

# SWORDFISH UVC AIR PURIFICATION SYSTEM: INSTRUCTION MANUAL



Thank you for purchasing Allanson's Swordfish UVC Air Treatment System. Swordfish uses powerful UVC technology to purify the air your family breathes. We recommend that Swordfish be used with a good quality Allergen furnace filter to trap sterilized contaminants for later disposal. We also recommend your furnace filter be replaced every 3 months. We hope that you share your comments and concerns by contacting our customer care department at: 1.866.807.8049 or you can log on to our website at [www.swordfishuv.com](http://www.swordfishuv.com) and view our quick install video.

## CAUTION: BEFORE PROCEEDING ENSURE YOU READ THE FOLLOWING INSTRUCTIONS

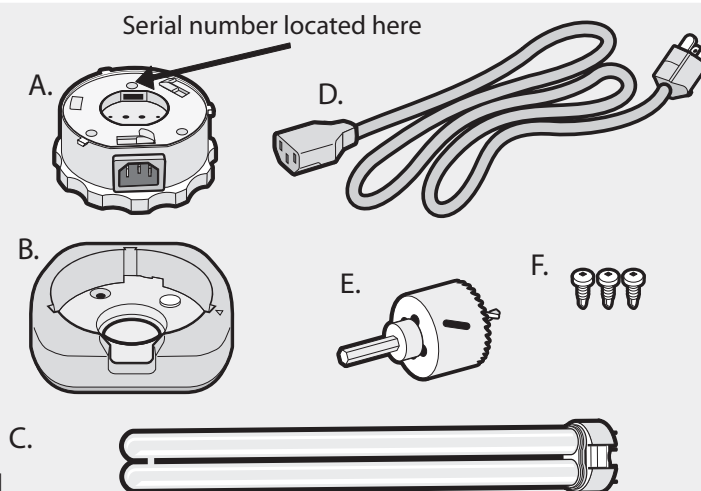
**CAUTION UVC/UV HAZARD:** Always protect eyes from ultraviolet light. NEVER look at UV lamps in operation. Unplug a few minutes before replacing lamp or servicing. No openings in duct are allowed which would give direct line-of-sight to the UV light.

**CAUTION PERSONAL INJURY HAZARD:** Power supply can cause electrical shock. Disconnect before cleaning or replacing ultraviolet lamps. Do not open base unit or lamp knob. There are no user-serviceable components inside.

## It's simple and fast to install!

### Included in this kit:

- ▶ A. Power head
- ▶ B. Blue Mounting Plate
- ▶ C. UVC Lamp
- ▶ D. Power cord
- ▶ E. Metal cutting hole saw
- ▶ F. 3 Screws



### Tools Required: Power drill and screwdriver.

Also Included: Lifetime Warranty Registration Card

### PRE INSTALLATION:

1. Choose a location that is readily accessible for regular cleaning. Ensure there is clearance in front of Swordfish for removing the lamp (approximately 16-18 inches) and that your duct length will accommodate the lamp size.
2. Ensure the location has a flat mounting surface and that a 120 VAC electrical outlet is within range of the unit.
3. Mount above the warm air plenum, 6 to 8 inches above your air conditioning coil. Or on the return air duct, 3 feet away from your furnace filter or humidistat. If mounting above the air conditioning-coil ensure ample room is left above coil so that you do not puncture refrigeration components.

**CAUTION: NEVER attempt to power the unit outside of the duct. Always protect eyes from ultraviolet light. Never look at UV lamps in operation.**

**CAUTION: All wiring inside the duct system in direct line of site of the UV light must be shielded with aluminum foil or equivalent non-combustible material.**

### INSTALLATION:

1. Mark your location for mounting the blue mounting plate and drill a hole using the 2 inch hole saw.
2. Using screws provided affix mounting plate to duct
3. Attach the lamp to the lamp holder by steering the 4 pins into four holes. Push lamp tabs in and press the lamp in. **See Fig 1.** Ensure lamp is locked into position.
4. Line up arrows on lamp holder & blue mounting house and carefully insert lamp & lamp holder into duct.
5. Once inserted, with the palm of your hand push and turn lamp holder clockwise so that it locks into place.
6. Insert power cord into lamp holder and plug other end into a 120 volt outlet. A blue LED will illuminate to show "power on".



