



Muskoka Portable Spa

Owners Manual / Assembly Guide



www.canadianspacompany.com

WARNING

Technical Specification / Installation Advice

Be sure to follow these basic safety precautions when installing this electrical equipment:

IMPORTANT SAFETY INSTRUCTIONS

READ AND FOLLOW ALL SAFETY INSTRUCTIONS

1. **WARNING:** The hot tub has been supplied through a residual current device (RCD / GFCI) having a rated residual operating current not exceeding 30mA. The RCD / GFCI must be tested before each use.
2. **WARNING:** No part of the spa is to be located above the spa during use.
3. **WARNING:** This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
4. **WARNING:** Children should be supervised to ensure that they do not play with the spa.
5. **WARNING:** If the supply cord is damaged, DO NOT USE - contact manufacturer in order to avoid a hazard.
6. **WARNING:** To reduce the risk of electric shock, do not use extension cord to connect unit to electric supply
7. **WARNING:** Make sure the home fixed connection box is more than 3.5m/12ft away from the hot tub.
8. **WARNING: RISK OF ELECTRIC SHOCK. DO NOT BURY CORD.** Locate cord to minimize abuse from lawn mowers, hedge trimmers, and other equipment. To reduce the risk of electric shock, replace damaged cord immediately.
9. **WARNING:** Electric installations should fulfill the requirements of local standards.
10. **WARNING:** Any live electrical parts (except those with voltage below 12V) must be inaccessible to a person in the hot tub.
11. **WARNING:** Parts incorporating electrical components (except remote control devices) must be located or fixed so that they cannot fall into the hot tub.
12. **WARNING:** Do not switch on the hot tub if there is any possibility that the water in the hot tub is frozen.
13. **DANGER:** Risk of Electric Shock. Install at least 3.5m/12ft from all metal surfaces.
14. **DANGER:** Do not permit any electrical appliance (such as a light, telephone, radio or television) to be within 5 feet (1.5m) of the hot tub.
15. **DANGER:** Risk of Accidental Drowning. Extreme caution must be exercised to prevent unauthorized access by children. To avoid accidents, ensure that children cannot use this hot tub unless they are supervised at all times.
16. **DANGER:** Never operate the hot tub if the suction fittings are broken or missing. Never replace a suction fitting - contact manufacturer.
17. **CAUTION:** The use of alcohol, drugs, or medication before or during hot tub use may lead to unconsciousness with the possibility of drowning.
18. **CAUTION:** Obese persons and persons with a history of heart disease, low or high blood pressure, circulatory system problems, or diabetes should consult a physician before using the hot tub.
19. **CAUTION:** Persons using medication should consult a physician before using the hot tub since some medication may induce drowsiness while other medication may affect heart rate, blood pressure, and circulation.
20. **CAUTION:** Pregnant or possibly pregnant women should consult doctor before using the hot tub.
21. **CAUTION:** Always enter and exit the hot tub slowly and cautiously. Take care because wet floors can be slippery.
22. **CAUTION:** In order to avoid a hazard due to inadvertent resetting of the thermal cutout, 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.
23. **CAUTION:** Exit immediately if you feel uncomfortable, dizzy or sleepy. Hot tub heat can cause hyperthermia and unconsciousness. Hot tub heat in conjunction with alcohol, drugs, or medication can cause unconsciousness.
24. **CAUTION:** Do not use the hot tub immediately following strenuous exercise.
25. **CAUTION:** Do not add chemicals to the water while the hot tub is in use because a chemical reaction may impact the safety of the user.

TECHNICAL SPECIFICATION

Seating capacity:	5 – 6 adults
Dimensions:	74 in x 74 in x 29 in / 188 cm x 188 cm x 73 cm
Dry weight:	190 lb / 86 kg
Filled weight:	4000 lb / 1800 kg
Water capacity:	423 gallons / 1500 litres
Spa shell:	Reinforced heavy duty vinyl
Spa cabinet:	Insulated Rigid Composite Panels – maintenance free
Jets:	130 massage jets
Pump:	Circulating pump – continuous duty
Blower:	1.5 HP air blower
Heater:	1.940 kW high output Europe 1.320 KW North America
Filtration:	Pressure filter with replaceable filter media
Control panel:	Digital control system
Cover:	Lockable tapered hard top cover
Booster seats:	2 water filled booster seats
Electrical requirements:	- Europe: 230-240V / 13A / 50 Hz - North America: 120V / 15A /60Hz
Step:	Optional step
Cover Lifter:	Optional Cover lifter



