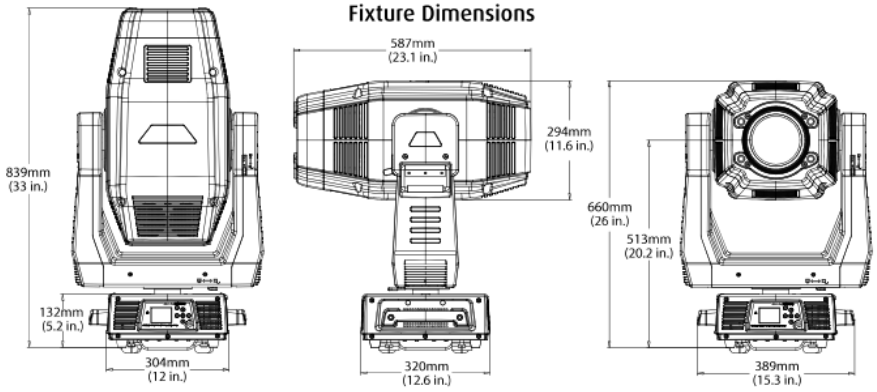
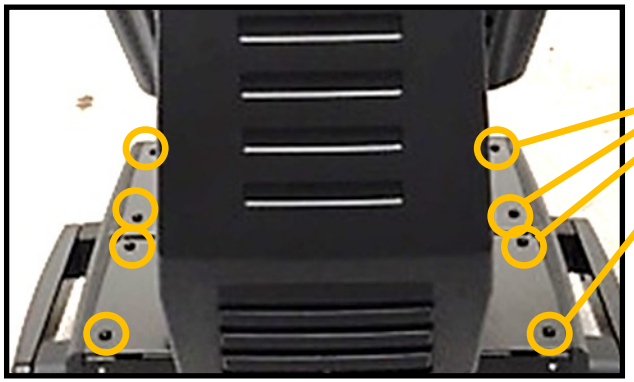
HIGH END SYSTEMS

SolaFrame 2000



SolaFrame 2000

Accessing the Electronics



Remove 4X Philips head screws on each cover

Disconnect ground wire on each over

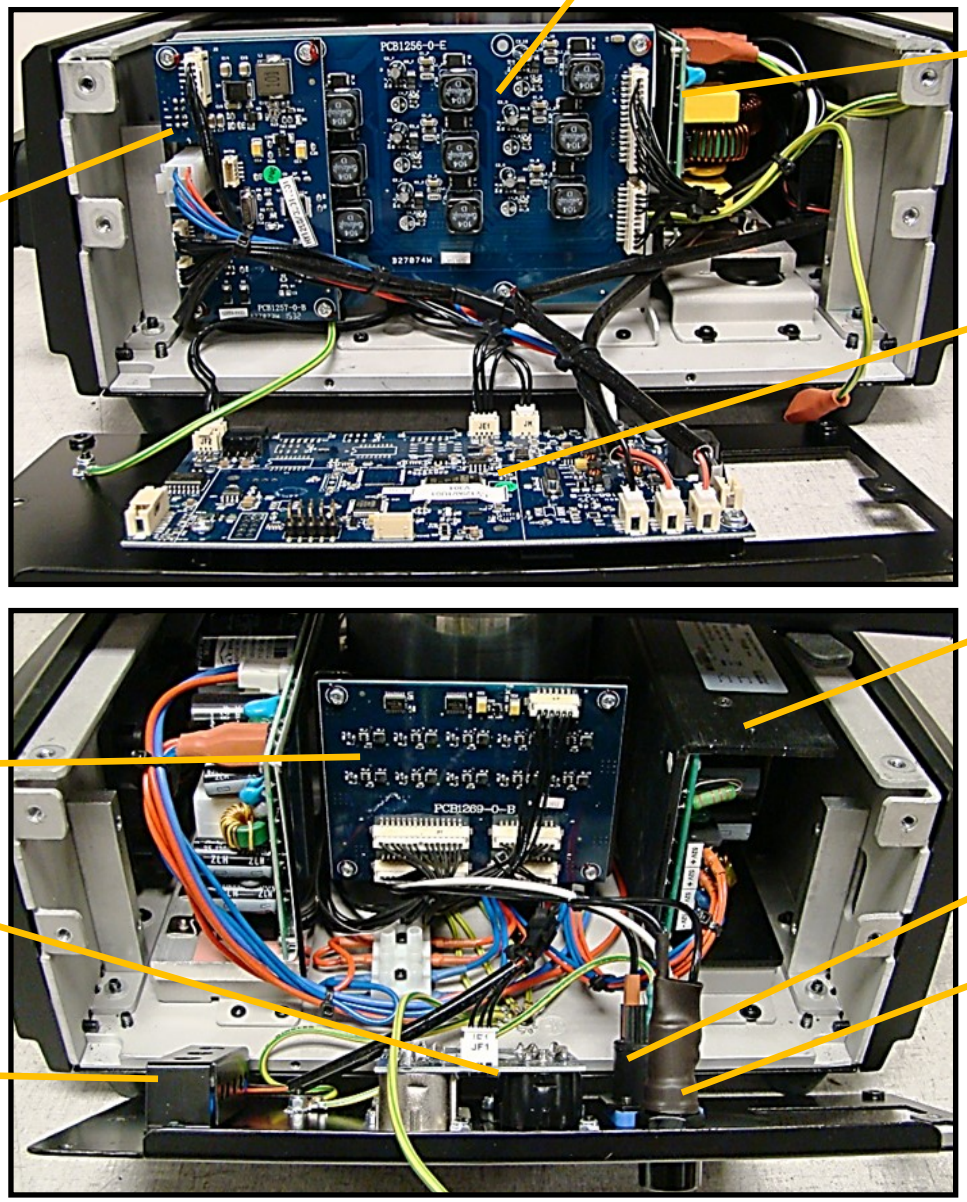
Remove 5X Philips head screws on the front and rear plastic covers

