Airmax® EcoSeries™ Floating Fountain



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- Easy to Install, No Tools Required
- Asynchronous Water Cooled Motor, Silicon Carbide (SiC) Shaft Bearing and Ceramic Shaft
- Energy Efficient, Fully Sealed Motor. 5.6A, 670W @ 120V
- Stainless Steel Suction Screen & Body
- Engineering Grade Plastic Discharge & Nozzle Parts
- Operates in as Little as 24" of Water Depth
- Includes 3 Spray Patterns, Classic, Trumpet and Crown & Trumpet, Premium Nozzles Available
- Comes standard with 100' Power Cord. Available in 150', 200' and 250' Power Cord Lengths
- Included Control Panel for Fountain & Optional Light Kits
- 3 Year Warranty
- Provides aeration for ponds up to 1/4 acre, 6' deep. Larger ponds will require the addition of diffused air or multiple fountains

2. Important Safety Instructions

- Under NO circumstances should anyone enter the water with the electrical equipment plugged in and/or in operation
- WARNING - Risk of electric shock - This fountain is supplied with a grounding conductor and grounding-type attachment plug. To reduce the risk of electric shock, be certain that it is connected only to a properly grounded, grounding-type receptacle. This fountain has not been investigated for use in swimming pool areas.
- ALWAYS use a GFCI protected receptacle or breaker for this fountain.
- NEVER run the unit out of the water. It will damage the seals and create a dangerous situation for the operator.
- NEVER lift or drag the fountain by the power cord. Handles are provided for lifting and carrying.
- During freezing temperatures, remove fountain and store inside.
- If installing the fountain from a boat or raft ALWAYS wear a Life Guard approved personal flotation device.
- ALWAYS use a qualified electrician to install a power source next to your pond.

1. System Components



Control Panel



Trumpet



Crown & Trumpet



Classic

Spray Patterns



Power Cord
w/strain relief cable attachment
100', 150', 200' & 250'

