

beachcomber
HOT TUBS

Owner's Guide

IMPORTANT: Your dealer will register and activate your Beachcomber guarantee online. We strongly recommend that you return to your dealership after one month (once your hot tub is in operation) to obtain a printed copy of your warranty. This will also give you the opportunity to ask your dealership any questions that may have arisen during that time.

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Your Beachcomber Hot Tub

Congratulations on the purchase of your new Beachcomber Hot Tub. This guide will help you learn to use the features of your hot tub to get the most from your new investment. We recommend that you record some basic information about your hot tub in the space indicated, so that you can have it on hand if you need to contact your local dealership:

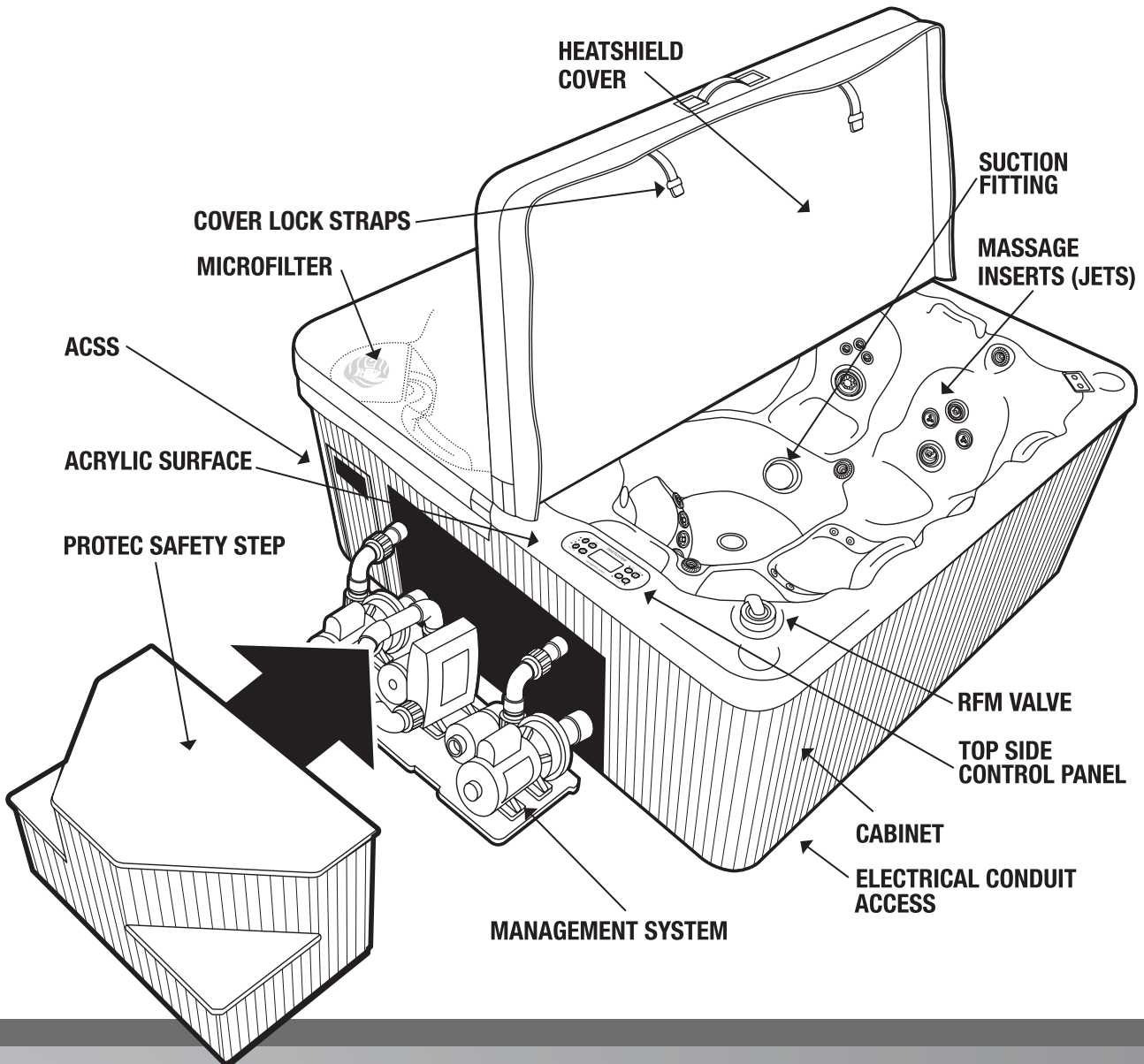
MODEL NUMBER: _____ **DATE OF PURCHASE:** _____

HOT TUB SERIAL NUMBER : _____ **DEALERSHIP NAME :** _____

GUARANTEE NUMBER: _____ **DEALERSHIP PHONE:** _____

The Basic Components of Your Beachcomber Hot Tub

Please use the diagram below to familiarize yourself with the basic components of your Beachcomber Hot Tub. We also recommend that you read this entire document, so that you and your family know how to safely enjoy your Beachcomber Hot Tub.





Important Safety Instructions

**** WARNING ****

IMPORTANT! READ AND FOLLOW ALL INSTRUCTIONS.
PLEASE KEEP THESE INSTRUCTIONS.

A green colored terminal, or wire connector marked *Ground* is provided within the control box. To reduce the risk of electric shock, connect this terminal or connector to the grounding terminal of the electric service or supply panel with a continuous copper wire equivalent in size to the circuit conductors supplying this equipment. In addition bonding lugs are provided and marked *Bonding Lugs*. To reduce the risk of electric shock, connect the bonding lugs in accordance with the local electric code.

At least two lugs marked *Bonding Lugs* are provided on the external surface of the supply terminal box. To reduce the risk of electrical shock connect the local common binding grid in the area of the hot tub to these terminals with an insulated or bare copper conductor not smaller than No.6 AWG. *Note: this is pre-done at the factory.*

All field-installed metal components such as rails, ladders, drains or other similar hardware within 10 ft(3m) of the hot tub shall be bonded to the equipment grounding bus with copper conductors not smaller than #6AWG.

CAUTION: WIRING CONNECTED IN THIS BOX MUST BE RATED AT 600V.

Do not attempt to fix anything within the management system. The high voltage can cause injury or death. The hot tub must be hooked up to a Ground Fault Circuit Interrupter (*G.F.C.I.*) by a licensed electrician. Use the test button on your *G.F.C.I.* monthly to ensure it is working properly.

Always make sure there is an adequate sanitizer level in your hot tub before entering. Failure to do so may cause skin irritations or illness. Use a test kit or test strips to check.

CAUTION: WATER TEMPERATURE IN EXCESS OF 100°F/38°C MAY BE INJURIOUS TO YOUR HEALTH.

To reduce the risk of drowning from hair and body entrapment, install suction fitting(s) with a marked flow rate that is not less than the flow rate marked on the remote packaged unit. *Note: these are factory installed.* Do not operate the hot tub with any of the suction fitting covers off. These covers prevent hair or objects from being sucked into the plumbing. *See figure 1.*

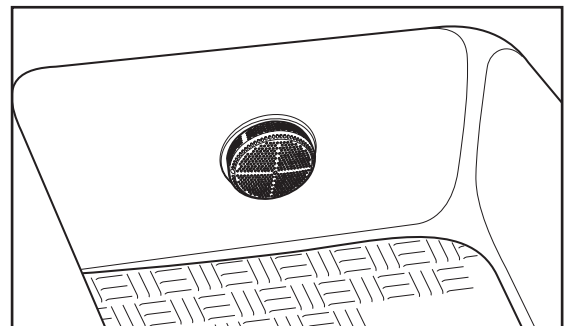


figure 1

CAUTION: THE EQUIPMENT AND CONTROLS SHALL BE LOCATED NOT LESS THAN 3.5 ft OR 1m HORIZONTALLY FROM THE HOT TUB.

Hyperthermia occurs when the internal temperature of the body reaches a level of several degrees above normal body temperature of 98.6°F (37°C). The symptoms of hyperthermia include drowsiness, lethargy and an increase of internal temperature of the body.

The Effects:

- unawareness of impending hazard;
- failure to perceive heat;
- failure to recognize the need to exit the hot tub;
- physical inability to exit the hot tub;
- fetal damage in pregnant women; and
- Unconsciousness and danger of drowning.

**** WARNING ****

THE USE OF ALCOHOL OR DRUGS CAN GREATLY INCREASE THE RISK OF FATAL HYPERTHERMIA IN HOT TUBS.

Recommended time in water at 100°F/38°C is 15 minutes. Lower temperatures will permit longer bathing times. Always check the temperature of the water before entry.

**** WARNING ****

ANY PERSON WITH THE FOLLOWING CONDITIONS SHOULD CONSULT THEIR PHYSICIAN BEFORE USING A HOT TUB. DIABETES, HIGH BLOOD PRESSURE, HEART DISEASE, CIRCULATORY PROBLEMS, PREGNANT WOMEN OR THOSE TAKING MEDICATION PRESCRIBED BY THEIR PHYSICIAN. DO NOT ALLOW ELECTRICAL DEVICES TO SUCH AS PORTABLE STEREO, TVS, HAIR DRYERS WITHIN 5 FEET/1.5 METERS OF THE TUB. FAILURE TO DO SO COULD RESULT IN DEATH DUE TO ELECTROCUTION SHOULD THE DEVICE FALL IN THE WATER. ALWAYS PROVIDE ADEQUATE SUPERVISION WHEN CHILDREN ARE USING THE HOT TUB.

