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MSpa®
Owner's Manual

P-MB049/069	**Mont Blanc**	**P-CA049/069**	**Camaro**
P-SH069	**Soho**	**P-EX049/069**	**Exotic**

EN

DO NOT RETURN MERCHANDISE TO YOUR DEALER STORE DIRECTLY. CALL MSPA AFTER SALES SERVICE CENTER FOR ANY PRODUCT-RELATED QUESTIONS OR CONTACT MSPA AT info@the-mspa.com

Due to MSpa continuous product improvement, MSpa reserves the right to change the product appearance and specifications, which may result in updates to the instruction manual without notice.

CE

ENTER THE WORLD OF MSPA

Welcome,

Thank you for choosing MSpa and for your confidence in our brand. We believe that you will enjoy many benefits of using MSpa products for years to come.
To guide you in your initial MSpa experience, we are pleased to present you with this instruction manual. Please read this manual carefully before using the product for the first time.
We are delighted to welcome you to the MSpa family, and we are looking forward to sharing with you the full spectrum of our expertise.
Enjoy your MSpa!

MSpa official site

MSpa Set up videos

CONTENT

Safety precautions…… 3
Specifications and product overview…… 9
First use preparation and set-up…… 11
Spa set-up…… 13
Wired controller operation…… 17
Water maintenance and chemicals…… 19
Drainage, cleaning and storage…… 21
Disposal and environmental protection…… 22
Troubleshooting…… 23
MSpa limited warranty policy …… 25

SAFETY PRECAUTIONS

For your own safety and that of your product, make sure to follow the safety precautions below. Failure to follow the instruction may result in serious injury, property damage, or death. Improper installation or operation will void the warranty.

READ, UNDERSTAND AND FOLLOW ALL INSTRUCTIONS
KEEP THE MANUAL FOR FUTURE REFERENCE

⚠ DANGER

- Risk of Accidental Drowning. Extreme caution must be exercised to prevent unauthorized access by children.
- Risk of drowning. Inspect the spa cover regularly for leak, premature wear, and tear, damage or signs of deterioration. Never use a worn or damaged cover as it will not provide the level of protection required to prevent unsupervised access to the spa by a child.
- Risk of drowning. Always lock the spa cover after each use.
- Risk of injury. If the supply cord is damaged, it must be replaced by the manufacturer, service agent or similarly qualified persons to avoid a hazard.
- Risk of Electric Shock. Do not permit any electrical appliances, such as a light, telephone, radio or television within 1.5m (5 feet) of a spa tub.
- Risk of Electric Shock. Do not use the spa when it is raining, thundering, or lightning.

⚠ WARNING

- To reduce the risk of electric shock, do not use an extension cord, timers, plug adaptors or conversion plugs to connect the unit to electric supply. Provide a properly located outlet.
- The appliance with incorporated heating elements must be connected to a grounded mains supply socket and a supply cord fitted with a plug and PRCD equipped with a tripping current of 10mA.

- Transportable whirlpool spas with earthing must only be plugged directly into an earthed socket-outlet of the fixed wiring.
- Components containing moving parts, except parts supplied with safety extra-low voltage not exceeding 12V, must be inaccessible to occupants in the spa.
- Parts incorporating electrical components, except remote control devices, must be located or fixed, so that they cannot fall into the spa.
- Electric installation should fulfill the local requirement or standards.
- The wired controller shall be properly stored at the side pocket when not used, to protect the controller from falling or from other factors.
- This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children shall not play with the appliance. Cleaning and user maintenance shall not be performed by children without supervision.
- To reduce the risk or injury, keep children away from this product unless they are closely supervised at all times.
- To reduce the risk of child drowning, supervise children all times. Attach and lock the spa cover after each use.
- Make sure the floor is capable of supporting the expected load, which you can find from the spec sheet. Calculate the expected load of water capacity plus the total weight.
- Adequate draining system must be provided around the spa to deal with overflowing water.
- To reduce the risk of injury:

  a) Lower water temperatures are recommended for young children and when spa is used for more than 10 minutes. In order to avoid the possibility of hyperthermia (heat stress) occurring it is recommended that the average temperature of spa-pool water should not exceed 40°C (104°F).

  b) Since excessive water temperature has a high potential for causing fetal damage during the early months of pregnancy, pregnant or possibly pregnant women should limit spa water temperature to 38°C (100°F).

  c) Before entering a spa or hot tub the user should measure the water temperature with an accurate thermometer since the tolerance of water

temperature-regulating devices varies.

d) The use of alcohol, drugs, or medications before or during spa use may lead to unconsciousness with the possibility of drowning.

e) The use of alcohol, drugs, or medications can greatly increase the risk of fatal hyperthermia in spas.

f) The causes and symptoms of hyperthermia may be described as follows: Hyperthermia occurs when the internal temperature of body reaches a level several degrees above the normal body temperature 37°C (98.6°F). The symptoms of hyperthermia include an increase in the internal temperature of body, dizziness, lethargy, drowsiness, and fainting. The effect of hyperemia includes failure to perceive heat; failure to recognize the need to exit spa; unawareness of impending hazard; fetal damage in pregnant women; physical inability to exit the spa; and unconsciousness resulting in the danger of drowning.

g) Obese persons or persons with a history of heart disease, low or high blood pressure, circulatory system problem, or diabetes should consult a physician before using a spa.

h) Persons using medications should consult a physician before using a spa since some medications may induce drowsiness while other medication may affect heart rate, blood pressure, and circulation.

i) Check with doctor before use if pregnant, diabetic, in poor health, or under medical care.

- People with infectious disease should not use a spa or a hot tub.
- To avoid injury exercise care when entering or existing the spa the or hot tub.
- Water temperature in excess of 40°C (104°F) may be injurious to your health.
- Never use a spa or hot tub alone or allow others to use the spa alone.
- Do not use a spa or hot tub immediately following a strenuous exercise.
- Spa heat in conjunction with alcohol, drugs, or medication can cause unconsciousness.
- Exit immediately if uncomfortable, dizzy or sleepy. Spa heat can cause hyperthermia and unconsciousness. Do not put the spa under 0°C (32°F) environment in order to avoid freezing if there is still water in the pool. It is helpful to put a temp barrier mat in between the spa pool and the ground. Similar mat, which is made of foam material, or other materials with heat barrier function can also be used. Do not turn on the spa when the water is frozen.

