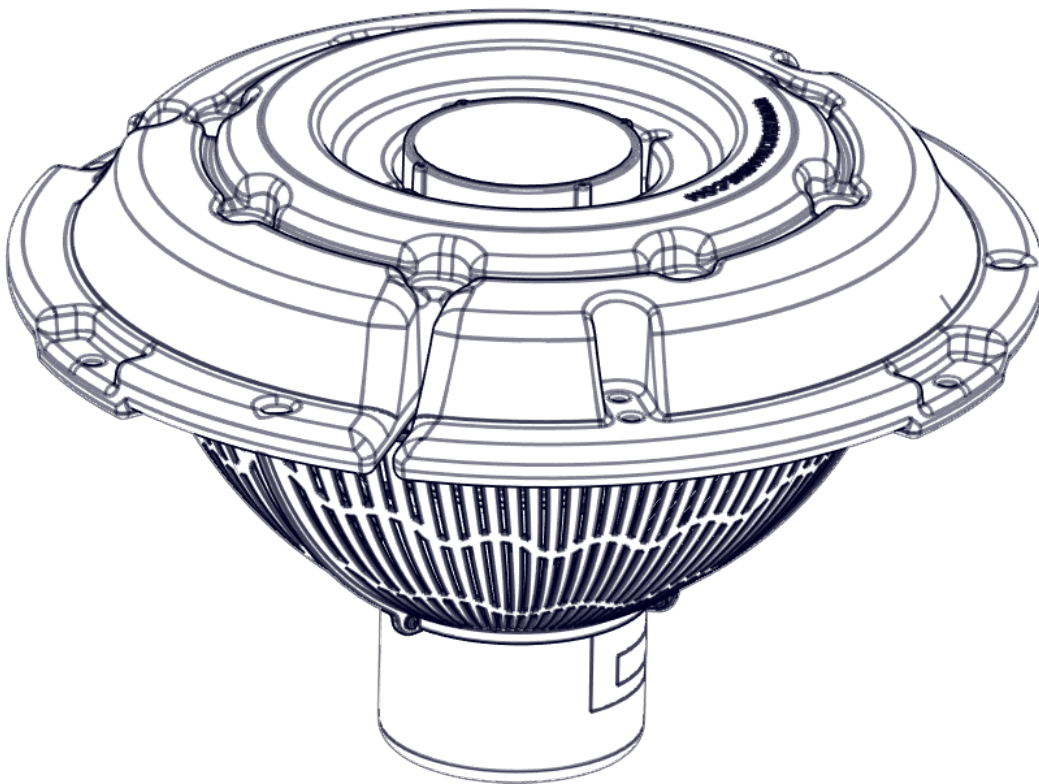




VFX Decorative Aerator

2400VFX, 3400VFX, 3400HVFX, 4400VFX, 4400HVFX

Operation & Maintenance Manual



Intertek

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GENERAL INSTRUCTIONS

INSPECT THE SHIPMENT: Immediately inspect your Kasco Aerator shipment for any visible damages. Also cross-reference the parts supplied with the Parts Included sheet to check for shortages. Shortages should be reported immediately to your Kasco Marine distributor or representative and damages reported to your carrier and Kasco Marine.

ASSEMBLY & INSTALLATION: Please see the proper Assembly and Installation Instructions enclosed in this manual. Each is specific for your model and size of aerator.

- Use a nylon tie to help keep the power cords for the unit and lights free of the propeller by tying each cord to either side of the float. If you have a light kit, make sure that the unit cord is tied to one side of the float and the light cord to the other for balance.
- It is extremely important to test the GFI breaker in the control panel upon each installation/re-installation of the unit to ensure proper functioning.

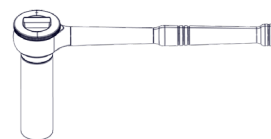
USE AND OPERATION: Kasco aerators are designed and engineered for continuous duty, such as on fish farms or other aquaculture applications, or on-demand use, as needed in a recreational water feature. During flotation operation, the water is pulled from 360 degrees around the unit and from below the unit. The water is pulled upward and thrust through the flotation collar into the air. Your Kasco Marine aerator is ready for immediate use (after installation). Make sure to keep the motor housing clean from hard water deposits and/or algae. (See Maintenance Recommendations.) It is extremely important that proper and sufficient voltage is supplied to the aerator motor. Unit should be protected by a GFCI. Control panels must be installed by a qualified electrician. (See Installation instructions).

TOOLS AND SUPPLIES NEEDED

- 7/16" socket and ratchet
- 7/16" wrench
- 11/32" wrench (for #8 fasteners)



7/16" combination wrench
11/32" wrench



7/16" socket



This Kasco product is the result of years of innovation, and we are confident that you will be impressed with its quality and performance. If you have any questions about assembly, installation, or maintenance, please reach out to our friendly and knowledgeable customer care team. Thank you for trusting Kasco.