Always follow the label instructions on water care chemicals:

- Do not mix products together;
- Add one at a time;

- Add chemical to water not water to chemicals;
- Keep out of reach of children; and
- Store chemicals in a cool dry place, do not allow liquids to freeze.

Beachcomber's Safety Features

Molded Interior Steps

Beachcomber Hot Tubs are made with checker plate flooring designed to make entry and exit safer.

Body Molded Handgrips Found on all sides of a Beachcomber Hot Tub, these hand grips make getting out of the seat much easier and safer.

See figure 2.



figure 2

Protec Step

If your hot tub is equipped with the Beachcomber Protec option, it includes the Protec Safety step to make entry and exit of the hot tub easier and safer. Always secure the step to the hot tub with the hardware provided to ensure maximum safety and protection to the Protec Equipment.

Portable Step

With Beachcomber's Original Portable Hot Tub, you can purchase an optional two level step for easy entry and exit.

Heatshield Cover Locks

To prevent unwanted entry by children or unauthorized users, use the cover lock assemblies that come as a standard feature with each hot tub. Screw the female half on to the hot tub skirting with the stainless screws provided. *See figure 3.*

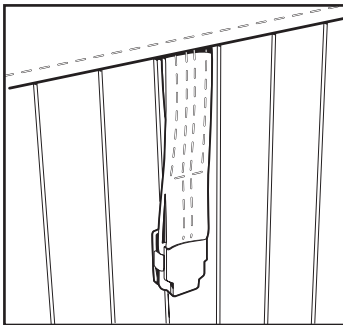


figure 3

Starting up a Beachcomber Hot Tub

Once the Protec equipment is hooked up using the separate instructions provided with the Protec Equipment box, and the electrical connection is made by a qualified electrician, do the following:

1. Check all union fittings on the Protec or Portable equipment to ensure that they are tight. Hand-tightened is sufficient. If leaking is noted at these fittings you may need to tighten further or the gasket may be missing or not seated properly. Unscrew the union and check.
2. Open all knife valves that are pointing up. See figure 4. Leave all valves that are facing down in the closed position. Fill the hot tub with water from a garden hose. You can hang the hose over the edge of the hot tub or hook it up to the drain/fill valve located down by the pumps and fill from the bottom. See figure 10. It is recommended you run your water through your garden hose to waste for a few seconds before filling the hot tub.

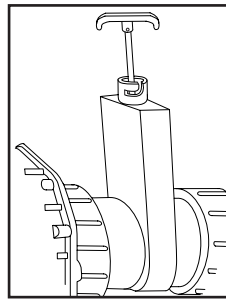


figure 4

3. Fill the hot tub to half way up the skimmer opening. Note: If your hot tub is Hush Pump equipped your level can be lowered to one third up the skimmer opening. This will allow for more displacement if the hot tub is subjected to use by more than the recommended amount of people for that model. See Figure 5.



figure 5

** WARNING **

OVER FILLING WILL NOT ALLOW ROOM FOR DISPLACEMENT FROM PEOPLE ENTERING THE HOT TUB. UNDER FILLING COULD CAUSE AN AIRLOCK IN THE SYSTEM AND COULD LEAD TO PUMP AND HEATER DAMAGE NOT COVERED BY YOUR GUARANTEE.

4. Open the air bleed thumb screws to release any air trapped in the external plumbing. (See Figure 4) There is one on the 300 and 500 series hot tubs, two on a 500 series with Hush pump and a standard 700 series and three on a 700 series with Hush pump. See the equipment configuration diagrams on the next page to locate the air bleed thumb screws. Once all air is bled from the system, open any knife valves that are facing down.
5. With the air bled from the system, you can now turn on the power at the GFCI. Once the control panel is on, use the instructions on the following pages to complete your start up. Refer to the instructions for the control panel that matches your system.

Basic Hot Tub Configurations

Beachcomber Manufactures hot tubs in two configurations, one of which you now own. The Limited Edition, or Protec Hot Tub, features the equipment outside of the hot tub cavity under a safety step. *See Figure 6.*

The Original Portable features the equipment tucked inside the hot tub cabinetry. *See Figure 7.*

Beachcomber Limited Edition

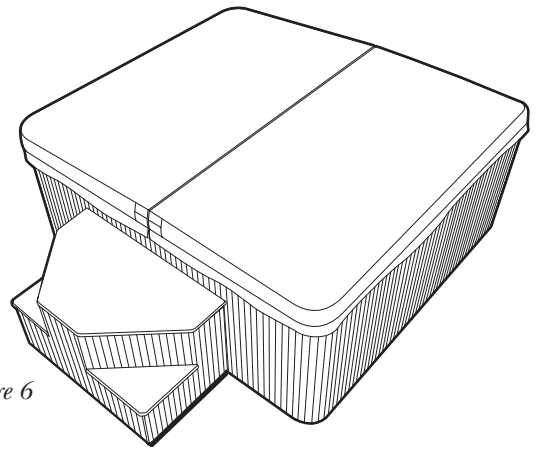


figure 6

Beachcomber Original Portable

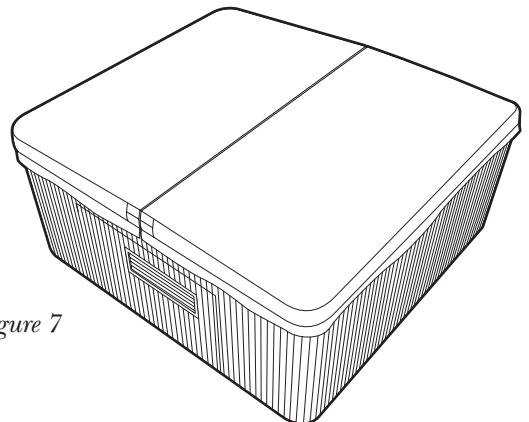
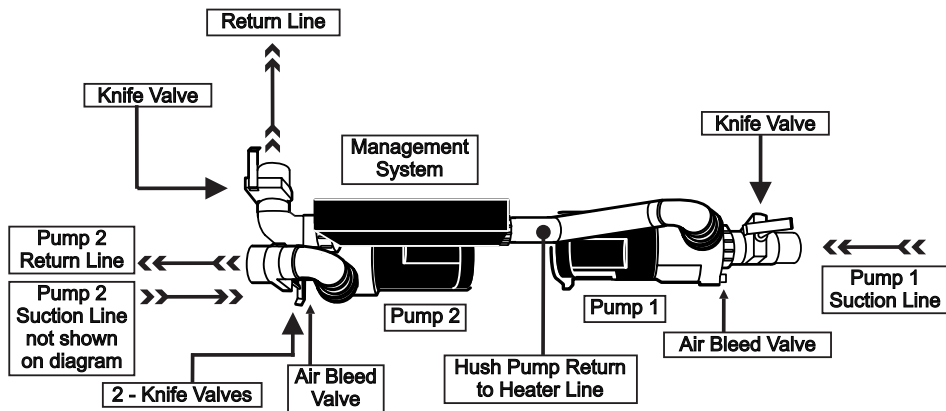


figure 7

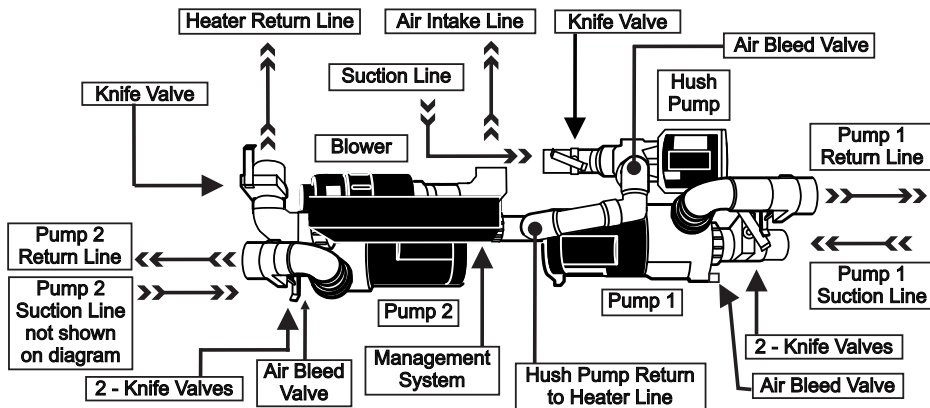
Equipment Configuration Diagrams

Please use these diagrams for component location on all Beachcomber models.

