



STOIC COURAGE LION HEAD SOLAR WALL FOUNTAIN AMP-673

Read all assembly and care instructions carefully before using this product.
Save these instructions for future reference.

Assemble components on a soft, clean surface to avoid scratching/damaging the finish.

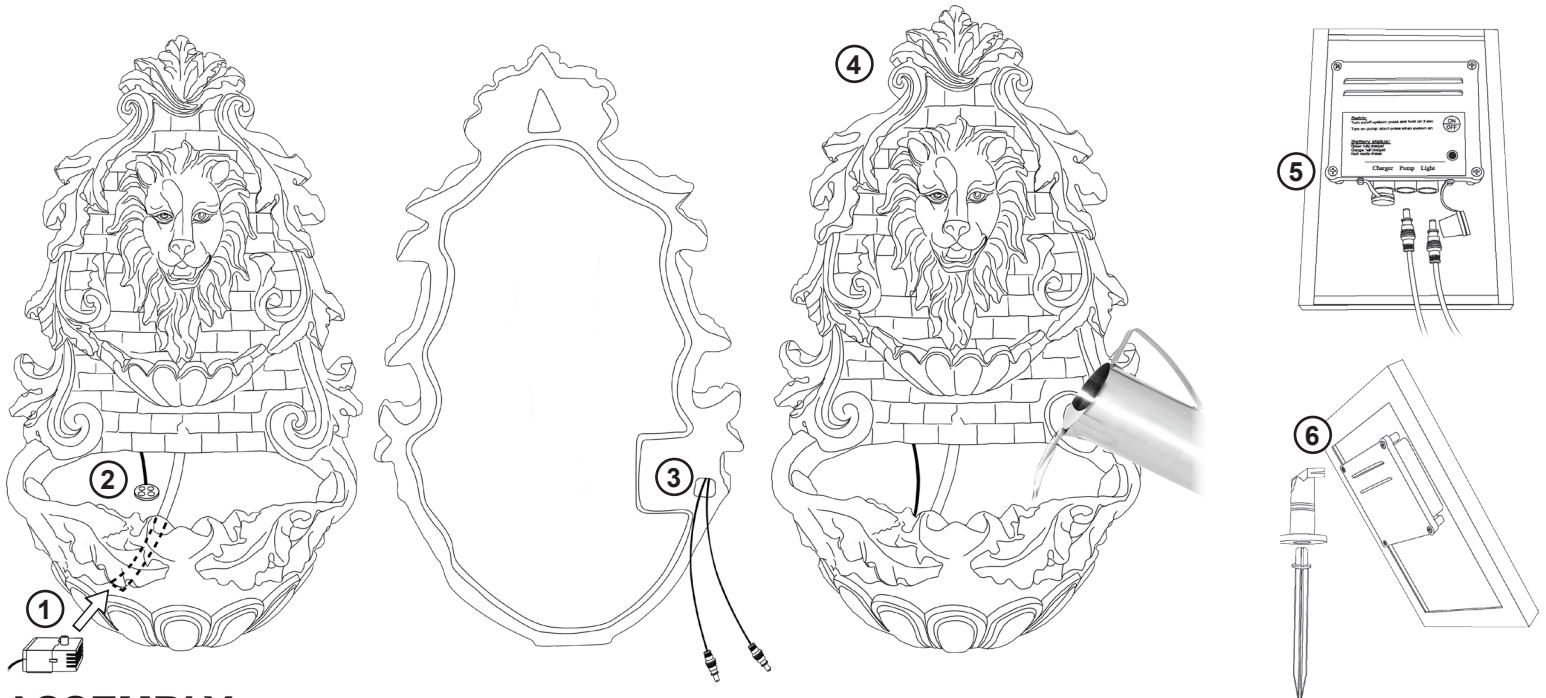
PARTS	QTY.
Wall Fountain	1
Submersible Pump	1
LED Light	1
Solar Panel	1
Bracket	1
Spike	1

Mounting hardware not included.



Inspect packaging to ensure all parts are accounted for before disposing of packing materials.

NOTE: The water tubing is built into the fountain. Do not attempt to remove the water tube as doing so will damage the fountain and void the warranty.



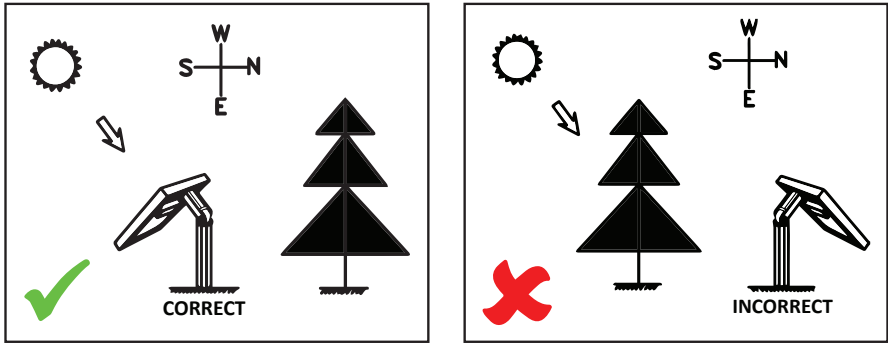
ASSEMBLY

1. Attach the pump to the tubing that is built into the fountain and place the pump in the reservoir.
2. Place the LED light ring in the fountain reservoir.
3. Run the pump and light cables through the opening in the back of the fountain.
4. Hang the fountain and fill it with enough water to keep the pump fully submerged during operation.
5. Connect the pump and LED light cables to the back of the solar panel.
6. Connect the bracket to the spike and attach the solar panel to the bracket.

