Ground Fault Circuit Interrupter (GFCI) located on the front of the electrical control box. The GFCI is a safety device used to protect people from exposure to electric shock hazard.

8. The GFCI should be tested before each use in the following manner:

(A) With the equipment connected to the proper electrical power source and with the circuit breakers on, push the BLACK test button: The RED reset button will pop outward.

CAUTION: If the GFCI fails to operate in this manner, disconnect the power cord from the wall receptacle or turn off the circuit breaker in the main electrical panel. Do not reconnect the electrical power until the source of the breakdown has been identified and corrected by a qualified service technician.

(B) The GFCI must now be reset to operate the equipment. Push the RED reset button and close the equipment bay door.



9. The spa must be installed to provide proper drainage and to keep water out of the electrical equipment components.

10. Do not use an extension cord. The spa must be placed near enough to the power source to prevent the need for an extension cord.

11. TO AVOID DAMAGE TO THE HEATER AND PUMP, THE SPA SUPPORT SYSTEM MUST NEVER BE RUN WITHOUT WATER IN THE SPA.

12. Clean the filter cartridge weekly (#52). Clean it more often during frequent spa use. A dirty filter inhibits the water flow, thereby reducing the jet action, the efficiency of the heater, and could damage the pump seal.

13. Do not cover your spa with any transparent cover. Clear "solar blankets" are not recommended because they can create a solar oven effect that could cause structural warping, blistering, and fading of the acrylic surface. For best results, use the Pacific Marquis Energy Cover (#45).

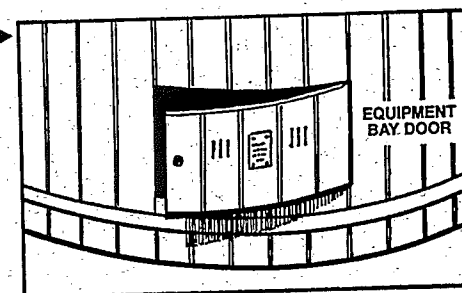
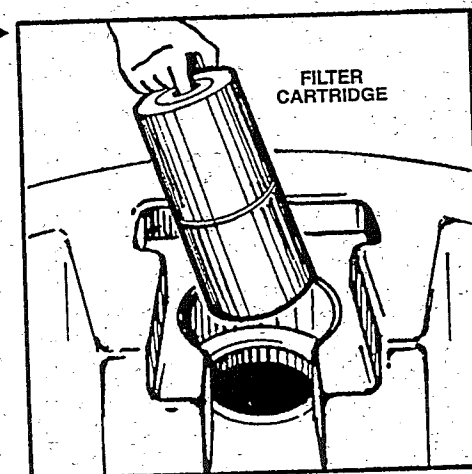
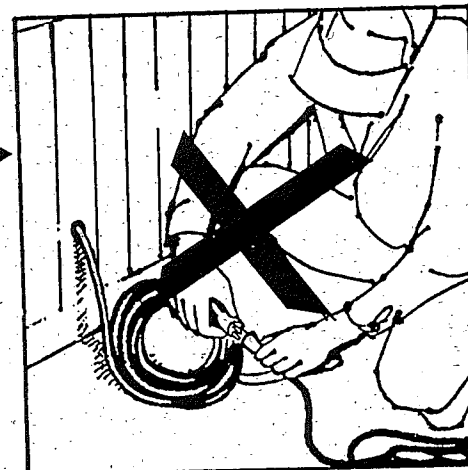
CHEMICAL SAFETY

14. Add only one chemical at a time to the water. Never mix chemicals or chemical solutions together. Follow the manufacturer's instructions for dilutions and precautions. When diluting, add chemicals to water not water to chemicals. When working with acid, avoid skin contact. ALWAYS STORE CHEMICALS OUT OF THE REACH OF CHILDREN.

DOOR SAFETY SYSTEM

15. Your Pacific Marquis spa is equipped with a door safety system. If the equipment bay door is opened; or ajar, the support system will not operate. THE DOOR MUST BE CLOSED COMPLETELY FOR ANY OF THE SUPPORT SYSTEM COMPONENTS TO BE ACTIVATED.

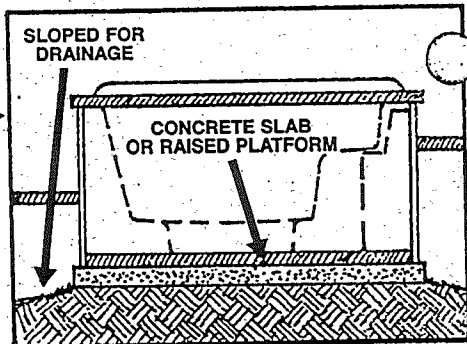
16. SAVE THESE INSTRUCTIONS



INSTALLATION AND USE

LOCATION

17. For your portable spa to function properly and safely, it must be located on a hard, flat, level surface. Inground spas require special installation techniques and should be planned in conjunction with your Pacific Marquis dealer. Improper installation can result in structural damage to the spa and a voiding of your spa warranty. Items to discuss with your dealer include local construction codes, electrical service requirements, accessibility and serviceability of equipment and components, present underground obstructions such as gas, water and telephone lines, safety measures such as fences and locks and visibility of the spa installation from the home, street and neighbors.



You must allow for sufficient water drainage around the spa to help preserve the wood skirt and support structure and to provide adequate drainage of the equipment bay for the components.

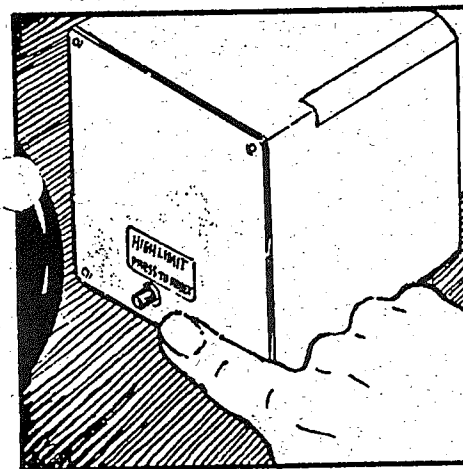
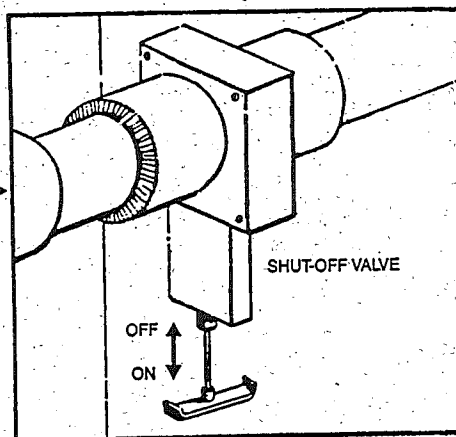
Install to permit access for servicing the equipment from above or below any decks or floors.