Original Portable Hot Tub, 2 Speed Pump Version

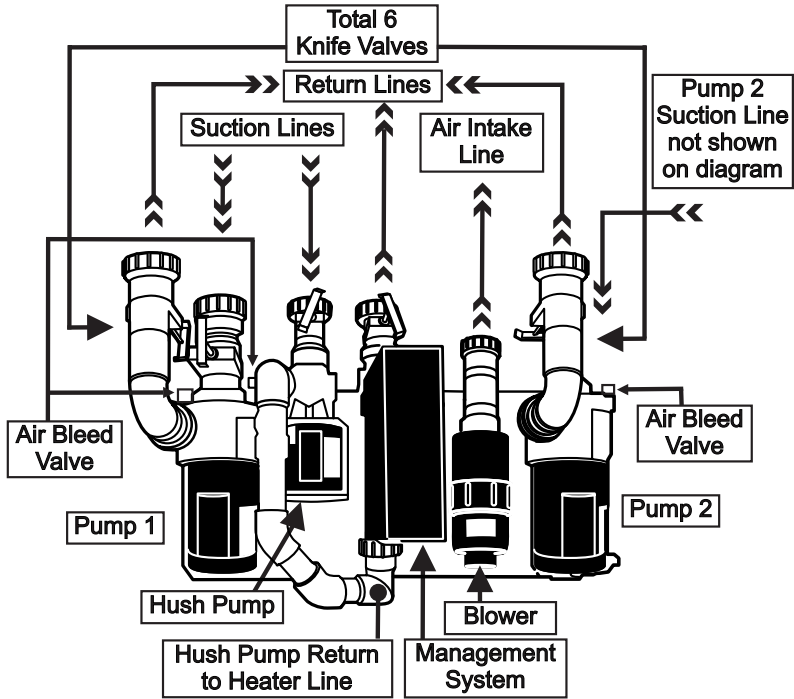


Original Portable Hot Tub, Hush Pump & Turbo Version

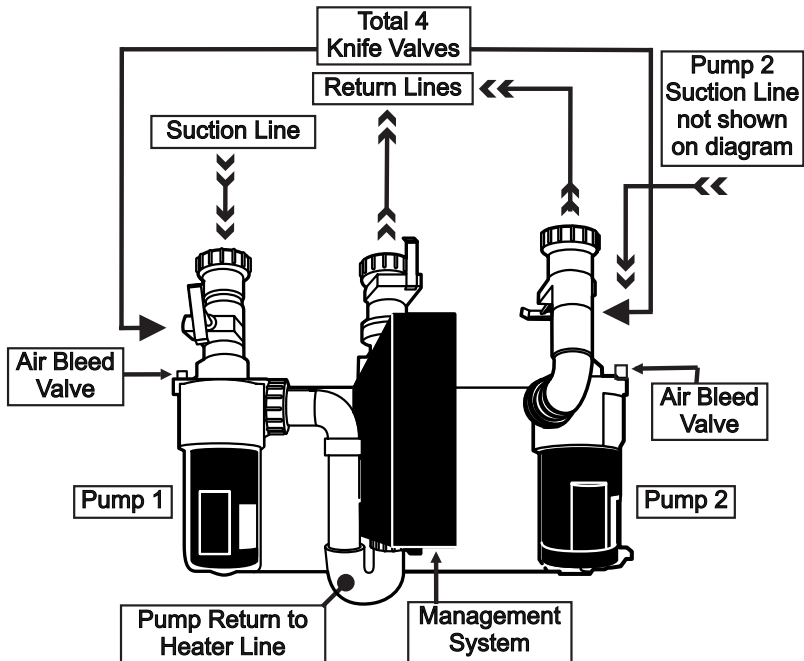


Please Note: Your hot tub may or may not be equipped with features shown in this Owner's Guide. Beachcomber makes continual changes, upgrades and improvements; if you need more specific information on your hot tub, please call your local Beachcomber Dealership, or use the contact information in this guide.

Protec Hot Tub, Hush Pump & Turbo Version



Protec Hot Tub, 2 Speed Pump Version



Please Note: Your hot tub may or may not be equipped with features shown in this Owner's Guide. Beachcomber makes continual changes, upgrades and improvements; if you need more specific information on your hot tub, please call your local Beachcomber Dealership, or use the contact information in this guide.



ET-7 CONTROL PANEL INSTRUCTIONS

START UP

When your hot tub is first activated, it will go into priming mode (after displaying some configuration information). The priming mode will last up to 4 minutes; then circulation will start, then heat icon will come on for 6 seconds, and then flicker for 1 minute. Then heater will come on to heat water to set temperature. It is recommended that priming mode be allowed to finish, preventing any pumps from operating dry. If you are positive all pumps are primed you can exit priming mode early by pressing or .

TEMPERATURE ADJUSTMENT

Temp range is: (80°F - 104°F/26.0°C – 40.0°C) The factory pre-set temperature is set at 100°F/37.5°C. The last measured temperature is constantly displayed on the LCD. See edit menu in Owner's Guide to select F° or C°. *Note: On non Hush Pump hot tubs the current water temperature will only be displayed if the 2 speed filter pump has been running for two minutes.*

WARM / COOL

Press the or button twice to display the set temperature. Each time either button is pressed again, the set temperature will increase or decrease depending on which button is pressed. After three seconds, the LCD will automatically display the last measured water temperature.

HEATING MODES

This button is used to switch between Standard, Economy, and Sleep modes. Press to enter mode programming, press to cycle through to desired mode (LCD flashes until confirmed), then press to confirm selection.

Standard Mode maintains the set temperature at all times. Note that the last measured hot tub temperature displayed is current only when the pump has been running for at least 2 minutes. The **STANDARD** icon will display until the mode is changed.

Economy Mode heats the hot tub to the set temperature only during filter cycles. The **ECONOMY** icon will display until mode is changed. Pressing while in Economy mode puts the hot tub in Standard-In-Economy mode, which operates the same as Standard

Mode, then reverts to Economy Mode automatically after 1 hour.

Use this mode to activate the heater if using the hot tub when not in filter cycle. During this time, a press of the button will revert to Economy Mode immediately

Sleep Mode heats the hot tub within 20°F (11°C) of the set temperature only during filter cycles. The **SLEEP** icon will display until mode is changed. Use this mode when going on holidays.

MESSAGE 1

Press button once to turn pump 1 on to low speed, press again for the pump's high speed, and once more to turn off the pump. Low speed turns off automatically after 2 hours and high speed turns off automatically after 15 minutes. Message pump 1 comes on for a 1 minute purge at the start of each filter cycle.

MESSAGE 2

Press button once to turn pump 2 on to low speed, press again for the pump's high speed, and once more to turn off the pump. Low speed turns off automatically after 2 hours and high speed turns off automatically after 15 minutes. Message pump 2 comes on for a 1 minute purge at the start of each filter cycle.

TURBO (optional)

Press the button to turn Turbo on and off. Turbo will automatically turn off after 15 minutes. Turbo comes on for a 10 second purge at the start of each filter cycle.

LIGHT

Press the button to turn the hot tub light on, press again to turn off. If an EverLite bulb is installed refer to a separate reference card to operate. Light will automatically turn off after 3 hours.

STANDBY MODE

Pressing or followed by will turn off all hot tub functions temporarily. **SBY** will appear on your display. This is helpful when changing a Microfilter cartridge. Press any button to exit standby mode. Note: If hot tub is in a heat cycle when standby is selected the 2 speed pump or Hush Pump will run for approximately 15 seconds.

TIME OF DAY AND FILTER CYCLES SETTING

On all systems, the 2 speed filter pump or Hush Pump and ozone generator will run during filtration. There are two filter cycles per day. The start/end times of each cycle are programmable. Programming filter times on Hush Pump equipped hot tubs are used to tell the system how many hours a day to turn the heater on when in Economy mode.

To Program:

1. Press then .
2. Use the and buttons to adjust the time of day in hours, press the again to adjust the time in minutes. Use the and buttons to adjust the minutes. Press to enter new time.
3. You will see **PROGRAM, FILTER 1 (F1), START TIME** appears on the display. Press or to choose the filter start time hour. Enter the hour by pressing .
4. Press or to choose the filter start time minutes. Each press will change the start time by 5 minutes. Enter the minutes by pressing .
5. Press to see the **PROGRAM, FILTER 1 (F1), END TIME**. Adjust the time as done above.
6. Press to see the **PROGRAM, FILTER 2 (F2), START TIME**. Proceed as above.
7. Press to see **PROGRAM, FILTER 2 (F2), END TIME**. Adjust the time as done above.
8. The time that now appears allows you to turn your hot tub light on automatically. Adjust time as done above.
9. Program the time you want your light to turn off.
10. Press will enter the new filter cycle times into the system and display the current water temperature.

PANEL INVERSION

Press the or button, followed by the or button to change the numbers in the display to read upside down. Press the same sequence to set back.

LOCKING THE PANEL

Press , 1 then within 3 seconds. When locked, the **PL** indicator light will light up. All buttons are frozen except the button. To unlock the panel, press , 1 then .

LOCKING THE SET TEMPERATURE

Press or then , 1 and within 3 seconds to activate the lock. The **TL** indicator light will light up when temperature is locked. To unlock the set temperature, press or then , 1 and .

