

# Christie 4K-RGB Projector Top Cover Retrofit Kit Instructions

This document provides instructions for installing the top cover retrofit kit on Christie 4K-RGB projectors.

The new top cover includes a service access door that improves accessibility for routine air filter maintenance.



The procedures for removing the radiator and upgrading the radiator fans are not required for all affected projectors. Check your projector unit to determine if there is an internal radiator and if the radiator fan guards are present.

## Affected products

The following products are affected.

- Christie CP4315-RGB
- Christie CP4320-RGB
- Christie CP4325-RGB
- Christie CP4330-RGB
- Christie CP4440-RGB
- Christie CP4450-RGB

## Prerequisites

The following components are required.

- Christie Top Cover Retrofit Kit (P/N: 003-006953-XX)

## Required tools

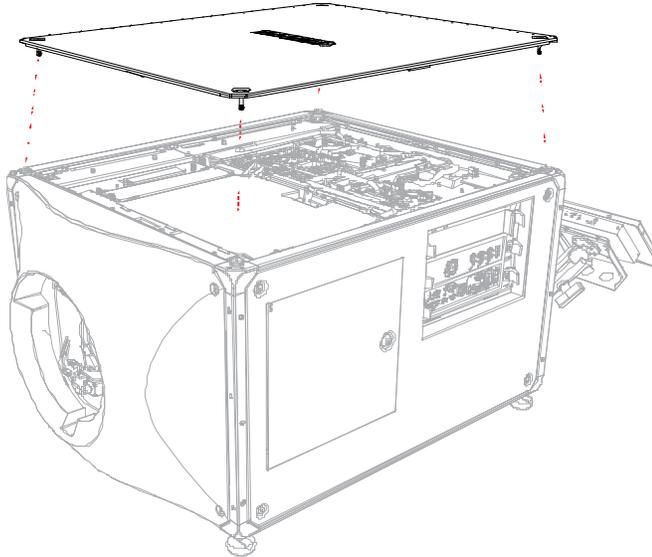
The following tools are required.

- 2.5 mm screwdriver
- 3 mm screwdriver
- Absorbent cloth wipes

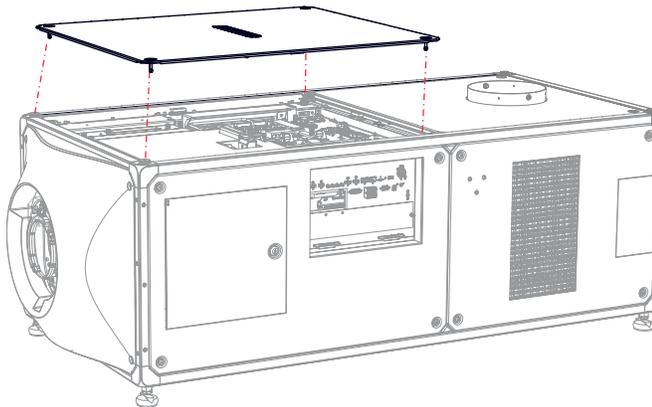
# Removing the projector top cover and air filter cover

Remove the projector top cover and the interior bracket covering the air filter.

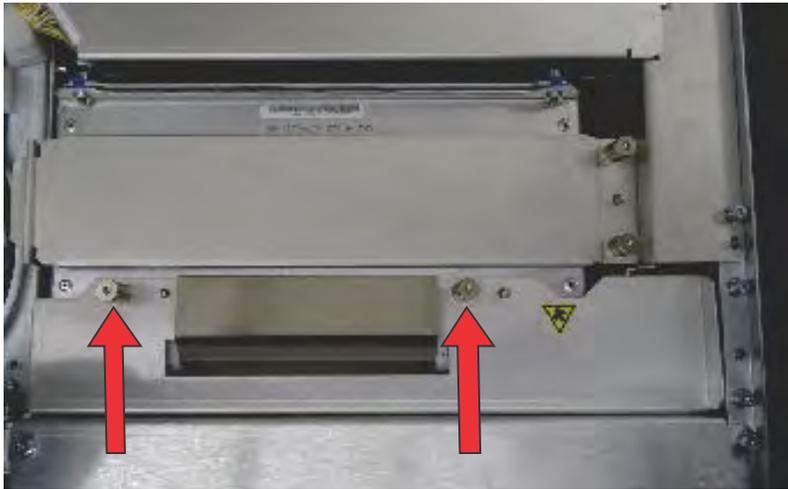
1. Remove the top cover of the projector:
  - a) For CP43XX-RGB projectors, loosen four captive screws securing the top cover.