Be sure the spa is in the final position **BEFORE** filling with water. Check for power cords, tools or hoses which may be caught underneath the spa.

CAUTION: Never try to move a spa that has not been fully drained. To do so can result in damage to the spa and physical injury to the mover.

SHUT-OFF VALVES

18. Your spa is equipped with two SHUT-OFF VALVES that can completely shut off the water flow to the support system for dealer servicing. At times, a new spa or one that has recently been serviced may have the SHUT-OFF VALVES partially closed which can restrict the water flow and hinder jet performance. Be sure the valves are **ALWAYS** fully open with the handles fully extended



HEATER HIGH-LIMIT SWITCH

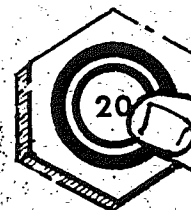
19. The high-limit switch will shut the heater off if the temperature within the heater assembly reaches a factory-set non-adjustable limit.

Several conditions could cause the switch to activate: low water level, shut-off valves closed while heater is on, dirty filter, restricted or clogged plumbing lines.

20. To reset the high-limit switch, push the "HIGH-LIMIT" switch button located on the heater housing.

The switch cannot be reset until water temperature within the heater assembly drops to a lower, preset temperature. If the switch trips repeatedly, the support system should not be operated until the problem has been corrected. Please refer to your Pacific Marquis Dealer.

CIRCUIT PROTECTION



PUSH TO
RESET

SYSTEM CIRCUIT BREAKER

21. The Circuit Breaker located on the front of the electrical control box provides protection for the pump, air blower motor and control circuitry. If an electrical fault occurs within these components, the button on the circuit breaker will pop outward.

To reset, push button in. If the condition repeats, do not use the spa until the problem has been corrected. Please refer to your Pacific Marquis Dealer.

SYSTEM ON/STANDBY SWITCH

22. The System Switch located on the front of the electrical control box prevents unauthorized use of the spa.

In the ON position, the equipment is controlled by the Spa Side Controls (#31).

In the STANDBY position, the Spa Side Controls are inoperable. However, the Time Clocks will continue to keep the correct time.

TIME CLOCK OPERATION (General)

23. The exclusive dual time clocks built into the electrical control box provide the ultimate in operating convenience and economy. The spa water can be filtered daily or several times each day to maintain

SYSTEM ON



STANDBY

a sparkling clear, clean condition with the ideal chemical distribution. The temperature of the water can be automatically controlled to be ready to use whenever desired, either every day or evening, or only on selected days. The two time clocks operate independently of each other and may be over-ridden at any time without disturbing the time clock settings.

ADJUSTING THE TIME CLOCKS

24. Please note that any time the circuit breakers are shut off or the spa power cord is removed from the outlet, the clocks will need to be reset to actual time of day.

FILTERING TIME CLOCK (24-Hour Operation)

25. **CLOCK SET POINT:** Rotate outer clock ring clockwise and set correct time of day opposite Set Point arrow.

TIME CLOCK LUGS: (Each lug represents 15 min.) Push inward toward center of clock to set ON times. Any combination of cycles is possible. The example shows ON at 11:00 a.m. and OFF at 1:30 p.m. To cancel settings, push outward on the lugs.

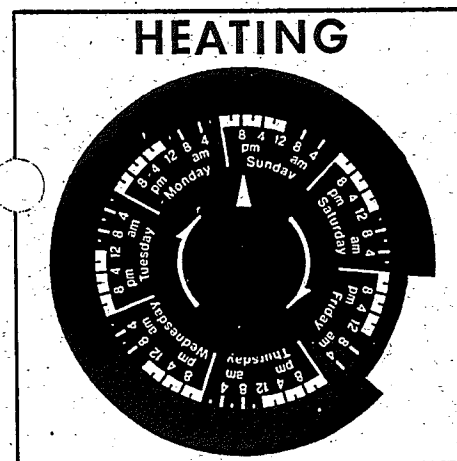
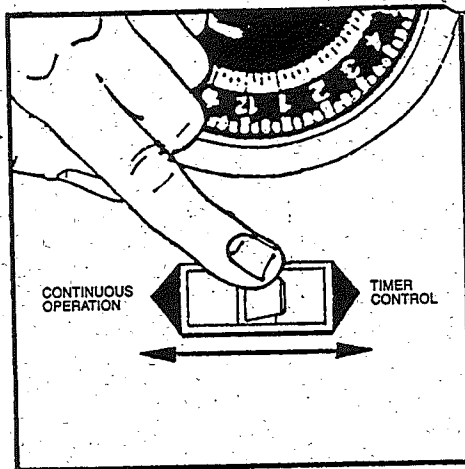
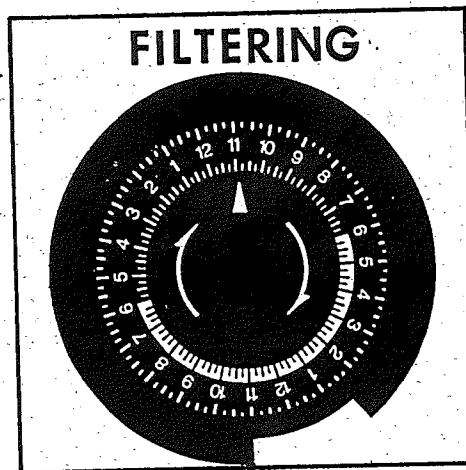
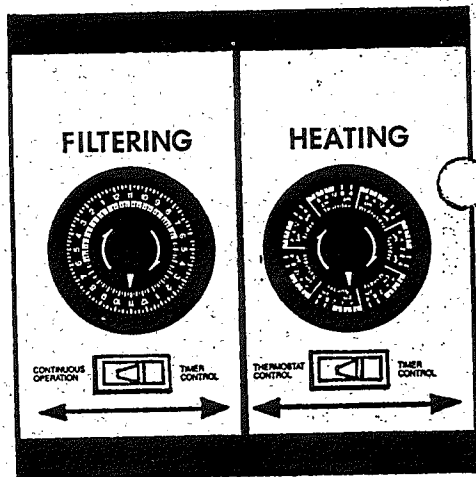
For an initial setting, try four (4) 60-minute ON settings spaced evenly around the clock. For example, 10:00 a.m. to 11:00 a.m., 4:00 p.m. to 5:00 p.m., 10:00 p.m. to 11:00 p.m., 4:00 a.m. to 5:00 a.m. Wait a few days and adjust as necessary to maintain sparkling clear water with a minimum of ON times.