715.262.4488

www.kascomarine.com

sales@kascomarine.com

IMPORTANT SAFETY

- Please read and follow these important instructions to help ensure your safety and the quality performance of your Kasco equipment.
- Use caution when dealing with any electrical and/or moving equipment.
- Under NO CIRCUMSTANCE should anyone enter the water with the electrical equipment plugged in and/or in operation.
- Kasco Aerating Fountains are intended for use with a Listed control panel having a GFCI protected receptacle, or field wiring terminals and disconnect switch, or a timer with a disconnect for use with a GFCI receptacle. Control panels MUST be installed by a qualified electrician. Ground Fault Circuit Interrupters (GFCIs) should be tested upon each installation and every month thereafter to ensure proper operation.
- Single-phase units are supplied with an internal grounding conductor and/or a grounding-type attachment plug. To reduce the risk of electrical shock, be certain the unit is properly connected to the Kasco-supplied control panel (refer to the instructions included with your control panel).
- NEVER run the unit out of the water. This will damage the seals and create a dangerous situation for the operator.
- Use extreme caution around water, especially cold water, as in spring, fall, and winter, which poses a hazard in and of itself.
- NEVER lift or drag the equipment by the power cords. If you need to pull the unit to the side of the pond, use the anchoring ropes.
- Do not use boats that tip easily for installation and follow all boating safety rules and regulations, including wearing a PFD (Personal Flotation Device).
- Do not use waders in deep ponds/lakes or ponds/lakes with drop-offs, drastic slopes, or soft bottom material.
- Control panels must be installed by a qualified electrician.
- For more information regarding your control panel instructions, refer to your control panel owner's manual. A control panel must be installed a minimum of 5 feet (3m in Canada) from the body of water unless separated from the body of water by a fence, wall, or other permanent barrier that will make the unit inaccessible to persons in the water. A complete list of control panels can be found in the [Accessories](#) section of kascomarine.com.

Additional Notes

During flotation operation, water is pulled from 360° around and directly below the unit. Keep these areas clear of debris as much as possible to decrease frequency of screen cleaning.

UNIT SPECS & PATTERN SIZE

Model	Pattern Size		Voltage	Operating Amps	Locked-Rotor Amps	Control Panel Connection	Unit Connection
	Height	Width	Single-Phase Units				
2400VFX	5 ft.	15 ft.	110-120	5.6	12	C-25 plug in	Plug into C-25
3400VFX	5.5 ft.	21 ft.	110-120	7.3	18	C-25 plug in	Plug into C-25
3400HVFX	5.5 ft.	21 ft.	208-240	3.7	9	Hardwire C-85	Plug into or hardwire C-85
4400VFX	8 ft.	26 ft.	110-120	11.3	40	C-25 plug in	Plug into C-25
4400HVFX	8 ft.	26 ft.	208-240	5.7	20	Hardwire C-85	Plug into or hardwire C-85

PARTS INCLUDED

ID	Description	Qty	Part #
1	Aerator	1	N/A
2	Float	1	242001
3	1/4"-20 x 3-1/2" Phillips pan head screw	4	251210
4	1/4" split washers	7	840537
5	1/4" (3/4" OD) flat washer	10	251300
6	1/4"-20 x 1-3/4" hex head screw	3	475630
7	Bottom screen section	3	361540
8	1/4"-20 nut	3	840536
9	#8 nut	6	771034
10	#8 flat washer	12	361543
11	#8 lock washer	6	771033
12	#8 x 3/4" screw	6	361545
13	Mooring ropes (not pictured)	2	990700
14	Cable ties (not pictured)	9	415038

