HIGH END SYSTEMS

SolaSpot 2000

Fixture Dimensions

838mm (33 in)
132mm (5.2 in)
304mm (12 in)
659mm (26 in)
512mm (20.2 in)
389mm (15.3 in)
587mm (23.11 in)
319mm (12.6 in)

Color
CMY / CTO + Color Wheel

LED Engine
600 W Ultra-Bright or High CRI

Weight
42 kg / 92 lb

Output
25,000 / 20,000 Lumens

Zoom
7°-47°

Gobos
6 + 6 Rotating

Frost
Light

Prism
3-facet and Linear

Animation
Graphical and Glass Textured
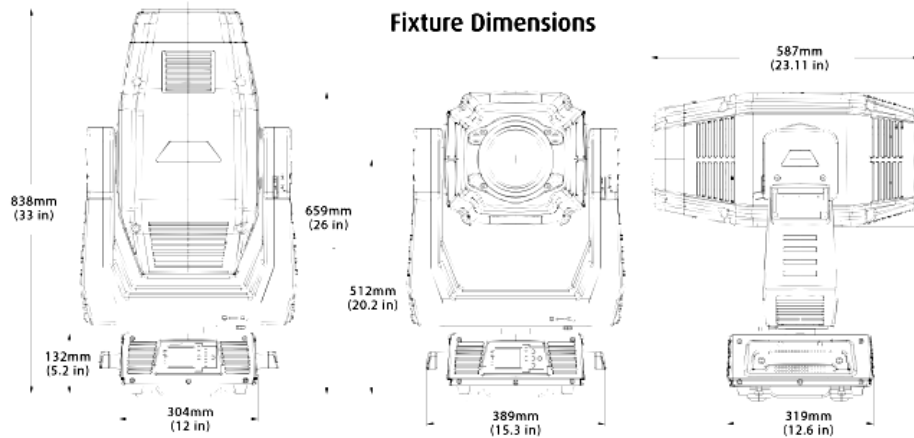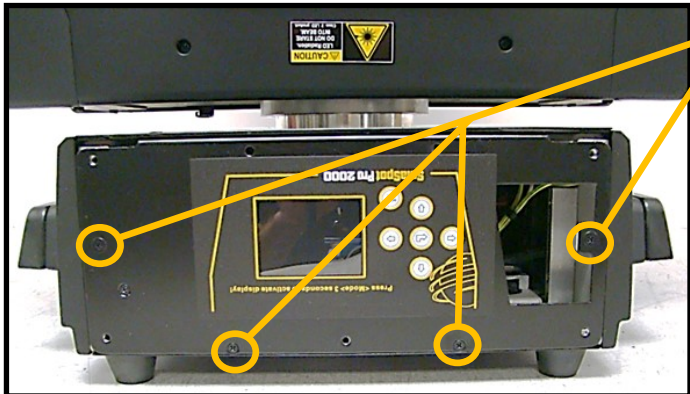
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Accessing the Electronics