- b) For CP4440-RGB and CP4450-RGB, loosen four captive screws securing the top-front cover.



2. Discard the projector top (or top-front) cover.
3. To remove the air filter cover (or bracket), loosen the two captive screws.



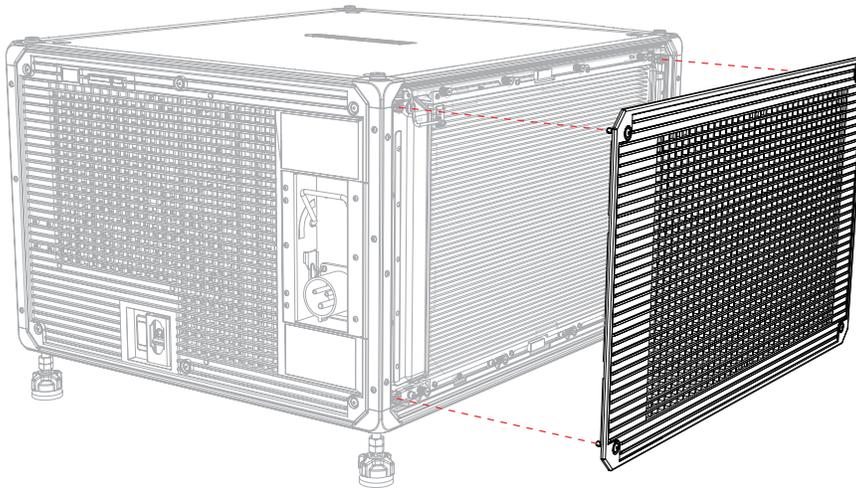
4. Discard the air filter cover (bracket).

## Removing the radiator

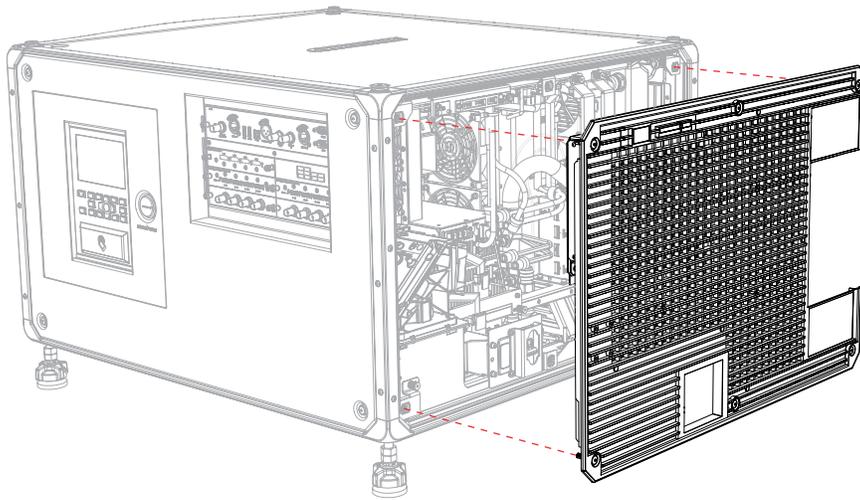
Removal of the radiator is required only to access and upgrade the radiator intake fans.

Before removing the radiator, check your projector unit to determine if the radiator fan guards are present. This procedure is required only for CP43XX-RGB projectors that do not have the upgraded fan pack. In addition, this step is not required for CP4440-RGB and CP4450-RGB projectors because these models do not have internal radiators or radiator fans.

