

Waterfall Control Valve Removal and Replacement Procedure

Tools required:

#2 Phillips
screwdriver



1/8" slotted
screwdriver



5/16" slotted
Screwdriver



Pliers



6"
diagonal
cut pliers



Hack
saw



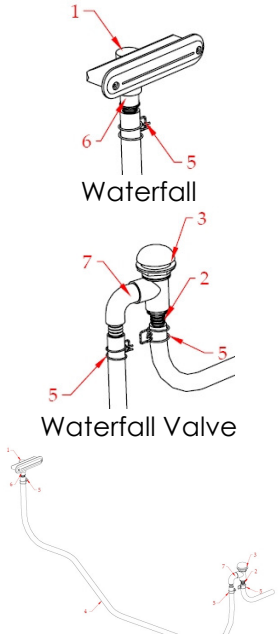
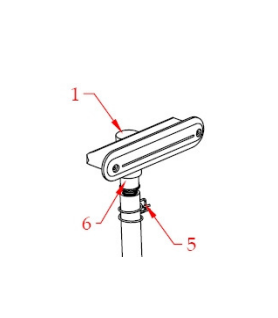




Garden
hose



Before you begin, read and understand all steps of the procedure before beginning so as to familiarize yourself with what is required. Use common sense and always work safe.

1	<p>Turn electrical power off to your spa by turning off its GFCI breaker.</p> <p>Note: It is recommended that you lock this GFCI breaker box so that no one can accidentally turn the power back on while you are working.</p>	
2	<p>Behind trim buttons¹ there are eight #2 Phillips screws holding this panel on: 3 on the left trim piece, 3 on the right trim piece, and 2 on the bottom. Remove the trim pieces and then the bottom screws. As you remove the bottom screws, this panel will fall. Lift the panel out of the way and store all parts in a safe place.</p> <p>CAUTION: This panel weighs at least 10 pounds and will fall down to the ground as the bottom screws are removed. Keep your feet clear of the bottom of the panel and be prepared for this to happen.</p>	
3	<p>Unplug the black spa pack power cord from its receptacle in the grey box.</p>	
4	<p>The waterfall valve is mounted at different places on different spa models and can be changed from the top without removing any panels.</p> <p>If repairing the waterfall, remove the access panel below the waterfall. Store the hardware in a safe place.</p>	

¹ Some spas do not use trim buttons to cover the screws.

5	<p>The two main components in the waterfall system are the waterfall and the valve. Both are changed in a similar manner by first removing the defective component.</p> <ul style="list-style-type: none"> For the waterfall, remove the screws and trim piece to free the waterfall assembly from the spa. For the valve, remove the knob and unscrew the cap from the top (the interior parts will stay in place). Remove the valve by unscrewing the plastic nut from the underside. <ol style="list-style-type: none"> Waterfall Adapter, barb Valve Tubing Hose clamp Adaptor, 3/4"x1" Adapter, 1"x3/4" 90° 	 <p>Waterfall</p> <p>Waterfall Valve</p> <p>Circuit Diagram</p>
6	<p>For the waterfall:</p> <ul style="list-style-type: none"> Remove the hose clamp (5) and remove the defective waterfall. Assemble the new waterfall (1 and 6) with glue and insert into tubing. Reinstall clamp (5). Reinsert waterfall into spa, attach trim piece, and reinstall screws. <p>For the valve, drop the new valve into the pipe, screw on the cap, and reinstall the knob.</p>	
7	<p>Plug in the spa pack.</p>	 <p>Plug in Spa Pack</p>
8	<p>Turn on the GFCI breaker.</p>	 <p>Turn On GFCI Breaker</p>
9	<p>Wait 2 minutes and then turn on all pumps. Check for normal operation and no leaks.</p>	
10	<p>Replace the silver insulation and all panels. Replace the trim buttons over the screws (if present).</p> <p> Tip: It is safest to have two people install these panels: one</p>	

	holding the panel in place while the other puts in the screws.	
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