Remove 4X Philips Head screws on each top cover

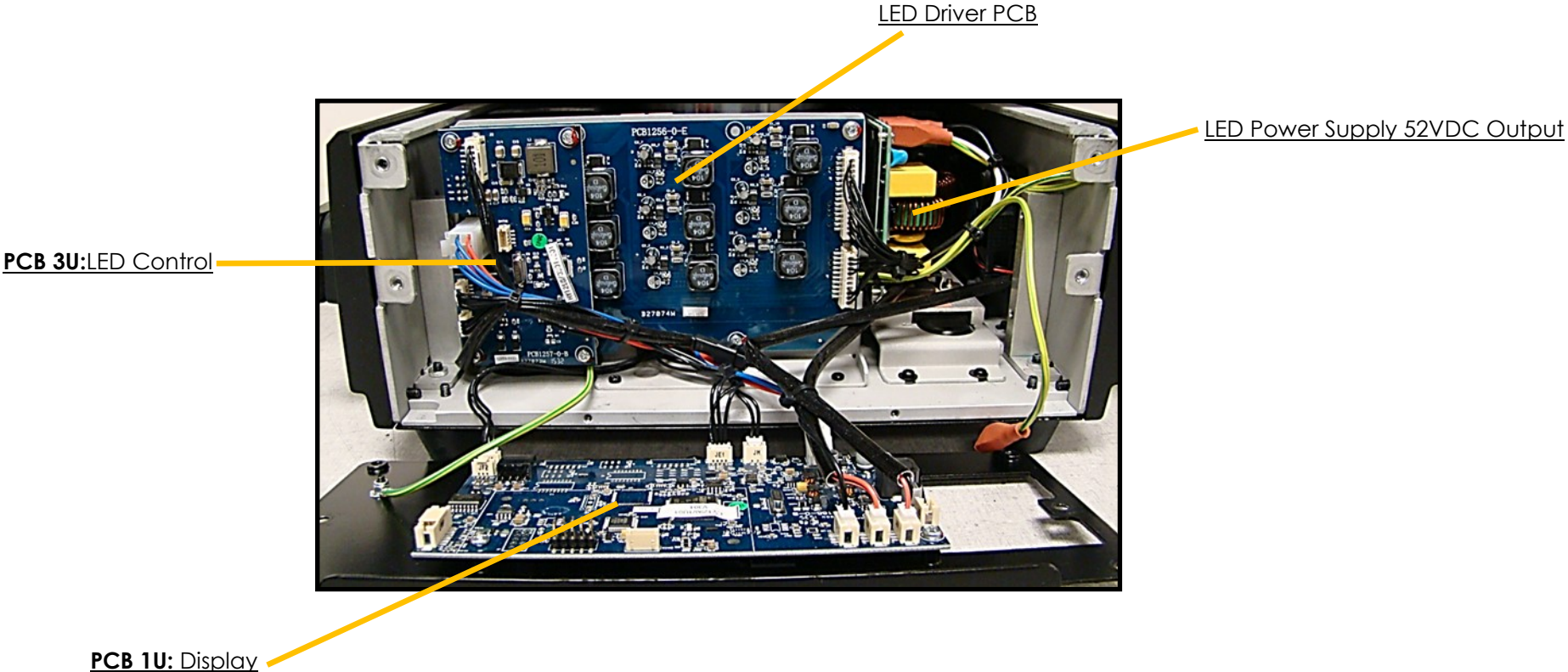Disconnect ground wires from each

Remove 5X Philips Head screws on the front and rear panel covers
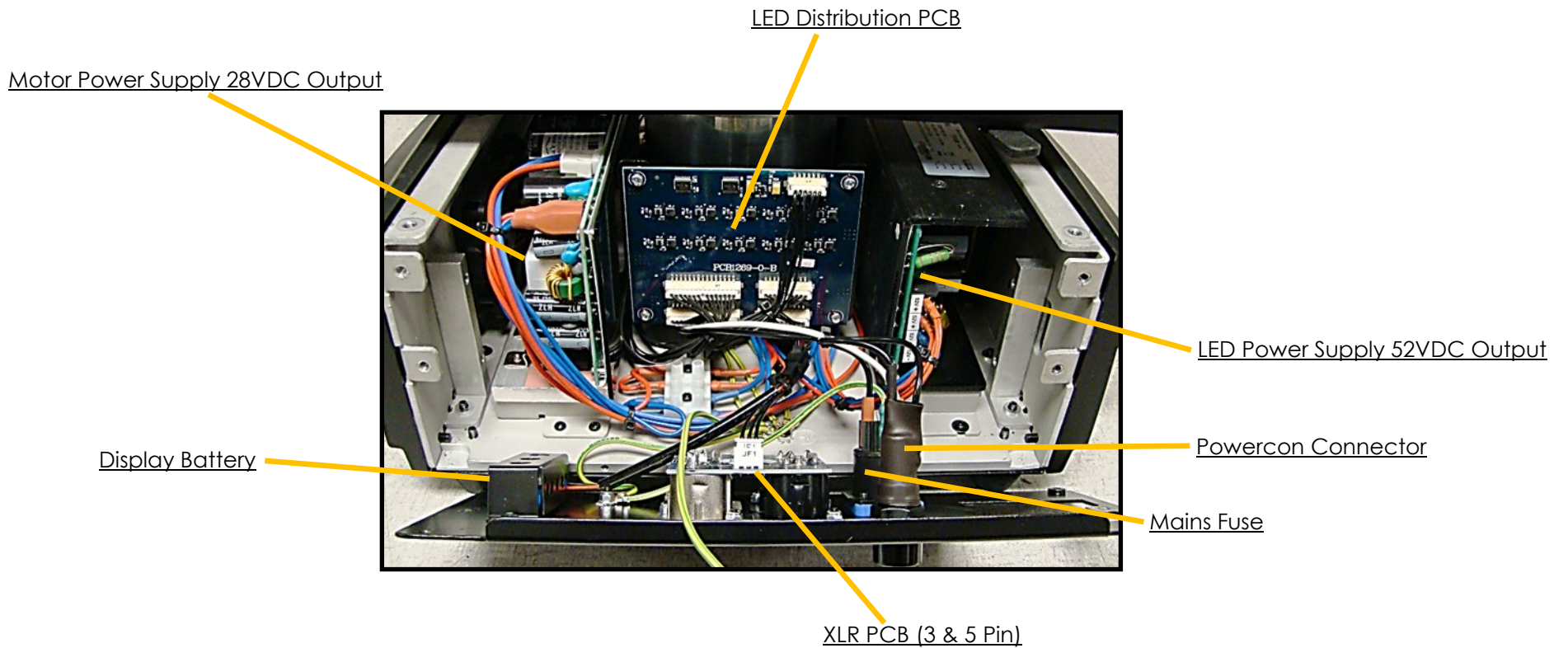

Remove 4X screws from front and rear panel
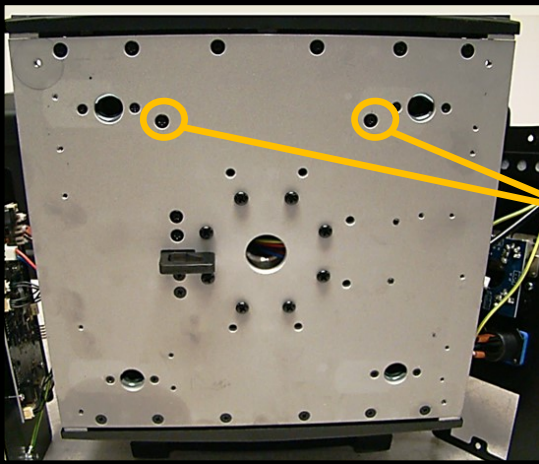
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Front Panel Components

