

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



Fig. 2

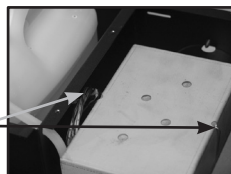


Fig. 3



Fig. 4

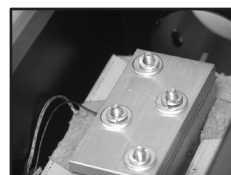


Fig. 5

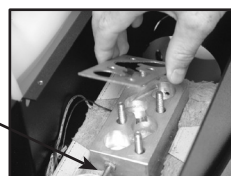


Fig. 6



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)

gasket

Fig. 7

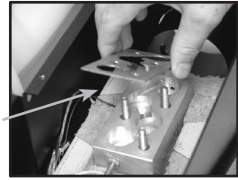


Fig. 8

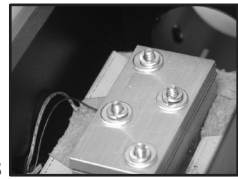


Fig. 9



Fig. 10

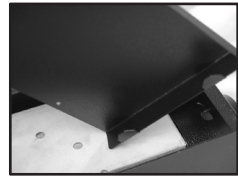
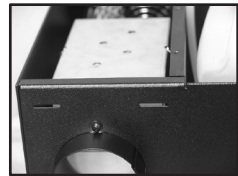


Fig. 11



To view the Power Point Presentation for the Cleaning Procedure, please follow the steps below:

1. Go to www.ultratecfx.com
2. Click on "Enter Website" under Fog and Atmospherics.
3. Select the "Haze Machines" button on the left hand menu bar and click on the 'Radiance Hazer'.
4. Scroll down the page to the "Downloads Section". There you will find an in-depth Power Point Presentation illustrating the cleaning procedure in photos and video clips.

Contact Information

Head Office

Ultratec Special Effects Inc.
1960 Blue Heron Drive
London, Ontario N6H 5L9

Direct: 519-659-7972
Toll Free: 866-534-5557
Fax: 519-659-7713

Canadian Shipping Address

(For All Canadian Repairs)
Ultratec Special Effects Inc.
1960 Blue Heron Drive
London, Ontario N6H 5L9

USA Shipping Address

(For All USA Repairs)
Ultratec Special Effects Inc.
657 Gadson St, Unit 300
Groveland, Florida 34736

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

To get an RA Number, *visit www.ultratecfx.com* and click on the "Service" tab and then click on "Master Service Tracker or contact service at 519-951-3355 / 866.534.5557

Warranty

Warranty: All warranty is for one year parts and labour unless specified or manufacturer defect only. Abuse or Poor Maintenance will not be covered under warranty. Ultratec Special Effects Fluids must always be used. Use of any non Ultratec Special Effects Fluids will void all warranties. Accept no substitutions as there are no exceptions to this rule. Proof of Purchase or Proof of Sale must always accompany any warranty returns. An RA (return authorization) number must be noted on the outside of the box being returned to our facilities. Any packages without a clearly marked RA number 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 after repair by the most economical means available. Should you require the item express-returned, then you are responsible for any difference in freight cost.

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. Minimum restocking fee is 25%. Once our facility has received the product a technical assessment will be completed to determine if an additional restocking fee needs to be issued. Only credits are issued to the dealers account. Any product not returned within 30 days is considered purchased.

Warning: Ultratec Special Effects Inc. 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.