FILTERING BYPASS SWITCH

26. In the **TIMER CONTROL** position, the time clock has control and will start and stop the filtration cycle as determined by the settings of the **FILTERING TIME CLOCK** lugs (#25).

In the **CONTINUOUS OPERATION** position, the filtration cycle will be continuous. This is desired following periods of heavy usage or when adding chemicals.

The time clock settings are not disturbed and timed cycles will begin again when this switch is returned to the **TIMER CONTROL** position.



HEATING TIME CLOCK (7-Day Operation)

27. **CLOCK SET POINT.** Rotate outer clock ring clockwise and set correct time of day opposite Set Point arrow.

TIME CLOCK LUGS (Each lug represents a 2-hour period of a selected day of the week.) Push inward toward center of clock to set ON times. The example shows ON at 6:00 a.m. Friday and OFF at MIDNIGHT Friday. To cancel settings, push outward on the lugs.

If the thermostat is calling for heat and the time clock reaches an ON time, the PUMP will start and the HEATER will turn ON. When the water reaches the desired temperature, the thermostat will turn the HEATER and the PUMP OFF. This cycle will continue during each ON period as determined by the setting of the time clock lugs.

HEATER BYPASS SWITCH

28. In the **TIMER CONTROL** position, the time clock has control and will start and stop the heating cycle as determined by the settings of the **HEATING TIME CLOCK** lugs and the thermostat. (#27).

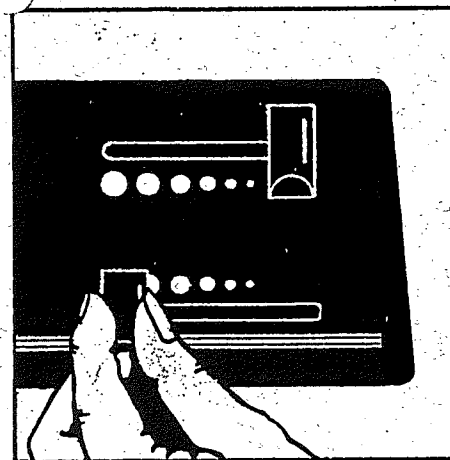
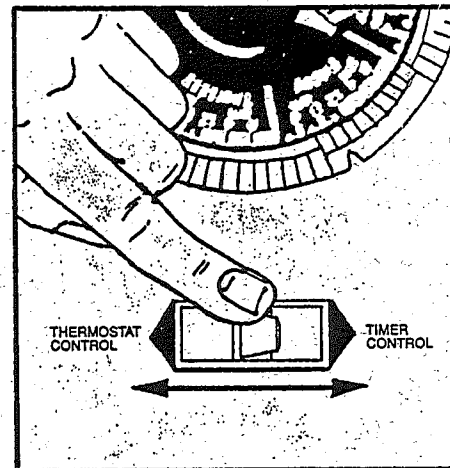
In the **THERMOSTAT CONTROL** position, the heating cycle will be continuous, controlled only the setting of the thermostat. The HEATER AND PUMP will start and stop as required to maintain the desired temperature. This position is ideal for freeze protection. With the thermostat set at the COLD position, the HEATER and PUMP will automatically cycle to maintain a water temperature of approximately 50°F.

The time clock settings are not disturbed and timed cycles will begin again when this switch is returned to **TIMER CONTROL**.

AIR CONTROL VALVES

29. Your spa is equipped with two air control valves which allow regulation of the water action from the jets.

Open the air valves by sliding to the far left when using the high speed pump until the desired water action is obtained.



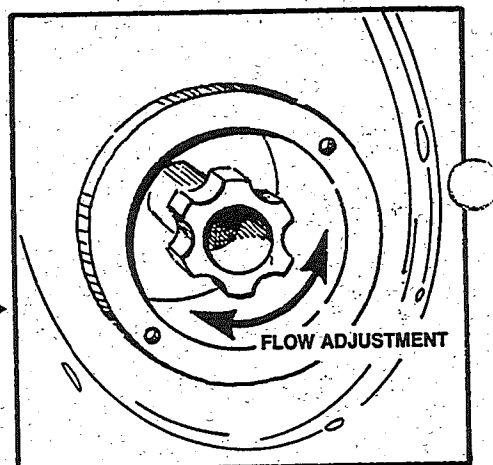
For those spas with dial air controls, the water action can be increased by turning the air control valves counterclockwise.

NOTE: Because heat loss occurs as air is injected into the water, close the air control valves completely when the spa is not in use.

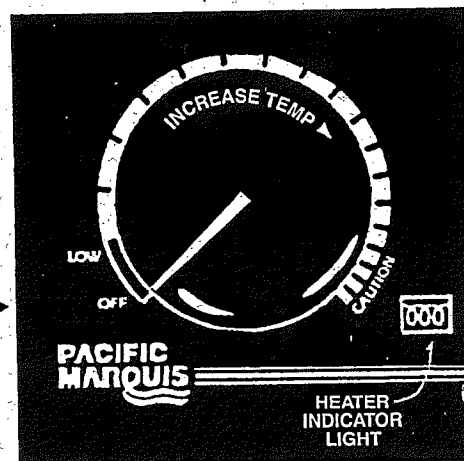
HYDROJETS

30. Your spa is fitted with fully adjustable, directional hydrojets. The jet action can be directed 360° by aiming the swivel ball nozzle. The water flow can be regulated at each jet as follows:

- To restrict flow, twist the nozzle clockwise.
- To allow full flow, twist the nozzle counterclockwise.



