

# **solus**

Contemporary design, formed in concrete.

## **FIRE FEATURES**

Care and Maintenance



## Solus Care and Maintenance Guide

Congratulations on the purchase of your Solus Fire Feature. As with any other appliance, you must take good care of your outdoor fire pit to ensure longevity and reliable performance. Following this Care and Maintenance Guide will also ensure that your warranty will be in effect in the unlikely event that it should be required.

The following key components must be maintained by a certified gas fitter at least once a year as follows: (\* denotes maintenance tasks that can be done by a home owner; \*\*\* denotes maintenance tasks that should be done by a certified gas fitter)

### General Maintenance of your Solus Firepit:

Every two years, vacuum the inside bottom of the concrete vessel to ensure that the lava dust does not block the venting holes of the vessel.

Before starting, have the following on hand:

- Vacuum, pipe cleaner, steel wool, and WD40
- Work gloves
- Plastic drop cloth (this is to place the rocks upon)
- Old towel or blanket (to place on the rim of the firepit and rest the burner on)

- Step 1: Ensure that the fuel (NG or LP) is turned off at the main source. If it is electronic, switch off the breaker.
- Step 2: Keeping rock types separate, remove them from the firepit and place them on plastic (stones can be cleaned easily with hot soapy water or can even be placed in the dishwasher)
- Step 3: Lift the burner assembly (lift the burner carefully and use protective blanket to avoid scratching the surface or rim of the vessel) With the help of another person, remove the dirt and debris from the inside of the vessel with a shop vac or by hand.
- Step 4: Inspect the burner for any issues. Ensure that the nozzles are clear by following these guidelines:

## MANUAL LIT SYSTEM

**Burner Nozzles** – \*Vacuum (using shop vac or vacuum cleaner) tip of each nozzle to clean out any dust, dirt or water condensation in the gas orifice.

**Ball Valve** – \*Spray one shot of WD40 into the key hole, insert the key and rotate the ball valve clockwise and anticlockwise. Repeat as needed to achieve smooth ball valve operation.



Picture of the ball valve viewed from the flange plate is shown at left. Spray WD40 into the key hole as pointed out here.

## MANUAL LIT SYSTEM with FLAME SUPERVISION VALVE

**Burner Nozzles** – \*Vacuum (using shop vac or vacuum cleaner) tip of each nozzle to clean out any dust, dirt or water condensation in the gas orifice.

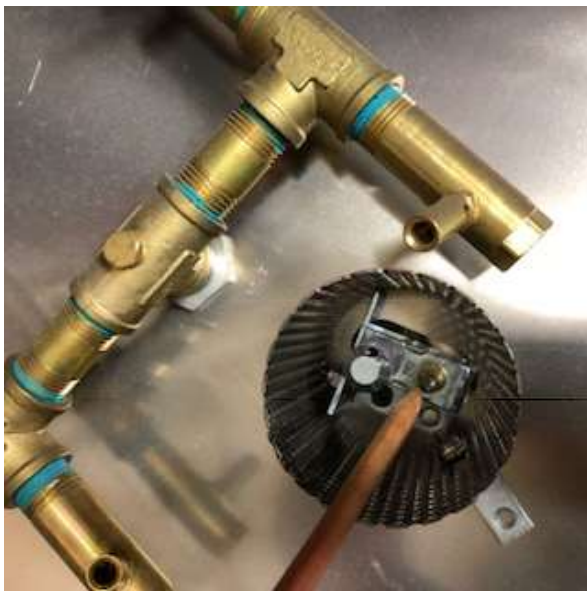
**Flame Supervision Valve H15** – \*Remove the “button cover” (pictured on following page), blow air under the push button at no more than 40 psi air to clean out any dirt or grime underneath. Please note that the button can be easily popped out with a flat head screw driver; please note the pattern at the back of the button as the button can only be reinstalled in one orientation.

## Manual Lit System w/Flame Supervision Maintenance...



Flame Supervision Valve H15 button (grey in color). Note the pattern on the back of button for reinstallation

**Thermocouple K17** – \*Gently clean the tip with steel wool to remove tarnish.



Thermocouple viewed from the top

Manual Lit System w/Flame Supervision Maintenance continued...

**Universal Pilot J985** – \*Clean the spark rod tip with steel wool to remove any tarnish or dirt. \*\*\*If gas flow weakens over time remove inlet and wash with mineral spirits and clean inside the inlet tube.