PERIODIC REMINDER MESSAGES

(press the button to reset a displayed reminder message)

- rPH:** Test and adjust pH chemical levels as per Beachcomber instructions. Reminder is every 7 days.
- rCL:** Remove, clean, and reinstall Microfilter cartridge as per Beachcomber instructions. Reminder is every 30 days.
- rt9:** Test & reset GFCI as per Beachcomber instructions. Reminder is every 30 days.
- rdr:** Drain and refill hot tub as per Beachcomber instructions. Reminder is every 90 days.
- rCO:** Clean and condition Heatshield as per Beachcomber instructions. Reminder is every 180 days.
- rCH:** Install new Microfilter cartridge. Reminder is every 365 days.

To suppress reminders, refer to the edit menu section in the Owner's Guide.

DIAGNOSTIC DISPLAY MESSAGES

OHH or **OHS:** Overheat-DO NOT ENTER HOT TUB

ICE: Potential Freeze

SNA: Hot tub is shut down

SNB: Hot tub is shut down

SNS: Sensor out of balance

HFL: Could indicate flow problem

LF: Persistent low flow problems

DR: Inadequate water detected

DRY: Inadequate water detected

PR: Hot tub in priming mode

--: Temperature unknown

---: Temperature not current or in Economy or Sleep mode.

PLEASE REFER TO TROUBLE SHOOTING GUIDE ON PAGE 23 FOR A COMPLETE EXPLANATION OF DIAGNOSTIC MESSAGES.


WARNING SHOCK HAZARD! NO USER SERVICEABLE PARTS.

DO NOT ATTEMPT SERVICE OF THIS CONTROL. CONTACT YOUR DEALERSHIP OR SERVICE PROVIDER FOR ASSISTANCE. FOLLOW ALL OWNER'S GUIDE POWER CONNECTION INSTRUCTIONS. INSTALLATION MUST BE PERFORMED BY A LICENSED ELECTRICIAN AND ALL GROUNDING CONNECTIONS MUST BE PROPERLY INSTALLED.






ET-5 CONTROL PANEL INSTRUCTIONS





STARTUP

When your hot tub is first activated, it will go into priming mode (after displaying some configuration information). The priming mode will last up to 4 minutes; then circulation will start, then heat light will come on for 6 seconds, and then flicker for 1 minute. Then heater will come on to heat water to set temperature. It is recommended that priming mode be allowed to finish, preventing any pumps from operating dry. If you are positive all pumps are primed you can exit priming mode early by pressing .

TEMPERATURE ADJUSTMENT




Temp range is: (80°F - 104°F/26.0°C – 40.0°C) The factory pre-set temperature is set at 100°F/37.5°C. The last measured temperature is constantly displayed on the LCD. See edit menu in Owner's Guide to select F° or C°. *Note: On non Hush Pump hot tubs the current water temperature will only be displayed if the 2 speed filter pump has been running for two minutes.* Press the  button once to display the temperature previously set. To change the set temperature, press the  button a second time before the LCD stops flashing. Each press of the  will continue to cause the set temperature to increase or decrease depending on what direction was last chosen. Each press to follow will change the set temperature in the same direction. If the opposite direction is desired, release the pad and let the display revert to the actual water temperature. Press the pad to display the set temperature, and again to make the temperature change in the desired direction. Actual water temperature will reappear on the display after changing the temperature setting.

HEATING MODES

A button combination is used to switch between Standard, Economy, and Sleep modes. Press  followed by  to enter mode programming, press  to cycle through to the desired mode (LCD flashes until confirmed), then press  to confirm selection.


Standard Mode maintains the set temperature at all times.

STD will appear on the display momentarily when you switch into Standard Mode.


Economy Mode heats the hot tub to the set temperature only during filter cycles. **ECN** will appear solid when the temperature is not current and will alternate with the temperature when the temperature is current. On a Hush Pump equipped hot tub the heater will come on if required for up to 2 hours twice a day (total of 4 hrs). Pressing  while in economy mode puts the hot tub in Standard-In-Economy mode, **SE**, which operates the same as standard mode, then reverts to Economy mode automatically after 1 hour. Use this mode to activate the heater if using tub when not in filter cycle. During this time, pressing  followed by  will revert the mode to Economy immediately.

Sleep Mode heats the hot tub within 20°F (11°C) of the set temperature only during filter cycles. **SLP** will appear on the display until mode is changed. Use this mode when going on holidays.


MASSAGE

Press the  button once to activate the pump's low speed, again for the pump's high speed, and once more to turn off the pump. The pump's low speed turns off automatically after 2 hours. The pump's high speed will turn off automatically after 15 minutes. Massage pump comes on for a 1 minute purge at the start of each filter cycle.




TURBO (OPTIONAL)

Press the  button to turn Turbo on and off. Turbo will automatically turn off after 15 minutes. Turbo comes on for a 10 second purge at the start of each filter cycle.

LIGHT

Press the  button to turn the hot tub light on, press again to turn off. If an EverLite bulb is installed refer to a separate reference card to operate. Light will automatically turn off after 3 hours.







STANDBY MODE

Pressing  followed by  or  will turn off all hot tub functions temporarily. **SBY** will appear on your display. This is helpful when changing a Microfilter cartridge. Pressing any button exits Standby mode. *Note: If the hot tub is in a heat cycle when standby is selected the 2 speed filter pump or Hush Pump will run for approximately 15 seconds.*


FILTER CYCLES

The first filter cycle (day) begins 6 minutes after the hot tub is powered up. The second filter cycle (night) begins 12 hours later. If the hot tub is not Hush Pump equipped, filter duration is programmable for 1-12 hours (F1-F12). The default filter time is 2 hour cycles twice a day.

To program:

1. Press  button then .
2. Press  to select the filter duration.
3. Press  to select the number of filter cycles.
4. Display will show **DN** (both day and night cycles); or **D** (day cycle only); or **N** (night cycles only). Press  to adjust
5. Press  to exit programming mode.
6. Hush Pump equipped hot tubs will automatically filter 2-12 hour cycles per day. No programming is available on Hush Pump equipped hot tubs due to the energy efficiency of the Hush Pump.

PERIODIC REMINDER MESSAGES

(press the  button to reset a displayed reminder message)

- rPH:** Test and adjust pH chemical levels as per Beachcomber instructions. Reminder is every 7 days.
- rCL:** Remove, clean, and reinstall Microfilter Cartridge as per Beachcomber instructions. Reminder is every 30 days.
- rt9:** Test & reset GFCI as per Beachcomber instructions. Reminder is every 30 days.
- rdr:** Drain and refill hot tub as per Beachcomber instructions. Reminder is every 90 days.
- rCO:** Clean and condition Heatshield as per Beachcomber instructions. Reminder is every 180 days.
- rCH:** Install new Microfilter cartridge. Reminder is every 365 days.

To suppress reminders, refer to the edit menu section in the Owner's Guide.

DIAGNOSTIC DISPLAY MESSAGES

OHH or **OHS:** Overheat-DO NOT ENTER HOT TUB

ICE: Potential Freeze

SNA: Hot tub is shut down

SNB: Hot tub is shut down

SNS: Sensor out of balance

HFL: Could indicate flow problem

LF: Persistent low flow problems

DR: Inadequate water detected

DRY: Inadequate water detected

PR: Hot tub in priming mode

- - : Temperature unknown

STD: Hot tub is in Standard mode

ECN: Hot tub is in Economy mode

SE: Hot tub is in Standard-Economy mode

PLEASE REFER TO TROUBLE SHOOTING GUIDE ON PAGE 23 FOR A COMPLETE EXPLANATION OF DIAGNOSTIC MESSAGES.


WARNING SHOCK HAZARD! NO USER SERVICEABLE PARTS.

DO NOT ATTEMPT SERVICE OF THIS CONTROL. CONTACT YOUR DEALERSHIP OR SERVICE PROVIDER FOR ASSISTANCE. FOLLOW ALL OWNER'S GUIDE POWER CONNECTION INSTRUCTIONS. INSTALLATION MUST BE PERFORMED BY A LICENSED ELECTRICIAN AND ALL GROUNDING CONNECTIONS MUST BE PROPERLY INSTALLED.






ET-3 CONTROL PANEL INSTRUCTIONS

STARTUP

When your hot tub is first activated, it will go into priming mode (after displaying some configuration information). The priming mode will last up to 4 minutes; then circulation will start, then heat light will come on for 6 seconds, and then flicker for 1 minute. Then heater will come on to heat water to set temperature. It is recommended that priming mode be allowed to finish, preventing any pumps from operating dry. If you are positive all pumps are primed you can exit the priming mode early by pressing .

TEMPERATURE ADJUSTMENT

Temp range is: (80°F - 104°F/26.0°C – 40.0°C) The factory pre-set temperature is set at 100°F/37.5°C. The last measured temperature is constantly displayed on the LCD. See edit menu in Owner's Guide to select F° or C°. *Note: On non Hush Pump hot tubs the current water temperature will only be displayed if the 2 speed filter pump has been running for two minutes.*




Press the  button once to display the temperature previously set. To change the set temperature, press the  button a second time before the LCD stops flashing. Each press of the  will continue to cause the set temperature to increase or decrease depending on what direction was last chosen. Each press to follow will change the set temperature in the same direction. If the opposite direction is desired, release the pad and let the display revert to the actual water temperature. Press the pad to display the set temperature, and again to make the temperature change in the desired direction. Actual water temperature will reappear on the display after changing the temperature setting.