LED Driver PCB

LED Power Supply 52VDC Output

PCB 3U:LED Control

PCB 1U: Display

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Rear Panel Components

LED Distribution PCB

Motor Power Supply 28VDC Output

LED Power Supply 52VDC Output

Display Battery

Powercon Connector

Mains Fuse

XLR PCB (3 & 5 Pin)

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Removing the Motor Power Supply

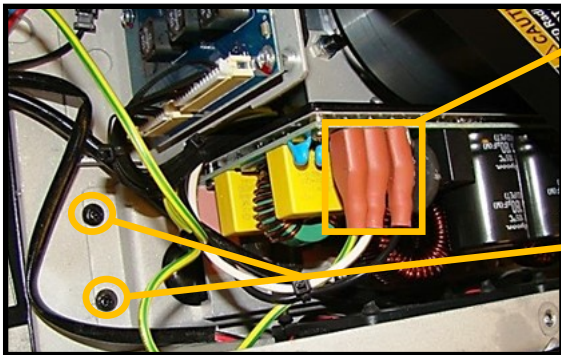Remove 4X rubber feet using a 3mm Hex tool

Remove 2X Philips head screws

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Removing the Motor Power Supply
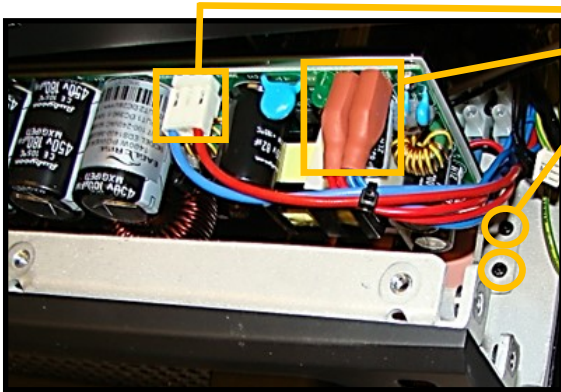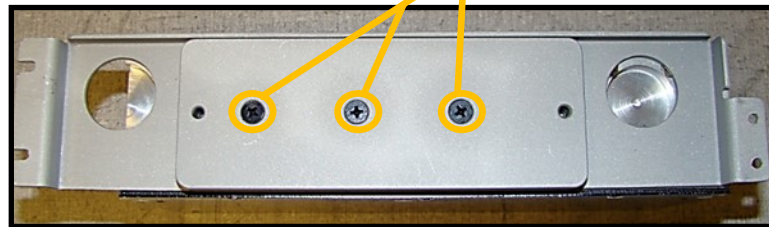
Remove output power connections

Remove 2X Philips screws
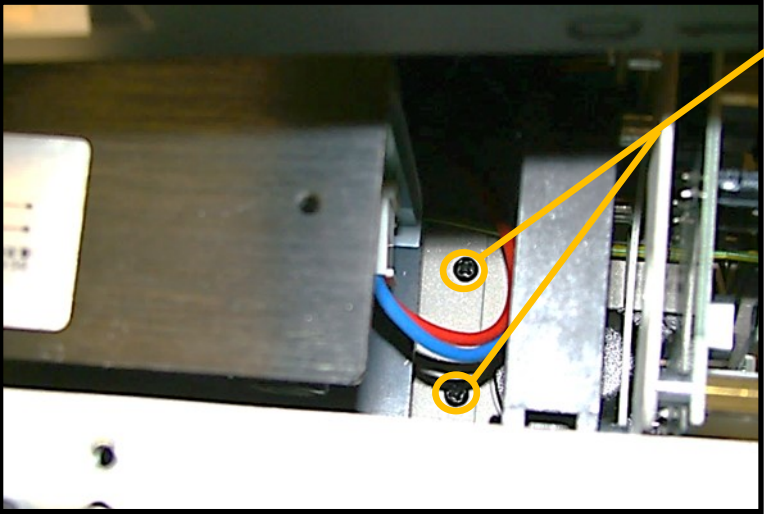
Remove input power connections
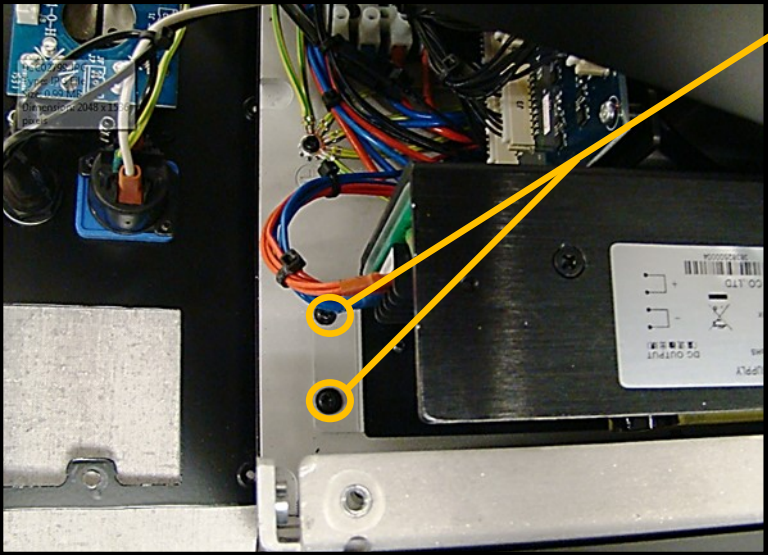
Remove 2X Philips screws