Remove 6X Philips head screws on the front and rear metal covers

Note the differences in the screws

SolaFrame 2000

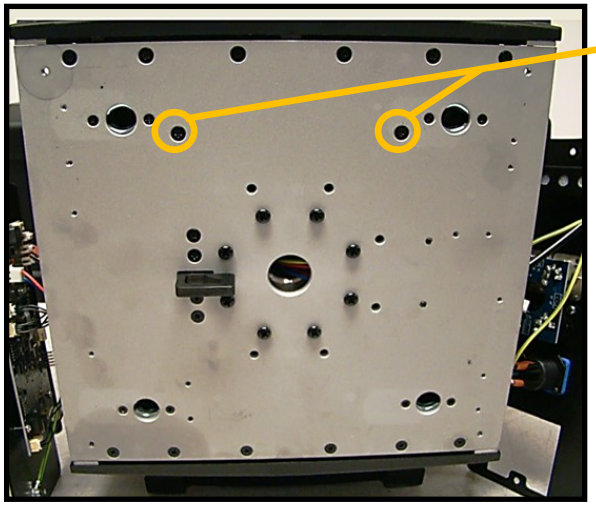
Base Components



SolaFrame 2000

Removing the Motor Power Supply

Remove 4X rubber feet using 3mm Hex tool

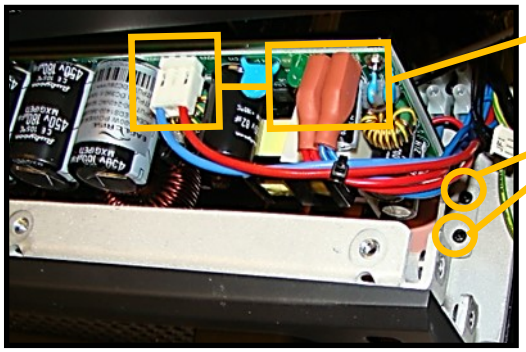


Remove 2X Philips head screws

Install rubber feet for stability

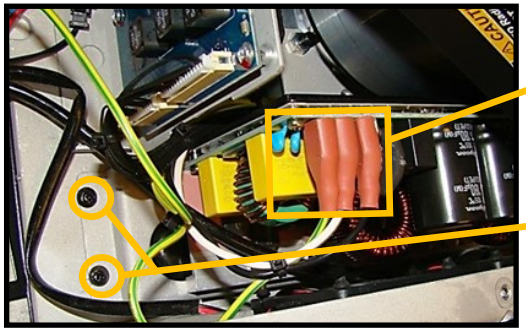
SolaFrame 2000

Removing the Motor Power Supply



Disconnect output power connectors

Remove 2X Philips screws

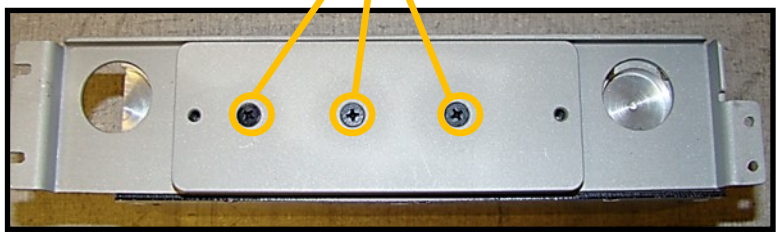


Disconnect input power connections

Remove 2X Philips screws

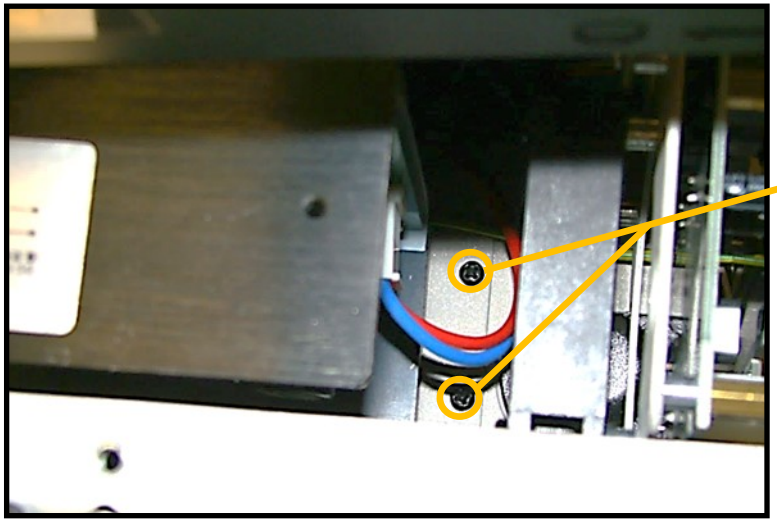
Remove 3X Philips mounting screws and install mounting plate on new Power Supply