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Part 21-686B  
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## MAINTAINANCE:

WE RECOMMEND EVERY 3-5 MONTHS YOU WIPE THE UV LAMP DOWN WITH A SOFT CLOTH.

### To clean your lamp:

1. Remove power cord from side of unit and allow lamp to cool for a few minutes before proceeding.
2. With the palm of your hand gently push in and rotate the lamp holder counterclockwise to lineup two arrows.
3. Carefully remove the lamp holder from duct.
4. Using a soft cloth, carefully wipe the lamp glass and return lamp to the blue mounting plate.

## REPLACEMENT:

The red REPLACE LAMP LED on the front of your unit will flash when the lamp has started to decrease in UVC output (approx 1 year from install). This is a warning to purchase a new lamp and replace as the UVC will decrease and you will not obtain the same kill rate. When light turns solid, the lamp has reached its end of life. Replacement Lamps are easily available online at [swordfishuv.com](http://swordfishuv.com) or from your local retailer.

### To replace your lamp:

1. Remove power cord from side of unit and allow lamp to cool for a few minutes before proceeding.
2. With the palm of your hand push in and rotate the lamp holder counterclockwise to lineup two arrows.
3. Carefully remove the lamp.
4. Push lamp tabs in and pull the lamp out of the lamp holder (See instructions below for discarding of lamp).
5. Attach the lamp to the lamp holder by steering the 4 pins into four holes. Push lamp tabs in and press the lamp into lamp holder **See Fig 1**. Ensure lamp is locked into position.
6. Line up arrows on lamp holder & blue mounting house and carefully insert lamp & lamp holder into duct.
7. Once inserted, with the palm of your hand push and turn lamp holder clockwise so that it locks into place.
8. Insert power cord into lamp holder and plug other end into outlet. A blue LED will illuminate to show "power on".

**Your old UV Lamp(s) can be disposed of in the same manner you dispose of fluorescent lamps in your region.**



Figure 1.

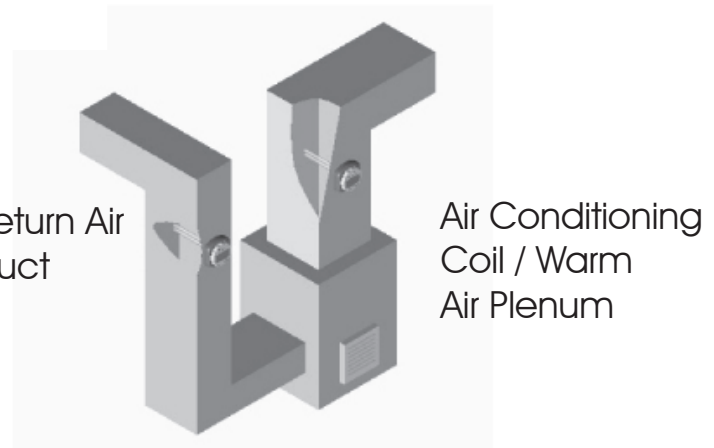


Figure 2.

## WARRANTY

Swordfish powerhead is warranted for 10 years. Please ensure you fill in the enclosed warranty card to activate your lifetime warranty. It is important that you fill in your serial number which can be found on the back of the lamp holder. This number has 11 digits. The card can be mailed or filled in online at [www.swordfishuv.com](http://www.swordfishuv.com).

Allanson agrees to correct any defects in material or workmanship, which may develop in any Swordfish UV Air Treatment System powerhead, when used under proper or normal conditions, during a period of 10 years from the date of installation. Such a correction may be by repair, replacement, or material credit at the company's discretion. This warranty does not include shipping costs to and from the factory. This correction shall fulfill completely any and all obligations by Allanson intended or implied by this warranty. Allanson shall not be responsible for consequential damage or for labor involved in making replacement.



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