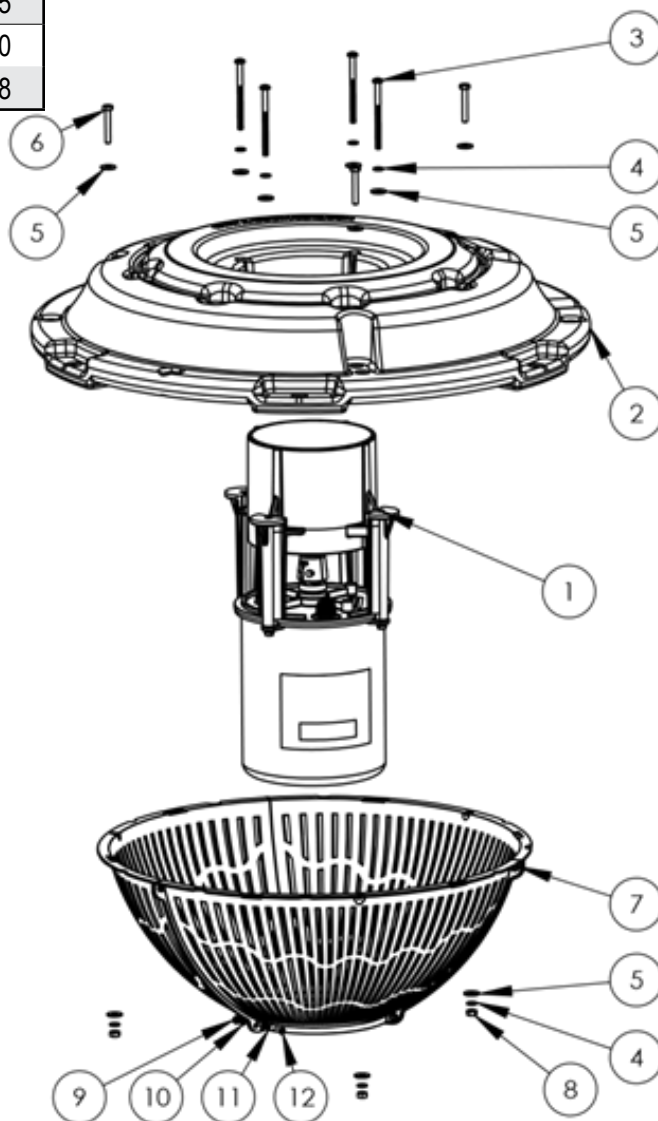
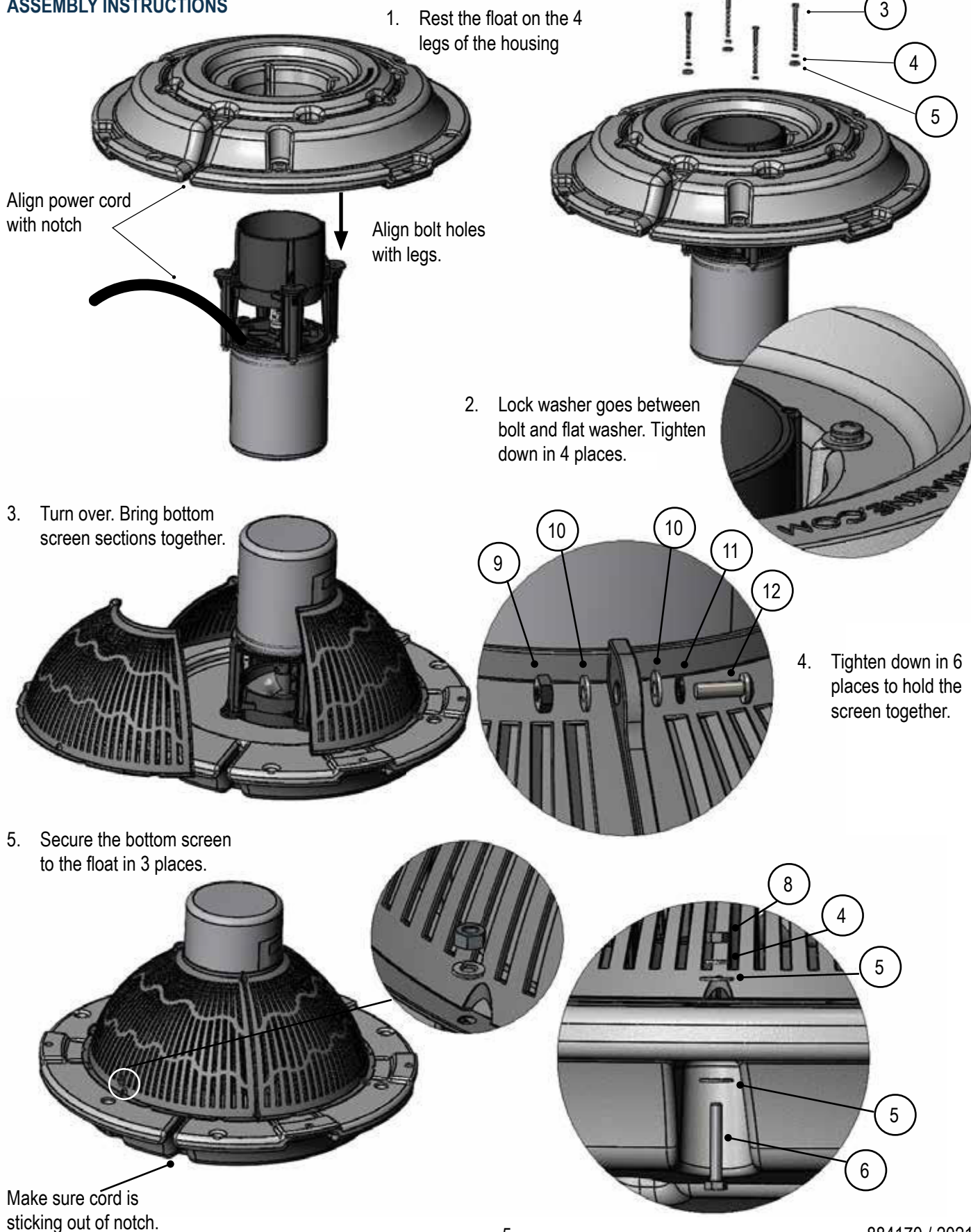
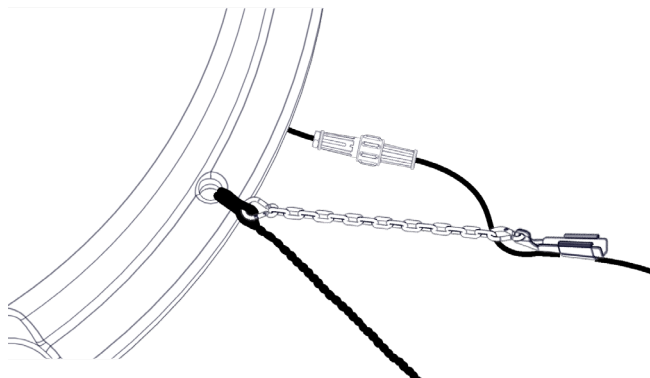


Fig. 1

ASSEMBLY INSTRUCTIONS



Cord Strain Relief

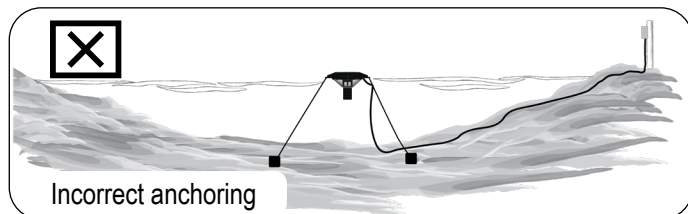
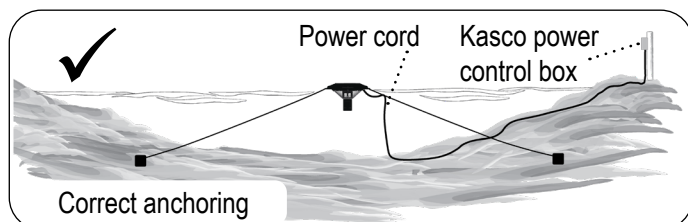


Providing strain relief on the cord helps ensure that its weight and any strain placed on it in the water will not cause the float to tilt or cause damage to the unit.