Add heat sink compound to the new Power Supply before installing



SolaFrame 2000

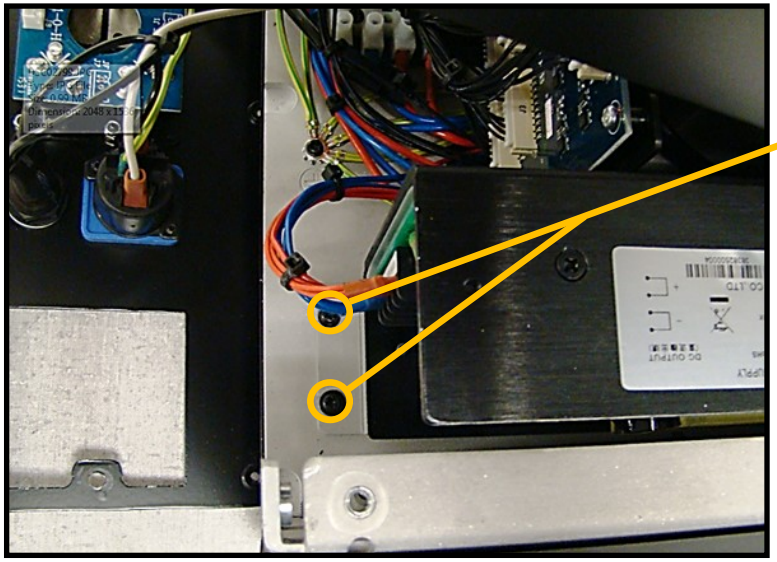
Removing the LED Power Supply



Remove 2X Philips head front mounting screws

Using a magnetized Philips head is ideal

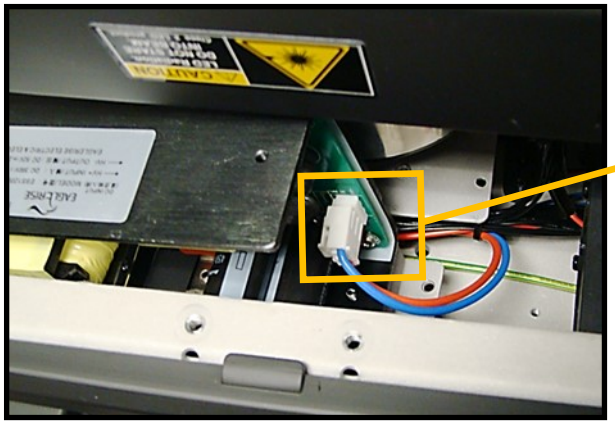
Remove LED control PCB/LED distro PCB mount for more room if necessary



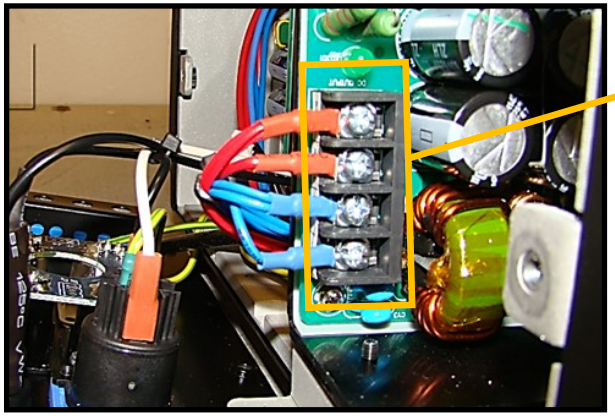
Remove 2X rear mounting screws

SolaFrame 2000

Removing the LED Power Supply



Disconnect power connector



Loosen 4X silver Philips screws to disconnect output wiring

Remove 2X mounting screws and use mount on new Power Supply

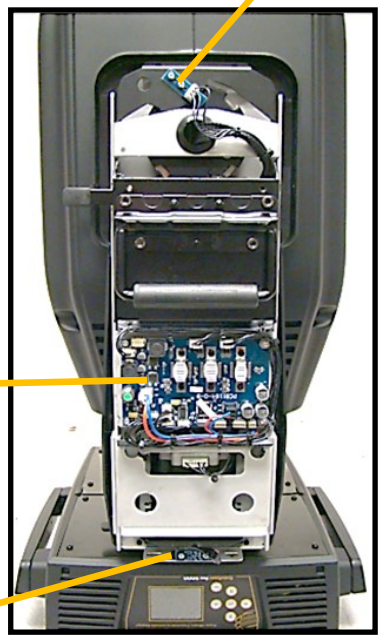
Add heat sink compound to the new Power Supply before installing