Fig. 1

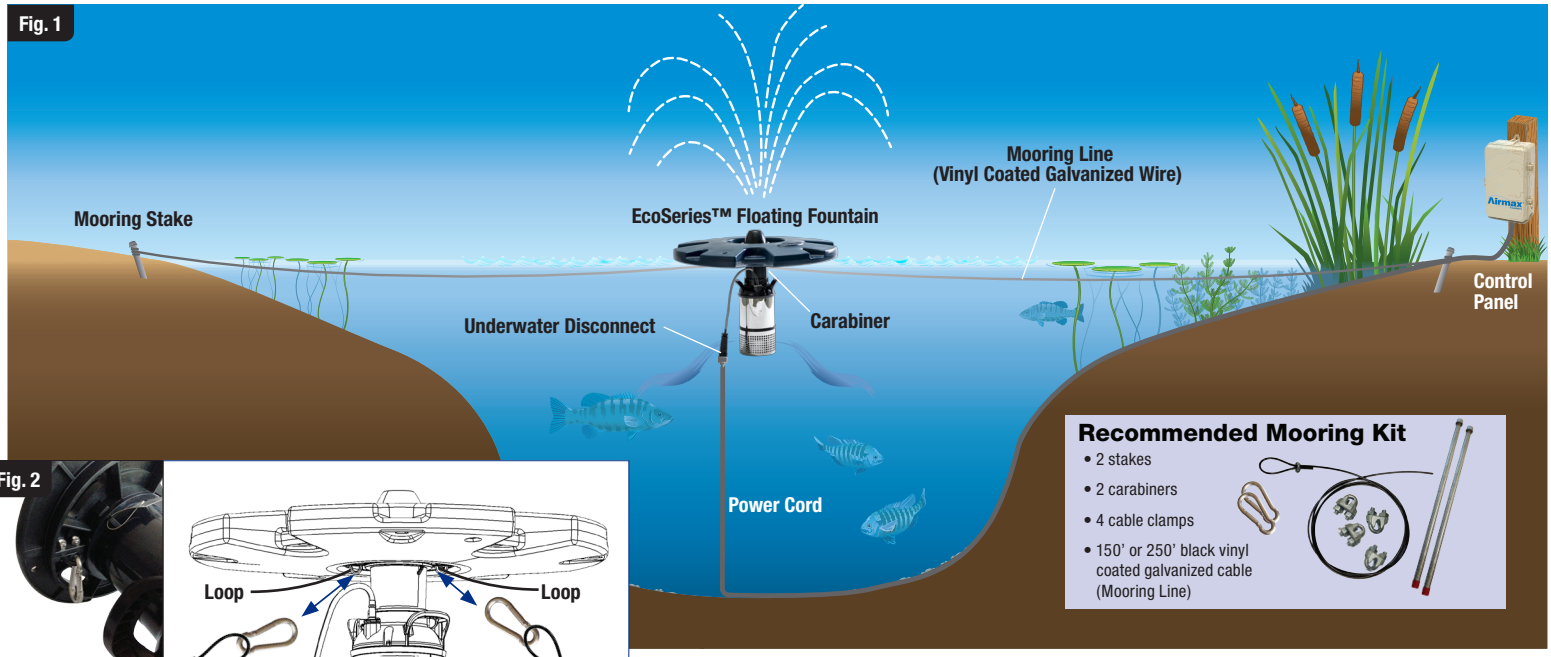


Fig. 2

A. System Components in the Box:

1. Fountain Pump with Quick Disconnect, float mount ring and Classic Spray Pattern (installed)
2. Float - Blue
3. Power Cord
4. Control Panel
5. Crown & Trumpet Spray Pattern (interchangeable)
6. Trumpet Spray Pattern (interchangeable)

Mooring Kit Options:

#651052 – 150' Mooring Kit
#651054 – 250' Mooring Kit

**** Mooring Kit Not Included with Fountain***

B. Prepping the EcoSeries™ for Installation:

1) Ensure you have power close to your pond. If you don't, we recommend to ALWAYS use a licensed electrician to properly run power down to the pond.

2) Mount the Control Panel in a fixed position next to the power source.

3) Choose Your Spray Pattern (Fig. 3)
- **a)** The EcoSeries™ comes packaged with the Classic spray pattern installed. However, the EcoSeries™ includes two additional spray patterns (Trumpet and Crown & Trumpet). Pick the one that best suits you or your special event.
- **b)** To change a pattern, simply unscrew the nozzle nut, replace the pattern and reinstall the nozzle nut.

4) Assembling the Unit (Fig. 4)
- **a)** Lay the float flat on the ground with Airmax® logo facing up.
- **b)** Place the fountain pump assembly into the center of the float.
- **c)** Lift the float straight up and ensure that the fountain pump lead power cord passes through the center hole. Gently lay the fountain to one side.
- **d)** Securely attach the power cord to the fountain pump lead quick disconnect.
- **e)** Attach the power cord strain relief to the loop underneath the float mount ring. (Fig. 2)
- **f)** Attach a mooring cable (not included) for each of the two loops underneath the float mount ring. (Fig. 2)

Fig. 3



Fig. 4



g) Installing the Airmax® LED Fountain Light Set (sold separately) (Fig. 5)

i) To attach the light, clip the light into the mounting spot on the float and use the vertical tension screw to secure the light into place. Continue until all lights are attached. Be mindful of the different lengths of interconnect cord between lights. The 2-light and 4-light set should be clipped into the inside mounting positions.

ii) After attaching the Airmax® LED Fountain Light Set to the float, connect the power cord to the light kit quick disconnect. Adjust the lights to point to desired direction.

iii) Attach the light set power cord strain relief on to one of the loops underneath the float mount ring.

h) Pick up the fountain by the float and place into the water. ***Note: a minimum of 24" of water is required for proper operation.***

i) Tie one side of the mooring rope to a stake and place the stake securely into the ground.