Remove 3X mounting screws

Remove mounting plate, add heat sink to new
Power Supply and install original mounting plate

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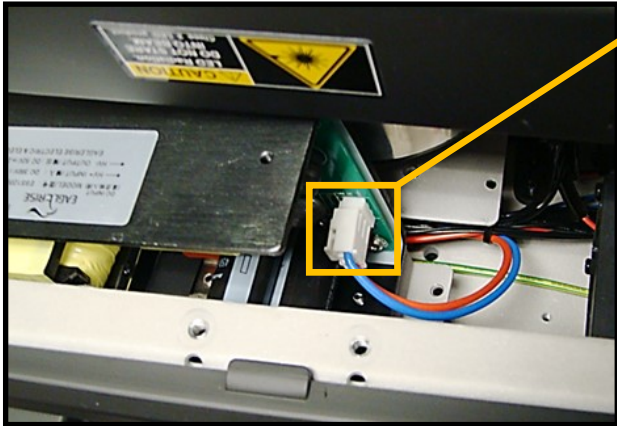## Removing the LED Power Supply

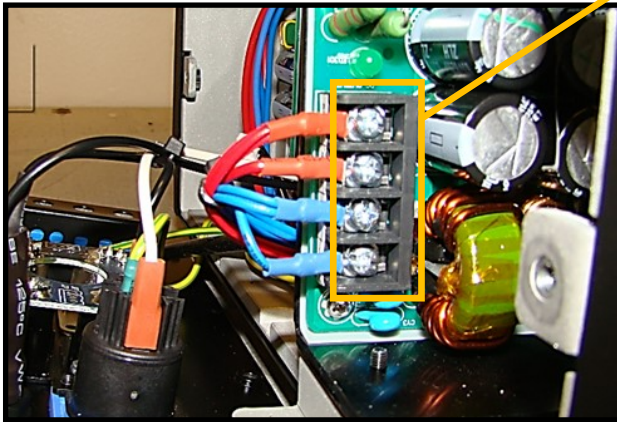

Remove 2X front mounting screws

Remove 2X rear mounting screws

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Removing the LED Power Supply

Disconnect power connector

Loosen 4X silver Philips screws and disconnect output wires from the terminal block

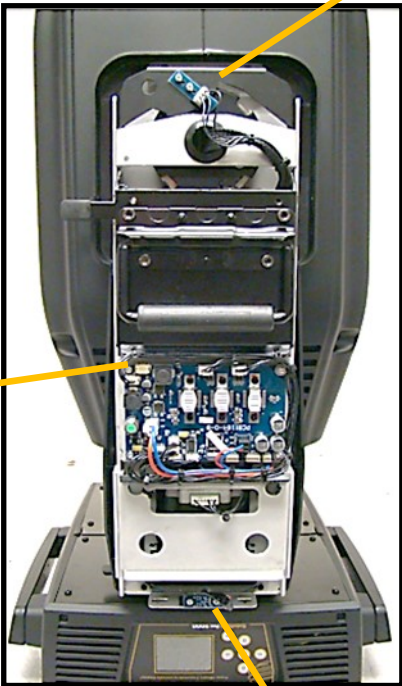Remove 2X Philips screw heads and remove existing mount

Add heatsink compound to the new Power Supply and install the existing mounting plate **before** installing
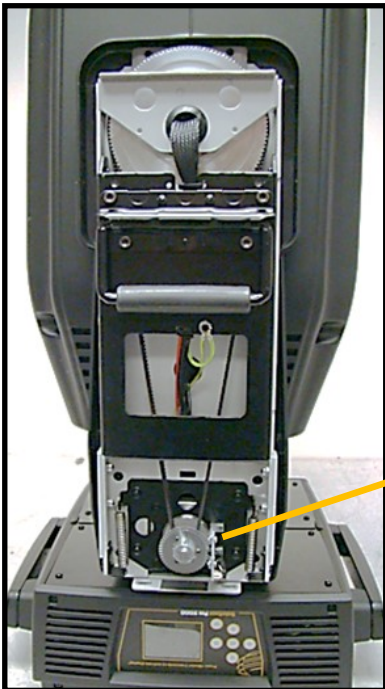
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Accessing the Yoke Components