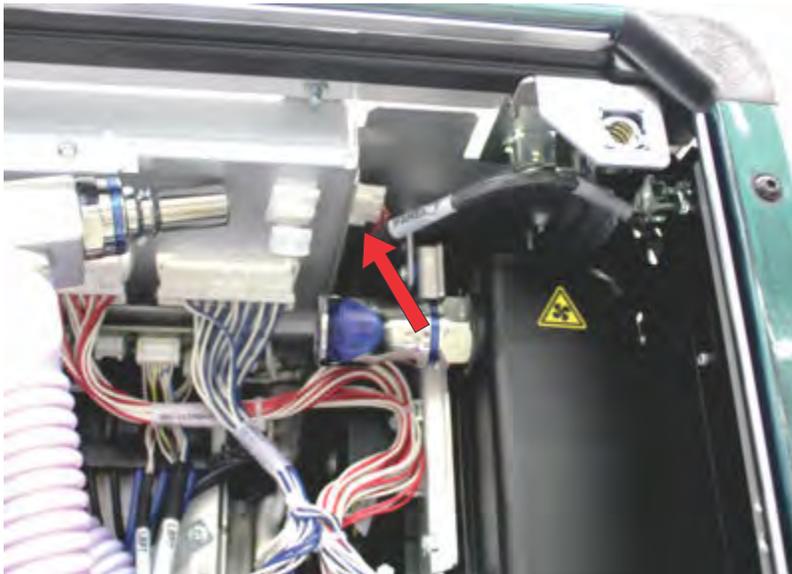
1. Check the projector to determine if the radiator fan guards are present.  
If radiator fan guards are already installed, skip this procedure. If there are no fan guards installed, proceed to remove the radiator.
2. After removing the top cover of the projector, loosen four captive screws to remove the side-intake cover.



3. Loosen six captive screws to remove the rear cover.



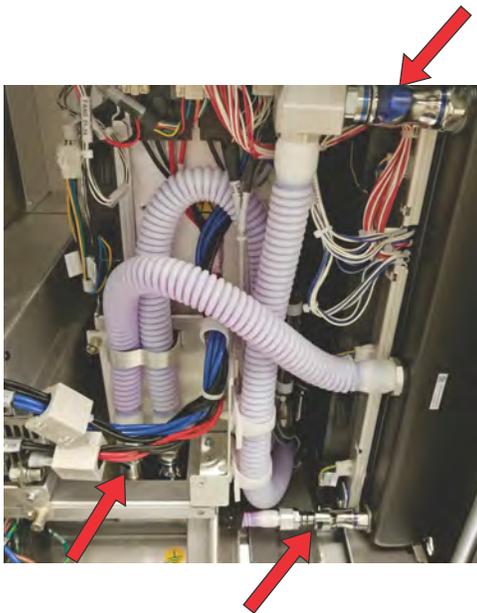
4. In the rear compartment at the panel mount, disconnect the DTSM harness (labeled Panel F) coming from the HKBB.



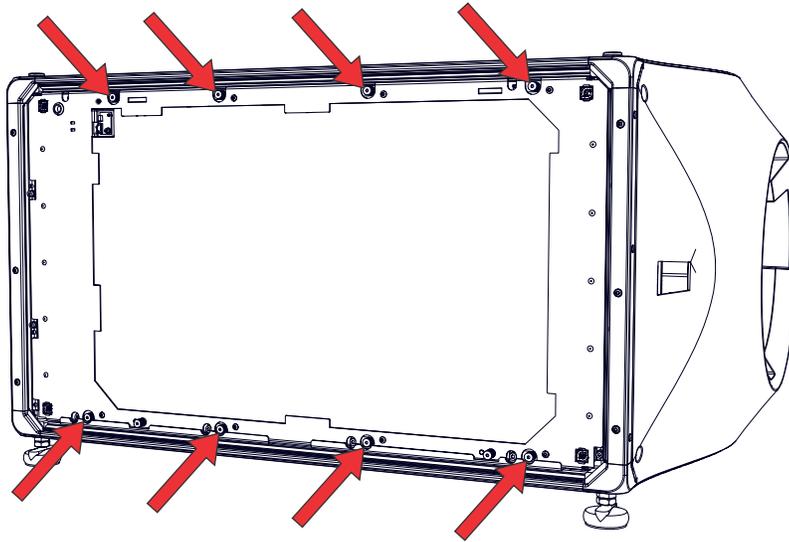
5. In the rear compartment, remove the hose bracket securing the coolant hoses by loosening the captive screw.