HEATING MODES

A button combination is used to switch between Standard, Economy, and Sleep modes. Press  followed by  to enter mode


programming, press  to cycle through to the desired mode (LCD flashes until confirmed), then press  to confirm selection.

Standard Mode maintains the set temperature at all times. **STD** will appear on the display momentarily when you switch into Standard Mode.


Economy Mode heats the hot tub to the set temperature only during filter cycles. **ECN** will appear solid when the temperature is not current and will alternate with the temperature when the temperature is current. On a Hush Pump equipped hot tub the heater will come on if required for up to 2 hours twice a day (total of 4 hrs). Pressing  while in economy mode puts the hot tub in Standard-In-Economy mode, **SE**, which operates the same as standard mode, then reverts to Economy mode automatically after 1 hour. Use this mode to activate the heater if using tub when not in filter cycle. During this time, pressing  followed by  will revert the mode to Economy immediately.

Sleep Mode heats the hot tub within 20°F (11°C) of the set temperature only during filter cycles. **SLP** will appear on the display until mode is changed. Use this mode when going on holidays.




MASSAGE

Press the  button once to activate the pump's low speed, again for the pump's high speed, and once more to turn off the pump. The pump's low speed turns off automatically after 2 hours. The pump's high speed will turn off automatically after 15 minutes. Massage pump comes on for a 1 minute purge at the start of each filter cycle.

LIGHT

Press the  button to turn the hot tub light on, press again to turn off. If an EverLite bulb is installed refer to a separate reference card to operate. Light will automatically turn off after 3 hours.







STANDBY MODE

Pressing  followed by  or  will turn off all hot tub functions temporarily. **SBY** will appear on your display. This is helpful when changing a filter element. Pressing any button exits Standby mode. *Note: If the hot tub is in a heat cycle when standby is selected the 2 speed filter pump or Hush Pump will run for approximately 15 seconds.*


FILTER CYCLES

The first filter cycle ("day") begins 6 minutes after the hot tub is powered up. The second filter cycle ("night") begins 12 hours later. If the hot tub is not Hush Pump equipped filter duration is programmable for 1-12 hours (F1-F12). The default filter time is 2 hour cycles twice a day.

To Program:

1. Press  button then .
2. Press  to select the filter duration.
3. Press  to select the number of filter cycles.
4. Display will show **DN** (both day and night cycles); or **D** (day cycle only); or **N** (night cycles only). Press  to adjust
5. Press  to exit programming mode.
6. Hush pump equipped hot tubs will automatically filter 2-12 hour cycles per day. No programming is available on Hush equipped hot tubs due to the energy efficiency of the Hush Pump.

PERIODIC REMINDER MESSAGES

(press the  button to reset a displayed reminder message)

- rPH:** Test and adjust pH chemical levels as per Beachcomber instructions. Reminder is every 7 days.
- rCL:** Remove, clean, and reinstall Microfilter Cartridge as per Beachcomber instructions. Reminder is every 30 days.
- rt9:** Test & reset GFCI as per Beachcomber instructions. Reminder is every 30 days.
- rdr:** Drain and refill hot tub as per Beachcomber instructions. Reminder is every 90 days.
- rCO:** Clean and condition Heatshield as per Beachcomber instructions. Reminder is every 180 days.
- rCH:** Install new Microfilter cartridge. Reminder is every 365 days.

To suppress reminders, refer to the edit menu section in the Owner's Guide.

DIAGNOSTIC DISPLAY MESSAGES

OHH or **OHS:** Overheat-DO NOT ENTER HOT TUB

ICE: Potential Freeze

SNA: Hot tub is shut down

SNB: Hot tub is shut down

SNS: Sensor out of balance

HFL: Could indicate flow problem

LF: Persistent low flow problems

DR: Inadequate water detected

DRY: Inadequate water detected

PR: Hot tub in priming mode

- - : Temperature unknown

STD: Hot tub is in Standard mode

ECN: Hot tub is in Economy mode

SE: Hot tub is in Standard-Economy mode

PLEASE REFER TO TROUBLE SHOOTING GUIDE ON PAGE 23 FOR A COMPLETE EXPLANATION OF DIAGNOSTIC MESSAGES.

WARNING SHOCK HAZARD! NO USER SERVICEABLE PARTS.

DO NOT ATTEMPT SERVICE OF THIS CONTROL. CONTACT YOUR DEALERSHIP OR SERVICE PROVIDER FOR ASSISTANCE. FOLLOW ALL OWNER'S GUIDE POWER CONNECTION INSTRUCTIONS. INSTALLATION MUST BE PERFORMED BY A LICENSED ELECTRICIAN AND ALL GROUNDING CONNECTIONS MUST BE PROPERLY INSTALLED.



Edit Menu

There are three selections in the Edit Menu. To enter the Edit menu press **⏏** (**⏏**) or **⏏** for the ET-7), then **⊗** or (**⊗**1 for the ET-7) and then **⊗**.

The display will then show a submenu of **USR**, this is the user preference menu or **SLD**, this displays a series of numbers indicating the system manufacturer model, and software version. Any setting changes will be retained if power to the system is shut off. The edit menu has a 5 second timeout and the submenus have a 30 second timeout. There are three user preference settings.

Suppress Reminders: Your system will periodically remind you to perform certain maintenance tasks on your hot tub. See the Control Panel section for a complete list of reminders and what they mean. If you do not want your system to display the reminders do the following.

- Using the instructions above to get to the Submenu **USR**.
- Press **⊗** or (**⊗**1 for the ET-7) and the display will show **SRN** or **SRY**.
- Press **⏏** (**⏏**) or **⏏** for the ET-7) to select either **Y** to suppress reminders or **N** to not suppress reminders. Then press **⊗** or (**⊗**1 for the ET-7) to accept your selection.
- Press **⊗** to get to the next setting selection.

Temperature display

You have the option of changing the default temperature display from fahrenheit to centigrade.

- With **TC** on the display use the temp button to select **Y** for Celsius and **N** for Fahrenheit.
- Then press **⊗** or (**⊗**1 for the ET-7) to accept your setting.
- Then press **⊗** to get to the next selection.

24 hour Time display

If your hot tub is a 700 series you can select whether your clock display is in 24 hour (Military) format or 12 hour (am/pm)

- With 24 on the display press the **⏏** or **⏏** to select Y for Military format or n for am/pm.
- Then press **⊗**1 to accept your selection.

Water Care and Maintenance

Now that you are familiar with the operation of your Beachcomber Hot Tub you need to become familiar with the care and maintenance of it.

WATER CARE PRODUCT STARTUP PROCEDURE

Follow these basic steps before entering the hot tub.

1. Add a full bottle of Eliminate #1 to the circulating water.
2. Wait one hour.
3. Add 2 oz/60 ml of Eliminate Plus #2.
4. Add 3.5 oz/100 ml of Purezyme #3.
5. Wait 6 hours.
6. Add your sanitizer of choice.

Note: Beachcomber offers several water care programs to suit your needs; ask your dealership for a tote card or check our website for those specific details- your startup regimen may vary slightly.

BEACHCOMBER'S RECOMMENDED PARAMETERS FOR BALANCED HOT TUB WATER

PH LEVEL:	7.2 - 7.8
SANITIZER LEVEL (CHLORINE OR BROMINE):	3 - 5 PPM
CALCIUM HARDNESS:	150 - 200 PPM
TOTAL ALKALINITY:	100 - 120 PPM
TOTAL DISSOLVED SOLIDS:	NO MORE THAN 1500 PPM

Your dealer may recommend slightly different levels depending on your local source water. Please see your dealer for more information by taking a water sample in to be analyzed.

Water Care and Chemistry

This is a very important component to protect your hot tub and its equipment. Failure to maintain proper water balance could damage your hot tub and equipment and affect your guarantee. See your guarantee for details. Your dealer can provide you with free water analysis and treatment information. Also see the booklet, *Beachcomber's Guide to Hot Tub Water Care* for additional information.

SANITIZER LEVEL

Always maintain an adequate sanitizer level. Failure to do so will result in cloudy water, odor and skin or respiratory problems. The ideal range is 3 - 5 ppm. Check daily with test strips or drops. See your local Beachcomber Dealer to find the right system for you.

PH LEVEL

**** WARNING ****

ALWAYS LEAVE THE HEATSHIELD OPEN FOR ONE HOUR WHEN SHOCK TREATING THE WATER. THE HIGH LEVELS OF SANITIZER CAN DAMAGE THE UNDERSIDE OF YOUR HEATSHIELD. THIS IS NOT COVERED BY YOUR GUARANTEE.

This determines the acidity or alkalinity of your water, 7.0 being neutral. Water that is too acidic will damage the metal parts of your hot tub, water too alkaline will cause cloudiness, scaling

and eye irritation. Check weekly with test strips or drops. The ideal range for hot tubs is 7.2 to 7.8. Use *pH Plus* or *Minus* to adjust.

TOTAL ALKALINITY

This must be balanced to stabilize your pH level, prevent scaling and ensure your sanitizer works at peak efficiency. Use *Resist* to increase the level. Adjust at initial fill and when refilling. Use test strips to check or have your dealer perform the test. The ideal range is 100-120 ppm.