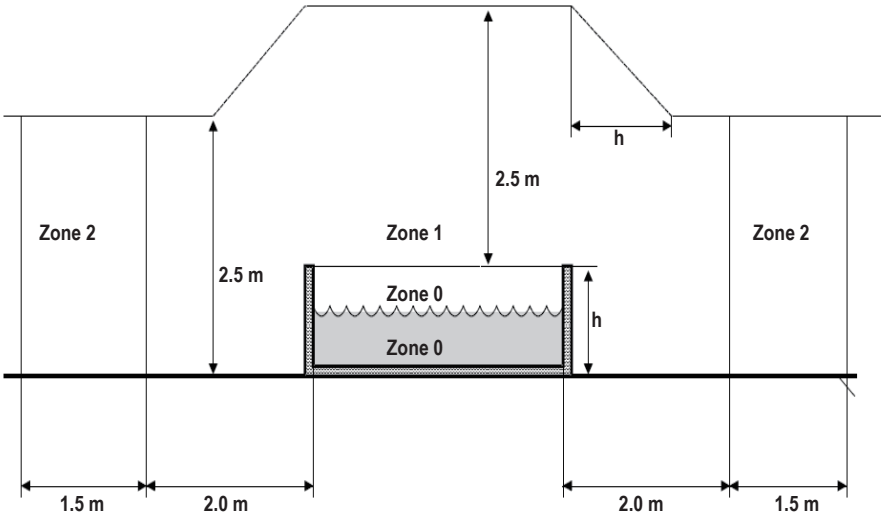
- Never pour water with a temperature higher than 40°C (104°F) directly into the spa.
- Always unplug this product from the electrical outlet before removing, cleaning, servicing, or making any adjustment to the product.
- Never jump or dive into a spa or any shallow body of water.
- No part of the electric appliance is to be located above the bath during use.
- Do not bury the electrical cord. Locate the cord where it will not be damaged by lawn mowers, hedge trimmers, and other equipment.
- Do not attempt to plug in or unplug this product while standing in water or when your hands are wet.
- Do not use the spa if damaged during the delivery and/or malfunctioning in any way. Contact MSpa service center for further direction.
- Keep all pets away from the spa to avoid any damage.
- Do not add bath oil or bath salts to the spa water.

⚠ CAUTION

- Always add chemicals to water, never add water to chemicals. Adding water to chemicals may cause strong fumes or violent reactions and hazardous chemical spray.
- For water already used, discharge it in time or use water chemicals for cleaning. Usually, it is recommended to drain and refill the spa with clean water every 3-5 days.
- Use Mspa chemical kit for disinfection in accordance with manufacturer's instructions.
- Do not leave or set up the spa in temperature lower than 4°C (39°F) if heater is not operating.
- Always enter and exit the spa or hot tub slowly and cautiously. Caution of wet floor.
- To avoid damage to the pump, never turn on the spa or hot tubs unless it is filled with water to the minimum water line.
- Place the spa or the hot tub only on a properly prepared site that can withstand the floor loading requirement of the spa.

- Do not leave the spa empty for extended period of time. Drain water inside the pool thoroughly if it is not used for a long period of time. Do not expose the spa to direct sunshine. Check regularly before each use. Put away the spa or fence it up in time after using.
- Open the spa top lid when the Bubble function is on.
- In order to avoid a hazard due to inadvertent resetting of the thermal cut-out, this appliance must not be supplied through an external switching device, such as a timer, or connected to a circuit that is regularly switched on and off by the utility.
- Refer to relevant chapter for details concerning cleaning and other maintenance.

Warning: The water protection levels of appliance at different product zones are different. See the following diagram. **(Installation regulations comply to IEC 60364-7-702)**



NOTE-The measured zone dimensions are limited by walls and fixed partitions.

Zones	Description of the zones
Zone 0	Zone 0 is the interion of the basin including any recesses in their walls or floors.
Zone 1	Zone 1 is limited by • Zone 0 • A vertical plane 2m from the rim of the basin. • The floor or the surface expected to be occupied by persons • The horizontal plane 2.5m above the floor or the surface
Zone 2	Zone 2 is limited by • A vertical plane external to zone 1 and parallel plane 1.5m from the former. • By the floor or surface intended to be occupied by persons.

SPECIFICATIONS

BUBBLE SPA							
Model No. / Code	**Shape**	**Seating Capacity**	**Water Capacity**	**Outside Dimensions**	**Inside Dimensions**	**Height**	**Weight**
P-MB049 / MONT BLANC	Round	4	700Ltr (184gal)	1.80m (71")	1.40m (55")	0.70m (28")	31kg (68.3lbs)
P-MB069 / MONT BLANC	Round	6	930Ltr (245gal)	2.04m (80")	1.60m (63")	0.70m (28")	34.5kg (76.1lbs)
P-SH069 / SOHO	Square	6	930Ltr (245gal)	1.85m (73")	1.45m (57")	0.68m (27")	35.5kg (78.3lbs)
P-CA049 / CAMARO	Round	4	700Ltr (184gal)	1.80m (71")	1.40m (55")	0.70m (28")	31.5kg (69.4lbs)
P-CA069 / CAMARO	Round	6	930Ltr (245gal)	2.04m (80")	1.60m (63")	0.70m (28")	35kg (77.2lbs)
P-EX049 / EXOTIC	Round	4	700Ltr (184gal)	1.80m (71")	1.40m (55")	0.70m (28")	34.5kg (76.1lbs)
P-EX069 / EXOTIC	Round	6	930Ltr (245gal)	2.04m (80")	1.60m (63")	0.70m (28")	39kg (86.0lbs)

Control System Specs	**P-MB049 / MB069 / SH069 / CA049 / CA069 / EX049 / EX069**
Control System	AC 220-240V~ 50Hz
Total Power	2300W
Heater	1500W
Massage Air Blower	3 Levels (Level 1: 300W, Level 2: 500W, Level 3: 720W)
Filter Pump	12V/60W
Integrated Ozone Generator	5.5W, 30-50mg/Hr
Top Lid	Premium PVC leather cover with foil inside
Pool Cover	Premium PVC tough leather, waterproof and anti-UV
Pool Material	Premium PVC fabric

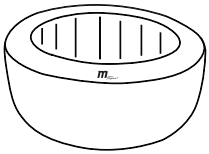
PRODUCT OVERVIEW

Content of the package

A.