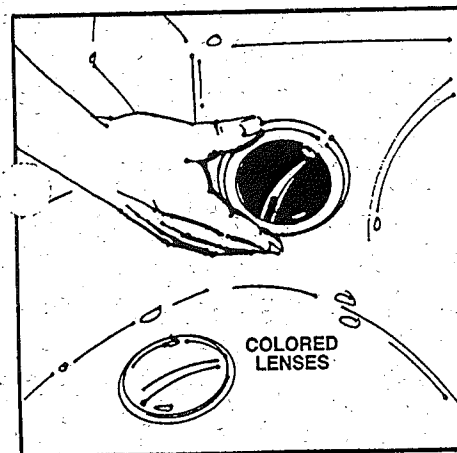
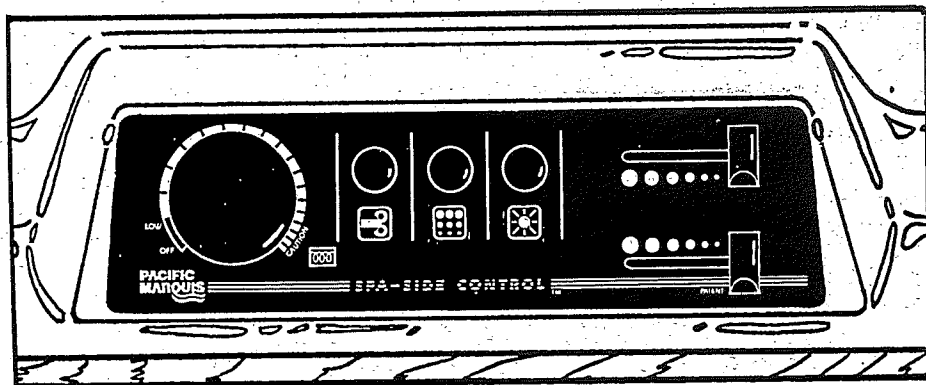
If your spa is equipped with a cyclo-massage option, the control knob for this jet will be located next to the skimmer lid. By fully turning this knob in a clockwise direction you can concentrate the flow of water from the hydrojets through the cyclo-massage jet. To return the flow of water to the hydrojets, turn the knob 180° in a counterclockwise direction.



SPA SIDE CONTROLS

31. The Pacific Marquis SPA SIDE CONTROL places all of your spa's functions within arm's reach; the HEATER, THERMOSTAT, PUMP, SPA LIGHT, and BLOWER.

To adjust the spa's heat, turn the thermostat knob to increase or decrease the temperature. When the HEATER INDICATOR light is ON, the spa is heating.



The button marked  (far left) activates HIGH speed on the pump or returns it to LOW speed for circulation.

The button marked  (center) turns the air blower system ON or OFF.

The button marked  (far right) turns the underwater spa light ON or OFF.

UNDERWATER SPA LIGHT

32. Your spa is equipped with an underwater spa light located in the spa footwell. The low-voltage system produces a bright white light for evening use in the spa and makes entering/exiting the spa safer.

The light control switch is located on the Pacific Marquis Spa Side Control panel. You may install one of two interchangeable colored lenses over the white lense housing. The lenses snap on and off the housing and can be installed even when the spa is full.

WATER CHEMISTRY GUIDELINES

33. While filling the spa with water, use the chemicals in the Pacific Marquis SPA PRO™ Kit to bring the water to correct chemical balance (#34).

34. CAUTION: It is essential that you shock chlorinate your spa after filling it with water BEFORE you begin to use it. Directions for shock or super chlorination are given on the SPA-PRO chlorine concentrate container. This shock treatment will give an initial sterilization to your water, kill any algae spores that may be present and oxidize undesirable minerals and organic matter in the raw water.

This same treatment must be used anytime the spa is refilled or the water has lost its chemical control due to disuse or neglect in maintaining chemical balance and residual.

It is important thereafter to balance the water for alkalinity and pH level for both a healthful spa as well as to protect the spa and its equipment. **NEGLECT IN MAINTAINING THE CORRECT CHEMISTRY CAN VOID YOUR SPA WARRANTY.**

Since water chemistry varies from region to region, you should refer to your Pacific Marquis Dealer for advice on how to best treat the water in your area.

Failure to maintain the proper pH (between 7.2 and 7.6) can cause eye burns, skin rashes and other discomforts as well as clogged pipes, staining and heater damage.

It is recommended that alkalinity be maintained between 100-150 ppm (parts per million).

Chlorine content should not exceed 3 ppm, except occasionally during "super chlorinating." Super chlorination is used only to treat fresh water after completely draining the spa, and after periods of heavy use.

For guidelines on water hardness, refer to your Pacific Marquis Dealer. He carries a complete line of SPA PRO chemicals to ensure optimum use and enjoyment from your new spa.

STARTING YOUR SPA

35. Make sure power supply is off. On 120v systems the power cord must be unplugged and the SYSTEM switch on the front of the pack must be on "STANDBY" (#22).