INSTALLATION ADVICE:

- Locate your spa on a clean surface, sweep away all debris.
- Your new spa must be placed on a flat and level surface, not grass or gravel. The area must be at least as big as the spa.
- Ensure the area you install it in can accommodate up to 661lb/300kg per sq metre.
- Do not locate your spa in a low water run off area as flooding of the control unit will damage the unit.
- Do not locate your spa near overhead wires or electrical devices.
- Make sure the home fixed connection box is more than 3.5m/12ft away from the hot tub.
- Plan the location of your control unit for best access to power. Ensure you allow sufficient space for storage of your cover or optional cover lifter

INDOOR - Special requirements for indoor installation:

- The spa must be accessible to an adequate drainage system for overflow water and drainage.
- The spa must be installed in a ventilated area to minimize the humidity caused by hot water. To avoid any furniture or articles damaged by moisture, please check before installation and keep them away from the area.

SET-UP INSTRUCTIONS:

NOTE: Please select a setup site which strictly conforms to the above guidelines. Spas installed on an inadequate surface may result in property damage or serious injury and may also invalidate the warranty.

Parts Check List

Note: Remove all items from the box and check that you have all the parts before starting the assembly

Part J Spa Cover x 1

Part I Spa Liner x 1

Part E Pump connectors x 2

Part F Blower connector x 1

Part H Foam pillows x 8

Part D Control unit wall adjoining Control Unit x 1

Part M Spa Seat x 2

Part B Cabinet walls x 7

Part C Dividers x 8

Part G Control Unit x 1

Part A Underlay x 1

Part L Filter x 2

Part K Jet caps x 3 (DO NOT DISCARD) - these caps are needed to remove Control Unit without the need for draining)

Optional Extras:

Chemical Kit

Cover Lifter

Steps

Spa Ball

Assembly Instructions



- 1 Take all components out of the box and lay them on the floor. Refer to the checklist (see page 3) to confirm that all pieces are included before continuing.

Preparation: Find a flat, level location for your Muskoka spa. Sweep the area thoroughly to remove sharp objects. Ensure outdoor socket and drain area are not too far away from the spa.



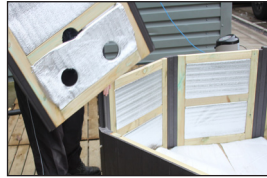
- 2 Take underlay (Part A) and position underlay where the footprint of the spa will be.



- 3 Take 2 x Cabinet walls (Part B) and 1 x Divider (Part C) and position on one of the eight sides of the underlay. Slide the Divider (Part C) into the top of one of the Cabinet walls (Part B). Next take the second Cabinet wall (Part B) and slide it from the top of the Divider to join the two Cabinet walls and Divider together as one. Ensure the 'snap clip' faces upwards



- 4 Continue to add Dividers (Part C) and Cabinet walls (Part B) until seven sides are complete. The final side will be used to attach the Control unit. **Tip:** Ensure that the Dividers are positioned so the snap clip remains on top.



- 5 Take the Control unit wall (Part D) and slide into the remaining Dividers to complete the cabinet. Please note that the spa must be in perfect octagon shape to get this panel in.

Tip: Gripping the panel on both sides and giving it a small wiggle can help loosen it to get it in if it gets stuck.



- 6 Place a Foam pillow (Part H) on top of each Cabinet wall. Ensure that the foam pillow is angled towards the centre of the spa.



- 7 Insert liner (Part I) into the centre of the spa. Ensure the pipe connections are located behind the Control panel wall.



Attach connectors.



- 8 Screw the Blower connector (Part F) onto the lower left pipe connection on the liner



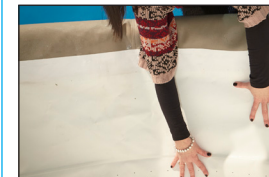
- 9 Take the 2 x Pump connectors (Part E) and push onto the remaining pipe connections on the liner. Screw the thread to tighten into place.



- 10 Feed pipes through the correct holes in the Control unit wall (Part D). The Blower connector (Part F) must go through the bottom left hole (when facing the spa from outside)



- 11 Walk around the spa (Part I) and pull the Liner (Part I) over the Cabinet walls (Part B). Clip the liner to the outside of the cabinet walls using the snap-on clips. **Note:** The liner will be quite tight and snug when attaching the final clips.