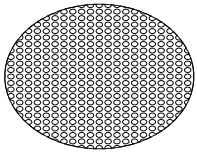
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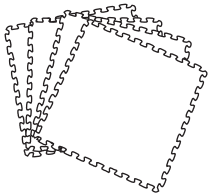
C.



D.



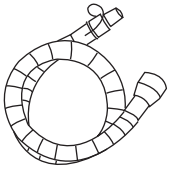
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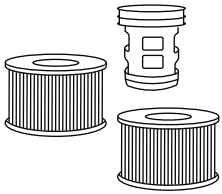
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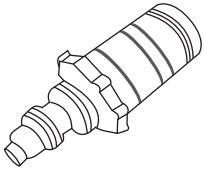
G.



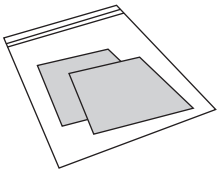
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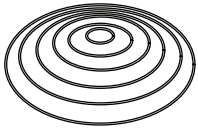
I.



J.



K.



* Round or square

L.

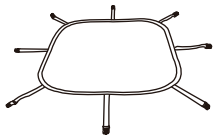


M.

Only for P-SH069



* Buckle spa cover



* Ground mat

NOTE: *Drawings for illustration purpose only. The actual product may vary. Not to scale.*

REF. NO.	PARTS DESCRIPTION	QTY.
A	Spa cover with aluminum foil inside (Soho P-SH069 comes with a ground mat with the cover)	1
B	Spa tub	1
C	Wired controller	1
D	Heat preservation bubble mat (For P-MB049/069 / P-CA049/069)	1
E	Heat preservation foam mat (For P-EX049/069)	1
F	Digital lock (except for Soho P-SH069)	1
G	Inflation hose for bladder	1
H	Filter cartridge*2, cartridge base	1
I	Spa drain valve adaptor	1
J	Repair kit	1
K	Inflatable bladder	1
L	Wrench	1
M	Buckle spa cover and ground mat set (only for P-SH069)	1

NOTE: *When ordering parts, be sure to quote the model number and description.*

FIRST USE PREPARATION AND SET-UP

Site preparation and requirements

- The spa can be installed indoors and outdoors. For household use only.
- The spa must be set up on a flat, smooth, and firm surface that is capable of supporting the maximum load of the filled spa with the listed number of maximum occupants.
- Make sure the area is free of sharp objects under or around the spa. Uneven or unsound surfaces can damage the spa and void your warranty. Level the surface before filling the spa with water.
- Provide adequate drainage system around the spa to deal with overflowing water and splashes.
- Make sure there is enough clearance around the spa for full access to the spa equipment for maintenance and/or service.

Additional requirements for indoor installation

- Verify the floor can support the filled weight of spa with the maximum number of occupants. Check with a qualified contractor or structural engineer to verify the requirement.
- Make sure the floor is water resistant and provides a non-slip surface. Do not install the spa on a carpet of any other material that could be damaged by the moisture.
- Humidity is a naturally side effect of indoor spa installation. The room shall be properly ventilated to allow moisture to escape. Install a ventilating system to prevent excess condensation moisture in the room.

Additional requirements for outdoor installation

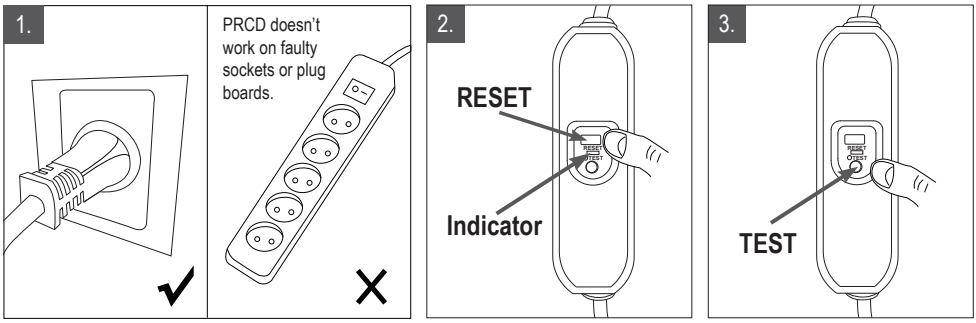
- Make sure to set up the spa on a firm, level, and smooth surface that is strong enough to support the full weight of the filled spa and the number of maximum occupants.
- Do not set up the spa on grass or directly on the ground, as this increases the amount of debris entering the spa and can damage the spa floor.
- Do not leave the spa tub exposed to direct sun light for long timespan.
- Always keep the manometer on yellow section when using the spa at a temperature higher than 20°C (68°F) or exposed to sunlight for a short time.
- Do not install or use the spa outdoor at a temperature lower than 4°C (39°F). Do not use the spa when the water inside the circulation system, the pump, and the pipes is frozen. Put a Heat Preservation Mat in between the spa bottom and the ground to prevent heat loss from the bottom of the spa and to provide better heat retention.

PRCD Testing

⚠ WARNING

Risk of electric shock: This product is provided with a PRCD located at the end of the power cord. The PRCD must be tested before each use. Do not use the spa if the PRCD does not function properly. Disconnect the power cord until the fault has been identified and corrected. Contact a licensed electrician to correct the fault. There are no serviceable parts inside the PRCD. Opening the PRCD will void the warranty.

1. Plug the machine into the mains.
2. Press the **RESET** button on the PRCD. The indicator turns red.
3. Press the **TEST** button on the PRCD. The red color shown on the indicator should disappear. Otherwise the PRCD is faulty. Do not use the spa if the spa is faulty. Contact a qualified electrician to correct the fault.
4. Press the **RESET** button on the PRCD again. The indicator should turn red. If yes, the spa is ready for use.