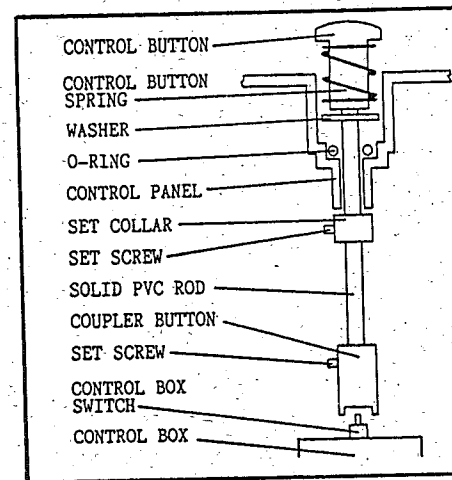
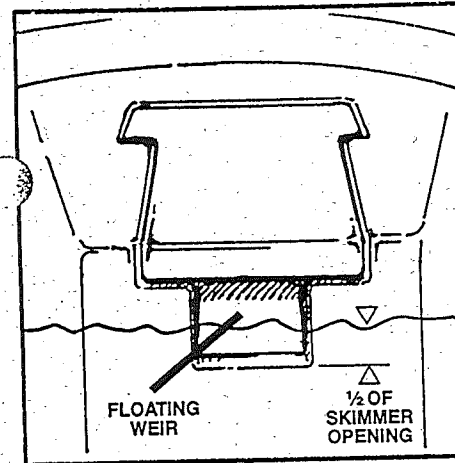
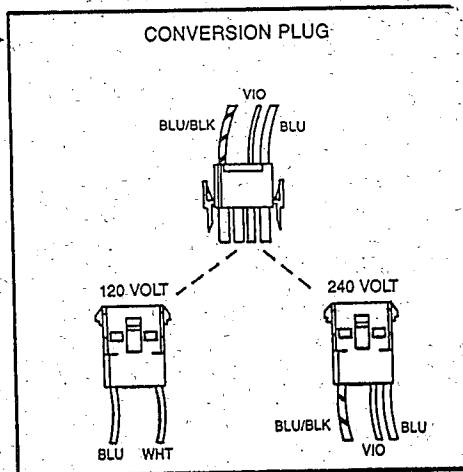
On 240v systems the circuit breaker in the residence electrical panel must be off and the SYSTEM switch on the front of the pack must be on "STANDBY" (#22).

36. Check if properly wired for 120v-240v. (See wiring diagram in control box for additional instructions (#6).

- 120v-140v plug moved to proper location (per wiring diagram).
- All wire connections are tight.

37. Tighten all disconnects, close the hose bib (#48), open both shut-off valves (#18) and clean all debris from the spa.

Make sure the suction fitting cover is in place in the footwell of your spa. This unit is not to be installed without an approved suction fitting cover which prevents the entrapment of hair and other body parts. An approved fitting is supplied by the factory with your Pacific Marquis spa.



Fill the spa to the middle of the skimmer opening and shock chlorinate the water before entering and using the spa. It is essential that this shock treatment be done after each refill (#34).

38. Check the switch linkage adjustment to ensure that it has not loosened during shipping. Press each control button and verify that the control box switches are audibly clicking when the control button is pushed AND released. If the switch linkage has loosened during shipment, perform the following steps to return it to its proper adjustment.

- Loosen set screw on coupler button.
- Position coupler button over switch (bottom of coupler button must JUST clear the switch).
- Rotate rod 1/4 turn and tighten set screw on coupler button.

39. MAKE SURE THERMOSTAT IS IN "OFF" POSITION!

40. Turn electrical power on to the spa. On 120v systems, plug in the power cord and flip the "SYSTEM" switch to "ON" (#22).

On the 240v systems, flip the circuit breaker in the residence electrical panel and the "SYSTEM" switch to "ON" (#22). Close the Equipment Bay door.

CONVERSION FROM 120V TO 240V

To convert 120v units to 240v usage complete the following steps:

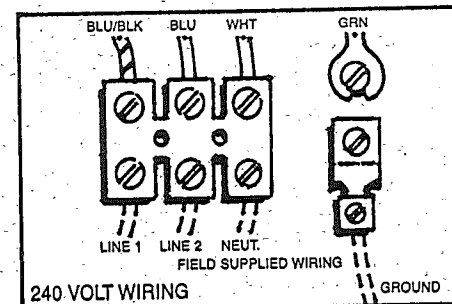
A. Remove small front cover of the electrical control box (#6).

B. Disconnect factory supplied 120v cord from the terminal block and remove the cord strain relief grip and the 120v cord from the control box.

C. Move 120v-240v conversion plug to proper location (#36).

D. Install properly sized three wire plus ground 240v field supplied wires into the terminal block per the diagram.

NOTE: All 240v field supplied wires must be sized and installed in accordance with any and all national, state and local electrical requirements in effect at the time of installation or conversion.



OPERATION OF CONTROLS

41. Select mode of pump operation, filtering time clock (#25) and move filtering bypass switch to desired position (#26). Test jets, blower, and light buttons to assure proper functioning by pushing buttons (#31).

Select mode of heater operation, heating time clock (#27) and move heater bypass switch to desired position (#28).

Refer to TIME CLOCK OPERATION section for complete time clock operating instructions.

OPERATING THE SPA

42. Allow the spa to circulate on high speed for 4-5 minutes to discharge air from the plumbing system. After a full flow of water has been obtained from all the jets, adjust the thermostat to the desired setting.

NOTE: Your Pacific Marquis spa has been filled, test run and drained at the factory. While the hose bib has been left open to drain as much residual water as possible, the first time your spa is filled, some slight discoloration may appear. This discoloration will disappear when the spa is completely filled and the filtration system activated.

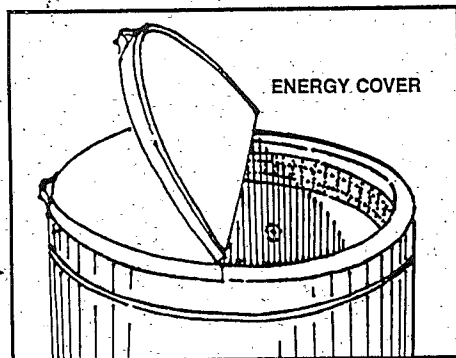
43. Retest the water for the proper chemical balance and adjust as necessary (#34). PROPER BALANCE IS IMPORTANT.

44. For longer pump life, more efficient heating and lower operating cost, we recommend the filtering bypass switch (#26) be left on "CONTINUOUS OPERATION". There is less wear on the equipment when it is run at longer periods rather than short intervals.

An unused spa should circulate for at least four (4) hours per day to maintain proper filtration and water temperature. More frequent use of your spa and cooler air temperatures will require longer circulation times.

ENERGY COVER

45. The Pacific Marquis Energy Cover and the floating thermal cover should be kept on the spa when not in use to retain the water's heat and to aid in cleanliness. Your



preset heater thermostat will maintain a constant water temperature between spa uses for a very low cost per day.

FREEZE PROTECTION

46. Your Pacific Marquis spa has several features which allow you to choose the degree of freeze protection that is most appropriate for your particular spa usage and environment. If the spa is not going to be fully drained and winterized (#55), then maximum freeze protection is obtained by the following:

- filtering bypass switch (#26) on CONTINUOUS mode
- heating bypass switch (#28) on THERMOSTAT CONTROL mode
- thermostat (#31) on the LOW setting or higher

This results in a continuous circulation of the spa water with the heater automatically maintaining a water temperature of approximately 50°F.

