



SF021 Solar Ceramic Frog Instructions
By All Solar Central

www.allsolarcentral.com

Thank you from the entire ASC family for purchasing an ASC solar product! Please read this entire booklet before assembly.

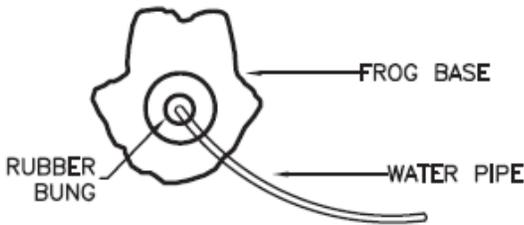
Package contents:

- 1 x Frog
- 1 x Reservoir
- 1 x Water Pipe and Rubber Bung
- 1 x Water Pump
- 1 x Solar Panel with Bracket
- 1 x Extension Tube
- 1 x Ground Spike

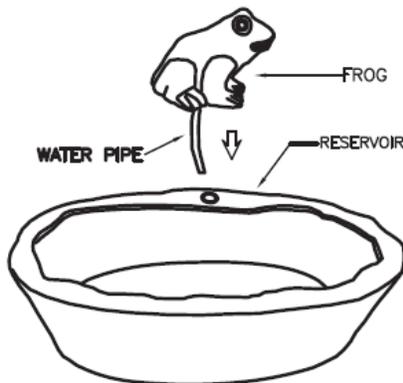
Notes: If there is any damage to the product or missing parts, please contact us at 1-626-582-8898 or www.allsolarcentral.com/contactus

Assembly Steps:

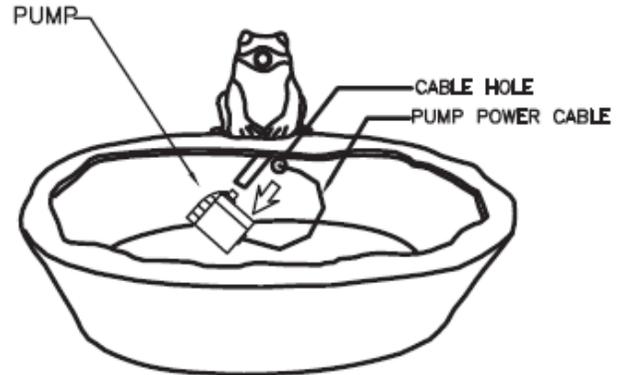
1. Attach Water Pipe to the Frog Base with a provided Rubber Bung



2. Attach the Frog onto the Reservoir. Put the pipe through the hole on top surface of the Reservoir.



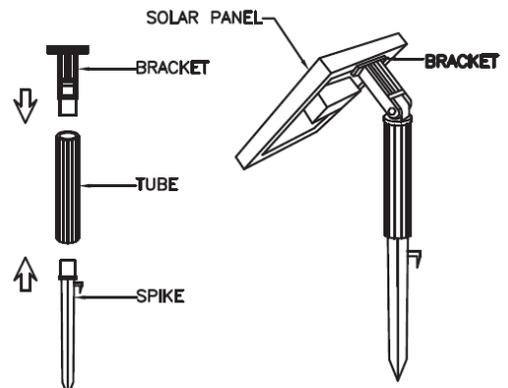
3. Attach the pump to the water pipe and exit through a hole on the back side of the Reservoir.