If your Kasco cord comes with a strain relief kit attached, attach the available link to the float-side knot in the mooring rope, as pictured here.

UNIT INSTALLATION INSTRUCTIONS

Use ropes to position the fountain in the desired location in the pond or lake. Anchor the ropes or secure them to the shoreline so that they are free of slack, but not tight. To prevent twisting of the unit due to motor torque, place the anchor at least 3 feet from the float for each foot of depth (Ex. a 6ft deep pond would require an anchor 18ft horizontally from the float).

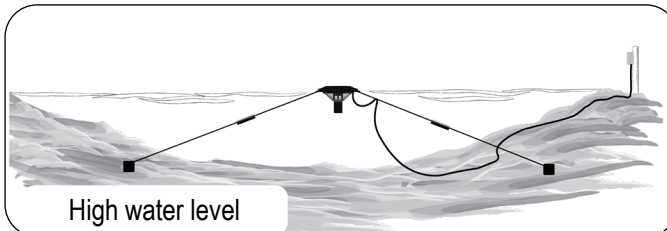
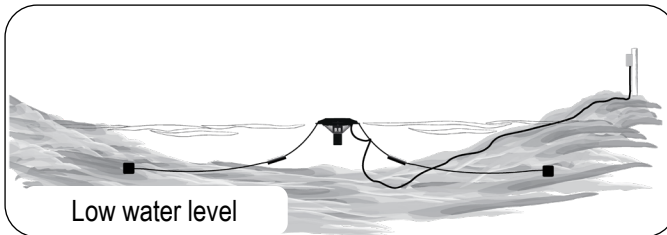
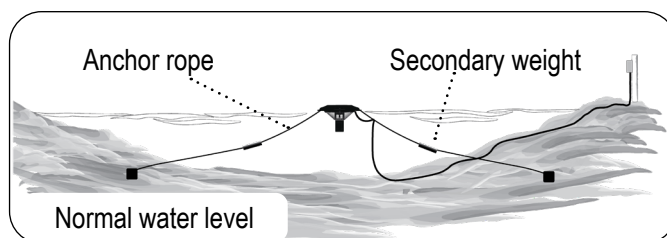


After unit is installed in the water, connect the power cord to a properly installed Kasco control panel (C-85, C-95, etc.) with built-in ground fault protection according to the instructions and electrical schematics included with the panel. **Follow all local and national electrical codes for unit and control panel installation; consult a qualified electrician or service person if needed.**

The fountain is ready to be turned on and enjoyed.

Alternate Installation:

In ponds where the water level fluctuates significantly, a small weight may need to be suspended at the midpoint of the rope to take up any slack caused by a drop in water level (1 foot of 1" galvanized pipe works well). The weight should be light enough so that the fountain can rise as the water level rises. This weight can also help hide the anchoring ropes by sinking them further below the surface.



CONTROL PANEL INSTALLATION

1. Inspect the panel for any damage and any components that may have loosened during shipping. Control panel must be installed a minimum of 5ft (3m in Canada) from the inside wall of the pond, unless separated from the body of water by a fence, wall, or other permanent barrier that will make the unit inaccessible to persons in the water. Install the control panel to a post structure, side of a building, or other reliable means. This structure must support the panel and prevent movement/flexing of the panel. Use #10 x 1" or longer screws in the mounting points of the control panel to secure to the post structure. NOTE: The control panel must be hung upright to be waterproof. It is also advised to mount the panel out of direct sunlight if possible by mounting the panel in a North direction. Also, mount the panel above the potential flood plain to prevent water entry during a possible flood event.
2. Set timer in the control panel to desired ON and OFF times per the instructions for each specific timer.
3. Follow all local and national electrical codes for this installation and consult a qualified electrician or service person if needed.
 - (For 120V Installations) Plug the aerator cord into the C-25 outlet labeled "UNIT". If lights are included, plug the transformer cord into the C-25 outlet labeled "LIGHT". Now you are ready to plug the C-25 into the 120V power supply on the post and ENJOY YOUR NEW KASCO AERATOR!
 - (For 240V Installations–3400H, 4400H) All electrical connections to this panel must be made with proper strain relief cord grip fittings or with conduit connections as required by local and national electric codes. The bottom of the enclosure is reserved for field installation of these connections.
 - C85 / C95 non-metallic control panel: Incoming power connection: (Power feed) This control panel requires a 240V or 208V -4 wire service (L1, L2, N, & G) and must be fed with a power circuit protected by a circuit breaker or a fused disconnect switch to provide circuit protection and a disconnection means. C-85 panel requires at least a 30amp protected circuit feeding the panel. C-95 panel requires at least a 40-amp protected circuit feeding the panel. Connect your power feed as detailed in the wiring diagram provided with this panel. L1 connects to Terminal #1, L2 connects to Terminal #2, N connects to Terminal N, G connects to Terminal GROUND -located on chassis plate. Be sure to provide adequately sized power conductors to prevent excessive voltage drop. Consult with your electrician to properly size power feed conductors. Use copper conductors only. Aerator power cord connection: Your aerator (pump) will be provided with a flexible power cord for connection to this control panel. If the power cord has a plug, you will need to cut it off. The power cord conductors (black, white, green) will need to be stripped back 1/2". The outer black jacket should be stripped back at least 3 inches. Follow the connection diagram for terminating these three wires to the terminal blocks in the control panel. Black connects to Terminal #4, White connects to Terminal #5, Green connects to Terminal G.
 - This control panel requires a hardwire connection for the light kit(s). To connect the light kit(s), you will need to cut off the power cord plug that is molded to the light kit power cord. Strip back the black outer jacket of the light kit power cord at least 3inches to reveal the three internal wires of the power cord. (Black, white, and green conductors). These three wires will need to be stripped back 1/2". Follow the connection diagram for terminating these three wires to the terminal blocks in the control panel. Light kit connections: Black connects to Terminal #6, White connects to Terminal #7, Green connects to Terminal G.
4. Test the GFCB with the test button now and every 30 days. Lights can now be installed per Instructions included with the lights. Once completed, power can be restored to the panel. Record the following data while the Aerator is operating in the water under load:

L1-L2 _____ Volts
 L1-N _____ Volts
 L2-N _____ Volts

L1 _____ Amps
 L2 _____ Amps

Date installed:

____ / ____ / ____

Any unauthorized modifications to this control panel will void the UL listing and the Kasco warranty.

C-25 TIMER CONTROL INSTRUCTIONS

Portable Timer with Ground Fault Interrupter

IMPORTANT

This portable timer is designed for CONTROLLING the connected equipment only. Unplug timer before servicing the unit or the equipment it controls. For maximum protection against electrical shock hazard, perform test procedure on GFCI at least once a month. Mount at least 5 ft. from open water.

GFCI TEST PROCEDURE

The GFCI should be checked every month to make sure that it is operating properly. Just follow the simple instructions below. It is recommended to maintain a maintenance diary of your monthly safety check.

1. Push TEST button, RESET button should pop out from inner surface. This should result in power being OFF at the outlet protected by the GFCI. Verify by plugging a test lamp into the outlet. Be sure the timer is in the ON position.
2. If the GFCI tests okay, restore power by pushing the RESET button back in. THE RESET BUTTON MUST BE PUSHED FIRMLY AND FULLY INTO PLACE UNTIL IT LOCKS AND REMAINS DEPRESSED AFTER PRESSURE HAS BEEN REMOVED.

DANGER: IF RESET BUTTON DOES NOT POP OUT, IF TEST LAMP REMAINS LIT WHEN RESET BUTTON DOES POP OUT, OR IF THE GFCI FAILS TO RESET PROPERLY, DO NOT USE TIMER! CONTACT A QUALIFIED SERVICE TECHNICIAN!

Failure to use the C-25 with Kasco Fountains will void the warranty and cause the Fountain to not be listed to UL and CSA standards via ETL.

**UNDER NO CIRCUMSTANCES SHOULD ANYONE ENTER THE WATER
WHEN A UNIT IS IN OPERATION!**

TIMER-OPERATION INSTRUCTIONS

C-25 Control Box will turn the aerator/fountain ON & OFF with the TIMER. Kasco lights will turn ON with the PHOTO EYE and OFF with TIMER. C-25 Control Box is to be used with Kasco Approved Lights ONLY!

- See Control panel label for instructions to set the timer
- Plug aerator/fountain cord into the RIGHT hand outlet (labeled UNIT).
- Plug transformer light cord into LEFT hand outlet (labeled LIGHT).

C85 / C95 NON-METALLIC CONTROL PANEL TIMER

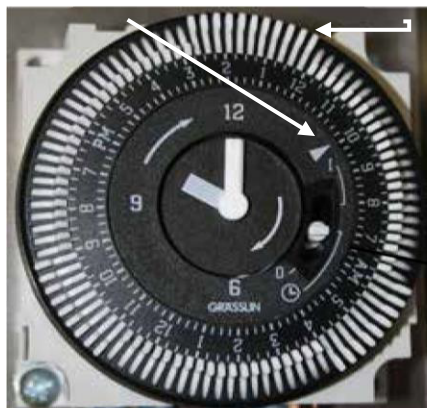
TIME CLOCK SETTING To set the current time, turn the inner dial clockwise. Do not set the time by rotating “outer” dial. Turn the minute hand or small plastic inner dial clockwise until the time of day on the outer dial is aligned with the triangle marker on the inner dial (two o’clock position). Example for 10:00 AM: Turn the minute hand clockwise until 10:00 AM is aligned with the triangle on the inner dial. The hour and the minute dial will show exactly 10:00.

PROGRAMMING The 24-hour dial has quarter-hour divisions and AM/PM indications. The time switch is programmed by pushing the captive trippers to the outer ring position for the entire period that the aerator is to be turned “ON,” i.e. 15min for each tripper on the 24-hour dial. When the tripper is pushed to the inside, the switch is in the “OFF” position.

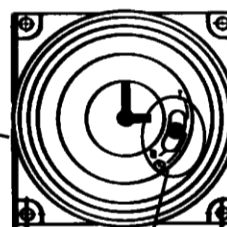
PROGRAMMING WITH MANUAL OVERRIDE SWITCH Your timer may have a 3-way manual switch or a 2-way manual switch.

- **AUTOMATIC MODE:** In order to operate the time clock in the automatic mode, the manual switch must be in the automatic position-see diagram.
- **MANUAL MODE:** For the 3-way switch, with the manual override switch in the lower position, marked “O”, the time clock output will remain permanently OFF. In the upper position, marked “I”, the time clock output will remain permanently ON. For the 2-way switch, with the manual override switch in the lower position, marked “ON,” the time clock output will remain permanently ON.