Inlet Tube pictured below the Universal Pilot

## **ELECTRONIC IGNITION SYSTEM with or without ADJUSTABLE BALL VALVE (Adjustable Auto Firepits)**

**Burner Nozzles** – \*Vacuum (using shop vac or vacuum cleaner) tip of each nozzle to clean out any dust, dirt or water condensation in the gas orifice.

**Dual solenoid valve BGD258** – \*Ensure that the coil terminals (where the wires are connected to) are clean from spider webs, leaf built up, anything that could short out between the terminals.

## Electronic Ignition System Maintenance continued...



Picture shows one of two coil terminals. Both coils must be kept clean

**Intermittent Pilot J996** – \*Clean the spark rod tip with steel wool to remove any tarnish or dirt. \*\*\*If gas flow weakens over time remove inlet and wash with mineral spirits and clean inside the inlet tube.

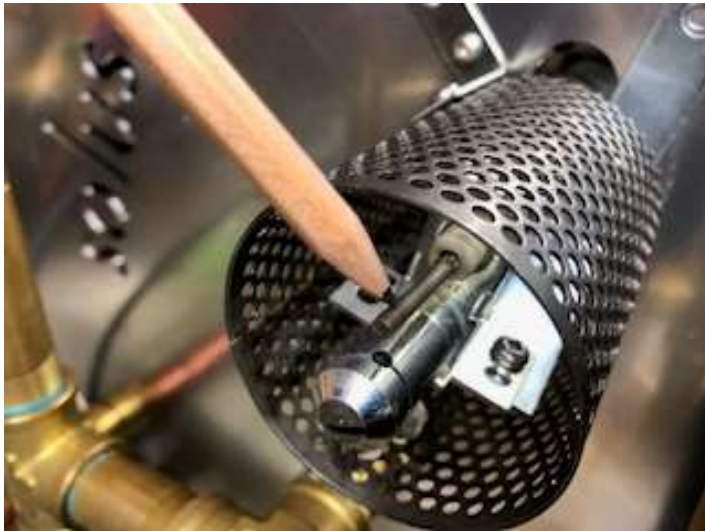


Inlet Tube pictured below the Universal Pilot



Electronic Ignition System Maintenance continued...

**Sensor Assembly (Temperature Sensor Probe) Y75** – \*Clean the tip with steel wool to remove any tarnish or dirt.



Temperature Sensor Probe

**Spark Ignitor** – \*Clean the tip with steel wool to remove any tarnish or dirt.



Picture of Spark Ignition is shown to the left. Only the metal part needs to be cleaned up with the steel wool. The ceramic part is fragile, care should be exercised to ensure that the ceramic portion is not handled unnecessarily.

Electronic Ignition System Maintenance continued...

**Condensation Chamber (the vertically mounted brass tubing with end cap) –**

\*\*\*Remove the end cap and drain off any water. Install the end cap with fresh Teflon tape and check for gas leak.



Pointing at the endcap of Condensation Chamber

**ETHANOL BURNERS** – Simply pull out the main cylinder and inspect it for any water that may have collected in the basin. Dump out any water and reinsert.

- Step 6: Place burner back in fire pit
- Step 7: Put rocks back on support plate
- Step 8: Light and enjoy, or cover your fire pit for another day



## General Maintenance of the concrete vessel:

### Hemi Firepits, Firecube, Firebox, or Linear

Your concrete firepit may slightly fade, patina, and/or watermark over time. This is natural and normal. If you wish to bring it back closer to its original colour it will require a gentle buffing with a clean Scotch Brite green pad (or something similar to what is pictured below) and then a liberal application of stone sealer. (Any stone sealer will suffice including Miracle 511 or a stone sealer from Home Depot, B & Q (UK), or a similar retail store)



Scotch Brite green buffing pad



Beeswax referenced below

### Firetable, Halo, Elevated Halo, Concrete Ring (Hemi)

It is important to note that the above method (under Hemi, Firecube... etc.) should **not** be used on any of our firepits that have a tabletop surface (including the concrete ring which is an additional option for the Hemi above) We highly recommend using placemats or coasters on any Solus table surface. There are foods that will penetrate the microscopic level of the surface (such as grease, oils or acids). Remove the placemats when not in use. If the surface shows staining, immediately use warm water and a gentle soap. Rinse and repeat. Leave to dry. You can apply sealer once the table surface is dry and repeat with clean cloths. As an alternative sealer, you can use Beeswax Polish which is a natural, organic-based compound. It is important to practice the beeswax application on an unobtrusive part of your firepit before applying it to the table surface. Solus has Beeswax available in 200gm packaging and it comes with application instructions. Please feel free to ask our Sales team to assist you.



