

Radiance Hazer

Service Manual

Cleaning Procedure



- Make sure the main power cord is disconnected from power before attempting to remove the outer cover
- Make sure unit has cooled sufficiently to perform the operation

Note: Cleaning is required after approximately 20 litres of Ultratec Special Effects fluid has been used through the machine.

1. Using a #2 Philips Screw Driver remove the 5 screws. One by the jug holder, two on the side and two on the rear; above the fan and control panel. (Fig. 1)
2. Lift the rear of the lid up then slide it forward.
3. Using a pair of Needle-Nose Pliers remove the 2 Hold-Down Springs; this will release the insulation cover and allow access to the 4-Port Rapid Clean Vaporizer. (Fig. 2)
4. Remove the Insulation Cover and Insulation. (Fig. 3)
5. Remove the 4 nuts from the top of the 4-Port Rapid Change Vaporizer using a 7/16" wrench. (Fig. 4)
6. Remove all 4 nuts, lock washers and flat washers as well as the aluminum top plate and gasket. If the gasket is not broken or worn out, you may reuse the same one. (Fig. 5)
7. Removing the silicone tube from the inlet pipe will allow the chamber to be removed from the machine (Fig. 6) **Note:** It may have fused to the inlet pipe there making it difficult to remove.
8. Use a Flat Screwdriver to clean the 4-Port Rapid Change Vaporizer by scraping away loose deposits. Brush out all of the ash material from each of the 4 ports. A light coating is okay; the ports do not need to be spotless.
9. Use a 5/64" drill bit to clean the nozzle. Ensure both nozzles are cleaned of any debris.
10. Ensure the mating block surfaces are clean to allow for proper heat transfer to take place before replacing the chamber

Fig. 1



Springs

Fig. 2

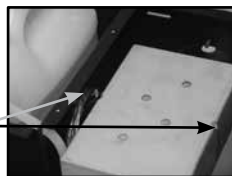


Fig. 3



Fig. 4



Fig. 5

inlet

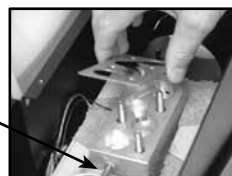
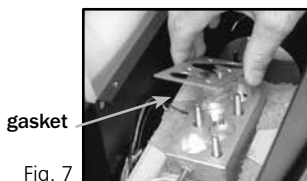
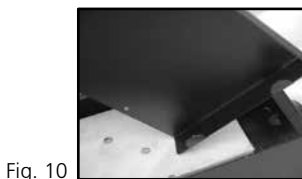
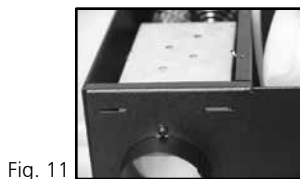


Fig. 6



Cleaning Procedure (con't)

11. Replace the gasket with a new one if required. Ensure all of the surfaces are clean. (Fig. 7)
12. Reinstall the aluminum top plate and place flat and lock washers on the bolts (Fig. 7 & 8) with a 7/16" wrench, tighten until the lock washers flatten down and add 1/4 turn.
13. Reinstall the Insulation Cover and attach the hold down Springs on both sides. Ensure that none of the wires are pinched by the cover. (Fig. 9)
14. Verify that all of the hoses are connected.
15. Insert the tabs on the Radiance Chassis Cover into the slots located on the front of the Radiance Hazer. Slide the lid back until it drops into place. Using a #2 philips screw driver fasten the lid by installing the 5 screws while ensuring the fluid tube is not pinched. (Fig. 10 & 11)



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Please remember to include the **RA Number on all items being shipped for repairs.**

To retrieve an RA Number visit www.ultratecfx.com and click on the "Service" section. Then click on "Return Authorization Request" which is located on the left hand side of the page.

If you have any questions or require assistance please contact service at 519-951-3357/866-534-5557 or by email at Service@Ultratecfx.com.

Warranty

Warranty:

Hardware products come with a one year warranty on parts and labor. Unless stated otherwise, this will refer to manufacturer defects only. All warranty is based on destination of the original sale. Any additional costs incurred are the responsibility of the Dealer and/ or the customer. Abuse or poor maintenance is not accepted. Proof of purchase or proof of sale must always accompany all warranty returns. An RA (Return Authorization) number must be noted on the outside of each box being returned to our facility. Any package(s) without an RA number clearly marked, will not be accepted by our receiving department. Freight on warranty items are freight prepaid to our facility and we will prepay freight back to your facility following repair. This will be done by the most economical means available. Should you require the item express-returned, the dealer is responsible for request indication and any difference in freight cost.

Export Distributors are required to carry out the warranty repair, parts will be supplied by Ultratec.

Return Policy:

Return of any product must be done within 30 days of purchase. The package must be returned freight prepaid and the RA number clearly marked on the outside of the box.

Warning:

Ultratec Special Effects considers all of it's product to be safe for use in the application it was intended. Ultratec Special Effects takes no responsibility for misuse or incorrect use. Always refer to the Product Manual for proper use.