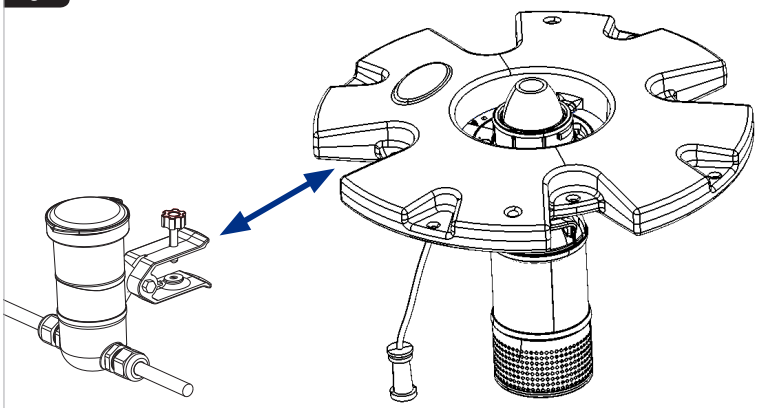
j) Take the other stake and mooring rope and walk around the pond, carefully pulling the fountain across the water. Once the fountain is in position, tie the 2nd mooring rope to the 2nd stake and place securely into the ground.

k) Ensure both mooring ropes are snug to prevent the fountain from twisting and shifting during operation.

Note

Once lights are installed and clipped into position, adjust lights for desired direction.

Fig. 5



LED Light

EcoSeries™ Floating Fountain

C. Operating the EcoSeries™ Floating Fountain for the First Time (Fig. 6)

1) Plug the Control Panel into a power source.

2) Make sure GFCI's reset button is pushed in.

3) Set timer pins to desired run cycles or 24 hours.

a) If you are using your fountain for aeration, it is recommended to run the fountain a minimum of 10-12 hours per day, although running them longer can increase the benefits.

4) Plug the EcoSeries™ Floating Fountain's power cord into the Control Panel outlet labeled "FOUNTAIN".

5) If the Airmax® LED Fountain Light Set is installed, plug the light set's power cord into the control panel outlet labeled "LIGHTS".

a) Minor angular adjustments may be needed to the lights to ensure the lights are illuminating the spray pattern properly.

b) Lights will only operate when the fountain is running and the photocell has activated the lights. ***Note: Placing your control panel in a heavily shaded area or in a dark place will activate the lights continuously when the fountain is running.***

Fig. 6



4. Maintenance & Winter Storage

A. Maintenance

1) Disconnect ALL power from the fountain and lights before attempting any maintenance.

2) Periodically clean fountain intake screen of debris, algae and/or aquatic weeds.

3) Periodically clean light set lens with a non-abrasive brush and cleaner.

4) When running the fountain in dirty water or water with high mineral deposits, clean rotor every 12 months or as needed. See the **How-To Video** at **airmaxeco.com/ecoseries**

B. Winter Removal & Storage

1) Remove the fountain and lights from the pond before ice begins to form.

2) This is the perfect time to clean or power wash any debris on the unit before storing.

3) It is recommended to disconnect lights from fountain and store in an area above freezing temperatures.

C. Spring Installation Inspection

1) Before re-installing the fountain and lights in the spring, check the condition of the power cord, quick disconnect connectors and replace any o-rings that may be cracked.