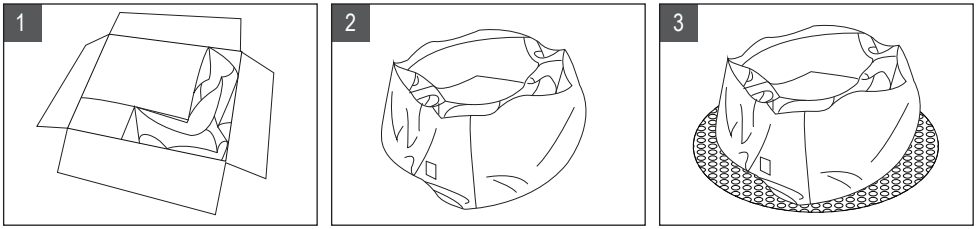


Spa Control Unit Connected to External Equipotential Bonding Conductors

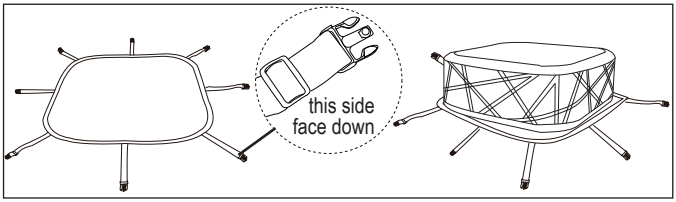
A qualified electrician shall wire the spa control unit to the household equipotential terminal using a minimum 1.5mm² solid copper conductor.

SPA SET-UP

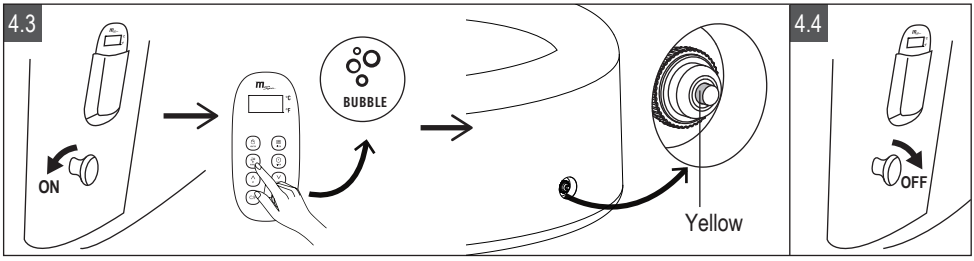
1. Move the entire package to the selected site. Open the carton carefully as it can be used to store the spa during long term storage or when not in use.
2. Lay out all the parts on the ground and make sure all parts are accounted for. Make sure the spa tub is right side up. (*For missing or damaged part, contact the MSpa Service Center)
3. Spread the Heat Preservation Ground Mat over a cleared area. Spread out the spa liner over the ground mat. The heat Preservation Mat prevents heat loss from the bottom of the unit.



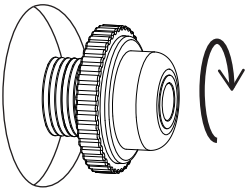
- **NOTE:**
  SOHO P-SH069: Spread out the square ground mat and place it to the selected site. Make sure the buckle of cover and mat is attached when the spa is not in use.

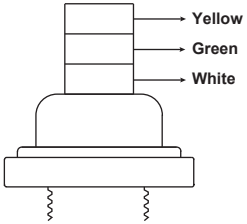


4. **Spa Inflation**
   - 4.1 Plug the spa into the grounded supply socket.
   - 4.2 Press the RESET button on the PRCD, the screen on controller shows numbers.
   - 4.3 Turn the inflation knob to the inflation status <ON> and long press (≥2 minutes) the bubble button on the controller to start inflating until the **yellow** section of the manometer is pushed out.
   - 4.4 Stop pressing the bubble button and turn the knob back to <OFF> for activating other functions.









Note:

Before inflation, check whether the manometer cap is screwed up tight on the valve of pool body. If not, please tighten and then inflate. After inflation, the manometer cannot be removed, otherwise the air will be released.

When the **Yellow** section is pushed out, the Spa inflation is completed. You can fill the Spa with water.

After water filling is completed, check the air pressure once again to ensure the manometer reaches its **Green** section. Always ensure the manometer is in the **Green** section during use.

If the **White** section of the manometer appears, the spa is over inflated. Rotate the valve cap counter clockwise, have the air released till the **Green** section is pushed out, then tighten it clockwise.

To avoid over inflation caused by warm weather or sunshine when leaving spa for weeks inflated and filled with water in temperature higher than 20°C (68°F), please release some air to make sure the manometer is always on in the **Yellow** section.

5. **Spa Bladder Inflation.**

5.1 Open the air valve (a) on the bladder. Insert the inflation hose (b) into the valve. Open the air valve (C) on the spa pool. Make sure you choose the correct one in black color.

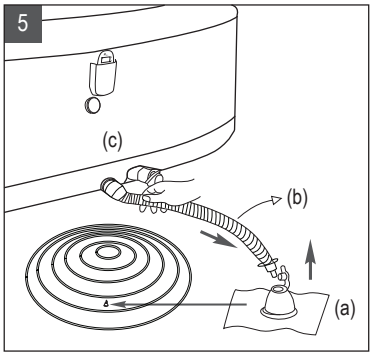
5.2 Press the Bubble 

button to inflate until the bladder is firm to touch but not hard.

5.3 Press Bubble 

button for more than 3 seconds to turn off the function. Disconnect the inflation hose from the air blower outlet and the valve.

5.4 Replace the air valve cap (c) back. Close and recess the inflation valve (a).



NOTE: Deflation Instruction

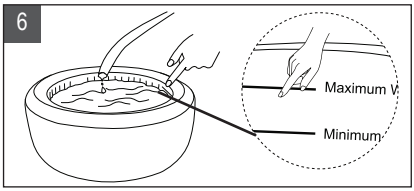
Spa Deflation

1. Unscrew the air valve cap on the spa pool to deflate the spa.
2. Once the deflation is completed, place the cap back.

Spa Bladder Deflation

1. Pull the valve cap out and squeeze the valve at its base until deflated.
2. Close and recess the valve back.

6. **Water Filling**



6.1 Check the spa mark is at the selected area and point the drain valve toward a suitable draining area before inflation.

6.2 Fill the spa tub with fresh water to a level between **Minimum** and **Maximum** line marked on the inside of the spa wall. Do not over fill the spa. It is recommended to fill the spa with lukewarm water for quick heating and energy saving.