Those desiring a lesser degree of freeze protection can obtain this by using the filtering and heating timeclocks (#25, 27) with the bypass switches in the timeclock position (#26, 28). Regardless of the extent of freeze protection required, always leave the thermostat set on the LOW position or higher and where possible, leave the spa in continuous operation and thermostat control.

REGULAR MAINTENANCE

CEDAR SKIRTING

47. The natural cedar skirting has been treated with a sealant at the factory. Additionally, the skirting should be treated bi-annually with Pacific Marquis' Cedar Care sealant for maximum weather protection.

DRAINING THE SPA

48. It is recommended to completely drain the spa AT LEAST four times a year. More frequent draining may be required depending on use. Unless this is done regularly, the water becomes chemically "saturated" and will no longer respond to regular chemical upkeep. The spa should also be drained

before long periods of disuse or for equipment repair. An empty spa should be covered. Direct sunlight on the acrylic surface can cause severe damage or blemishing of the spa shell and can result in the voiding of any surface warranties.

Because of the small water volumes involved with spas, sometimes it is much simpler and less expensive to drain the water than to adjust the water chemistry with chemical additives. Public spa water should be drained and refilled at least once per month.

49. To drain the spa, turn the thermostat dial to the OFF position and flip the "SYSTEM" switch to "STANDBY" (#22).

Unplug the electrical cord or turn OFF the circuit breakers.

Attach a garden hose to the hose bib in the equipment bay.

Open the hose bib fully, and the water will drain out by gravity. When the spa is empty, close the hose bib and remove the hose.

CLEANING

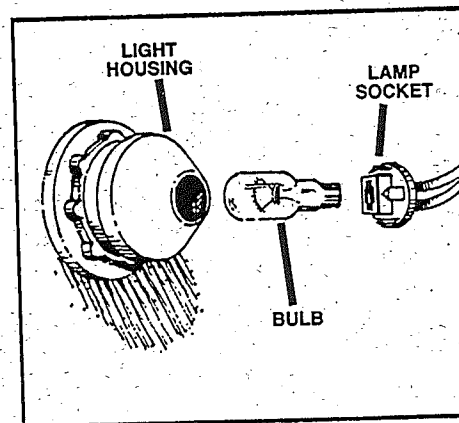
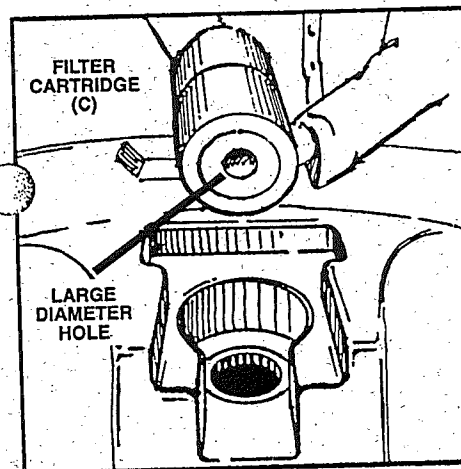
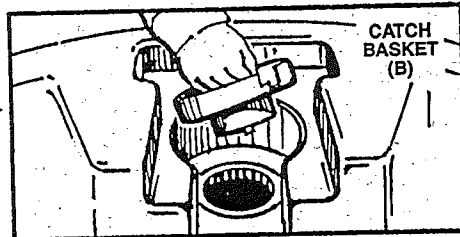
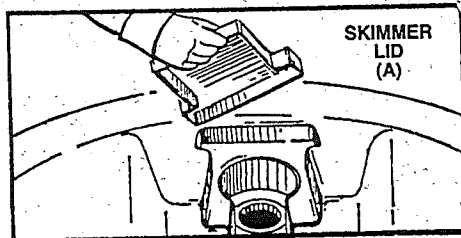
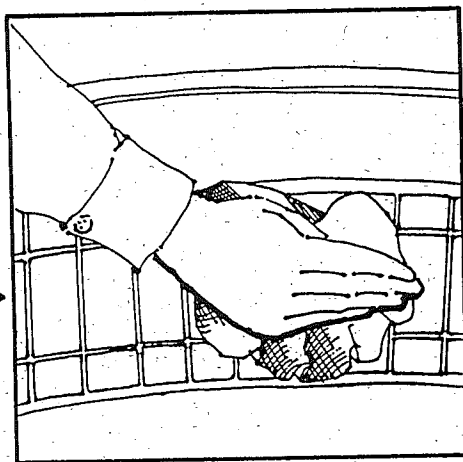
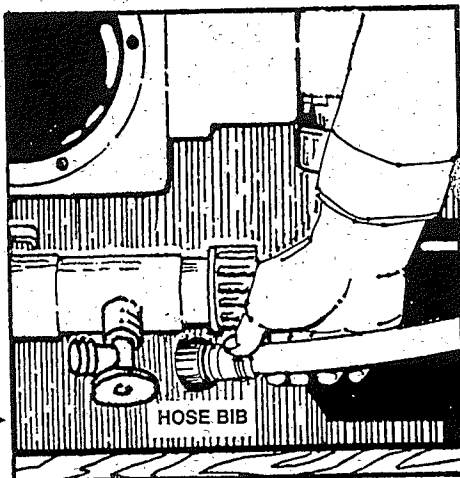
50. It is possible to clean your spa without draining it. The water line or tile line can become soiled and should be wiped clean with a soft cloth or sponge. Do not use any abrasive cleaners as they can scratch or dull the surface. Use Spa Gloss which can be ordered from your Pacific Marquis spa dealer. Refer to the Spa Maintenance Schedule for more cleaning recommendations.

51. Your Pacific Marquis Energy Cover can be cleaned with a non-abrasive household cleaner on both top and bottom sides. A good quality NON-SILICONE based vinyl restorer will help protect the surface from the sun's rays.

REMOVING THE FILTER

52. Refer to the Spa Maintenance Schedule for cleaning frequency. Following this regular schedule will increase the filter's life.

- Remove the lid from the skimmer.
- Unlock the catch basket by twisting counterclockwise and lifting out.