CALCIUM HARDNESS

Too high a level can cause cloudy water or scaling on the hot tub surface and heating element. Too low a level can lead to excess foaming in the water. Use *Protect* to increase the level, use fresh water dilution to lower the level. Adjust at initial fill and when refilling. Your dealership can check this for you. The ideal range is 150 - 200 ppm.

OTHER IMPORTANT CONDITIONERS

1. Metal and mineral sequestering product must be added to keep any metals or minerals in the water in solution form. Use *Eliminate #1* at initial fill.
2. Scale inhibitor protects surfaces in the hot tub from calcium buildup forming on them. Use *Eliminate Plus #2* at initial fill and weekly.
3. Clarifie agglomerates tiny particles in the water making them easier to be picked up by the Microfilter. It also provides lubrication to seals. Use *Pure Blue* at initial fill and weekly.
4. Enzymes, a natural compound, are designed to eliminate scum and organic contaminants. Use *Purezyme #3* at initial fill and weekly.

Beachcomber offers a full line of recommended water care products to get the most from your Beachcomber Hot Tub. Since 1978, we have been providing Beachcomber owners with custom formulated products to meet the needs of your hot tub. Now, Beachcomber offers "Judy Scentsations" to add the healing touch of aromatherapy to your hot tub experience. See your Beachcomber dealership for more details.



Hot Tub Care and Maintenance

MICROFILTER REMOVAL AND MAINTENANCE

The Microfilter in the hot tub should be cleaned approximately every two weeks or more if bather load is high. Failure to clean the Microfilter can result in cloudy water, odor and potential equipment damage due to decreased flow. To remove the Microfilter, put the hot tub on stand-by (*see digital operation instructions for your model on pages 10-15*). Stand-by prevents debris from the Microfilter or objects in the water from being sucked into the pump. *Note: The hot tub will stay in stand-by until the sensors detect 50°F / 10°C or the temperature sensors sense a temperature more than 20°F / 6°C below set point.*

To remove, twist the trim ring to unlock it and remove with the floating weir assembly, then lift out the basket and then pull out the Microfilter. Remove any hair or debris from the basket. Soak the Microfilter in a cleaner such as *Filter Pure* overnight and then remove and rinse thoroughly with a hose spray nozzle to remove cleaner residue. It is recommended that you alternate Microfilter cleaning each month with *Filter Cure*. It is also advisable to have two Microfilters, install the one Microfilter while the other is soaking in the cleaner.

CLEANING OF THE ACRYLIC SURFACE

The acrylic surface is very easy to maintain and care for. Use *Tub Clean* to remove water level scum lines; take some warm water and a damp cloth to wipe down the rest of the surface.

** WARNING **

NEVER USE A CLEANER THAT CONTAINS AMMONIA. THIS COULD DAMAGE YOUR ACRYLIC SURFACE. AVOID LEAVING THE HOT TUB EMPTY AND THE ACRYLIC EXPOSED TO HOT SUN. ALWAYS PUT THE HEATSHIELD BACK ON THE HOT TUB, WHEN IT IS NOT IN USE.

HEATSHIELD AND STEP TOPS

As with any vinyl product that is exposed to the weather, the better the care, the longer it will last. Use a mild dish soap solution to remove dirt on the Heatshield and then treat the vinyl with Cover All. Avoid application in the hot sun.

** WARNING **

WHILE THE HEATSHIELD IS STRONG ENOUGH TO WITHSTAND UP TO 2 FEET OF SNOW IT IS NOT DESIGNED TO SUPPORT THE WEIGHT OF CHILDREN OR PETS WALKING ON IT OR ADULTS SITTING ON IT. THIS WILL BREAK THE FOAM INNERS AND LEAD TO PREMATURE FAILURE OF THE HEATSHIELD.

HOT TUB CABINETRY AND STEPS

The cabinet and Step of your hot tubs is made from a synthetic plastic called Enviroskirt™. If dirty, simply wipe down with a mild soap solution and rinse well. If your hot tub cabinet is natural cedar and you want to keep it looking new, use Nu Wood Stain Clear once a year. If the cedar is weathered some, use Nu Wood Natural or Twilight to bring back the color. Sanding with 100 grit sandpaper may be necessary if weathering is advanced.

**** WARNING ****

NEVER USE AN ABRASIVE CLEANER FOR CLEANING THE ENVIROSKIRT™ CABINET AS THIS WILL DAMAGE THE FINISH.

PLASTIC COMPONENTS

The jets should be removed periodically and rinsed out to remove debris from the spinning assemblies. If calcium build-up is present, soak the parts in Filter Cure to loosen the calcium and then scrub with a brush and rinse off. If a lot of hair and debris is present on suction covers located in the foot well, this can reduce Water flow to the pumps. Manually remove when the hot tub is empty or full.

Operation of Hot Tub Interior Features

MESSAGE INSERTS OR JETS

The jets in a Beachcomber Hot Tub are known as Energy-Jets™1-small, 2-medium and 3-large. They are interchangeable within the same sizes. Simply turn them counterclockwise until they click and pop out. To re-install, line up the small protrusion on the back of the face plate with the slot on the white WaterPort and then turn clockwise and push in until they click in. The jets can also be individually turned off/on. Simply turn clockwise to turn off the water flow and counterclockwise to turn on water flow.

To turn on the neck jet on the model 350 or 500 and 700 series hot tubs turn counterclockwise to turn on and clockwise to turn off. If this jet does not turn off then carefully pry the face plate off with a flat head screw driver, and screw the internal portion back in by hand. Then pop the face plate back on and turn it clockwise to tighten in the internal portion.

AIR CONTROL VALVES

There are two air control valves located on either side of the touch pad. See *Figure 8*. In the six o'clock position they are off, meaning no air can be drawn to the jets. To allow air

to be drawn in, turn the lever to the 2 o'clock position. On 300, and 500 series hot tubs the left air control services the seat jets on the left of the hot tub and jets in the foot well. The right air control services seat jets on the right side of the hot tub. These air controls improve the massage experience in your hot tub by adding more turbulence to the water flow.

On the 350 model and 500 series hot tubs with the Reflex Foot Massage (RFM) option, the right air control services the RFM jets when the water flow is diverted to them and the left air control services all the seat jets. On the 700 series, the left air control allows air flow to jets running off Massage Pump 1. The right air control allows air flow to jets running off Massage Pump 2. The right air control would also allow air flow to the RFM jets if the diverter valve is diverting water flow from Massage Pump 2 to the RFM jets. On all models more air is drawn in when the jet pump is on high speed than when the pump is on low speed.

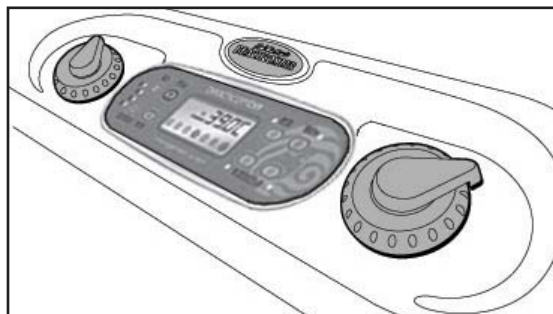
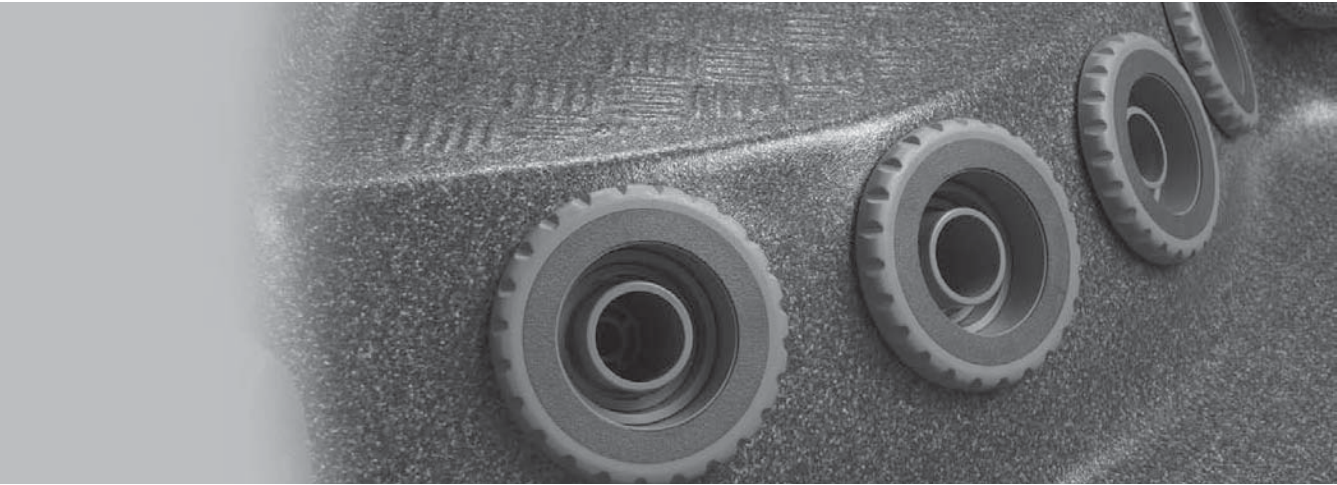


figure 8

RFM DIVERTER VALVE

The purpose of this valve is to divert water flow between either the RFM foot jets or the seat jets. See *figure 8*. On 700 series hot tubs it diverts water flow from massage 2 pump between the RFM foot jets or the seat jets on the left side of the hot tub. Always turn the pump to low speed or off before attempting to turn the RFM valve. Failure to do this could cause the handle to break due to the high velocity of water moving through the valve. Note: when the hot tub is not being used,



the diverter valve handle must be left in the center position. This ensures that water in both zones is always in circulation during periods of non use.