WARNING:

- **The water level must reach the Minimum water line but not exceed the Maximum line to avoid pump failure.**
- **Never pour water with a temperature higher than 40°C (104°F) directly into the spa.**
- **To avoid control system failure, do not operate the spa until water reaches the Minimum line.**

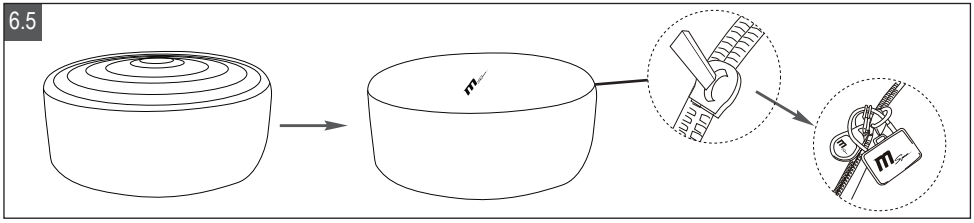
6.3 After water filling, double check the spa pool air pressure to make sure the manometer points out to the Green section.

6.4 Install the filter cartridge. Please refer to the instruction on P20

6.5 Place the inflated air bladder and the zipper spa cover over the spa tub. Make sure the spa cover is zipped and locked by the digital lock in the accessory pack.

IMPORTANT:

- Inspect the spa pressure regularly for leak, premature wear, or deterioration.
- Check and wax the zipper regularly, to make it smooth for operation and to avoid splits.



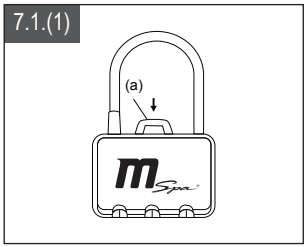
6.6 Turn on the Heater on the spa wired controller, refer to the “Wired Controller Operation” section. Maximum heating temperature is 40°C (104°F). Hourly heating rate is about 1.5°C-2°C (2.5°F-3.5°F) for 4 persons and 1.2°C-1.8°C (2°F-3°F) for 6 persons.

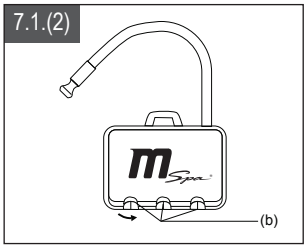
7. **Zipper and Buckle Operation**

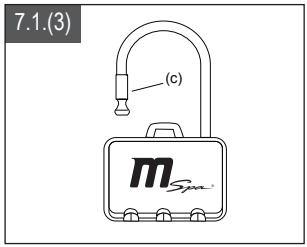
7.1 Digital Lock Operation

The default password is **“000”**. Follow the steps below to change the password:

- Push the button (a) in the direction of Fig.7.1.(1) to unlock the digital lock.
- Set your preferred password in 3 digits by turning the number wheel (b), see Fig.7.1.(2).
- Insert back the cable (c). The new password is set.







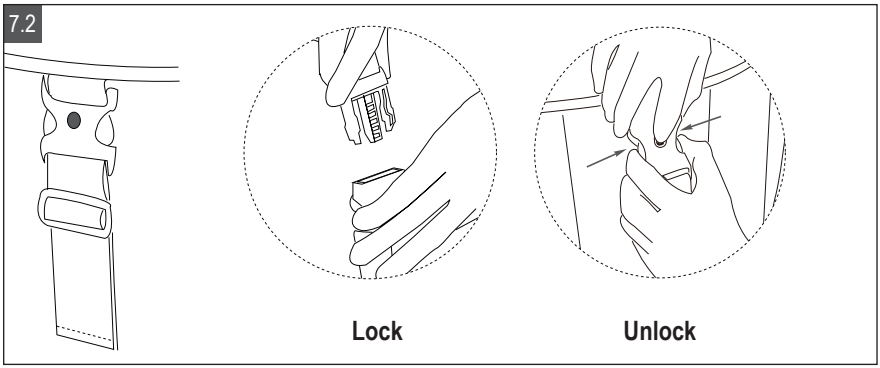
7.2 Square Spa Buckle Lock Operation

Lock the Buckle

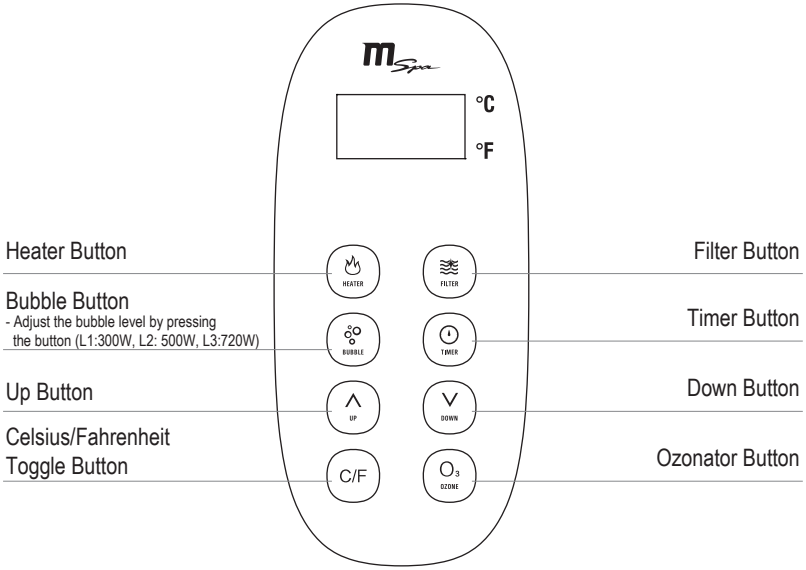
- Insert the buckle on the Ground Mat into the Spa cover buckle, until you hear a “Click” sound.

Unlock the Buckle

- Pinch both sides of the locked buckle, and press down the round dot in center in the same time. Press down the center button and release the lock.



WIRED CONTROLLER OPERATION



Temperature display: press RESET on PRCD, read the current temperature on the screen.

Heater Button: Press HEATER button to start or stop heating.

The filter will automatically be running for 15 seconds to test the working condition once the HEATER function is started. If there is no abnormality, the heater will keep working until the water temperature reaches the set value. When the water temp goes below the set temp, the heater will restart to heat the water automatically. The HEATER button displaying red means that the heating system is activated. The HEATER button displaying green means that the system is at rest and keeping the water at the set temp.

Filter Button: Press FILTER button to turn the function on/off. The light of FILTER button displays green when activated.

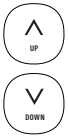
NOTE: Filtration cannot be turned off when heating function is on (Whether the heater is running or at rest) . When the Heating function is turned off, filtration will be stopped after 30 seconds. Filtration function can then be activated separately.

NOTE: The auto-filtration system is automatically activated every 4 hours.