Remove yoke arm covers, 2 per side
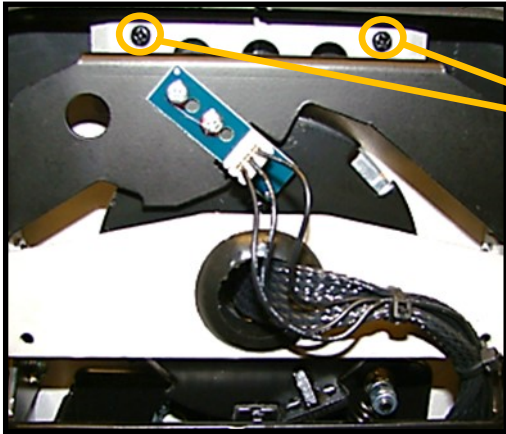
Tilt Sensor Homing

PCB 2U: Pan/Tilt

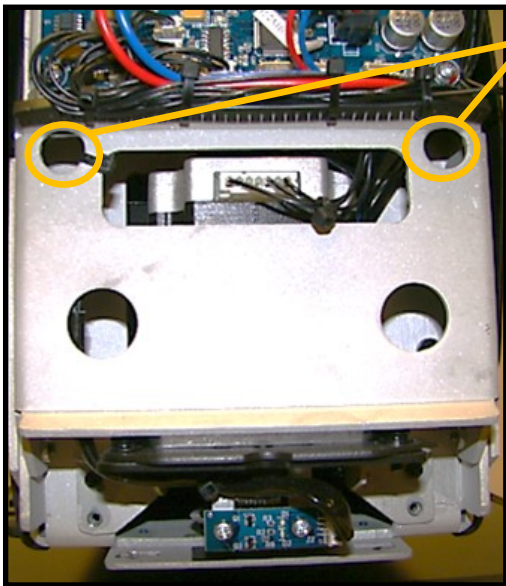Tilt Sensor Encoder

Pan Sensor Encoder

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Accessing the Pan Homing Sensor

Remove Yoke Cover on the side with the Pan/Tilt PCB:

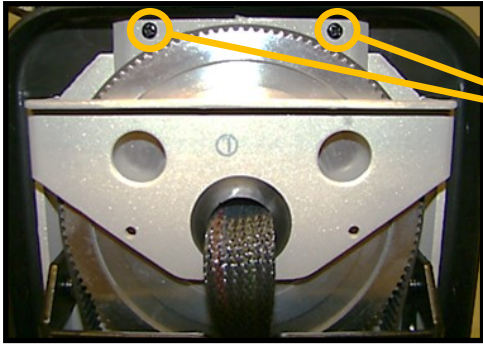Remove 2X Philips screws

Remove 4X Philips head screws through access holes
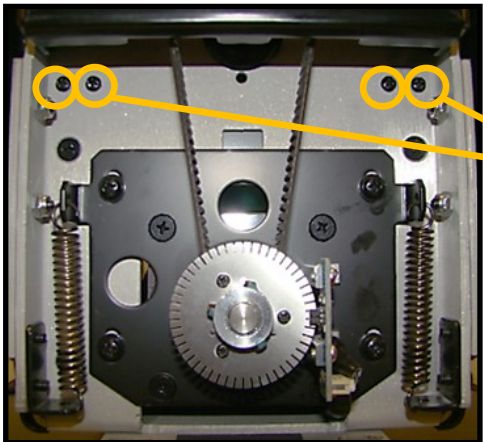
Note the different screw types

Loosen 2X Philips head screws on each side

Remove Yoke Cover

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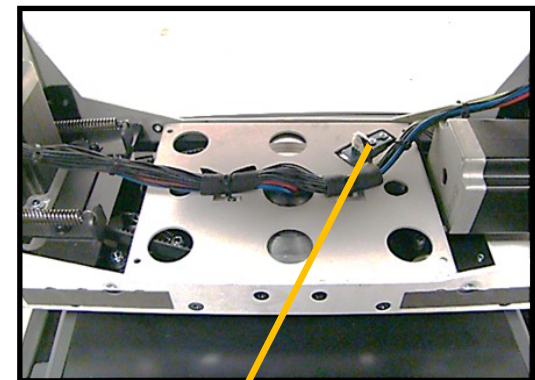## Accessing the Pan Homing Sensor

Remove Yoke Cover on the side with the Tilt Belt:

Remove 2X Philips head screws

Remove 4X Philips head screws

Note the different screw types

Loosen 2X yoke cover screws

Remove yoke cover

Pan Homing Sensor

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Accessing the Head Components

