

AIRMAX[®]

Spray Pattern Nozzle

INSTALLATION INSTRUCTIONS

For all EcoSeries™, PondSeries®,
LakeSeries®, and SolarSeries™ Fountain Systems



Double Arch Shown Here

Installation Instructions

Warning: Always unplug the fountain before removing the nozzle for maintenance.

Step 1

Unscrew the nozzle nut and remove the currently installed spray pattern.

If you are running the Classic pattern for the PondSeries or SolarSeries fountains, no nozzle nut or spray plate will be used.



Step 2

Prior to changing or installing nozzles, ensure that the Discharge Horn O-Ring (4" #651311/6" #653359) is located in the O-Ring groove.



Step 3

If your spray pattern requires a Flow Straightener, please skip to step 4.

Place the selected nozzle onto the Discharge Horn and tighten the nozzle nut.

Note: ONLY hand tighten the nozzle nut. Tools are not required for this operation.



Step 4

If your spray pattern requires a Flow Straightener, it will be included with the pattern.

Spray patterns that require a Flow Straightener:

- Single Arch
- Double Arch
- Double Arch & Geyser
- Blossom
- Spinning Blossom (no flow straightener necessary on EcoSeries)

Note: We recommend turning the Spinning Blossom nozzle by hand for 5-10 seconds after installing to lower the viscosity of the new bearing lubricant. This is most important on the SolarSeries fountain due to its lower startup RPMs.

The EcoSeries and PondSeries Flow Straighteners simply drop into the top of the Discharge Horn. Secure the Flow Straightener in place by placing the selected spray pattern nozzle onto the Discharge Horn and tightening the 4" nozzle nut.

The LakeSeries Flow Straightener is also inserted into the top of the Discharge Horn and is held in place by the large 6" nozzle nut. The spray pattern nozzle with 4" nozzle nut can then be secured onto the Flow Straightener.

Please Note: ONLY hand tighten the nozzle nut and nozzle. Tools are not required for this operation.

Step 5

Enjoy your newly installed spray pattern!



Spinning Blossom

MAINTENANCE KIT INSTRUCTIONS

Warning: Always unplug the fountain before removing the nozzle for maintenance.

Tools Needed:

- 5/32" Allen wrench
- 1/4" drive torque wrench (recommended)
- 5/32" x 1/4" drive Allen tip
- Airmax D-Scale (optional)
- Nitrile or latex gloves (optional)
- Safety glasses



Parts Include:

- Bearing Sleeve
- Stainless Steel Bearing



Step 1

If necessary, gently clean heavy pond debris from the nozzle before disassembling.

Step 2

Use a 5/32" Allen wrench to remove the 6 cap screws holding the top cap in place, then remove the top cap.



Step 3

Use a 5/32" Allen wrench to remove the pan head screw and washer from the bearing assembly, then carefully remove the nozzle plate.



Step 4

Remove the bearing sleeve and bearing from the nozzle plate and discard. If the nozzle has accumulated heavy scale and build up, you may need to soak or spray the parts with Airmax D-Scale to make removal of the bearing assembly easier.



Step 5

D-Scale the nozzle plate and base plate, and use a Scotch Brite pad or abrasive sponge to clean off stubborn pond debris. Rinse all parts with clean water before reassembly.



Step 6

Place the new stainless steel bearing inside the bearing sleeve with the ball bearings facing up, then place the sleeve inside the nozzle plate, making sure it seats properly. The bearing sleeve should stand about 1/16" proud of the top surface of the nozzle plate.



Step 7

Place the nozzle plate on the base plate, then reinstall the stainless washer and pan head screw to secure the bearing assembly in place. **Torque to 8-10 in. lbs.**



Step 8

Finally, place the top cap over the bearing assembly and insert the cap screws, making sure to avoid cross threading.

Note: The top cap will not seat down onto the nozzle plate completely until all screws are properly secured. Use a criss-cross pattern when tightening to seat the cap evenly.

Torque to 7-8 in. lbs.



Note: We recommend turning the Spinning Blossom nozzle by hand for 5-10 seconds after installing to lower the viscosity of the new bearing lubricant. This is most important on the SolarSeries fountain due to its lower startup RPMs.

THANK YOU FOR CHOOSING:

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