5. Troubleshooting - Fountain

IF FOUNTAIN WON'T RUN	
ISSUE	CORRECTION
GFCI Tripped	Reset GFCI
Power Cord Cut	Repair or replace power cord
Intake plugged	Clean intake
Timer not running	Verify timer is keeping time, replace timer if not
Timer trippers are not set correctly	Set on / off trippers correctly
Not enough water in reservoir	Bring water level up to at least 24" at fountain
Fountain impeller stuck	Remove fountain, clean replace impeller
Breaker tripped due to overcurrent	Reduce current load on circuit, check other equipment
Breaker tripped to GFCI	Check power cord for cuts, replace/repair

IF NOZZLE HAS POOR QUALITY STREAMS	
ISSUE	CORRECTION
Intake plugged	Clean intake
Not enough water in reservoir	Bring water level up to at least 24" at fountain
Debris caught in nozzle hole	Remove nozzle, clean, replace
Water coming over the float	Check fountain float for water, replace if any

IF FOUNTAIN STARTS AND STOPS	
ISSUE	CORRECTION
Intake plugged	Clean intake
Not enough water in reservoir	Bring water level up to at least 24" at fountain

IF STREAMS RAISE AND LOWER	
ISSUE	CORRECTION
Not enough water in reservoir	Bring water level up to at least 24" at fountain
Water coming over the float	Check fountain float for water, replace if any

IF FOUNTAIN HUMMING - RUNNING	
ISSUE	CORRECTION
Normal running	Nothing

IF FOUNTAIN HUMMING - NOT RUNNING	
ISSUE	CORRECTION
Intake plugged	Clean intake
Voltage not high enough for starting	Make sure voltage at receptacle is 120V+-5%
Fountain impeller stuck	Remove fountain, clean replace impeller
Locked rotor	Clean rotor with a scrub brush

6. Troubleshooting - LED Lights

IF ALL LIGHTS OFF	
ISSUE	CORRECTION
GFCI Tripped	Reset GFCI
Power Cord Cut	Repair or replace power cord
Water in fixtures	Contact Airmax® or local dealer for repair/replacement
Voltage not high enough for starting	Make sure voltage at receptacle is 120V+-5%
Timer not running	Verify timer is keeping time, replace timer if not
Timer trippers are not set correctly	Set on / off trippers correctly
Photocell defective	Replace photocell

IF ONE OR MORE (NOT ALL) LIGHTS OFF	
ISSUE	CORRECTION
Water in fixtures	Contact Airmax® or local dealer for repair/replacement
LED bulb driver failed	
LED Bulb failed	

IF LIGHTS FLICKER	
ISSUE	CORRECTION
Water in fixtures	Contact Airmax® or local dealer for repair/replacement
Voltage not high enough for starting	Make sure voltage at receptacle is 120V+-5%
LED bulb driver failed	Contact Airmax® or local dealer for repair/replacement

IF LIGHTS TURN ON AND OFF INTERMITTENTLY	
ISSUE	CORRECTION
Water in fixtures	Contact Airmax® or local dealer for repair/replacement
Photocell defective	Replace photocell
LED bulb driver failed	Contact Airmax® or local dealer for repair/replacement

IF LIGHTS DIM	
ISSUE	CORRECTION
Voltage not high enough for starting	Make sure voltage at receptacle is 120V+-5%
Lens might be dirty	Clean with a non-abrasive brush or cleaner

IF ONE OR MORE (NOT ALL) LIGHTS DIM	
ISSUE	CORRECTION
Water in fixtures	Contact Airmax® or local dealer for repair/replacement
Photocell defective	Replace photocell
LED bulb driver failed	Contact Airmax® or local dealer for repair/replacement