- 12 When all eight sides of the liner are attached to the cabinet, use your hands to pat out any pockets of air to spread out the liner completely.

Assembly Instructions



13 Position the Control unit (Part G) next to the spa and to the Pump and Blower connectors (Parts E and F). Attach the connectors by screwing them one by one into the Control unit (Part G) until they are fully connected (hand tight).



14 Fill with water (do not use hot or boiling water) to a point 50-80mm / 2-3 inches where liner meets the coloured rim.



15 Once the spa has been filled with water, plug the RCD/GFCI cable into the electrical outlet. Test the RCD/GFCI by pressing the "Test" button then the "Reset" button.



16 Place the cover (Part J) on top of the spa and ensure that the cover skirt is not folded underneath the cover.



17 Secure your cover to the spa by screwing in the locking straps to the cabinet walls (screws should be attached to one of the cover straps).



Cleaning/Replacing a Filter cartridge

1 Turn off the Control Unit by unplugging the GFCI/RCD.



2 Shut off the water flow by screwing in the Jet caps (Part K) to the suction and return jets on the inside of the Liner (Part I).



3 Open the air release valve by turning it counterclockwise.



4 Unscrew the filter house lid by turning it counterclockwise.



5 Take out the filter cartridge and replace it with a new one.



6 Insert the new filter cartridge into the center of housing, making sure the seal ring is in the correct position. Close the lid by turning clockwise.



7 Remove the jet caps (Part K) from the intake and outtake of the spa liner to allow the water to flow into the Control unit.



8 Test the GFCI/RCD by pressing the "Test" button then the "Reset" button. If the Control unit does not turn on after this test then contact your dealer for service.



CHECK FOR AIR BLOCKS:
After initial set-up you may need to bleed air from the system. To remove an air-lock unscrew the small air-lock valve on top of filter lid until air releases and then close valve.

Spa Pump Operation Instructions

RELEASE THE AIR INSIDE THE PUMP

WARNING: Never run the pump idly. Releasing the air inside the pump is the key step to ensuring that the pump runs normally.

WARNING: The water level inside the spa must be above the highest pump connection before the spa is turned on.

- 1) Unscrew the air purge valve counter-clockwise and let some water trickle out.
- 2) After enough water has been released (approx 1 cup) close the air purge valve by screwing it back in.
- 3) Dry any excessive water on the Control unit.



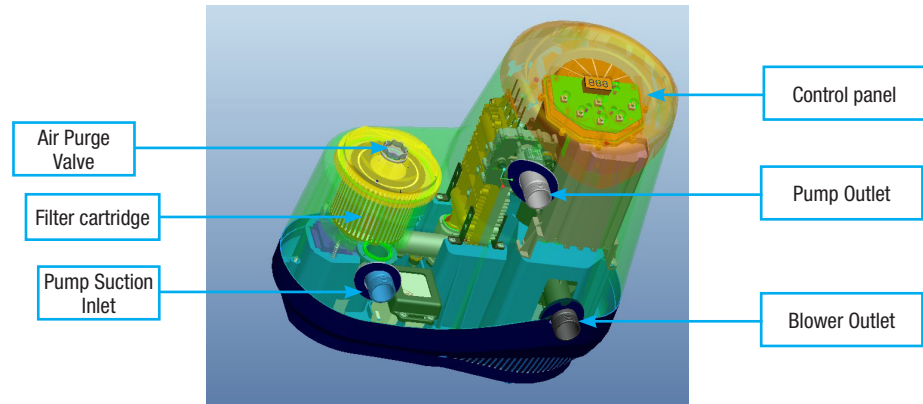
CONTROL UNIT FUNCTIONS - LED Display



- **LED Display:** Once powered-up, the LED display will show the current water temperature automatically.
- **'Temperature Adjustment' buttons (A & B):** Increase (A) Decrease (B). Pressing one of the temperature adjustment buttons will cause the LED Display to flash. When it is flashing, you can set the desired temperature. The value will increase or decrease by 1°C/1°F for each press. If you hold the button for 2 seconds, the values will increase/decrease rapidly.
- **Temperature adjustment ranges:** Celsius mode: 30°C - 40°C / Fahrenheit mode: 86°F - 104°F. To lock the Control unit, press (A) + (B) at the same time and hold them for 3 seconds. When the spa is left unattended please be sure to lock the Control unit to avoid having the settings changed. Unlock the Control unit by pressing (A) + (B) at same time and hold for 3 seconds again.
- **'Temperature Mode' button (G):** Press this button to change from Celsius to Fahrenheit.
- **'Jet Massage' button (C):** Activates jets. Press this button to activate the massage system, the green indicator light turns on. It can be turned off by pressing it again.