Bubble Button: Can adjust among 3 levels of bubbling power. The default bubbling massage power is at level 2 (500W). Press the BUBBLE button again, switching to level 3 (720W). Press again to enable level 1 (300W). To shut down the function, press the BUBBLE button for 3 seconds.

NOTE: The bubbling massage function will be shut down automatically after every 20 minutes operation for safety concern. It cannot be operated within 10 minutes after shutting down.

Attention: The bubble function can only be activated when the inflation knob is in <OFF> position.



Adjustment Buttons: Press UP or DOWN button, the screen flashes setting temperature. Re-set the temperature within 3 seconds. Otherwise the temperature setting mode will end automatically. If the other button is pressed during the setting , the setting will also stop. The current temperature shown on the screen is confirmed.

NOTE: Default setting temperature is 38°C; Temperature setting range: 20 - 40°C.

Controller Locking: Press UP and DOWN button at the same time for 3 seconds, the buzzer will ring 3 times, meaning that the controller is locked. In this mode, the function will not be turned on if the button is pressed. Press UP and DOWN button at the same time again for 3 seconds to unlock the controller.



Timer Button: Press the TIMER button to enter the intelligent pre-setting mode. By pressing UP and DOWN button, you can set and start heating automatically with in up to 99 hours. The TIMER setting is confirmed if no further operation in more than 3 seconds or press TIMER button again. The heater will start working after current setting hours. The setting hour can also be changed by entering the pre-setting mode again. The light of TIMER button flashes **green** when activated.

Cancel: Press the TIMER button for 3 seconds to cancel the pre-setting.

NOTE: The pre-setting function cannot be turned on during heating process. The pre-setting mode will also end once the heating function is on or after the spa is reboot.



Celsius/Fahrenheit Toggle Button: The temperature can be displayed in either Celsius or Fahrenheit.



Ozonator Button: Activate the Ozone. The Ozone icon shows green when the Ozone function is activated. For bathers' safety concern, the ozonator cannot be operated at the same time when the Bubbling or Jet function is on. The Ozonator will be off automatically after operating for 2 hours. The ozone output is 30-50mg/Hr.

NOTE: Please do not soak in the spa when the Ozone is on. The Ozonator will not work when the spa has no water or when the Bubble Button is on. The filtration cannot be turned off when Ozonator is in use.



Filter Cartridge Cleaning Reminder: When the red light keeps flashing (Filter function is OFF) or red and green lights are alternately flashing(Filter function is ON), the filter cartridge shall be cleaned or replaced. After that, press Filter button for 3 seconds to clear the reminder.

IMPORTANT: The following conditions will lead to slow water heating

- The ambient temperature is lower than 10°C(50°F)
- Outdoor wind speed is above 3.5-5.4m/s(8-12mph)
- The air bubble function is activated when heater is on
- The spa is not properly covered with the spa cover when the heater is on

	FREQUENCY	ACTION
Filter Cartridge	Cumulative use up to 150hrs, or cleaning reminder is activated	Clean the filter cartridge or replace it with a new one.The filter cartridge may need to be replaced within 150hrs for initial use.
SPA	Not in used for 2~3 days or longer	Use an overall cover for protection
	Check water quality in time and adjust to recommended range	Use water treatment products to adjust

WATER MAINTENANCE AND CHEMICALS

Water Sanitation

The spa owner must regularly check and keep the spa water sanitized with scheduled maintenance (daily, if necessary). Adding sanitizer or other chemical will control bacteria and viruses reproduction in the spa water. The maintenance of a proper water balance through appropriate use of sanitizers is the most important factor in maximizing the life and appearance of the spa as well as ensuring clean, healthy and safe water.
Proper technique is important for water testing and treating the spa water. See your spa professional for chemical, sanitizer, test kit and testing procedures questions.

Water Balance

Follow below instructions to maintain the spa water.

PARAMETER	TEST FREQUENCY	CORRECT LEVEL
pH	Daily	7.2-7.6 when using Chlorine; 7.2-7.8 when using Bromine
Free Chlorine	Daily	3-5 ppm
Bromine residual	Daily	2-4 ppm
Total Alkalinity (TA)	Weekly	80-120 ppm
Total Hardness (TH)	Weekly	200-500 ppm

NOTE:

- Low pH will damage the spa tub and pump. Damage resulting from the chemical imbalance will void the warranty.
- High pH (hard water) will result in white coagulations inside the filter pump; which may lead to pump damage.

Water Treatment:

- Always follow the chemical manufacturer's direction, and the health and hazard warning.
- Never mix chemicals together. Add the chemicals to the spa water separately. Thoroughly dissolve each chemical before adding one to the water.
- Please note that chlorine and bromine products should never be mixed. This is extremely dangerous. If you usually use chlorine-based products and you want to switch to bromine-based products, or vice versa, it is

mandatory to completely change the spa water before any product changes.

- Do not add chemicals if the spa is occupied. This can cause skin or eye irritation.
- Do not over use the chemicals, or use concentrated Chlorine. This can damage the spa tub and cause potential hazard to your skin. Improper chemical use will void the warranty.

Maintenance of Spa Water and Cartridge

Protect all the spa occupants from possible water related illness by keeping the spa water clean and sanitized. Always practice good hygiene. Ensure proper spa water quality by following these procedures:

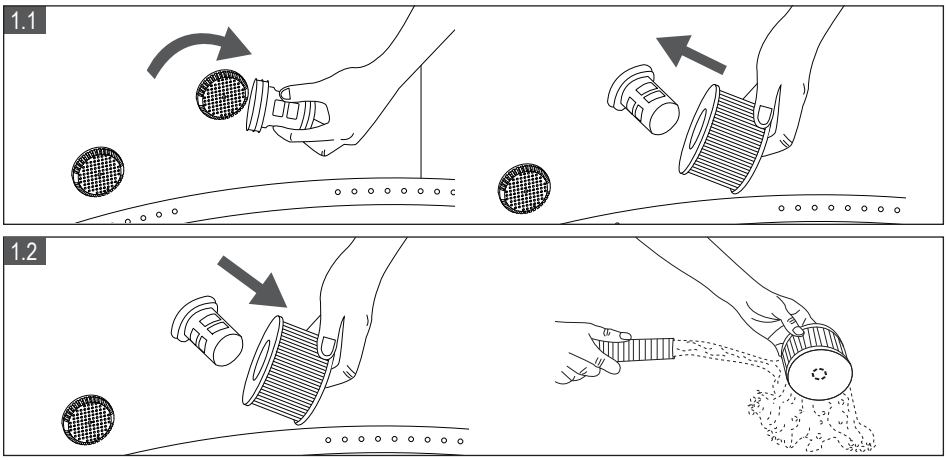
1.1 Install clean filter cartridge to water inlet.