SolaFrame 2000

Accessing the Yoke Components

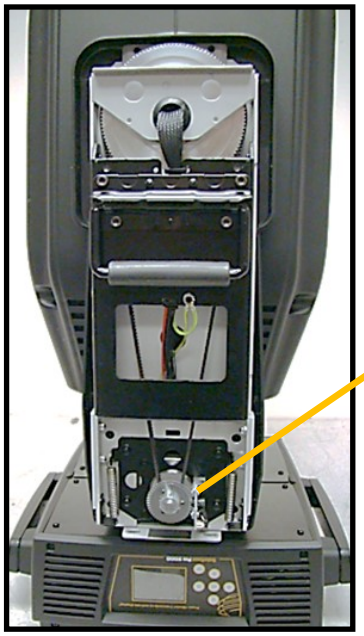
Loosen 2X Philips screw heads on each cover to remove

Tilt Homing Sensor



PCB 2U: Pan/Tilt

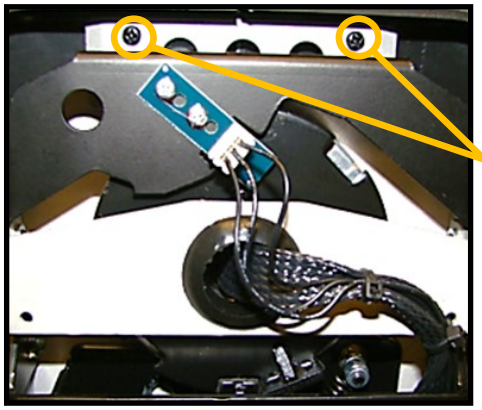
Pan Encoder Sensor



Tilt Encoder Sensor

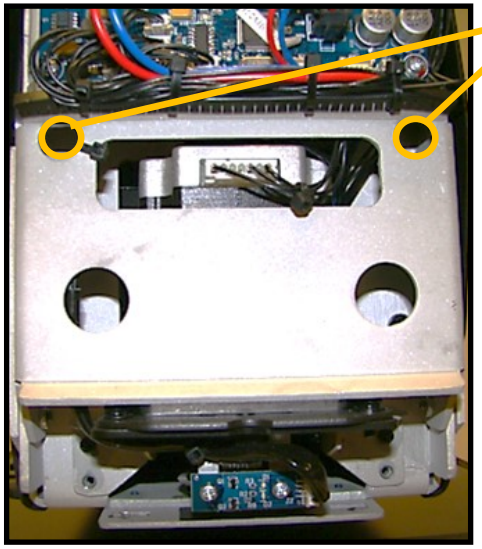
SolaFrame 2000

Accessing the Pan Homing Sensor



Remove 2X Philips screw heads

Using a magnetized screwdriver would be ideal



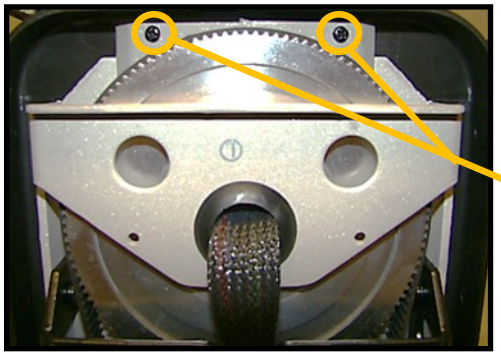
Remove 4X Philips screw heads through access holes

Note the different screw types

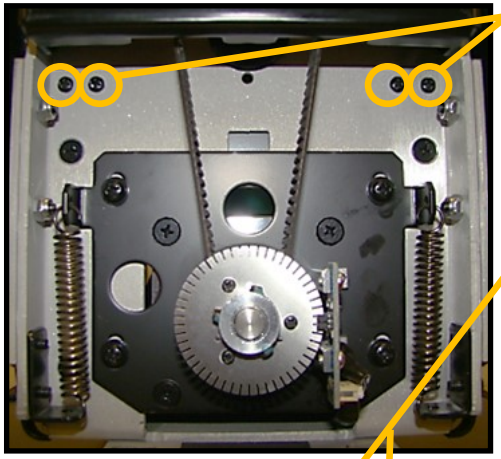
Remove yoke cover

SolaFrame 2000

Accessing the Pan Homing Sensor



Remove 2X Philips screw heads



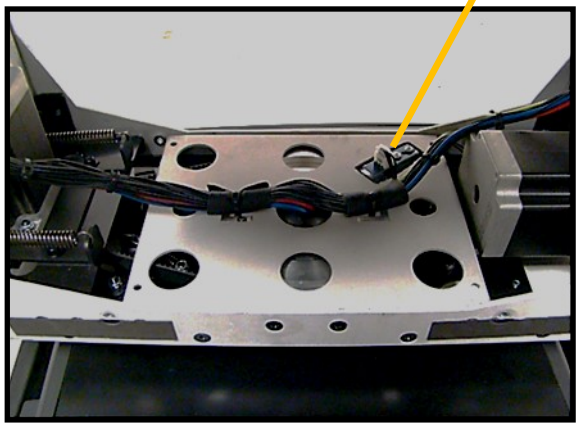
Remove 4X Philips screw heads through access holes