6. Place cloth wipes around the cooling hose connection points to capture any excess coolant that may drip upon disconnect.



7. Disconnect the three hose connectors.
8. Remove the two radiator handles from the back of the projector and attach them to the radiator.
9. Remove the radiator:
  - a) Loosen the eight captive screws.



- b) Swing the radiator out from the projector, being mindful of the middle coolant line attached to the LOS.
- c) Lift using the radiator handles and remove the radiator.

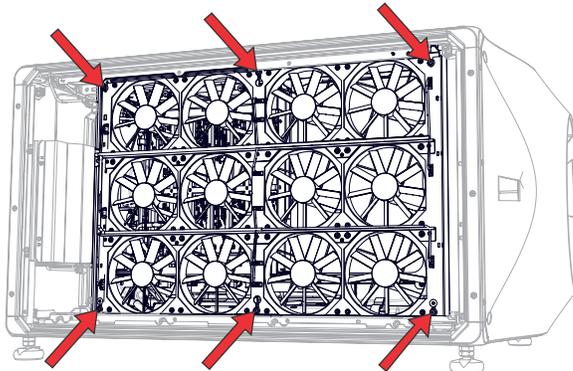
10. Place the radiator on a clean, level surface.

## Upgrading the radiator intake fans

If the existing fan pack does not have wire grilles, install the wire grilles on the required nine fans. The wire grilles provide finger protection when removing the air filter through the top cover access door.

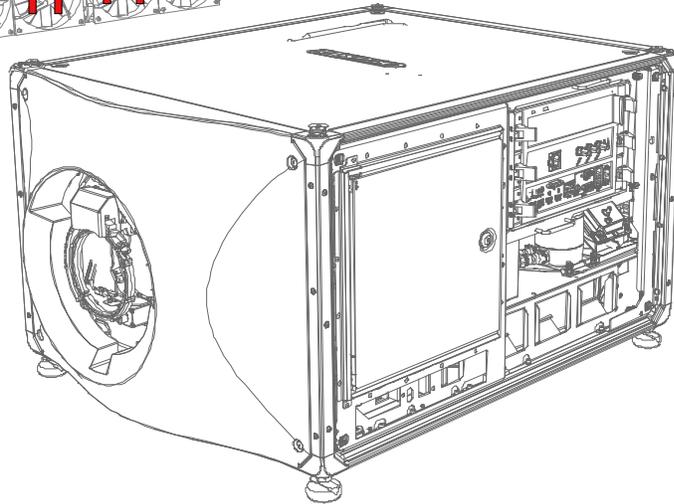
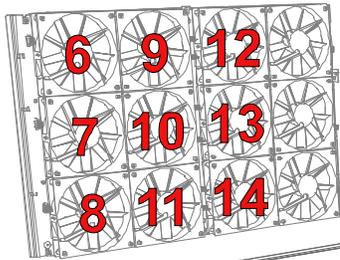
Check your projector unit to determine if this procedure is required. This procedure is required only for CP43XX-RGB projectors that do not have the upgraded fan pack. In addition, this upgrade step is not required for CP4440-RGB and CP4450-RGB projectors because these models do not have internal radiators or radiator fans.