- Lift out the filter cartridge. Note the position of the filter: the large hole faces DOWN.
- Clean the filter (#58).
- Replace the filter after cleaning thoroughly.

REFILLING

53. Fill your spa with fresh water from a garden hose (#37) while adding the necessary chemicals (#34). Remember, it is essential to shock chlorinate after each refill before entering and using your spa. Follow the same procedures as outlined in STARTING YOUR SPA (#35-#40).

SPA LIGHT BULB REPLACEMENT

54. To replace a burned out bulb, open the equipment bay door to find the spa light access tunnel located at the rear of the equipment bay. The light housing is accessed by reaching through this tunnel.

Remove the lamp socket from the back of the light assembly by turning and pulling at the same time. Gently pull the bulb out of the lamp socket, and replace it with bulb, part #69-0436, available from your Pacific Marquis Dealer. Install the lamp socket back into the light assembly, and close the equipment bay door.

WINTERIZING

55. Your Pacific Marquis spa was designed for year round use and enjoyment and many people find the combination of hot water, hydrotherapy jets and cool air temperatures to be especially soothing. However, if you decide to discontinue the use of your spa for the winter, or for any other extended period of time, we suggest you follow the guidelines listed below.

- Turn thermostat to OFF position (#31) and place the SYSTEM switch to STANDBY (#22).
- Unplug the electrical cord or turn OFF the circuit breakers in the residence.
- Attach a garden hose to the hose bib and open the hose bib fully (#48). After the spa has drained, remove the garden hose but leave the hose bib in the open position.

- Remove any residual water from the seats and the footwell. A wet/dry vacuum is ideal for this but the "bail with a plastic bucket" and "absorb with a towel" method can be used if a wet/dry vacuum is not available.
- Wipe down the tile line (#49).
- Remove, clean and reinstall the filter cartridge (#52).

- Replace the Pacific Marquis Energy Cover (#45). **NOTE:** Contact your local dealer about the availability of a protective spa cover which encloses the entire spa, including the Energy Cover.

SPA MAINTENANCE SCHEDULE

56. DAILY

Replenish the water level by filling up to 1/2 the skimmer opening (#37). Check and clean the catch basket.

Check the water balance (pH). Adjust if needed (#34).

Check chlorine level and adjust if needed (#34).

For proper filtration, the water should be circulating for at least four hours a day (#25).

57. WEEKLY

Wipe down the water line (#50).

Remove the filter cartridge (#52), and rinse thoroughly with a hose and high pressure nozzle.

58. MONTHLY

Soak the filter cartridge in a solution of trisodium phosphate (TSP) or any strong nonsudsing detergent. Rinse thoroughly in clear water.

Clean the spa Energy Cover (#51).

Test the GFCI unit (#8).

59. EVERY THREE MONTHS

Drain the spa completely, refill with water and replenish chemicals (#34).

While the spa is drained, the interior can be sponged with a spa cleaner and rinsed (#50).

NOTE: Do not wax the surface as the wax will dissolve into the water and clog the filter.

60. EVERY SIX MONTHS

Oil wood skirt with Pacific Marquis Spa Pro Cedar Care (#47).

TROUBLESHOOTING

PLEASE NOTE: The following corrective actions may be performed by the spa owner. If the trouble cannot be corrected in the steps below, please refer to your Pacific Marquis Dealer for service. (Improper servicing by an unauthorized serviceman or spa owner could result in damage that will not be covered by the warranty or could cause serious injury.)

SYMPTOMS

CORRECTIVE ACTION

Equipment does not operate

Make sure the equipment bay door is completely closed (#15).

Check to see if the power cord is plugged in (120v operation) (#6).

Check the circuit breaker on the control box panel or in the main circuit panel (#21).

Check the SYSTEM switch for "ON" position (#22).

Check the FILTERING time clock switch for the CONTINUOUS OPERATION position (#26).

Test the GFCI to see if it has "tripped" (#8).

IMPORTANT: If the GFCI trips repeatedly, do not use the spa, and contact your Pacific Marquis Dealer.

Pump does not work (in low speed circulation)

Make sure equipment bay door is closed (#15).

Check that the shut-off valves are completely open (#18).

Flip the FILTERING time clock switch to CONTINUOUS OPERATION (#26).

Check SWITCH LINKAGE (#38).

Check for blockages or restrictions at the main drain and catch basket (#52).

Inspect the filter cartridge for dirt and debris. Clean or replace (#52).

Pump does not work (in high speed circulation)

Push the button marked  on the Spa Side Control (#31).

Check the above items in "Pump does not work (in low speed circulation)."

Inadequate jet action

Open the adjustable hydrojets (#30).

Check the spa water level. Water must be ½ the depth of the skimmer opening (#37).

Check that the shut-off valves completely open (#18).

Be sure that the air control valves are open (#29).

The filter cartridge may be clogged. Pull the cartridge from the canister (#52). If the jet action improves, clean or replace the filter (#52).

Check all steps above in "Equipment does not operate."

Check the High-Limit Control switch in the equipment bay. Push to reset (#19-20).

Check that the thermostat dial is set to the desired setting (#31).

Flip the HEATING time clock switch to THERMOSTAT CONTROL (#28).

Remember: Do not expect hot water immediately from the jets. The heater will take several hours to heat the spa to the desired temperature.

Inspect the filter cartridge for dirt and debris (#52).

Prolonged use of the air blower and jets will have a significant cooling effect on the water. Turn off all blower and jet action to allow the heater to raise the spa temperature (#31).

Note: On 120v installations the heater operates only when the pump is on low speed.

Push the button marked  on the Spa Side Control (#31).

Check the SWITCH LINKAGE (#38).

Tighten the light bulb in the socket (#54).

Replace the light bulb (#54).

Check the water chemistry and balance as needed (#34).

Clean or replace the filter cartridge (#52).

No heat**Underwater spa light does not work****Water is cloudy****Air blower does not work**

Push the button marked  on the Spa Side Control (#31).

Check the SWITCH LINKAGE (#38).

Check all steps above in "Equipment does not operate."

PACIFIC MARQUIS FIVE-YEAR LIMITED WARRANTY

MARQUIS CORP. warrants that at the time of shipment, the products manufactured by Marquis and sold hereunder shall be in conformity with applicable written specifications and descriptions referred to or set forth herein and shall be free from defects in material and workmanship.