Note the different screw types

Loosen 2X Philips screw heads on each cover

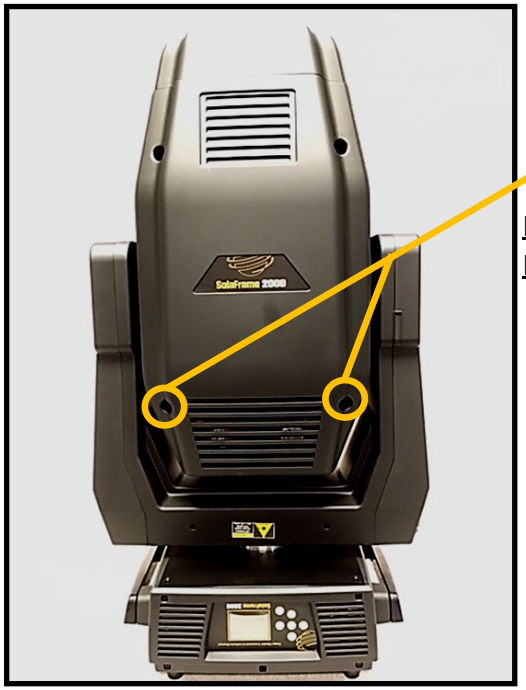
Remove yoke cover

Pan Homing Sensor



SolaFrame 2000

Accessing the Head Components



Loosen 2X 1/4 turn captive screws per head cover, remove safety cable

PCB 4U: Focus, Zoom, Frost, Prism

PCB 5U: Animation, Gobos, Color Wheel

PCB 3U: CMY, CTO, Iris, Blade 4

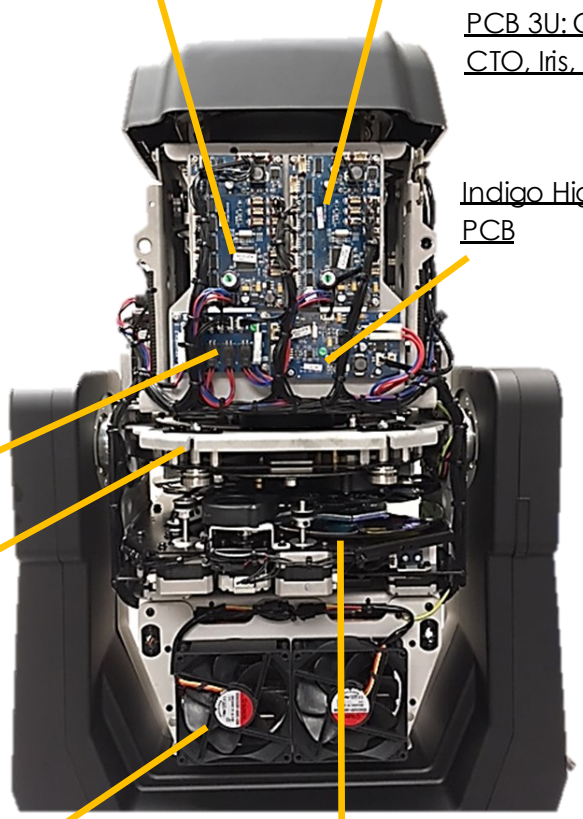
Indigo Highlighter PCB

Power/Data Distribution

Framing Module

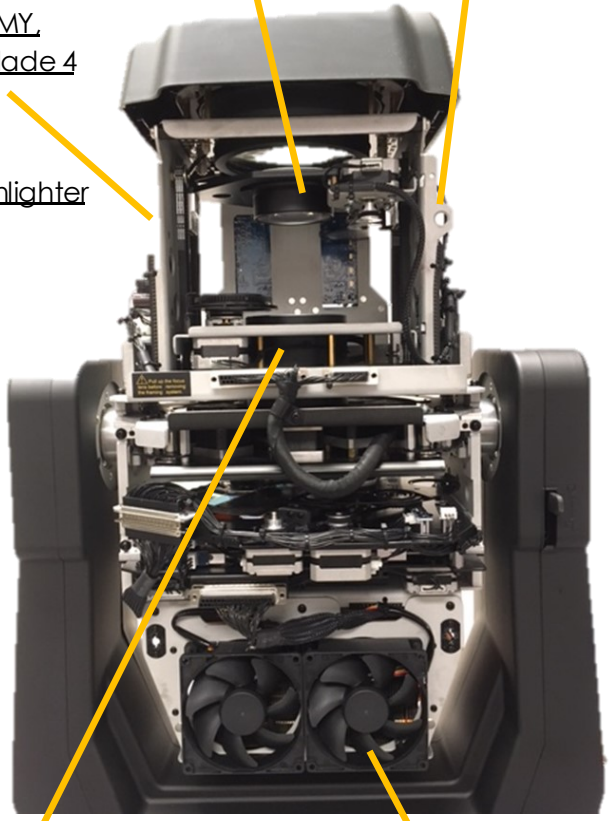