Triangle marker



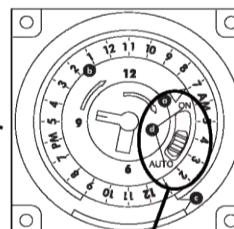
Captive trippers (in the ON position)



Override Mode

3-way manual
override switch

I = permanent ON
⌚ = automatic
O = permanent OFF

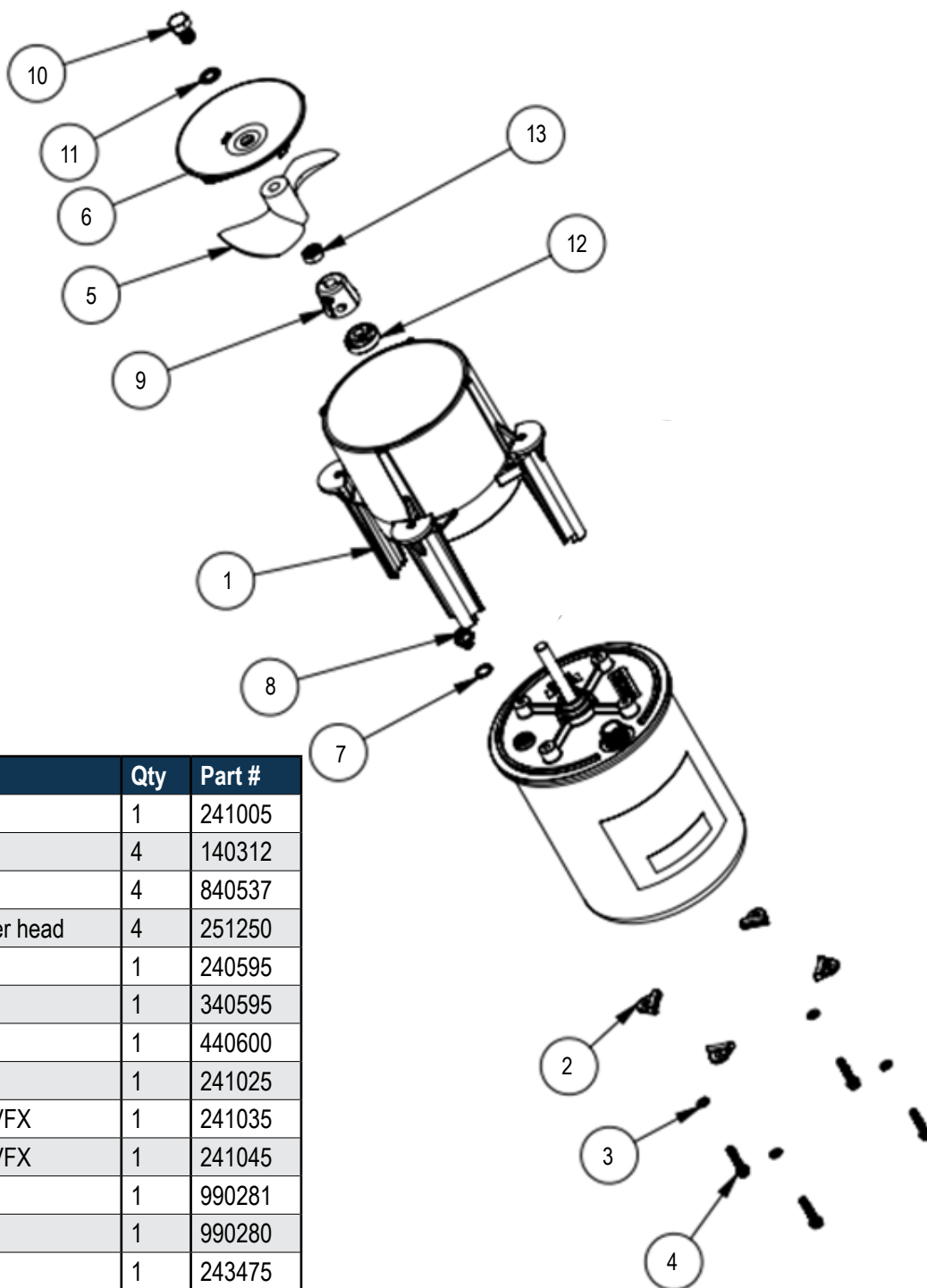


Override Mode

2-way manual
override switch

ON - Permanently ON
AUTO - automatic

REPLACEMENT PARTS



ID	Description	Qty	Part #
1	V tube with legs	1	241005
2	Retaining clip	4	140312
3	Lock washer, 1/4"	4	840537
4	#14 x 1-1/4" long hex washer head	4	251250
5A	Prop, 2400VFX	1	240595
5B	Prop, 3400VFX, 3400HVFX	1	340595
5C	Prop, 4400VFX, 4400HVFX	1	440600
6A	Top disk, 2400VFX	1	241025
6B	Top disk, 3400VFX, 3400HVFX	1	241035
6C	Top disk, 4400VFX, 4400HVFX	1	241045
7	O-ring	1	990281
8	Sealing plug	1	990280
9	Zinc, assembly	1	243475
10	1/2"-20 x 3/4" long hex head bolt	1	243405
11	Washer, 1/2" bronze internal tooth lock	1	241024
12	Debris flinger, .500 diameter shaft	1	990410
13	1/2"-20 jam nut	1	342058

MAINTENANCE RECOMMENDATIONS

Under NO CIRCUMSTANCE should anyone enter the water while a fountain is operating.

The following maintenance procedures can be utilized to ensure many years of quality performance from your Kasco equipment and reduce the need for more costly repair work.