## Solus Care Suggestions for ACCESSORIES

All the products shown on the following pages are accessories that can be purchased from Solus Decor. The All-Weather Covers, and the Metal Tabletop can extend the length of your warranty as shown in the “Limited Product Warranty” document. Please contact your sales rep for more information.

This is a care guide for these products.

### ALL-WEATHER COVERS



Solus All-Weather covers help to protect your investment from elements such as damp leaves, bird droppings, etc. Using a Solus All-Weather cover will extend your warranty substantially. (see Solus’ Limited Product Warranty for more detail)

#### Care:

If you live in a high-humidity area, you may notice that your cover may become covered with moss. Solus covers can be put in the washing machine with a non-bleach laundry detergent. Hang to dry. (If you have a “tented cover” for the Halo Series, or Firetable etc., please remember to remove the rods from the casings prior to putting into the washing machine). Alternatively, you can use hot soapy water and scrub off the moss by hand.

## HARDWOOD TABLETOPS



If you have one of our beautiful hardwood tabletops as pictured above, teak oil, Swedish oil, or other oils used for hardwood will revitalize it. These can be purchased at any hardware store in your area.

Care:

It is important to apply oil to your hardwood tabletop **away** from your firepit. Concrete is very porous and absorptive by nature so make sure that the oil does not come in contact with the concrete. Make sure that after you have oiled the tabletop that it is completely dry before putting it back in place.

## METAL TABLETOPS





## Metal Tabletops continued...

Thanks for purchasing our 'new' metal ring tabletop. Here are a few things you should know:

- Please be aware that anything placed on the metal ring will heat up, especially wine glasses! It is best to reduce the flame height when eating or drinking around the firepit.
  - This metal ring is produced from a high-grade aluminum alloy with stainless steel screws. All parts are corrosion free and can be left outside along with your Hemi firepit.
  - The aluminum has been hard anodized to help resist scratching, but it still may be susceptible to damage from small sharp objects or abrasive items being dragged across the surface. Please take care when cleaning with a rag or cloth.
  - Aluminum conducts heat and cold very easily, so we recommend reducing flame height when there is considerable flame 'blow-over' onto the metal ring. Leaving a high flame in contact with the metal for too long may cause a hot spot where fingers may be burnt. The heat will dissipate rapidly once flame is extinguished.
  - If flame blow-over is continuous for an extended period of time, you may notice some slight hairline cracks known as 'crazing'. This is caused by the aluminum expanding more than the anodizing layer. It is a normal occurrence and will disappear once the metal has cooled off. Again, by reducing the flame height you can prevent this from happening.
  - Black soot may accumulate on the ring where there is flame blow-over. Clean off with a soft damp cloth.
- **WARNING!** Any objects (glasses, mugs, plates...) placed on the ring can become very hot due to radiant heat buildup. Please be vigilant when picking up hot objects.

If you have any questions, please give us a call and we will help the best we can.

## FIRESTONES



River stones are visually compelling. Added, in place of lava rock, as a full surface topping they change the character of each fire pit. The repeating forms and varied tones of the stones provide an interesting, textured surface that stands in contrast to the smooth, seamless concrete of our vessels. Castings of actual river rocks, our lightweight refractory concrete fire stones look and feel like the real thing while being stable when exposed to high heats. Each set consists of four colours in a variety of shapes and sizes and will not split, spall or fracture. Our fire stones are made exclusively for Solus, by hand in Canada.

Please note that our fire stones are available for purchase with a Solus Fire pit or to clients who already own one. If you feel, during the installation of your firepit, that you would like the look of more firestones, please contact us directly.

### Care:

Keeping rock types separate, remove them from the firepit and place them on plastic (stones can be cleaned easily with hot soapy water or can even be placed in the dishwasher)

## TANK TABLE



Tank table is a play on our Firecube 16. Adding a vented concrete lid to the cube creates a solution to unsightly propane tanks and the need for efficiency in small spaces. There are many circumstances that our clients have pondered about what to do with the ugly propane tank that they inevitably had to deal with. Sometimes it is perfectly okay to stick it behind a bush or run a line to the garden shed but most people would rather not have to look at it. The tank table makes an attractive end table in your seating area.

### Care:

Please refer to Solus Fire Features / Care and Maintenance on page 9 of 9 under "General Maintenance of the concrete vessel". For the tabletop portion of the tank table, please make sure to follow the care guide for firepits that have tabletop surfaces.