

Lamp and Filter Replacement Instruction Sheet

INTRODUCTION

Use the following instructions when replacing the lamp or filters in one of the projectors listed under **Kits Required**. Christie® recommends that lamps and filters be checked approximately every 1000 hours under normal operating conditions. Use only a Christie approved *Lamp and Filter Kit* for your projector model.

When do I replace a lamp? Replace the lamp when it reaches its end of life or sooner if a noticeable degradation in brightness occurs. You can set the number of hours you expect to log with the lamp before replacing it, by setting the lamp limit in the lamp menu of the projector software. This setting should not exceed the lamp lifetime warranty. Enable the lamp message checkbox to provide a warning upon power up to indicate the lamp has reached the set lamp limit. At this time the lamp should be replaced.

WARNINGS AND GUIDELINES

- ⚠ DANGER** EXPLOSION HAZARD! Lamps are under high pressure and may contain hazardous materials. Always wear an authorized full face shield and protective clothing to protect eyes and arteries when handling lamps.
- ⚠ WARNING** Lamp replacement must be performed by a qualified service technician.
- ⚠ WARNING** To avoid personal injury, always let the lamp cool completely before handling, and always handle the lamp by the housing only.
- ⚠ WARNING** Always use the correct wattage lamp supplied by Christie. Read the entire lamp replacement procedure and all warnings before servicing.
- ⚠ WARNING** Never touch the glass surface of the lamp. Fingerprints left on the surface can lead to an intense accumulation of heat called a "hot spot", which could potentially result in lamp explosion during normal operation.

KITS REQUIRED

PROJECTOR MODEL	WATTAGE	LAMP/FILTER KIT REQUIRED
Roadster HD12K Mirage HD12 Matrix/Mirage WU12 Roadster/Mirage S+12K Roadster/Mirage S+14K-J Roadster/Mirage HD14K-J Matrix/Mirage WU14K-J	1.9kW	003-120135-XX
Mirage S+14K Roadster/Mirage S+16K Roadster/Mirage HD16K-J Roadster/Mirage S+18K-J	2.4kW	03-900518-XXP
Mirage WU18 Mirage HD18 Roadster HD18K Roadster/Mirage S+20K	3.0kW	003-000306-XX
Roadster/Mirage HD20K-J Roadster/Mirage/Matrix WU20K-J Roadster/Mirage S+22K-J	3.0kW	003-004086-XX

TOOLS REQUIRED

- #2 Phillips screwdriver
- Personal protective equipment (lint-free gloves, full face shield)

INSTRUCTIONS

Remove the Lamp Module

⚠ WARNING Always wear the personal protective equipment provided in the Christie protective clothing safety kit (P/N: 598900-095).

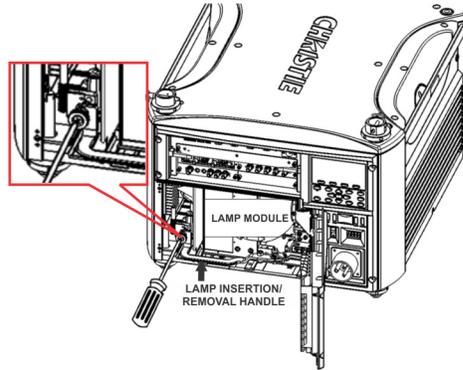
NOTES: 1) Christie protective clothing recommendation are subject to change. 2) Any local or federal specifications take precedence over Christie recommendations.

1. Power down the projector and allow the cooling fans to automatically turn off.
2. Turn the main power switch to the OFF position and unplug all AC inputs. Allow the lamp to cool for a minimum of 15 minutes before proceeding.
3. Loosen (2) #2 Phillips® screws securing the lamp door.

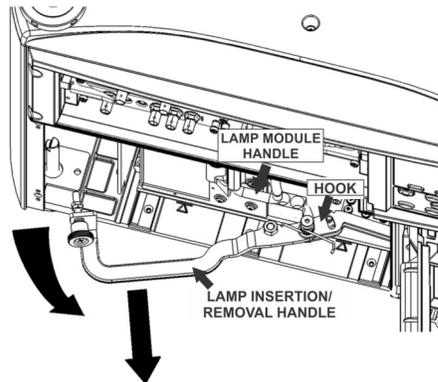
4. Unlock and remove the lamp.

J Series Projectors:

- Loosen the screw holding the lamp module handle.