PROPER INSTALLATION: Proper installation of Kasco equipment will include a power source with ground fault protection. The control panel included with the equipment has built-in ground fault protection for both the fountain and the lighting kit. Ground fault interrupters are a safety feature that can also alert you to electrical leaks in the equipment. It is extremely important to test the GFI upon installation and every month thereafter to ensure proper operation. If you have repeat, consistent trips of the ground fault device, the equipment should be disconnected and removed from the water. The power cord should be inspected for damage, and you should contact your distributor or contact Kasco Marine at 715-262-4488 or sales@kascomarine.com for further instructions. A complete list of control panels can be found in the Accessories section of kascomarine.com.

OBSERVATION: Operating equipment should be observed on a regular basis (daily, if possible) for any reduction or variation in performance. If a change in performance is observed, the equipment should be disconnected from power and inspected.

WINTER STORAGE: In regions where there is significant freezing in the wintertime, the equipment should be removed from the water to protect it from the expansion pressure of ice. Aerators may keep some amount of ice open, but when water is thrust into the air it can make the existing ice thicker. Storage over winter is best in a location that is out of the sun and cool, but above 32° F. Store unit upside down if it will sit for a long period of time to ensure continued oil lubrication of seals; units that sit upright for many months or years have a greater likelihood of seals drying out.

CLEANING: Aerators should be removed from the water at least once per year (at the end of the season in cold climates) to clean the exterior of the system, especially the stainless-steel motor housing (can) that dissipates heat into the water. Any algae, calcium, or other build-up will become an insulator that blocks heat transfer and may lead to overheating and damage. In warmer regions, the unit should be removed and cleaned at least 2 – 3 times per year. In most cases, a power washer is sufficient if the unit and algae are still wet.

SEAL AND OIL REPLACEMENT: This is a sealed motor assembly, and seals will wear out over time (similar to brake pads on a car). Replacement of the seals and a change of oil after three years may add longevity to the operation of the motor, saving you the cost of more expensive repairs. In warmer climates where the aerator runs for a majority of the year or greater, it is wise to replace seals more often.

ZINC ANODE: A sacrificial zinc anode is supplied on the shaft of all VFX Model aerators for protection from corrosion and electrolysis. The zinc anode should be updated/replaced if reduced to half the original size or if white in color. Corrosion from electrolysis is more commonly associated with saltwater or brackish water, but as a matter of precaution, it is important to periodically check the zinc anode in all installations (at least every two to three months).

Seal replacement and all other repair services should be performed by Kasco Marine or a Kasco-trained Authorized Repair Center. Any alterations or changes made to Kasco units by an unauthorized source will void the warranty. This includes tampering with the unit, power cord, and/or control panel. Contact Kasco Marine at 715-262-4488 or sales@kascomarine.com for additional information and your closest Authorized Repair Center.

WARRANTY

Warranty period:

2400VFX, 3400VFX, 3400HVFX, 4400VFX, 4400HVFX = 2-year Limited Warranty

8400VFX, 2.3VFX 2.3HVFX, 5.1VFX, 5.3VFX, 5.3HVFX = 3-year Limited Warranty

Kasco® Marine, Inc. warrants this aerator to be free from defects in material or workmanship under normal use and service (excluding ropes, power cord, and propeller). The Kasco Marine, Inc. obligation under this warranty is limited to replacing or repairing free of charge any defective part within the warranty period from the date of shipment. Customer shall pay shipping charges for returning the unit to Kasco or an Authorized Repair Center.

THIS WARRANTY IS IN LIEU OF ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, AND ANY OTHER OBLIGATION OR LIABILITY WHATEVER ON THE PART OF KASCO MARINE, INC. AND IN NO EVENT SHALL KASCO MARINE, INC. BE LIABLE FOR ANY SPECIAL OR CONSEQUENTIAL DAMAGES.

Warranty is void if:

- The equipment is not maintained properly according to the Maintenance Recommendations supplied in this Owner's Manual.
- The equipment is returned for repair without the power cord
- The unit, control panel, or power cord are altered in any way from original shipment. Cuts in the power cord are not covered under warranty.
- The equipment is damaged by unauthorized tampering.
- The sacrificial zinc anode around the motor shaft shows significant deterioration (not maintained according to Recommendations supplied in this Owner's Manual)

Warranty Claim Procedure: The best method for establishing warranty period is by keeping your original receipt and registering the equipment online at kascomarine.com under the [Warranty Information](#) section.

Once warranty coverage has been established, the unit may be sent to Kasco Marine or any Kasco Authorized Repair Center for evaluation and repair. See Repair section for more information regarding warranty repair procedure.

REPAIR

Note: Only complete motor assemblies will be accepted for warranty repair. The power cord and all other components must be returned with the motor as originally assembled. Any missing parts will be replaced at the customer's expense and, if determined to have caused the failure, could void the entire warranty. Some parts are essential for structural support during shipping and others, such as the power cord, are essential to properly diagnose potential causes of failure. It is not necessary to return the control panel or float with the unit assembly.

Any required repairs must be performed by Kasco Marine. Any alterations or changes made to Kasco units by an unauthorized source will void the warranty. This includes tampering with the unit, power cord, and/or control panel.

A physical Kasco Repair Form must be included with any equipment sent to Kasco or an Authorized Repair Center. This form can be found under the Product Support section of kascomarine.com. If no Repair Form is available, include your name and physical address for return delivery of the repaired unit and a daytime phone number and/or e-mail address for correspondence regarding the warranty claim.