- First install the cartridge base to the inlet by rotating it clockwise. Then install the filter cartridge to the base. Push and fix it. It should always stay in place when the spa is filled with water.

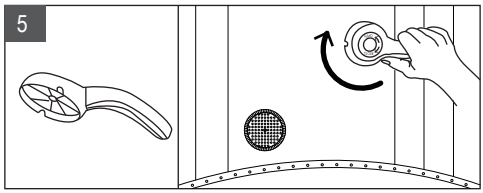
1.2 Inspect and clean the filter cartridge after each use. Change the filter cartridge after it works continuously for 150 hours, or after seeing cleaning reminder.

- Pull out the filter cartridge from the base.
- Use a garden hose to rinse off the cartridge.
- Reinstall the clean or spare cartridge back onto the spa tub wall.

Note: Do not throw away the cartridge base when replacing the filter cartridge. Only change the base when it gets loose after long term using.



2. Change the spa water every 3-5 days depends on the spa use. See “Cleaning, draining and storage” section for instruction.
3. Use spa chemicals to maintain proper water conditions. Spa damage resulting from misuse of chemicals and mismanagement of spa water is not covered by the warranty. Consult with your local spa or pool retailer for more information on chemical use.
4. All occupants must shower before entering the spa. Do not use skin care or sunscreen products while using the spa.
5. When spa inlet or outlet is stuck with dirt, use the wrench to unscrew it and clean the inlet or outlet.

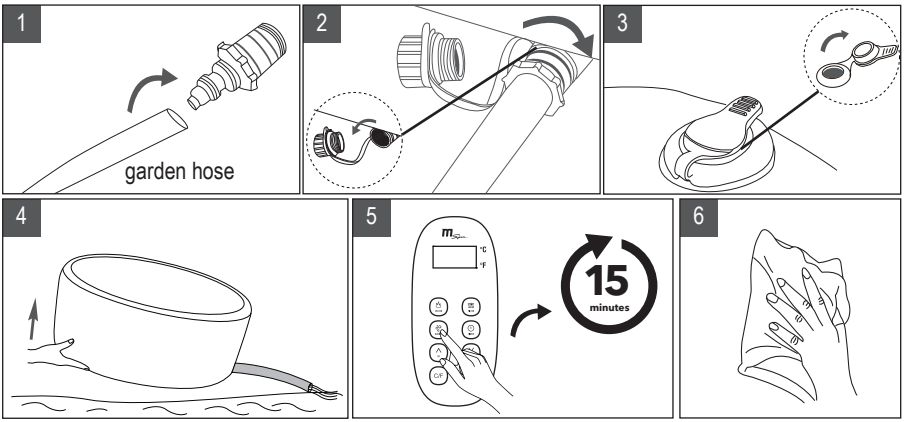


DRAINAGE, CLEANING AND STORAGE

Spa Drainage

1. Turn off all the buttons (heater, filter and bubble) on the wired controller.
2. Connect the drain valve adapter to a garden hose and point the other end of the garden hose to a suitable draining area with local environmental regulations (Fig.1)
3. Remove the drain valve cap from the outside of the spa tub and attach the drain valve adapter with the garden hose to the drain valve (Fig.2)
4. From the inside of the spa tub, open the drain valve cap, water will start flowing out through the garden hose (Fig.3)
5. When the water stops draining, lift the spa tub wall from the opposite to the drain, leading any remaining water to the drain and empty the spa water completely. (Fig.4)
6. Press 

Bubble button to dry out any water in the piping system. Operate the bubbling function for 15 minutes to blow out all the remaining water. (Fig.5)
7. When the water stops draining, use a clean towel to wipe up any remaining water and moisture on the spa tub and spa control panel. (Fig.6)



Spa Tub Cleaning

If dirt is visible in the water or the water becomes cloudy and proper water chemistry does not clear it up, change the water and clean the spa tub.

While spa water is empty, remove the cartridge from the inside of the spa tub wall, clean and /or replace the filter cartridge. Use a sponge and mild soap solution to wipe away any soil or stains on the inside of the spa wall. Rinse thoroughly before refilling with clean water.

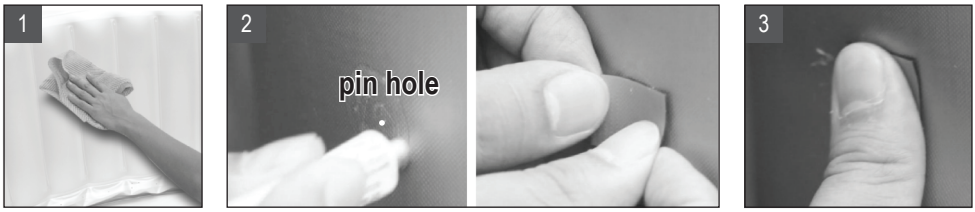
IMPROTANT: Do not use steel wool, hard brushes or abrasive cleaners.

Spa Tub and Air Bladder Repair

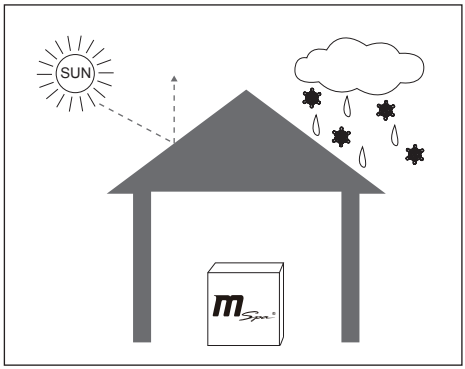
Use the enclosed repair patch to repair any puncture:

1. Clean and dry the area to be repaired thoroughly
2. Apply the glue to the PVC patch and quickly attach it onto the damaged surface. (Glue is not included)
3. Smooth the surface to remove any air bubbles and allow it dry for 5-10 minutes

   NOTE: Glue is not included.