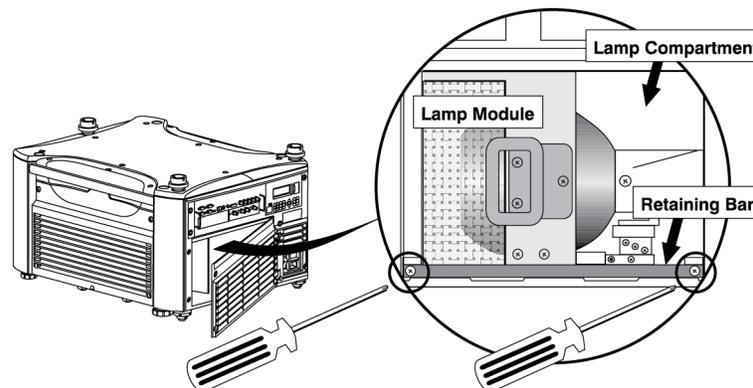


- Pull the lamp module handle outward to remove the lamp.

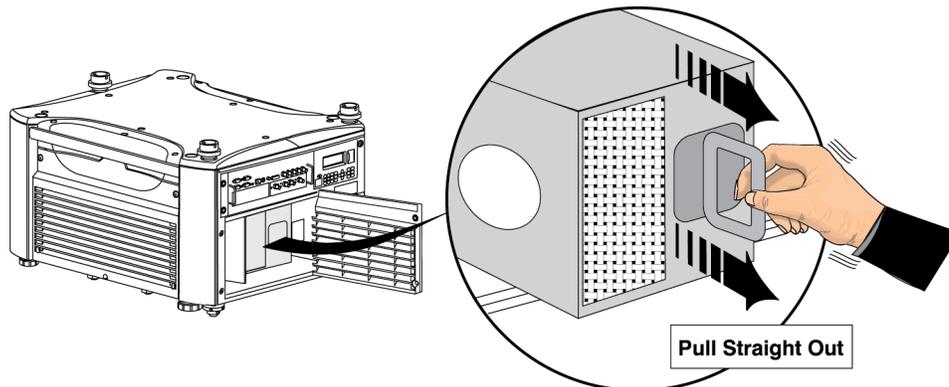


Non-J Series Projectors:

- Remove (2) screws securing the retaining bar along the bottom edge of the lamp module.



- Grasp the handle on the lamp module and pull the module straight out of the lamp compartment.



5. Move the lamp module to a clean and safe work surface for further disassembly.

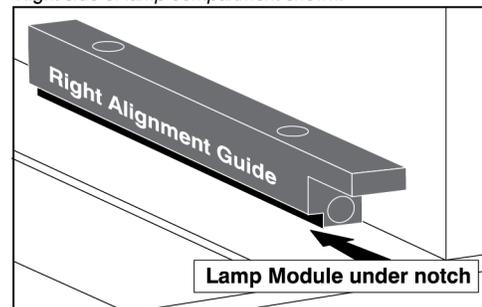
Install the Lamp Module

1. Verify the lamp memory board, located at the middle rear of the lamp, is not obstructed. If it is covered with a plastic protector, remove it before installing the lamp. Failure to do this will hamper the proper installation of the lamp and prevent normal operation.
2. Record the serial number of the new lamp.
3. Align the base plate of the new lamp module under both side alignment guides and slide the module entirely into the projector. Push with normal force until the resistance increases, then firmly push the module another 1/2-inch.

NOTE: The lamp module must make full-contact with the lamp connectors. Increased resistance indicates initial contact with the connectors - push firmly at this point.

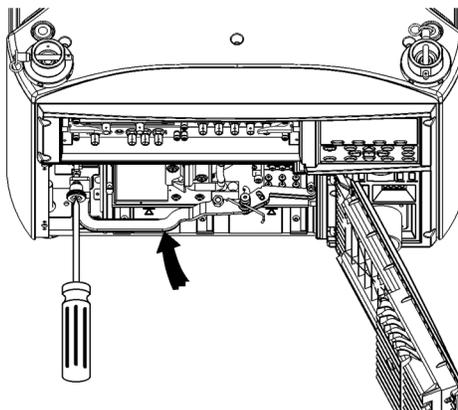
4. Secure the lamp.

Right side of lamp compartment shown.