Fountain Replacement Parts

1. #651310 – Nozzle Nut

Spray Pattern

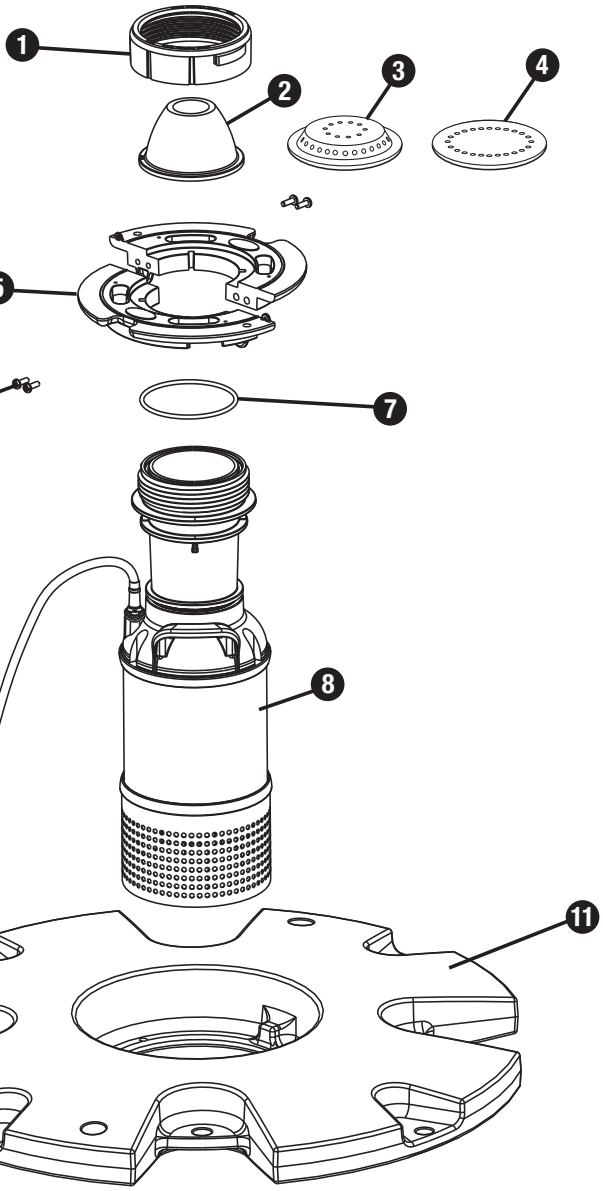
2. #651721 – Classic Pattern (4185)
3. #651703 – Crown & Trumpet Pattern (1037-iB)
4. #651708 – Trumpet Pattern (1009-C)

5. #651324 – Float Mount Half Ring
6. #651160 – Float Mount Ring Bolt, ¼ - 20 x ¾"
7. #651311 – Discharge Horn O-Ring
8. #651714 – ½ HP Pump Motor w/Quick Disconnect & Discharge Horn, 120V
9. #651163 – Female End Cap, O-Ring
10. #651357 – Power Cord End Cap, Female
11. #651500 – Float
12. #651715 – Control Panel

13. Power Cord Options

#651378 – 100 feet, 16/3
#651379 – 150 feet, 14/3
#651380 – 200 feet, 14/3
#651415 – 250 feet, 12/3

14. #651356 – Power Cord End Cap, Male
15. #651060 – Strain Relief (16, 14 gauge)
#651061 – Strain Relief (12 gauge)







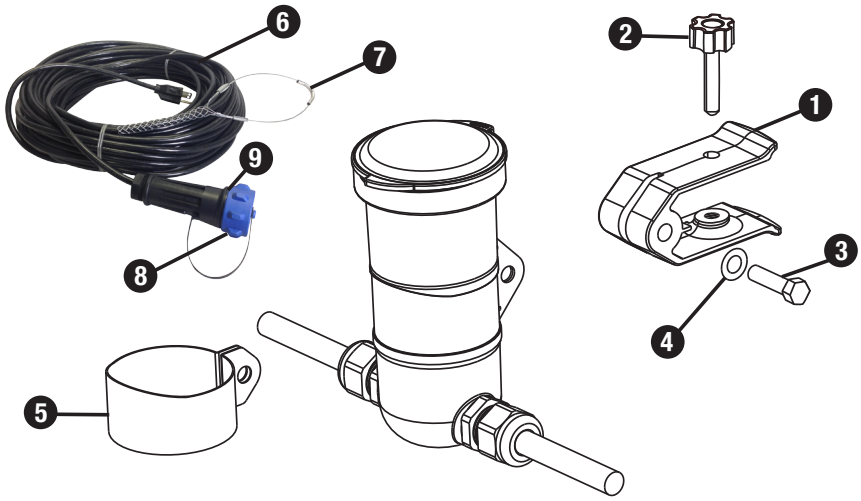
LED Light Replacement Parts

1. #651307 – Mounting Clamp
2. #651325 – Tension Screw, ¼ - 20 x 1 ¼"
3. #651722 – Bolt, ¼ - 20 x 1 ¼"
4. #651723 – Washer, ¼"
5. #651308 – Band Clamp