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

PCB 5U: Animation, Animation Rotate, Color, Iris

PCB 7U: CMY, CTO, Prism Rotate

Zoom Lens

PCB 4U: Gobo 1 & 2, Gobo 1 & 2 Rotation
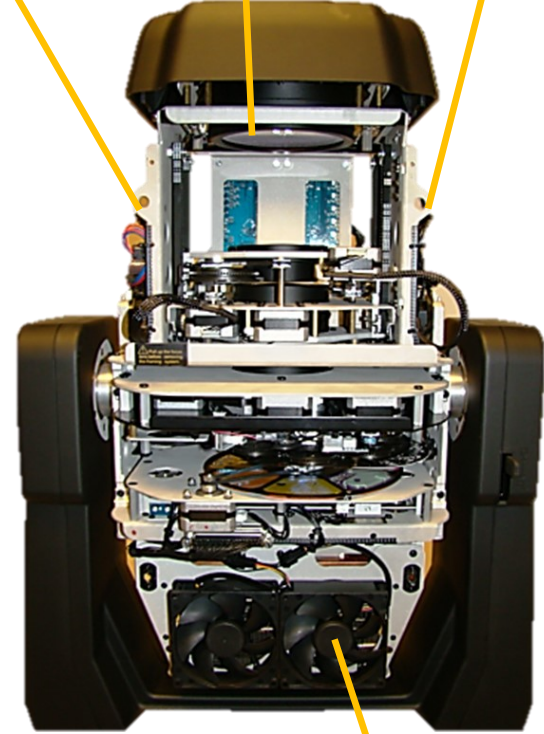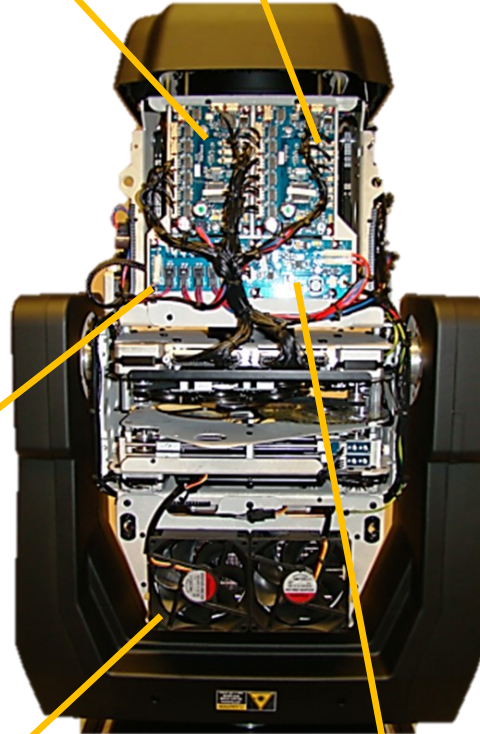
PCB 6U: Focus, Prism, Zoom

Power/Data Distribution PCB

LED Exhaust Fans

PCB 8U: Indigo Highlighter

LED Intake Fans

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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)
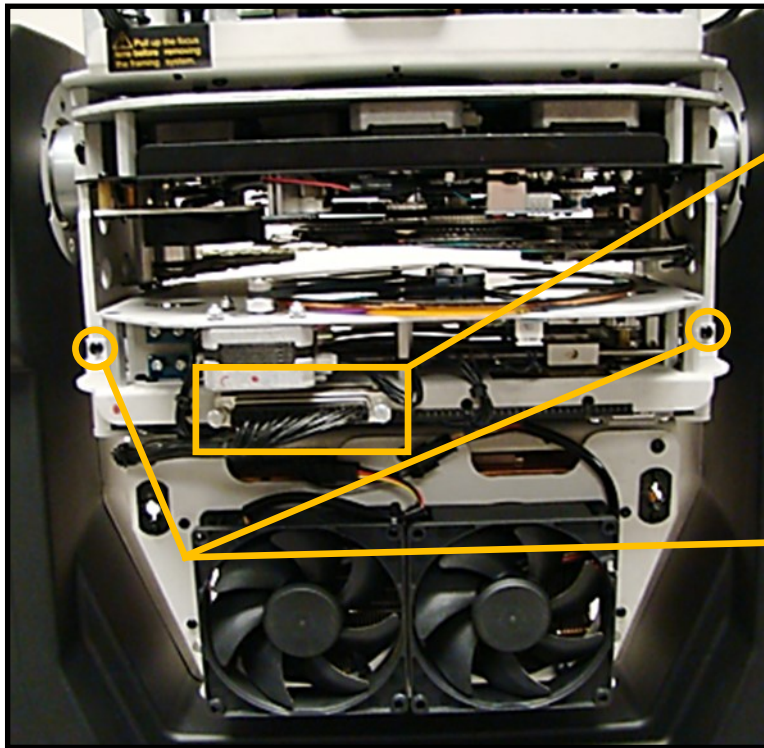
And slide the holder out towards you

Each gobo is held in by a retaining spring, remove this and be sure to install the gobo with the coated (black side) **away** from the LED source

Ice gobo in Gobo Wheel 1 and **Abstract** gobo in Gobo Wheel 2 holder contains the homing magnet sensor and must remain in the same position

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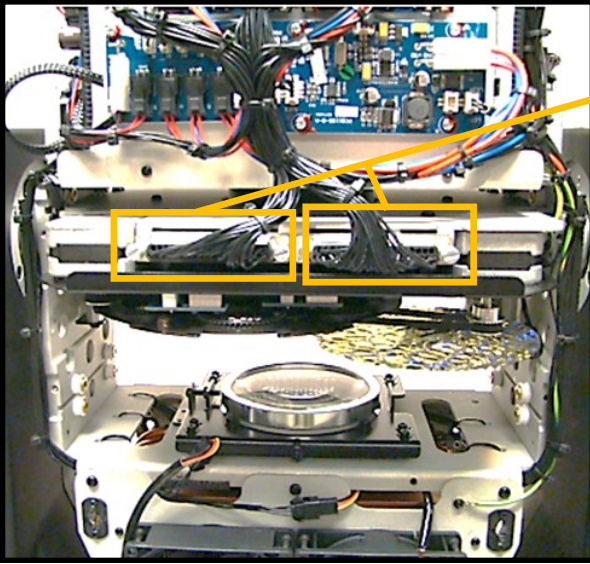## Removing the Color Mix Module