NOTE:

- a) The massage system will stop automatically after 30 minutes of operation. Re-activate the jet function by pressing the jet button again.
- b) When the Filter mode is on, pressing the Jet massage button (C) will cause the Filter mode to turn off and the Jet massage mode to turn on.
- c) Heating and jet function can not be activated at same time. When heating system is working, pressing (C) will change heating mode into jet mode: heating and filtering are shut down, jet system will be activated. If you press (C) again, heating and filtering mode will re-start.
- 5): Pressing filter button (D) activates Filter system. This button turns the filter pump on and off. The green indicator light will turn on when the filtration system is activated.
Note: When heating and filter functions are working at same time, pressing (D) will shut down heating and filtering together. When (C) is on, filter and heating cannot be activated therefore (C) should be shut down first.
- 6) Pressing the heat button (E) activates the heating and filtering system at the same time. The green Filter light and red Heat light will be activated at the same time. The pump does not stop heating until the current water temperature reaches the set temperature. The Heating mode will restart automatically after the water temperature drops 2°C/2°F below the set temperature. Max. heat temperature: 40°C (104°F). Allow 24 -48 hours to heat up your spa.



Maintenance
Limited Warranty, Terms, Conditions & Limitations

PROBLEM	CAUSES	SOLUTIONS
The LED display on the Control unit is off	<ul style="list-style-type: none"> Power failure RCD/GFCI tripped RCD/GFCI broken 	<ul style="list-style-type: none"> Check power source Press the Reset button on the RCD/GFCI
Spa does not heat up properly	<ul style="list-style-type: none"> Temperature set is too low Filter cartridge is dirty Water level is too low Air lock in the pump Heating element failed 	<ul style="list-style-type: none"> Set to a higher temperature Clean/replace the filter cartridge (see page 5) Add more water Release the air in the pump (see page 6) Call your dealer for service
Jet massage system does not work	<ul style="list-style-type: none"> Pump is too hot 30-minute auto shut off feature is activated Something is wrong with the control panel 	<ul style="list-style-type: none"> Unplug the control unit. When the pump has cooled, insert the RCD/GFCI and press the jet button to activate again. Press the jet button to reactivate Call for service if it does not reset
Water filtration is not working	<ul style="list-style-type: none"> Dirty filter cartridge Inlet and outlet blocked Air lock Something is wrong with the control panel 	<ul style="list-style-type: none"> Clean/replace the filter cartridge (see page 5) Clean the inlet/outlet connections in the liner Release the air in the pump (see page 6) Call for service if it does not reset
Pump leakage Leaking spa Water is not clean	<ul style="list-style-type: none"> Water leakage Spa liner is torn or punctured outlined Insufficient filtering time Dirty filter cartridge Improper chemical maintenance 	<ul style="list-style-type: none"> Call for service Use repair patch provide with your spa Press the Filter button to activate the filter mode Clean/replace the filter cartridge (see page 5) Change the water inside the spa

LIMITED WARRANTY, TERMS, CONDITIONS & LIMITATIONS

Canadian Spa Co. Manufacturing extends the following warranties to the original purchasers of its portable spas:

Liner Warranty: Canadian Spa Co. warrants the vinyl finish against defects in material and workmanship and specifically against blistering, cracking or delamination on seams for the period of two (2) years from the original purchase date to the original purchaser. If, in Canadian Spa Co. opinion, the Liner proves to be defective during this period, Canadian Spa Co. will repair or, at its option, replace the defective spa liner without charge to the customer.

Plumbing Warranty: Canadian Spa Co. warrants the plumbing of the spa will remain free from leaks for the period of two (2) years from the date of purchase to the original purchaser.

Equipment Warranty: Canadian Spa Co. warrants the equipment pack (pump, blowers, heater, and control system) against malfunction and defects, the materials and workmanship for two (2) years from the date of purchase to the original purchaser.

Skirting Warranty: Canadian Spa Co. warrants the skirting surrounding the spa to be free from defects in materials and workmanship at the time of purchase.