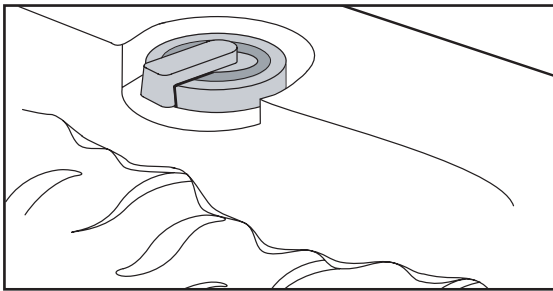


figure 8

Hot Tub Light

All Beachcomber Hot Tubs come with a standard 11 watt, 12 volt incandescent under water light. To replace a burned out bulb, turn off the power, drain the hot tub, and unscrew the lens with the wrench provided with your hot tub. Carefully pull out the burned out bulb and replace. Screw the lens back in until tight. Do not over tighten! If your hot tub is equipped with EverLite see included reference card for instructions.

AQUACOUSTIC SURROUND SOUND SYSTEM™ (ACSS)

This system is designed for lower-level, easy listening, not high volume levels that may disturb neighbors. The remote control is water resistant so if dropped in the water momentarily it will not be damaged. *It is not designed to be left in the water.* Use the remote storage shelf found at the top of the ACSS console to store the remote when not in use. The remote will not work from inside the hot tub if the console door is open. The small

plastic emitter affixed to the door glass is the reason; it must be lined up with eye on the deck for the remote to work from inside the hot tub. Please refer to the CD player manual for further information about your model. See remote control Reference Card for detailed operations.

TURBO

The purpose of the Turbo Option is to increase the amount of air that comes out of the jets. The benefit is a dramatic increase in the feel of the jet pressure and more turbulence in the water. If the Turbo is activated and the air controls are closed, the air from the Turbo will come out of the 4 salt shaker relief jets found in the foot well of the hot tub.

OZONE GENERATOR

Installation of an ozone generator can reduce the demand on your primary sanitizer by oxidizing organic contaminants, which in turn can reduce the frequency of sanitizer use. It does not replace your sanitizer. The ozone generator is a black box mounted on the back wall of the equipment area. It has a clear viewing window on the right end. This window will show a purple glow from the micro chip, when the ozone generator is on during programmed filtering times. The purple glow (best seen at night) is what produces the ozone gas. Over time the purple glow will diminish to the point no ozone is being produced. The output is rated at 9000 hours. If your hot tub is in a programmed filter cycle time, not to be confused with a heat demand cycle, and no purple glow can be seen you may need to replace the micro chip.

Please contact your local Beachcomber dealership to have your Ozone generator serviced.

HUSH PUMP

The Hush Pump is a very quiet, low amperage, high flow circulation and filtration pump that looks after the filter and heating functions of your hot tub. It comes set from the factory to operate 24 hours a day.

Draining Your Beachcomber Hot Tub

The water in your hot tub needs to be changed three to four times a year or more if bather load is high. To calculate the change frequency, use the following formulas.

$$\frac{\# \text{ DAYS} = 1/3 (\text{VOLUME IN US GALLONS})}{\text{MAX \# OF DAILY BATHERS}}$$

Before draining, check the sanitizer level. It should not be above 1.0 to ensure no harm is done to the surrounding environment. If sanitizer level is high, use Beachcomber's Neutr-All as directed on the label.

1. Turn the power off at the G.F.C.I breaker or Power disconnect switch
2. Locate the Black drain/fill valve found in behind the door on a Portable model or under the step on the Protec model. See *Figure 9*. Remove the safety cap from the fitting threaded into the black drain/fill.

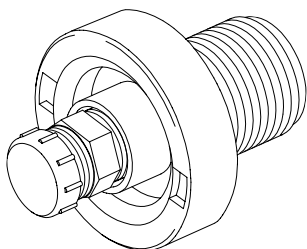


figure 9

3. Attach the female end of your garden hose and place the other end of at a level lower than the drain/fill valve to ensure complete draining. Turn the outer part of the drain/fill valve counter clockwise to open and start the draining.

4. As the level falls below the seats use your hands to scoop water out of the seat contours into the foot well. Draining time will vary from model to model.
5. Once the hot tub is drained, disconnect the garden hose and close the drain valve if you are not going to fill the hot tub through the drain/fill valve. If you want to fill through this fitting, unscrew the threaded adapter and thread in the male end of your garden hose and then attach the female end to your tap and refill. Be sure to clean your hot tub surface before refilling.

Vacation Instructions

If leaving your hot tub full and running while on vacation for 3-5 days do the following:

1. Check and adjust pH level if necessary.
2. Shock-treat water to raise sanitizer level. Leave the hot tub Heatshield half open for 1 hour.
3. Lower water temperature to minimum setting (optional).
4. Lock your Heatshield on the hot tub to maintain a safe environment for pets or children. If in a high wind area, install Hurricane straps available from your local Beachcomber dealership.

Upon returning do the following:

1. Check pH and sanitizer level and adjust if necessary.

If leaving for 5-14 days and no one can come by to maintain the hot tub do the following:

1. Lower the set temperature to 80°F/26.5°C. Sanitizers may last longer in cooler water.
2. Check and adjust pH Alkalinity level if necessary.
3. Use either a Beachcomber floating tablet dispenser or a Holiday Tender tablet dispenser to automatically dispense either Bromine Disc or Mini Disc in your hot tub water to maintain water disinfection. Use the low setting on these devices as the demand



for disinfectant will be low during this time.

4. Lock the Heatshield and attach a Hurricane strap in high wind areas.

Upon returning do the following:

1. Check pH and sanitizer level and adjust if necessary.
2. Return temperature setting to your desired level.

Winter Operation Information

All Beachcomber Hot Tubs have built in freeze protection for their equipment. If your hot tub is not Hush Pump equipped, the freeze protection will activate the pump(s) high speed for approximately 2 minutes if a temperature of 50°F/10°C or below is detected at the heater housing. If your hot tub is Hush Pump equipped, the only time freeze protection will activate is if the hot tub is left in standby mode long enough to allow water at the heater to reach 50°F/10°C or if your hot tub is filled with water that is 50°F/10°C or lower. There is also a small water line that runs from pump to pump that assists in the freeze protection by increasing circulation.

WINTER PRECAUTIONS

If your equipment is not working during freezing temperatures you should first try to contact your local Beachcomber dealership. Some stores have an emergency number for winter. If you cannot contact your dealership, call Beachcomber Customer Care at 1-800-663-6557.

To prevent damage caused by the equipment freezing, place a small space heater or trouble light down by the equipment. Position the heater or light so that it does not melt or come in contact with plastic parts, to avoid equipment damage. You can also block off the step or door vent to keep in the heat but it must be removed once the freezing weather is no longer present.

In the event of a prolonged power outage, first shut off the power at the main panel, then close the knife valves to keep the hot water in the hot tub and then remove the drain plugs or pull out one of the small braided hoses on the front of the pumps to drain all the water from the external plumbing lines and the pumps.

Shutdown Procedures

Beachcomber encourages the use of your hot tub year round, but if you prefer not to use your hot tub for periods longer than 14 days you need to do a proper shut down.

Do the following:

1. Drain the hot tub as outlined in this Guide.
2. Unscrew all union nuts on the front of the pump(s) to allow any water in the external lines to drain out. Retain the gaskets found at these locations, along with the equipment.
3. Locate and remove the small black slotted drain plugs found on the front of the pump(s) below the union nuts from step 2. or remove the small braided hose from the barbed fitting on the front of the Hush Pump.

Removing these allows the last bit of water in the bottom half of the pump to drain out.

4. Remove the Microfilter cartridge and store in a dry place.
5. Lock Heatshield and attach Hurricane strapping if in high wind areas.
6. Provide Extra Support for the Heatshield in heavy snow by placing a 4x8 sheet of 3/4" plywood on top of the Heatshield.

Do's and Don'ts

DO'S

1. Read this Owner's Guide thoroughly and follow the safety guidelines provided at the beginning.
2. Call your local dealership first if you have questions not covered in this Owner's Guide.
3. Follow water care instructions and guidelines. Failure to do so can result in damage or problems to the hot tub or the equipment.
4. Always leave your Heatshield open half way when shocking your water. If small children are present, monitor the hot tub during this time to prevent entry.
5. Test your GFCI circuit protector at least once

a month to ensure it is working correctly.