LED Exhaust Fans

Color Mix Module



Zoom Lens

PCB 6U: Framing rotate, Blades 1-3

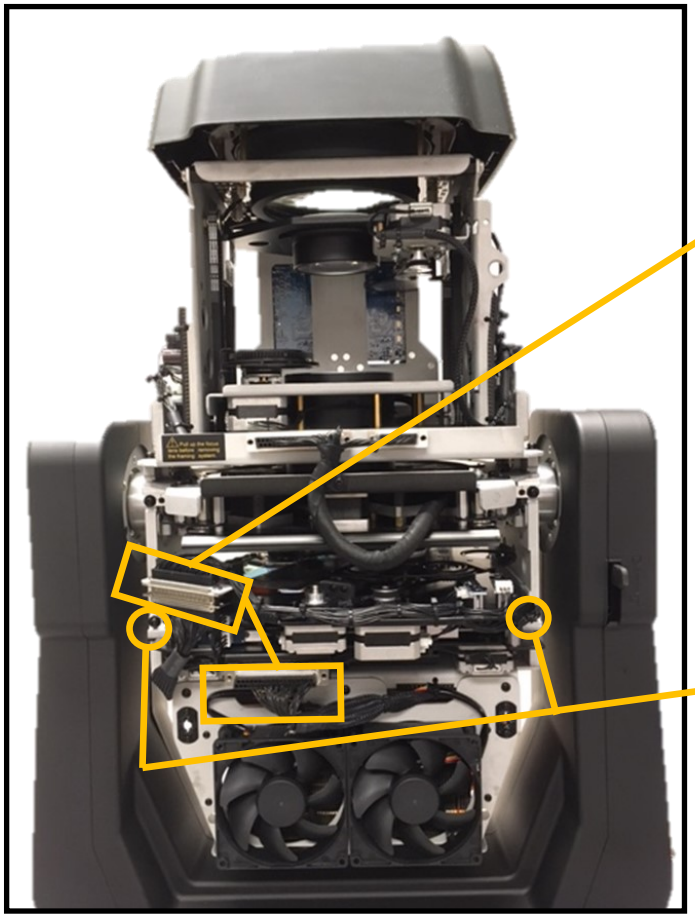


Focus Lens

LED Intake Fans

SolaFrame 2000

Removing the Color/Gobo Module



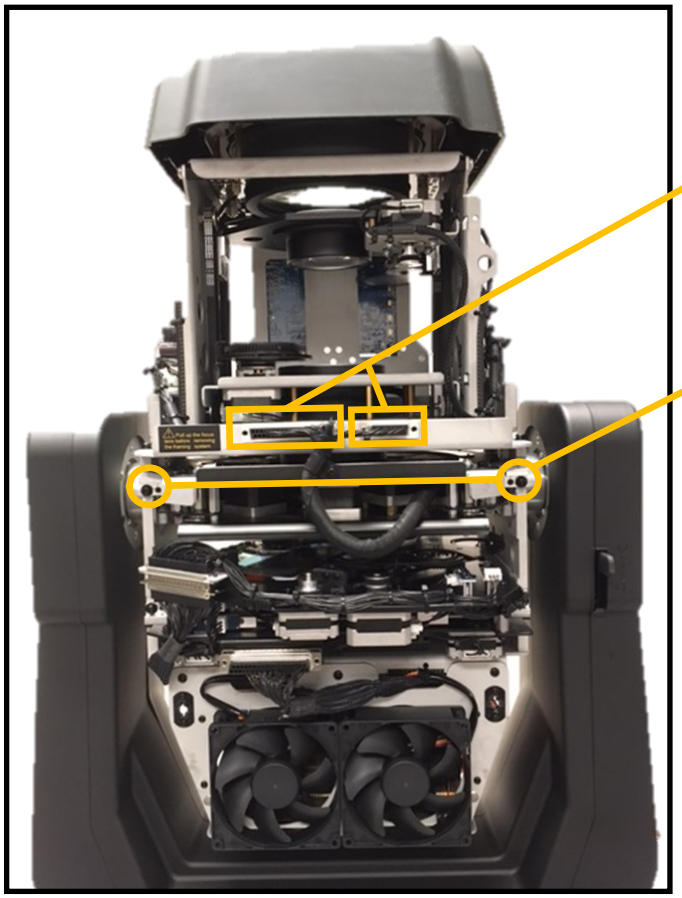
Disconnect 2X module harness connectors

Remove 2X Philips head screws

Carefully pull out module

SolaFrame 2000

Removing the Framing Module



Push up focus lens to clear module or tilt head downwards

Disconnect 2X module harness connectors

Remove 2X Philips head screws