Extent of Warranty: This Limited Warranty applies to portable spas manufactured after March 1, 2013 and sold by authorized Canadian Spa Co. dealers to residential retail customers. This Limited Warranty is given only to the first retail purchaser and terminates upon transfer of ownership. No warranty is provided on filters or any dealer installed accessories. Cost of installation, removal and/or shipping of the spa is not covered by this Limited Warranty. In the event Canadian Spa Co. deems necessary the removal of the spa to a place of repair or that the spa must be replaced, any and all costs of the spa removal and replacement; landscaping, decking, fencing and/or structure removal, alteration and/or replacement; or other costs of providing access to the spa will be for the purchaser. This Warranty applies only to spas in single family, residential installations. This Limited Warranty becomes void if the spa is placed in commercial application.

TERMS, CONDITIONS AND LIMITATIONS

Any defect or damage caused by installation, alteration or repair by anyone who is not an employee of Canadian Spa Co. or an authorized service technician is not covered by the Warranty. This Warranty becomes void if the spa has been subjected to misuse, abuse, alteration or attempted alteration, repairs or attempted repairs by anyone other than an authorized Canadian Spa Co. service technician, improper installation, improper water chemistry, improper maintenance, acts of god, or damage caused beyond the control of Canadian Spa Co. Misuse and abuse shall include any operation of the spas other than as directed in the Canadian Spa Co. Manual. Examples of misuse and abuse include, without limitation:

- Damage of the spa surface caused by leaving the spa uncovered while the spa is empty of water or due to covering the spa with plastic film of any kind.
- Damage to the spa surface caused by contact with unapproved cleaners or solvents.
- Damage caused by the operation of the spas at water temperatures outside of the range of 34 – 104F (30-40C)
- Damage caused by unapproved sanitizer such as calcium hypochlorite, tri-chlor type chlorine or any sanitizing chemical that may remain undissolved on the spa liner.
- Damage caused by failure to provide even sufficient support for the spa.

Purchaser must complete online Warranty Registration Card at: www.canadianspacompany.com within thirty (30) days of installation.

Warranty Performance: In the event of a defect covered under the terms of this Limited Warranty, notify your authorized Canadian Spa Co dealer. A Canadian Spa Co. authorized service technician will repair the spa subject to the Terms and Conditions of this Limited Warranty. Use all reasonable means to protect the spa from further damage. Reasonable travel charges may be assessed by Canadian Spa Co. or its authorized service technician if the spa is located outside the nearest authorized service technician's service area.

Disclaimers: Canadian Spa Co. or any of its authorized service technicians shall not be held liable for injury, inconvenience, loss of use, chemical or water damage, transportation costs, continent liabilities or any other incidental or consequential costs, expenses or damage as result of any deficiency or alleged deficiency of the spa. In no event shall Canadian Spa Co. be liable, for any reason or cause, in excess of the amount paid for the product. No other warranties, expressed or implied, are valid. No agent, dealer, distributor, Service Company or other party is authorized to change, modify or extend the terms of this Limited Warranty in any manner whatsoever.

CODE	PROBLEM	PROBLEM	PROBLEM	SOLUTION
E1	Wrong temperature	Not heating properly	Temperature control sensor short circuit or open circuit.	Need qualified service technician
E2	Wrong temperature Protection sensor	Not heating properly	Temperature control sensor short circuit or open circuit.	Need qualified service technician
E3	High water temperature indicator	Not heating properly	The filled water is over 45°C (113°F). Water is between 2°C - 44°C (36° F - 111°F)	Unplug the Control unit and reset the GFCI/RCD. If this does not solve the problem please contact your dealer for service
E4	Low water temperature indicator	All functions do not work, buzzing warning	The spa water is lower than 2°C (36°F)	Unplug the Control unit and reset the GFCI/RCD. Add warmer water to the tub, if this does not solve the problem please drain the spa and contact your dealer for service
E5	High water temperature indicator	All functions do not work, buzzing warning	The filled water is over 50°C(122°F)	Unplug the Control unit and contact your dealer for service
E6	Water pressure is not high enough to activate heating	Not heating and filtering properly. Buzzing warning	Inlet or outlet on inner wall are blocked. Filter cartridge is too dirty. Spa water does not reach minimum water level. Air-lock in pump	Clean inlet and outlet. Clean or replace filter. Add water to reach min. water level. Remove the air lock (see page 6). If this does not solve the problem, please call for service
E7	Dry-run heater	All functions do not work, buzzing warning	No water in the spa, system shut down automatically	Add additional water to the spa and make sure the pump connectors aren't blocked. If this does not solve the problem please contact your dealer for service

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