Remove module harness connector

Remove 2X Philips head screws
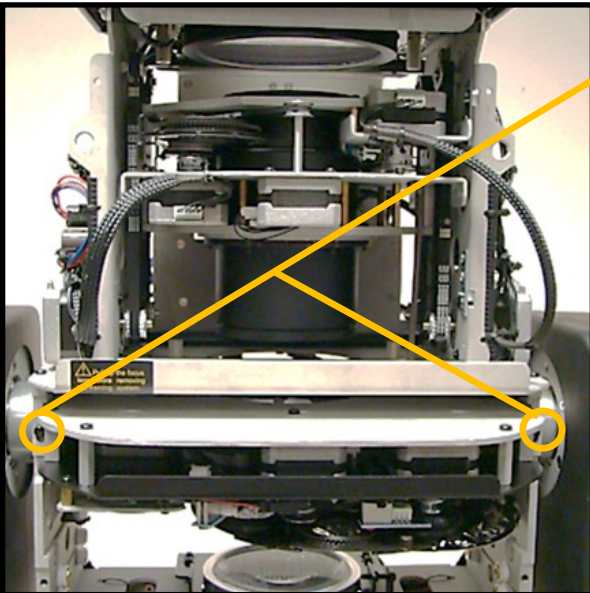
Carefully pull out module

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Removing the Gobo Module

Push up on the focus lens or tilt the fixtures head downwards to clear the module being removed
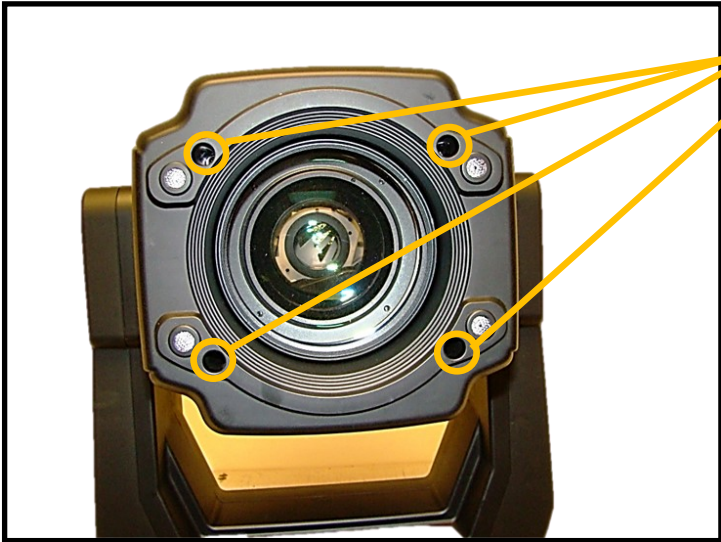

Remove 2X module harness connectors

Remove 2X Philips head screws
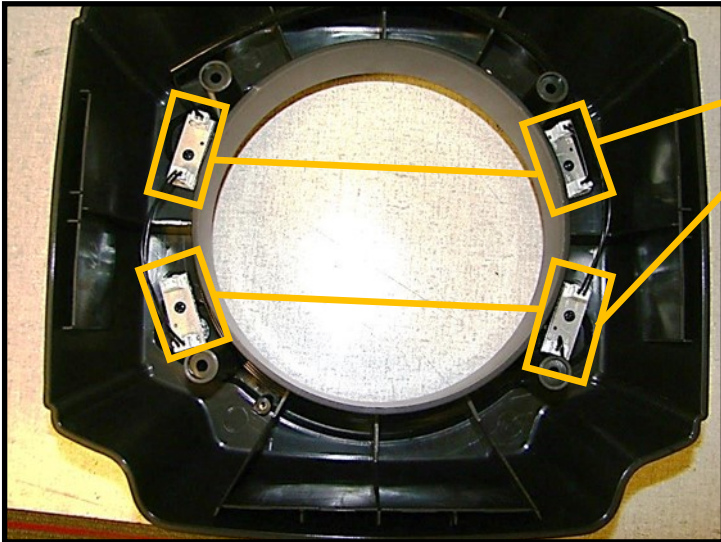
Carefully pull out module

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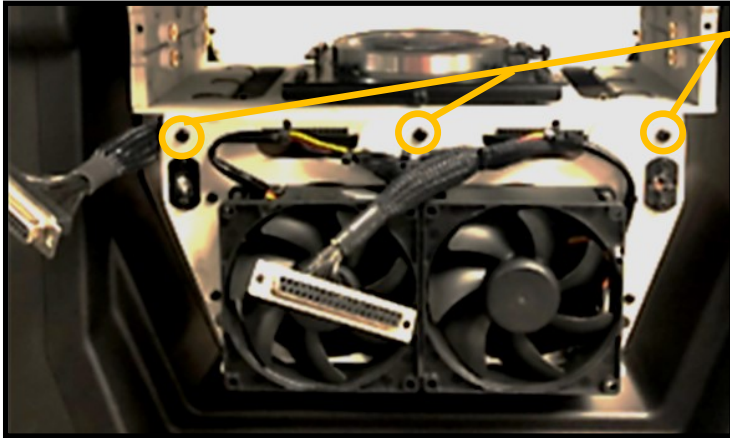## Removing the Front Head Cover