SHELL AND FIBERGLASS LIMITED WARRANTY

The limited warranty on the shell and fiberglass laminate is prorated over its five-year term. Should Marquis exercise its option to replace a spa during this first year, the purchaser shall pay to Marquis 20 percent of the original purchase price for each year the unit has been in service after the first year. The purchaser must return the spa being replaced freight prepaid, and Marquis will supply the replacement spa freight prepaid. The obligation of Marquis Corp. under this warranty shall be to furnish a replacement product only and shall not be responsible for removal or installation of any product.

OTHER COMPONENTS WARRANTY

Marquis Corp. agrees at its option to repair or furnish a replacement for but not to remove or install any product or component thereof which shall upon test and examination by Marquis prove defective. All materials returned shall be freight prepaid.

ADDITIONAL TERMS AND EXCLUSIONS

1. There are no additional warranties which extend beyond the terms of this express warranty. MARQUIS CORP. MAKES NO WARRANTY OF MERCHANTABILITY OF THE GOODS OR THE FITNESS OF THE GOODS FOR A PARTICULAR PURPOSE.

2. No other person or entity has been authorized to make any warranty, representation or promise of performance not included in this express written warranty, and Marquis Corp. shall not be bound by any such additional warranty, representation or promise.

3. This warranty does not include or cover the following:

- Component parts or accessories not manufactured by Marquis Corp. which are covered by separate manufacturers' warranties;
- Indirect, consequential or incidental damages including, but not limited to the cost of removal of the spa from any installation or damages for restoration or repair of any real or personal property incurred in connection with the exercise of any rights or obligations under this warranty.

IMPORTANT: Some states restrict the limitation or exclusion of consequential damages;

- Labor or freight expense;
- Fading, staining or weathering of the wood cabinet.
- Damage to or fading or staining of the acrylic surface caused by impact, scratching, abrasive or corrosive cleaners, overheating or freezing of the spa water, natural mineral or chemical content of the spa water, water additives or treatments other than those prescribed in the owner's manual, failure to maintain proper water chemistry as recommended in the owner's manual and exposure to direct sunlight or ultraviolet rays;
- Damage caused by improper handling, nonfactory installed accessories or fittings, installation, repair or

alteration by anyone other than an authorized representative of Marquis Corp., misuse or accident.

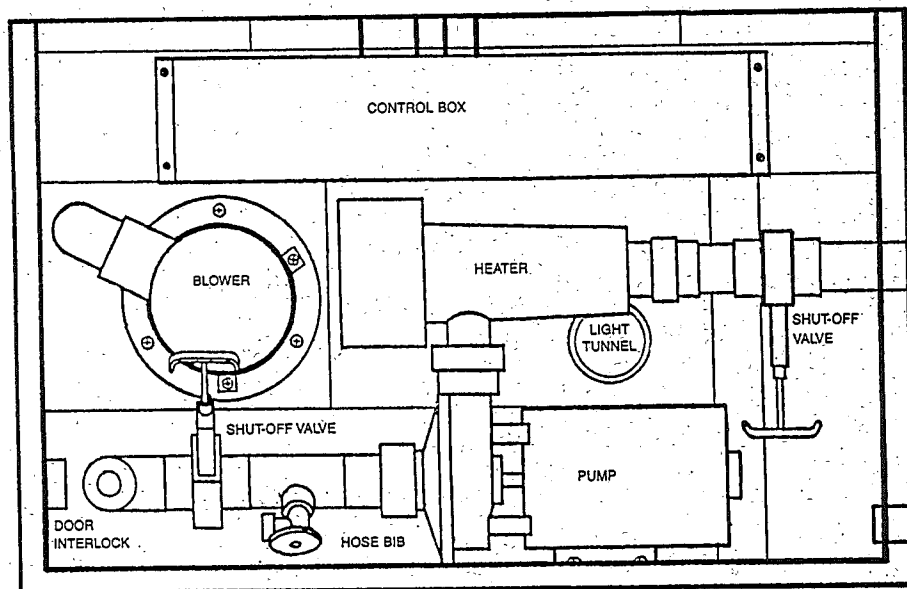
4. This warranty extends to the original retail purchaser only and is not transferrable or enforceable by any other party. This warranty takes effect upon purchase of the product by the original retail purchaser or six (6) months from the date of manufacture, whichever occurs first. The warranty registration card provided at the time of purchase must be completed, signed by the original retail purchaser and mailed to Marquis Corp. not later than ten (10) days following the date of purchase.

5. In no event shall any obligation of Marquis Corp. extend beyond the original period of any applicable warranty determined according to the purchase date.

PROCEDURE

In order to obtain the benefit of this warranty, the original retail purchaser shall notify, in writing, the dealer from whom the spa was purchased within thirty (30) days after discovery of the defect, but in no event later than the expiration of the applicable warranty period.

PACIFIC MARQUIS SUPPORT SYSTEM



WARRANTY REGISTRATION MAIL PROMPTLY

REGISTRATION MUST BE RETURNED WITHIN TEN (10) DAYS OF PURCHASE.

NAME OF PURCHASER _____		DATE PURCHASED _____
ADDRESS _____		
CITY _____	STATE _____	ZIP _____
YOUR SIGNATURE _____		TELEPHONE _____
SPA MODEL _____	COLOR _____	SERIAL NUMBER _____
DEALER'S NAME _____		
DEALER'S ADDRESS _____		

I HAVE RECEIVED AND READ THE OWNERS MANUAL ☐

I HAVE READ THE SAFETY PRECAUTIONS FOR MY SPA ☐

OPTIONAL INFORMATION:

Age: ☐ 18 to 30, ☐ 31 to 45, ☐ 46 to 60, ☐ 61 and older

☐ Single ☐ Married ☐ Children

How do you plan to use your spa/bath?

(A) Recreation (B) Entertainment

(C) Health/Therapy (D) Business/Commercial

How did you find out about Pacific Marquis?

(A) Friend (B) Newspaper (C) Magazine (D) TV

(E) Radio (F) Other _____

Have you owned a pool or spa before? YES NO

How do you plan to install your spa?

(A) Self (B) Contractor (C) Dealer

Spas of distinction.
**PACIFIC
 MARQUIS®**