6. Power Cord Options

#652646 – 100 feet, 16/3
#652647 – 150 feet, 16/3
#652648 – 200 feet, 16/3
#652649 – 250 feet, 16/3

7. #651060 – Strain Relief (16 gauge)
8. #651357 – Power Cord End Cap, Female
9. #651163 – Female End Cap, O-Ring



Notes

Call your local Airmax® Dealer with questions or to order parts.

Airmax®, Inc.

Airmax® EcoSeries™ Fountain

Limited Warranty

Airmax®, Inc. warrants to the original purchaser (the end user) of any Airmax® EcoSeries™ Fountain manufactured by Airmax®, Inc. that any component which proves to be defective in materials or workmanship, as determined by the factory within 3 years from the original purchased date, will be repaired or replaced at no charge with a new or remanufactured part, and returned freight prepaid. The end user shall assume all the responsibility and expense for removal, packaging, and freight to ship to Airmax®, Inc. to determine the warranty claim and for all reinstallation expenses.

The warranty is void in cases where damage results from: improper installation, improper electrical connection, improper voltage, alteration, lightning, careless handling, misuse, abuse, disassembly of motor or failure to follow maintenance or operating instructions. Modification or repair by an unauthorized repair facility will void the warranty.

In no case will Airmax®, Inc. or its dealers accept responsibility for any costs incurred by the user during installation, removal, inspection, evaluation, repair, parts replacement, or for return freight. Nor will any liability be accepted for loss of use, loss of profits, loss of goodwill, for consequential damage, or for personal injuries to the purchaser or any person.

In the event of problems believed to be covered under warranty, it will be necessary to notify the dealer who will try to help resolve the problem and who may contact the factory for additional assistance. If it is concluded that there may be a defect which may be covered under warranty, it will be necessary to get a Return Material Authorization (RMA) from the dealer before shipment. Freight collect shipments will not be accepted by the factory on warranties or repairs.

The product or part(s) must be returned freight prepaid, to the factory, as directed, and in its original packaging or in a container which will prevent damage. Parts returned under warranty and damaged during shipping will not be covered under warranty for the shipping damage. If the factory evaluation of the returned goods concludes that the failure is due to defects in materials or workmanship, the part or parts in question will be replaced under warranty with new parts, remanufactured parts, or will be repaired; at the factory's option. The warranty period for all parts supplied under warranty will terminate at the end of the original product's warranty. All warranty shipments from the factory will be shipped freight prepaid.

Warranty registration is HIGHLY recommended.

No implied warranties of any kind are made by Airmax®, Inc. for its products, and no other warranties, whether expressed or implied, including implied warranties of merchantability and fitness for a particular purpose, shall apply. Should an Airmax®, Inc. product prove to be defective in materials or workmanship, the retail purchaser's sole remedy shall be repair or replacement of the product as expressly provided above.

The manufacturer's warranty will begin from the dealer's original purchase date if the product is not registered. To register a product, you are required to fill out the warranty registration form at airmaxeco.com/warranty. Warranty registration must be submitted directly to Airmax® within 30 days of the end-users purchase date.

Optional Single Arch Pattern



Optional Double Arch and Geyser Pattern



Optional Double Arch Pattern

For Information on Optional Spray Patterns,
Visit Us Online at **airmaxeco.com/ecoseries**

Airmax® Inc.

Safe, Simple Solutions™

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