1. After removing the radiator, disconnect the two fan harnesses G and H at the rear of the projector (white/blue and white/red).
2. Remove the six screws securing the radiator intake fan assembly.



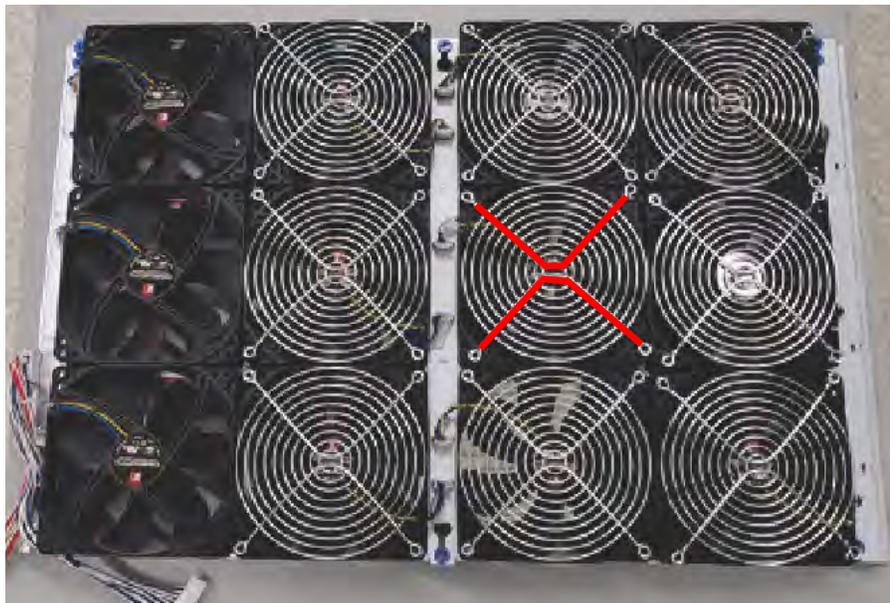
3. Swing the fan pack out from the bottom and then lower it down to remove from the projector.
4. Place the fan pack on a clean, level surface.

5. On the interior side of the fan pack, install wire grilles on the following fans: #6, #7, #8, #9, #10, #11, #12, #13, and #14.

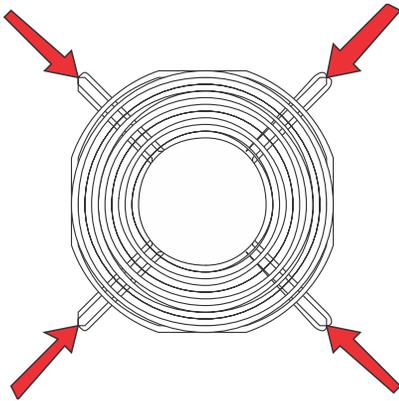


To confirm the correct fan positions, refer to the fan labeling on the projector.

- a) Place the fan guards over each fan in the following orientation:



- b) Attach the wire grille using four push rivets for each fan guard.



6. To re-install the radiator fan pack, repeat steps 1 to 3 in reverse order.
7. To re-install the radiator, refer to *Removing the radiator* (on page 3) and perform steps 2 to 9 in reverse order.

## Installing the new top cover

Install the new top cover with the access door positioned over the air filter.

1. To install the new top cover, place the cover with the filter access door positioned over the air filter, at the front right of the projector.



2. Secure the cover by tightening the four captive screws.

## Technical support

Technical support for Christie products is available at:

- North and South America: +1-800-221-8025 or [Support.Americas@christiedigital.com](mailto:Support.Americas@christiedigital.com)
- Europe, Middle East, and Africa: +44 (0) 1189 778111 or [Support.EMEA@christiedigital.com](mailto:Support.EMEA@christiedigital.com)
- Asia Pacific: +65 6877-8737 or [Support.APAC@christiedigital.com](mailto:Support.APAC@christiedigital.com)
- Christie Professional Services: +1-800-550-3061 or [NOC@christiedigital.com](mailto:NOC@christiedigital.com)