Remove 4X Philips screws

Indigo Highlighters
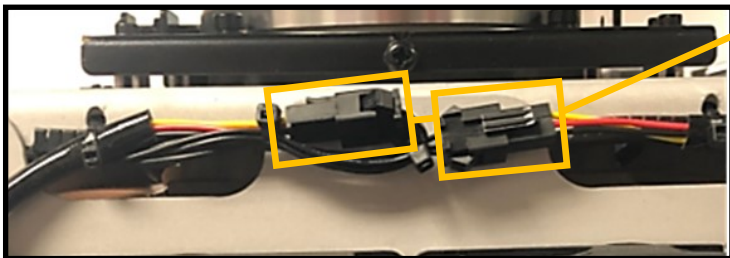
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Replacing the LED Light Engine

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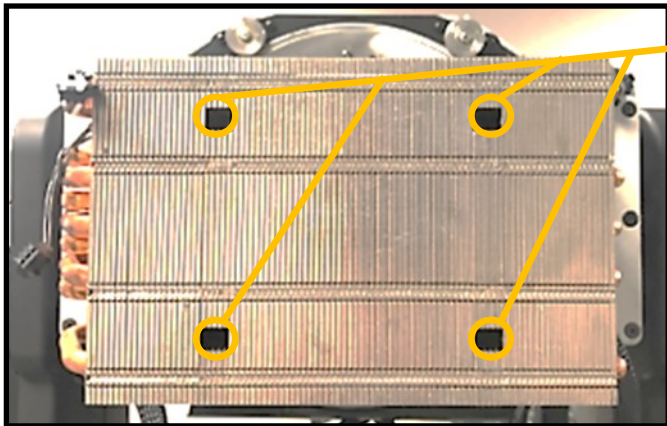

Remove ground wire on one side

Disconnect fan wires on both sides

Cut tie wraps as needed to free harnesses from fan plates
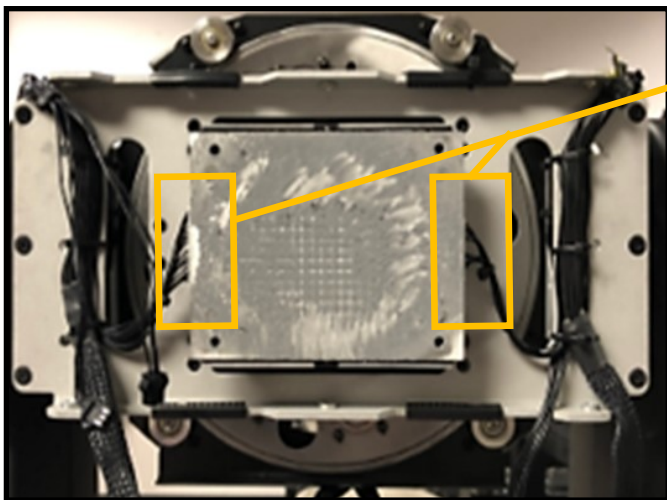
Remove fan plate

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Replacing the LED Light Engine

Remove 4X Philips head screws to remove LED heatsink

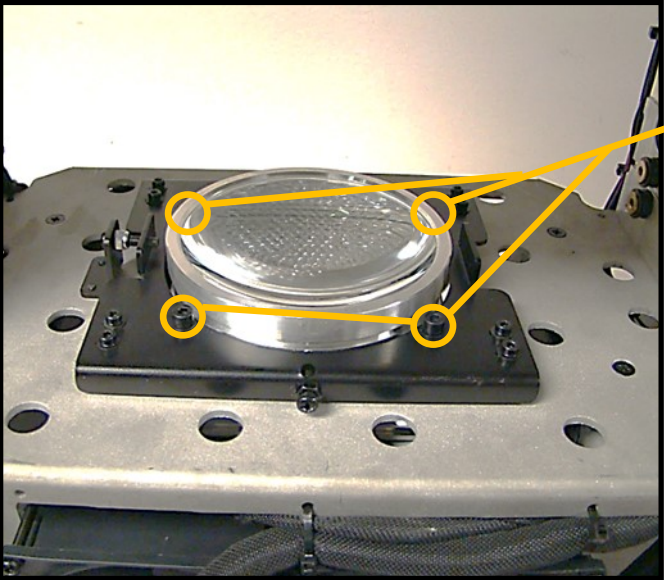*Watch out for the heat sink compound and be sure to keep the heatsink supported while removing the screws*

Disconnect both LED harnesses

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

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Replacing the LED Light Engine

Remove 4X Hex screws using a 3mm Hex

Apply fresh heatsink compound
to new LED Light Engine

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<u>PCB Identifiers</u>

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