Once warranty coverage has been established, the equipment may be sent to any Kasco Authorized Repair Center or to Kasco at this address:

Shipping Address:

Kasco Marine, Inc.
800 Deere Rd.
Prescott, WI 54021
Attn: Repairs

NON-WARRANTY REPAIRS

Most failed equipment can be repaired at substantially lower costs than replacement with new. If your aerator requires repair and is no longer covered under warranty, please contact Kasco Marine or your local distributor for available options. Please ship according to the instructions on the previous provided.

- Kasco Marine does estimates on repairs at the request of the customer. The request for estimate should be included in the letter that accompanies the returned unit and must include a daytime phone number and/or e-mail address. We will contact the customer with a total after the unit has been evaluated but before the work is performed.
- All estimates that are rejected for repair will be destroyed unless otherwise directed by the customer. Rejected equipment can be returned at the customer's expense for shipping and handling charges.

Billing: All non-warranty repairs will be returned and billed to the customer unless otherwise directed. Kasco Marine accepts Visa and MasterCard credit card payments. Kasco Marine will call for credit card information upon completion of the estimate at the customer's request.

Please see the [Product Support](#) section of kascomarine.com for more information about warranty and repairs. Contact Kasco Marine at 715-262-4488 or sales@kascomarine.com for additional information and your closest Authorized Repair Center.

Contact Us

Kasco Marine
800 Deere Road
Prescott, WI 54021

Phone: 715-262-4488
Fax: 715-262-4487
www.kascomarine.com
sales@kascomarine.com

TROUBLESHOOTING TIPS

The following is provided to help diagnose a probable source of trouble. It is a guideline only and may not show all causes for all problems. For additional troubleshooting help, contact your local distributor or visit kascomarine.com for additional guidance.

Note: you may need to refer to your owner's manual that was provided with your control panel for additional control panel settings and adjustments.

"My Aerator trips the ground fault interrupter in the C-25, C-85, or C-95."

This is the most common symptom of several possible problems. To correctly diagnose the problem, you will need to collect more information. A Ground Fault Interrupter (GFI) breaker that trips can indicate an electrical service problem, water contamination in the unit and/or cord, bad breaker, control box problems, motor problems, etc. Try to find out the answers to these questions before you contact Kasco to narrow down the problem:

- How long does it take to trip the breaker?
- Does it always take the same amount of time to trip?
- How many times has it tripped?
- Have there been any electrical problems in the area recently?

"My Aerator seems to run slowly."

This can also be a symptom of several possible problems. There could be an electrical problem where the unit is not getting the proper voltage. This could also indicate a problem with the motor of the unit, which needs to be looked at by an Authorized Repair Center. Check that the unit is receiving the proper voltage, and, if so, contact Kasco for further steps.

"My Aerator hums, but will not start. When I spin the prop with a stick, it starts up."

(single phase units only) This indicates a problem with the Starting Capacitor. Each Kasco aerator is equipped with a Starting Capacitor to get the unit going when it is first plugged in. If it is operating but not spinning and can be started by spinning the prop with a stick, the Starting Capacitor needs to be replaced by an Authorized Repair Center.

"My Aerator turns itself off and back on without the timer and without tripping the GFI breaker."

(single phase units only) Each Kasco aerator has a Thermal Overload built in that will turn the unit off when it overheats. Once the unit has cooled down, it will start back up. If you are noticing these symptoms, the unit should be unplugged immediately because the Thermal Overload will continue to turn on and off until it burns out and damages the motor. The unit should be unplugged and taken out of the water to find the cause of the problem. The problem could be one of many, such as, low water levels, build-up on the unit to prevent heat dissipation, something inhibiting the free rotation of the shaft, etc. If something is caught in the unit or there is a build-up of algae, calcium or organic matter on the unit, remove the debris and, if caught early enough, the unit should be fine. Contact a Kasco representative before restarting the unit.

"My Aerator flow seems to fluctuate and/or be less than usual."

This can occur because of a few different reasons. Most of the time, this symptom is caused by the unit being clogged with debris. A mat of weeds, many leaves, plastic bags, etc. can clog up the unit and cause it to be starved of water. If the unit does not have the proper amount of water, the flow or pattern will fluctuate up and down and look sporadic. If you are seeing these symptoms, unplug the unit and clean away the debris that is clogging up the screen. Another possibility if these symptoms are noticed is a chipped or damaged prop that is causing the unit to wobble and not pump properly. When the unit is unplugged, check the prop for damages and replace if damage is found.

"The GFI breaker trips randomly and sporadically. Sometimes it is a few hours of operation, other times it can be days or weeks."

This is referred to as a Nuisance Trip. This usually occurs when the unit is installed a great distance from the initial electric service on the property where the ground stake is placed. It is caused by either induced current in the ground wire or a base voltage difference due to soil pH levels. To resolve the problem, contact an electrician and install a local grounding stake. This may eliminate the induced current and any base voltage differences. This problem can also be caused by a bad breaker or receptacle or having unbalanced incoming voltage lines.

REPAIR CONTACT FORM

- Kasco requires that all equipment sent for repair **MUST** be accompanied by this form and marked to Repairs attention.
- Kasco is **NOT** responsible for shipping damage accrued in return shipment.
- It is the responsibility of the customer to ship and pay freight to Kasco.

Note: Contact Information should be that of the person or company to contact for repair information.

Company name			
Contact name	First name	Last name	
Address	Street		
	City		
	State		
	ZIP code		
Phone number	Primary	Alternate	
Email address			
Preferred method of contact (circle)	Phone	Email	
Purchase order number			
Additional product information	Serial Number	Cord Length	
Additional notes for repair technician:			

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