Carefully pull out module

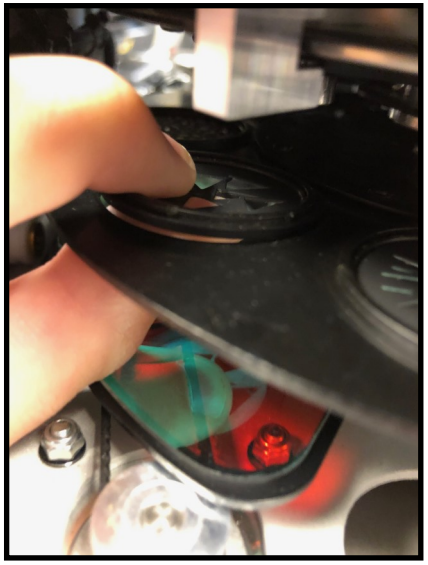
SolaFrame 2000

Replacing Gobos

To remove both the static and rotating gobos from the wheel, removing the module is not required

Simply push from the top or bottom (whichever way pushes the holder out of its wheel position)

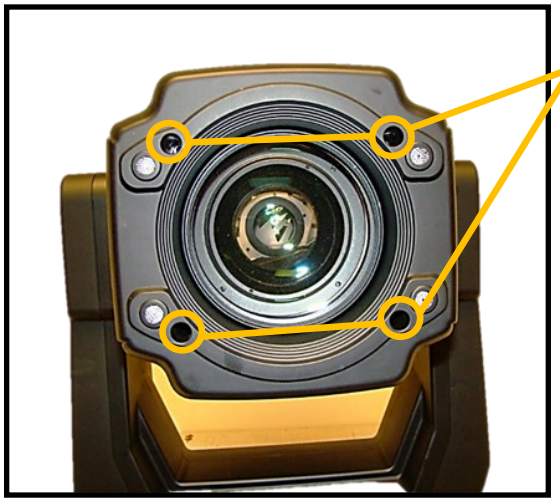
And slide the holder out towards you



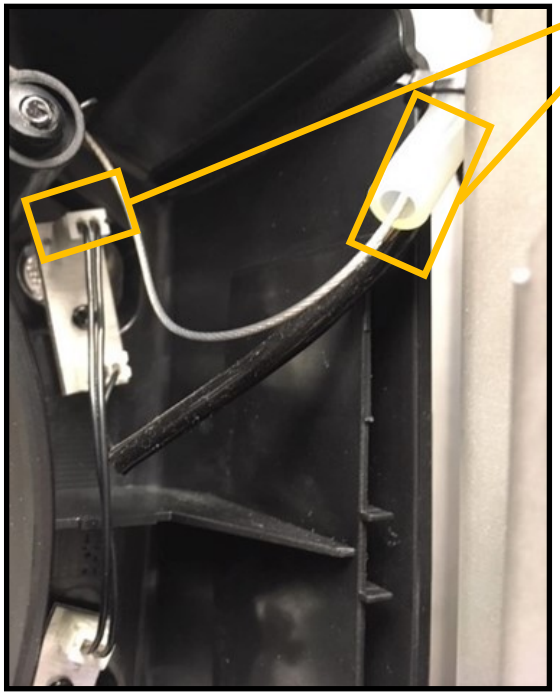
Technowedge gobo holder contains the homing magnet and must remain in the same position in order to home properly.