4. Add appropriate amount of clean water into the Reservoir and make sure the pump is fully submerged in the water.

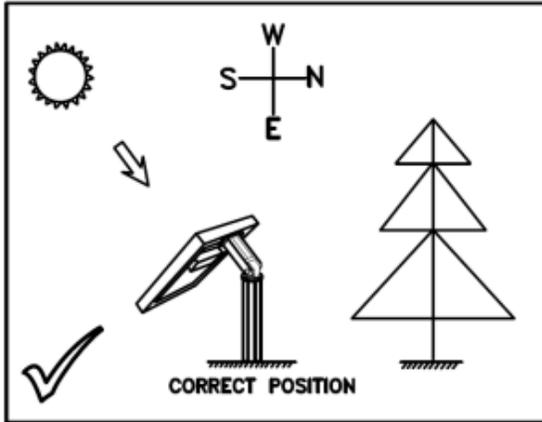


5. Connect the bracket, tubes and spike together. Then attach the solar panel to the bracket. Slide the holding bracket into the inside lip of the top half of the solar panel frame. The bracket holds the weight of the solar panel. The solar panel can be adjusted for optimal sunlight by using the wingnut. Please see the diagram.

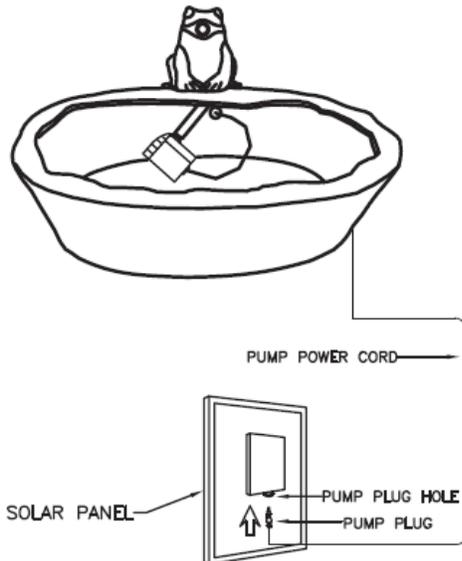


6. Insert the spike into the ground. Position the solar panel so it's facing south (in northern hemisphere) as much as possible to maximize daylight hours. It is important to angle the solar

panel to face the sun when the sun is at its highest point. Ensure the solar panel is not shaded by trees, shrubs or buildings.



7. Connect the Pump to the back side of the Solar Panel. **IMPORTANT!!** Slightly twist the connectors when connecting to make sure the rubber seals are fully in the grooves.

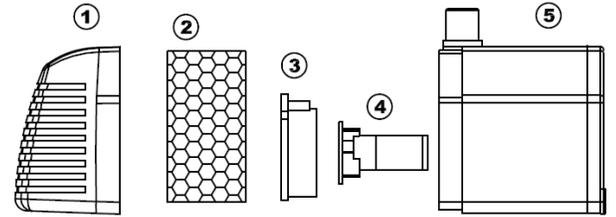


8. SOLAR PUMP FUNCTIONS

This pump runs from direct sunlight. The pumps performance is directly related to the amount and strength of sunlight received by the solar panel. This solar pump is designed primarily to operate in summer months but can also work in spring and autumn if there is direct sunlight. Notes: This model **DOES NOT** come with a battery, so the pump will only work when the solar panel is in sunlight. Please visit www.allsolarcentral.com/ for additional solar water pump kits.

9. PUMP MAINTENANCE

If you find the pump starts losing power or stops working, please clean the pump filter and impeller with clean water.



- 1 FRONT CASE
- 2 FILTER
- 3 IMPELLER COVER
- 4 IMPELLER
- 5 PUMP

10. TROUBLE SHOOTING

- Check to see if the solar panel, pump and led light are connected properly
- Check to see if the solar panel is correctly positioned facing the sun. Please ensure the solar panel is not in the shade or obstructed by trees, shrubs or a building (see step 2).
- Check water level and make sure the pump is fully submerged in water
- Check to see if the pump filter/impeller is blocked by debris
- Check to see if the fountain tubing is blocked by kinks or obstructions
- Check the pump. It may be “air locked”. Turn the pump on/off switch several times to clear any air that may have been trapped.

11. WINTER PROTECTION

Indoor storage is recommended during winter months. Normal operating temperature is between 50 and 113 °F.

Please visit www.allsolarcentral.com for more products and offers.