Note: When first used, there may be air in the pump. It may take several minutes for the air to escape and water begins to flow.

PANEL PLACEMENT

Insert the spike into the ground. Position the solar panel to face South (in the Northern hemisphere) to make the most of daylight hours. It is important to angle the solar panel towards the sun when the sun is at its highest point. Ensure trees, shrubs, or buildings do not shade the solar panel.



SOLAR PANEL OPERATION

NOTE: The LED light only works at night. Pump operation is reliant on the solar panel receiving full sunlight; see the chart at the bottom of this page for details.

The solar pump is designed to primarily operate during the day when the solar panel is in full sunlight. Extra solar energy is stored in the battery to power the pump when it is cloudy or at night. For optimal performance, make sure the solar panel is in full sunlight all day.

Turn the pump 'ON': Short press the ON/OFF button to turn the pump on.

Pump operation is determined by the amount of sunlight the solar panel receives. The pump will automatically operate when the solar panel receives sunlight the following day.

Indicator Light/Battery Status: *Blinking* = pump is on *Solid* = pump is off & battery is charging

Green: Battery fully charged, pump will run approximately 6-8 hours.

Orange: Battery partially charged, pump will run approximately 2-6 hours.

Red: Battery needs charging, pump will run less than 1 hour.

Note: To protect the battery, avoid frequently turning the pump on manually.

Turn the pump 'OFF' / quick-charge the battery: Press and hold the ON/OFF button for 3 seconds to turn the pump off. In sunlight, the panel will charge the back-up battery.

WEATHER	PUMP ON Surplus solar energy is charged to back-up battery	PUMP OFF All solar energy is charged to back-up battery
	Solar energy runs the pump and charges the battery. Pump performance is maintained when the clouds pass. Pump runs into the evening/night until the battery is depleted.	Battery should be fully charged in 1 day.
	Solar energy runs the pump and surplus energy is stored in the battery. Performance is maintained when the clouds pass. The pump will only run for a short time in the evening until the battery is depleted.	Battery will take 2 to 3 days to fully charge.
	Pump will only run when there is sufficient power from the battery. Little or no battery charging occurs so pump performance is not maintained or guaranteed.	Battery will take several days to fully charge.
	No solar power is available, the pump will not run and the battery will not charge.	Battery will not charge.

CLEANING AND MAINTENANCE

Regular cleaning will keep the water clear, keep the pump clean, and keep white scale build-up and algae at bay.

 DO NOT USE BLEACH

 DO NOT USE A PRESSURE WASHER

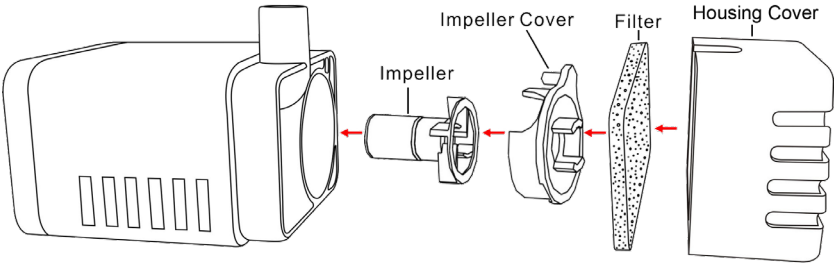
FOUNTAIN:

Unplug the fountain, empty the water, and remove the pump. Wash the fountain with clean water, a soft sponge, and mild soap; equal parts water and distilled white vinegar also work well. Thoroughly rinse the fountain before adding water.

PUMP (6V DC):

If the pump starts losing power or stops working, check for buildup of sediment or scale in the filter and/or in the pump housing. To access the filter, firmly press down on the top of the housing cover and pull it outward.

To clear the impeller, pull the impeller cover off the pump and gently remove the impeller.



SOLAR PANEL:

To ensure optimal performance, clean the face of the solar panel with a soft cloth; take care not to scratch the glass. Solar panels can become extremely hot in the sunshine. It is recommended that cleaning be performed early in the morning, late in the evening, or during a relatively cool day.

TECHNICAL DATA

Solar Panel	2 W
Operation Voltage	6V DC
Max. Water Flow	200 LPH
Light	4 LED White
Cable Length	5M
Lithium Battery	3.7V-2000mAh

! IMPORTANT INFORMATION !

GENERAL USE & CARE

- For outdoor use only, some splashing is normal.
- Check the water level frequently to ensure the pump remains fully submerged.
- Only use water in this fountain. Distilled water will help prevent mineral buildup but is not required, avoid heavily chlorinated water as it may damage the fountain or pump.
- Periodically change the water to keep the water, fountain and pump clean. Remove scale and buildup regularly.
DO NOT use harmful additives such as bleach, chlorine, etc.
DO NOT use a pressure washer or abrasive materials to wash the fountain
- Always shut off the power supply before cleaning or maintaining the fountain and recirculating pump.
- Take care when handling the pump; only pick it up by the body of the pump, never the power cable.
- During freezing weather, drain the fountain, disconnect the pump and store all components indoors; do not allow ice to form on or freeze within any of the components.

TROUBLESHOOTING

- The solar panel must be in a location that receives full sunlight; the pump will not operate if the panel is shaded and the back-up battery power is depleted.
- Check the cables to make sure they are fully connected to the correct ports on the solar panel.
- Ensure that the pump is fully submerged in water. The pump will not run unless it is completely covered with water. Air may be trapped in the pump, gently tap the pump to release the trapped air.
- Check the pump and fountain tubing for obstructions.
- The light is designed to be 'OFF' during the day. If the light is still not 'ON' at night, ensure the cables are fully connected to the solar panel.

Any modification to the product or failure to follow recommended care will void the product warranty.