Storage and Prepare for the Next Time Use



1. Drain and clean the spa by following the “Drainage” and the “Spa Cleaning” sections.
2. Reserve the set-up instructions to deflate and disassemble the spa tub, spa control unit and air bladder.
3. Before storage, make sure all the spa components and accessories are thoroughly clean and dry. Air-dry the spa tub in the mild sun for an hour before folding.
4. Fold the spa tub loosely and avoid any sharp corners to prevent damage or leakage to the spa liner.
5. Prepare new additional cartridge for next time use.
6. Store the spa and accessories in a dry, temperature controlled, between 0°C - 40°C (32°F - 104°F) storage location.
7. Original packaging is recommended to be used for storage.

DISPOSAL AND ENVIRONMENTAL PROTECTION



This marking indicates this product should not be disposed with other household wastes. To prevent possible harm to the environment or human health from uncontrolled waste disposal, recycle it responsibly to promote the sustainable reuse of material resources. You can obtain information on disposal from your local authorities.

To return your used device, please use the return and collection systems or contact the retailer where the product was purchased. They can take this product for environmental safe recycling.

TROUBLESHOOTING

ERROR CODE CHART

LED READING	CAUSE	SOLUTION
E0	Water temperature is lower than 0°C degree or exceeds 55°C (131°F)	Change the water or contact the MSpa Service Center.
	Temperature sensor failure	
E1	Waterflow switch failure	Contact the MSpa Service Center.
	Filter failure	
	Water level is not at minimum water line	Add water above the minimum line.

PROBLEM	CAUSE	SOLUTION
NO DISPLAY ON THE WIRED CONTROLLER	Power failure	Check power supply
	PRCD is off	Reset PRCD by following PRCD Testing section
	PRCD broken	Contact the MSpa Service Center
	Press the Reset button, Control Panel is not displayed	Contact the MSpa Service Center
NOT HEATING PROPERLY	Temperature set too low	Set a higher temperature
	Dirty filter cartridge	Clean or replace the filter cartridge
	Water level is not at the minimum water line	Add more water to the minimum line
	Heater failure	Contact the MSpa Service Center
	Filter pump broken	Contact the MSpa Service Center
BUBBLE AIR BLOWER DOES NOT WORK	Auto-off 10 minutes	Wait for 10 minutes
	Unidirectional threshold is not open	Contact the MSpa Service Center
	Control panel failure	Contact the MSpa Service Center
	Inflation knob is in <ON> position	Turn the knob to <OFF> position and turn on the bubble button again.

PROBLEM	CAUSE	SOLUTION
OZONATOR FAILURE	Water level is below the minimum water line	Add water above the minimum line
	One-way valve blocked	Contact the MSpa Service Center
	Filter pump does not work	Refer to "FILTER PUMP DOES NOT WORK" section
FILTER PUMP DOES NOT WORK	Filter stuck by dirt or other objects	Clean or replace the filter cartridge
	Filter system failure	Contact the MSpa Service Center
SPA TUB IN AN ABNORMAL SHAPE	Extra air pressure by strong sunlight	Check the air pressure and release some air if necessary. During hot weather, it is recommended to check if it is necessary to release some air to avoid any possible damage to the spa pool
SPA LEAKING	Spa inlet/outlet connection not securely tight	Tighten the inlet and outlet connection
	Drainage valve is not closed completely	Close the drainage valve. Contact the MSpa Service Center, if spa is still leaking
	Water leaks from the spa pool body	Repair the leaking hole/spilt with the repair kit material
SPA LOSES AIR PRESSURE	Air valve got loosen	Inflate the spa till the Yellow section of the manometer is pushed out. Make sure the valve is screwed tightly. Replace the valve if necessary.
	Hole or split on the spa tub	Put soap water in a squirt bottle and spray on seams. If there is a leak, small bubbles will come out. After you find the leak, clean and dry the leaking area, then use the repair patch comes with your spa to repair. Check the repair section on P22.
WATER NOT CLEAN	Water has been used too long	Change the water
	Insufficient filtering	Increase filtration frequency
	Dirty filter cartridge	Clean or replace the filter cartridge in time
	Improper water maintenance	Refer to the chemical manufacture's instruction

CONTACT YOUR LOCAL MSPA DEALER OR SERVICE CENTER FOR ANY PRODUCT RELATED QUESTIONS OR PROBLEMS.

MSPA LIMITED WARRANTY

MSpa® has been manufactured with reliability and simplicity in mind. All products have been inspected and found free of defects prior to leaving the factory.

MSpa warrants this product against defects in material and workmanship for a period of: **ONE (1) Year**

The warranty period begins from the date of purchase and MSpa requires presentation of the original proof to purchase to ascertain the date. During the warranty period, MSpa will either repair or replace, at its discretion, any defective products. Replacement products or repaired parts will be warranted for only the unexpired portion of the original warranty.

Shipping Policy

Consumers are responsible for the shipping/freight when return the defect parts to MSpa authorized service center or ORPC-Oriental Recreational Products (Shanghai) Co., Ltd.

Warranty Policy

- This limited warranty does not apply to any defect resulting from negligence, accident, misuse, or other reason beyond MSpa's reasonable control, included but not limited to: normal wear and tear, negligence or failure to follow the product instructions, improper or inadequate maintenance; connection to improper power supply; chemical water damage, loss of pool water, unauthorized product modification or repair; use for commercial purpose; fire, lightening, flood or other external causes
- This warranty is valid only in the country of purchase in such countries where MSpa sells and services the same model with identical technical specifications
- Warranty service outside the country of purchase is limited to the terms and conditions of the corresponding warranty in the country of service. Where the cost of repairs or replacement is not covered by this warranty, MSpa will advise the owners and the cost shall be charged to the owner.
- This warranty only applies to the original purchaser and terminates upon any transfer of ownership.
- All repairs of which warranty claims are made must be pre-authorized by ORPC through an accredited distributor or agent provided that the defective part be returned to the distributor or agent Transportation Prepaid, if requested.
- All the authorized selling dealer is responsible for all in-field service work carried out on your MSpa product. ORPC will not be liable for results of cost of workmanship from unauthorized service person.
- Products marked with both MSpa and another producer are governed exclusively by the warranty provided by the other producer.

Warranty Registration

Please always keep the purchase receipt, warranty card in case of future warranty inquiry. All claims must be submitted to MSpa authorized dealers or service partners. Warranty contact information is provided on the back of the warranty card. It is essential that all submitted claims provide all the necessary information, including Customer name, Purchase receipt, Serial No., Product No., Problem, and Parts requested.