6. Rinse your Microfilter at least once a week if the hot tub is used daily.

DON'TS

1. Don't enter your hot tub if the sanitizer level is not adequate. This can cause respiratory and skin problems.
2. Don't walk on, sit on or put heavy weight on the Heatshield cover. This can cause the foam insert to break.
3. Don't leave the hot tub exposed to the sun if empty. Always cover the hot tub with your Heatshield.
4. Don't allow use of the hot tub by children without proper supervision.
5. Don't attempt to repair electrical problems. Consult your Beachcomber dealership.
6. Don't attempt to drain and refill your hot tub during freezing temperatures. The pump(s) wet ends can freeze up during draining.
7. Don't use glassware in or around your hot tub.
8. Don't ever mix hot tub water care products together.
9. Don't operate the hot tub with an inadequate water level.

Diagnostic Display Messages & Trouble Shooting Guide

MESSAGE	MEANING	ACTION REQUIRED
	No message on display. Power has been shut off to hot tub. GFCI breaker is on but the control panel is blank. System fuse(s) are blown.	The control panel will be disabled until power returns. System resets time of day on each power-up. Hot tub settings are preserved. Call your dealer for service.
OHH	"Overheat" - The hot tub has shut down. One of the sensors has detected 118°F or 47.8°C at the heater.	DO NOT ENTER THE WATER. Remove the Heatshield cover and allow water to cool. Once the heater has cooled, reset by pushing any button. Check to see if the knife valve on return side of the heater is closed, if closed ensure that all knife valves are in the up or open position. If hot tub does not reset, shut off power to the hot tub and call your Beachcomber dealership.
OHS	"Overheat" - The hot tub has shut down. One of the sensors has detected that the hot tub water is 110°F or 43.3°C.	DO NOT ENTER THE WATER. Remove the hot tub Heatshield and allow water to cool. At 107°F or 41.7°C. the hot tub should automatically reset. Follow action required for "OHH". If hot tub does not reset, shut off power to the hot tub and call your dealership.
ICE	"Ice" - Potential freeze condition detected.	No action required. The Pumps and blower will automatically activate regardless of hot tub status.

Diagnostic Display Messages & Trouble Shooting Guide, cont'd.

SNA	Hot tub is shut down. The sensor that is plugged into the sensor "A" jack is not working.	If the problem persists, contact your dealership. (May appear temporarily in an overheat situation and disappear when heater cools.)
SNB	Hot tub is shut down. The sensor that is plugged into the sensor "B" jack is not working.	If the problem persists, contact your dealer for service.
SNS	Sensors are out of balance. If this is alternating with the temperature, it may just be a temporary condition. If the display shows only this message (periodically blinking), The hot tub is shut down.	If problem persists, contact your dealership for service. Follow action required for "SnA".
HFL	A substantial difference between the temperature sensors was detected. This could indicate a flow problem.	Check water level in hot tub. Refill if necessary. If the water level is okay, make sure the pumps have been primed. If problem persists try these solutions: <i>Microfilter is dirty:</i> Put tub on Standby, remove Microfilter and clean or replace. <i>Air lock in system:</i> Locate air bleed thumb screws and open partially to release air in piping. <i>Debris in Hush Pump:</i> Call your dealer for service or shut down system, close all knife valves and remove face plate from hush pump to remove debris. <i>Circulation pump failed or frozen:</i> If freezing suspected, place trouble light or space heater around equipment to thaw out pump and external piping and call your dealer for service.
LF	Persistent low flow problems. (Display on the fifth occurrence of the "HFL" message within 24 hours.) Heater is shut down, but the other hot tub functions continue to operate normally.	Follow action required for the "HFL" message. Heating capacity of the hot tub will not reset automatically; you may press any button to reset.
DR	Inadequate water detected in heater.	Check water level in hot tub. Refill if necessary. If the water level is okay, make sure the pumps have been primed. Press any button to reset.
PR	When your hot tub is first actuated, it will go into priming mode.	The Priming Mode will last up to 4 minutes and then the hot tub will begin to heat and maintain water temperature in Standard Mode.
--F / --C	Temperature unknown.	After the pump has been running for 2 minutes, the temperature will be displayed.
SBY	Standby Mode has been activated by pressing a button combination on the user panel.	Press any button to leave Standby Mode and return to normal operation.
STD/ STANDARD	The hot tub is operating in Standard Mode.	No action required. Refer to Heating modes page to change this mode.
ECN/ ECONOMY	The hot tub is operating in Economy mode.	No action required. Refer to Heating modes page to change this mode.
SE/ STANDARD- ECONOMY	The hot tub is operating in Standard-Economy mode.	No action required. Refer to Heating modes page to change this mode.
SLP/ SLEEP	Sleep mode has been activated by pressing a button combination on the user panel.	No action required. Refer to Heating modes page to change this mode.

Hot Tub Operation Troubleshooting Guide

PROBLEM SYMPTOM	MOST LIKELY CAUSE	SOLUTION
G.F.C.I. breaker will not stay on or trips intermittently	If hot tub is new; the load neutral wire has been inserted on the neutral buss in the panel. Load neutral wire should be inserted into the G.F.C.I. load neutral connection.	Call your Electrician to change location of the load neutral wire.
	Heater element is defective and leaking current to ground.	Call your dealer for service to replace the heater element.
	G.F.C.I. is worn out or defective. Class A, G.F.C.I. breakers should not trip below 5 milliamps of current leakage.	Call your electrician to replace your G.F.C.I.
Jet pump is surging on high speed	Water level is too low on hot tubs that use a jet pump for filtering	Raise water level in hot tub to at least ½ way up the skimmer opening.
	Plug in center of Microfilter basket is not in place on non Hush Pump equipped hot tub.	Install plug in basket, insert from top of basket
	RFM jet nozzles are pointed toward small suction fitting in foot well	Redirect nozzles away from the small suction fitting. Turn off all air control for RFM jets.
Neck jet does not shut off.	Internal portion of two piece neck jet has been unscrewed by turning too far to the left.	Carefully pry the faceplate off with a flat head screw driver and then thread internal back in. Then pop face plate back on and tighten internal by turning face plate clockwise.
ACSS Remote control is not operating the jets and light functions from in the hot tub but will operate from out of the hot tub.	CD player console door is open.	Close CD player console door.
	Emitter on door window has come off.	Re-glue emitter to door glass with super glue. Line up between receiver eye on CD player face and hot tub function receiver eye below. See CD player Guide for receiver eye location.
ACSS remote control is not operating CD player functions from in the hot tub but will operate from out of the hot tub.	CD player console door is open.	Close CD player console door.
	Emitter on door window has come off.	Re-glue emitter to door glass with super glue. Line up between receiver eye on CD player face and hot tub function receiver eye below. See CD player Guide for receiver eye location
Remote control does not work hot tub or CD Player functions pointing at CD player	Batteries need replacing. Remote control is defective.	Replace batteries or see your Beachcomber dealership.

Hot Tub Care Details Chart

MODEL	WATER CAPACITY	DRY WEIGHT	FILLED WEIGHT
750	398 gallons 1507 litres	800 lbs 363 kg	4123 lbs 1870 kg
740	398 gallons 1507 litres	800 lbs 363 kg	4123 lbs 1870 kg
738	398 gallons 1507 litres	800 lbs 363 kg	4123 lbs 1870 kg
720X	350 gallons 1325 litres	675 lbs 307 kg	3596 lbs 1632 kg
720	350 gallons 1325 litres	675 lbs 307 kg	3596 lbs 1632 kg
580	400 gallons 1515 litres	725 lbs 329 kg	4065 lbs 1844 kg
578	360 gallons 1363 litres	650 lbs 295 kg	3655 lbs 1658 kg
550X	360 gallons 1363 litres	650 lbs 295 kg	3655 lbs 1658 kg
538	264 gallons 1000 litres	600 lbs 273 kg	2805 lbs 1273 kg
530	264 gallons 1000 litres	600 lbs 273 kg	2805 lbs 1273 kg
520	185 gallons 701 litres	425 lbs 193 kg	1971 lbs 894 kg
350	360 gallons 1363 litres	650 lbs 295 kg	3655 lbs 1658 kg
320X	240 gallons 908 litres	475 lbs 215 kg	2422 lbs 1098 kg
320	220 gallons 833 litres	425 lbs 193 kg	2262 lbs 1026 kg
160	360 gallons 1363 litres	650 lbs 295 kg	3655 lbs 1658 kg

Measurements quoted here are in US gallons.

North America Customer Care

1-800-663-6557

“From my family to yours, thank you
for your trust and confidence in
Beachcomber Hot Tubs.”



My Commitment to Your Family

A Beachcomber Hot Tub is an investment in you and your family. We understand what that means— for over a quarter century, our extended family of dealerships around the world have been helping people just like you to make a solid, informed decision about buying a hot tub. We have always believed in giving the information and education needed to make that important decision. We know that the sale really begins after you have your Beachcomber in your home.

Our desire for you is to have the best experience possible with your new Beachcomber Hot Tub, that's why our dealerships are equipped to help you with any additional needs you may have.

From our family to yours, thank you for putting your trust in us and our products. We are pleased that you have chosen Beachcomber, and hope you tell your friends and relatives.

Yours truly,

Keith Scott

Keith Scott
Founder



beachcomber
HOT TUBS

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