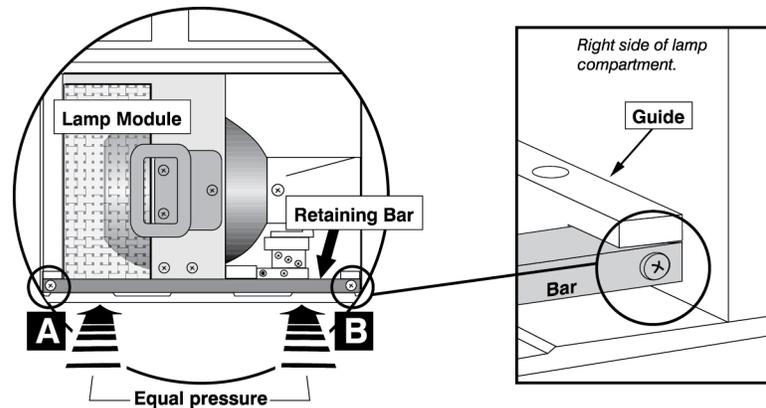
J Series Projectors:

- Move the lamp module handle inward and tighten the holding screw.



Non-J Series Projectors:

- Position the retaining bar along the bottom edge of the lamp module, with the ends positioned under the alignment guides. If the bar does not fit, push the lamp module further in.
IMPORTANT: *The order in which the screws are tightened is critical to proper lamp contact alignment.*
 - Secure screw B until just engaged
 - Secure screw A until just engaged
 - Go back and forth between screws A and B to lock the bar in place with even pressure and to correctly position the lamp module.



5. Close the lamp door and tighten the (2) screws to secure it.
6. Plug in and power on the projector and navigate to the lamp menu. Select CHANGE LAMP. This will prompt for the old lamp serial number (if it was not previously entered). Enter the new lamp serial number.

NOTE: *This action is not mandatory, it is recommended for accurate lamp statistics to be archived. If you neglect to enter a serial number, the lamp times will not reset to “0” and will therefore be inaccurate, in which case, the lamp life limit will expire prematurely.*

Lamp	
Lamp Hours	0
Lamp S/N	1234
1. Lamp Message	<input checked="" type="checkbox"/>
2. Lamp Limit	1000
3. Lamp Mode	Power
4. Power	3545
5. Intensity	1246
6. Reserved	
7. Lamp History	
8. Change Lamp	→
9. LampLOC	

New serial# entry automatically updates Lamp History...

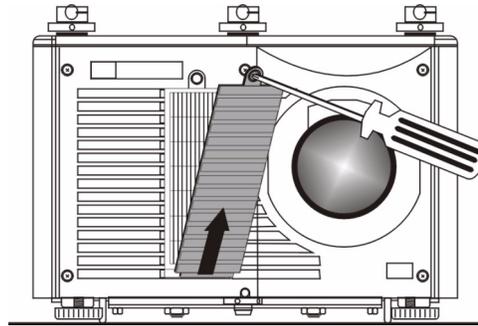
Lamp S/N

...and resets Lamp Hours to “0”

Lamp History	
S/N	Hours
5679	1001
1234	0

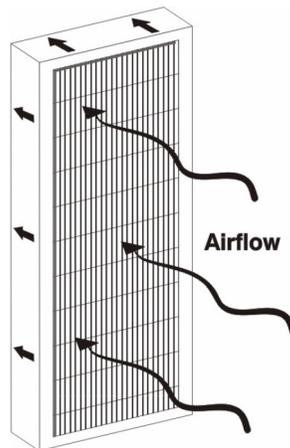
Replace the Air Filter

1. Loosen (1) #2 Phillips screw at the top of the front filter door. Remove the filter door.



2. Replace the filter:

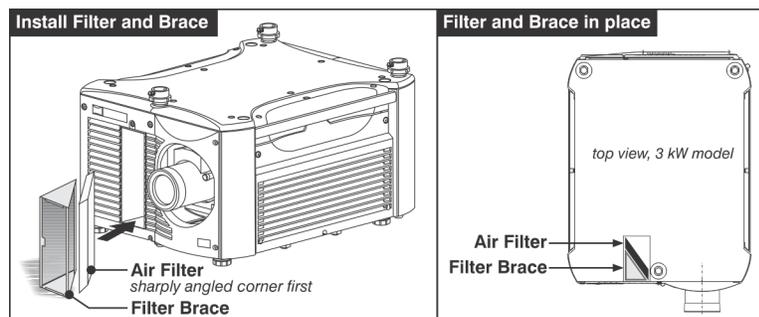
For 1.9kW and 2.4kW projectors, and all J Series high powered models:



- Remove the old filter and insert a new filter.
NOTE: Follow the airflow arrows for correct orientation.

For 3.0kW projectors, except J Series:

- Remove the filter and the filter retaining bracket.
- Insert the new filter and secure it with the filter bracket.



3. Replace the filter door and secure it with (1) screw.

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