SolaFrame 2000

Removing the Front Head Cover



Remove 4X Philips head screws

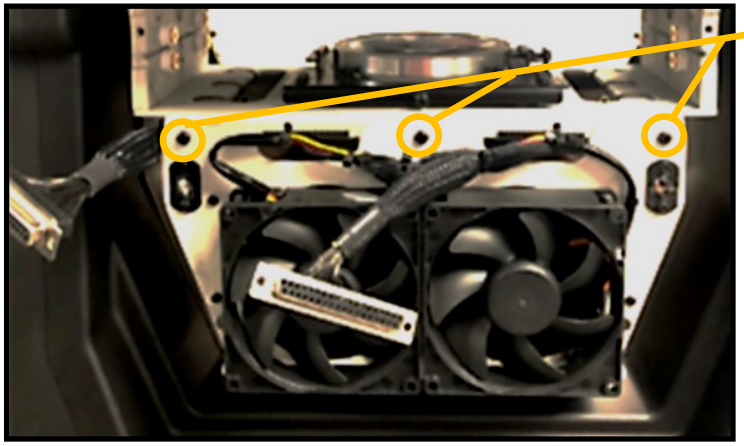


Unseat wire harness connector and detach safety cable

Indigo Highlighters

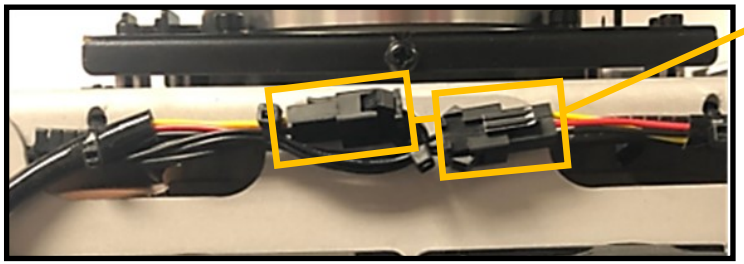
SolaFrame 2000

Replacing the LED Light Engine



Remove 3X Philips head screws on each side of the fan plate assembly

Remove ground wire on one side



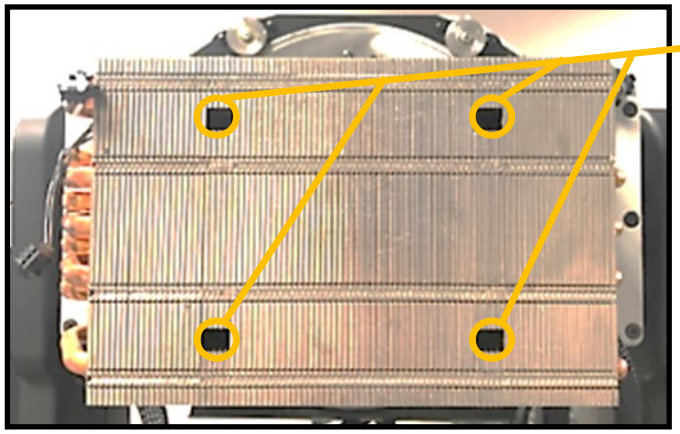
Disconnect fan wires on both sides

Cut tie wraps as needed to free harnesses from fan plates

Remove fan plate

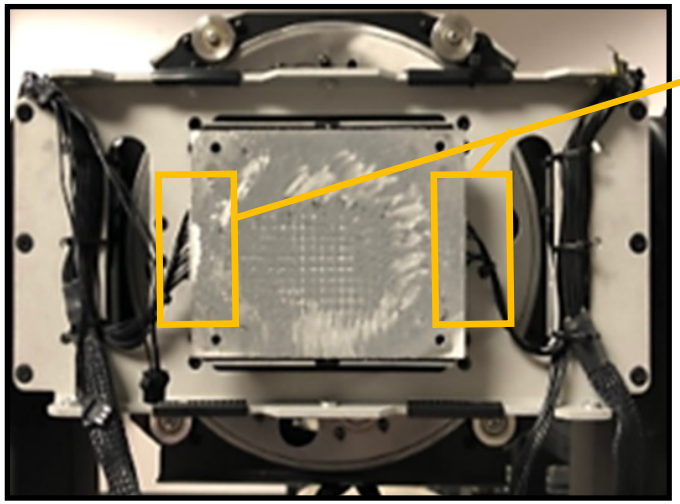
SolaFrame 2000

Replacing the LED Light Engine



Remove 4X Philips head screws to remove LED heatsink

Watch out for the heat sink compound and be sure to keep the heatsink supported while removing the screws

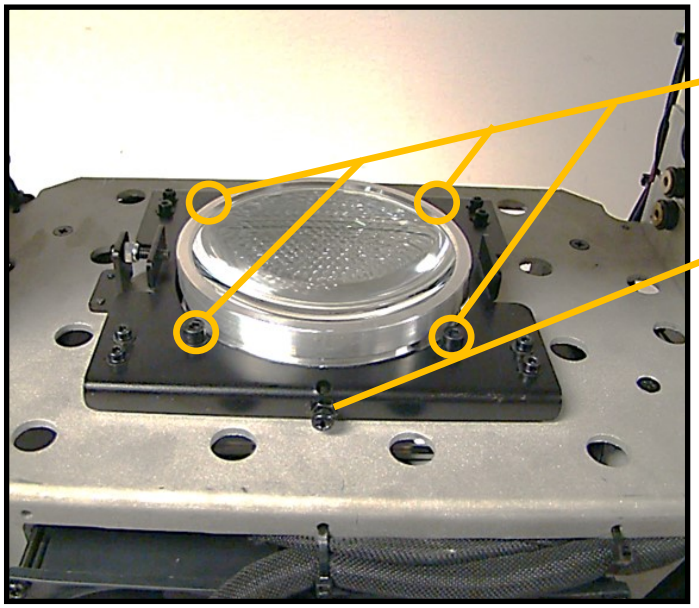


Disconnect both LED harnesses

Note the label on both the connector and on the LED engine

SolaFrame 2000

Replacing the LED Light Engine



Remove 4X screws using 3mm Hex tool

Loosen positioning screws and now the LED is free

Apply fresh heatsink compound to new LED Light Engine and install

SolaFrame 2000

PCB Software Identifiers

PCB Software ID	Controls
1U	Display
2U	Pan, Tilt
3U	CMY, CTO, Iris, Blade 4
4U	Focus, Prism, Zoom, Frost
5U	Animation, Animation Rotate, Gobo 1, Gobo 1
6U	Framing Rotate, Blade 1, Blade 2, Blade 3
7U	LED Dimmer Control
8U	Indigo Highlighter