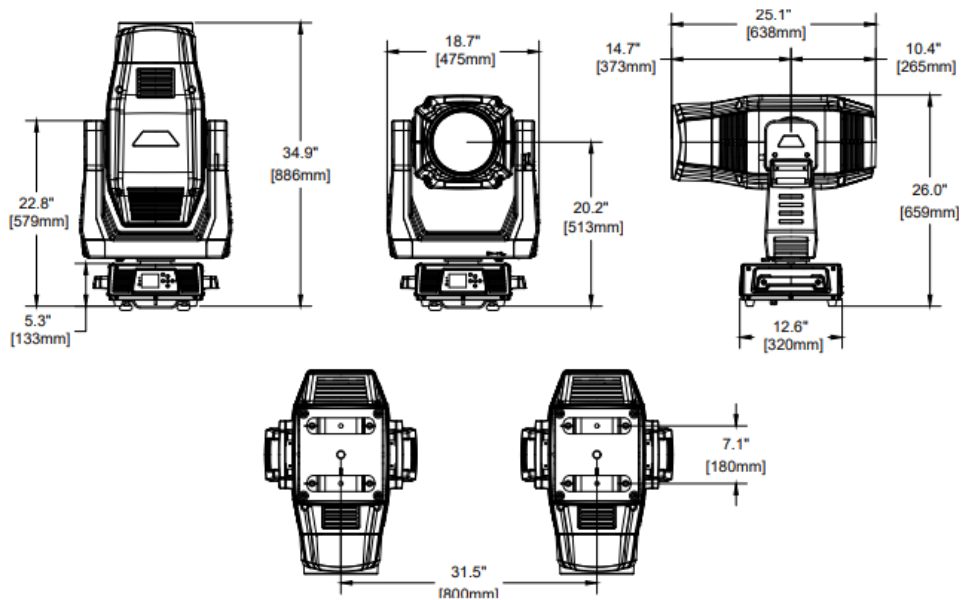




HIGH END SYSTEMS

SolaWash 2000



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Accessing the Electronics



Remove 4X Philips head screws on each top cover

Disconnect Ground Wire underneath covers

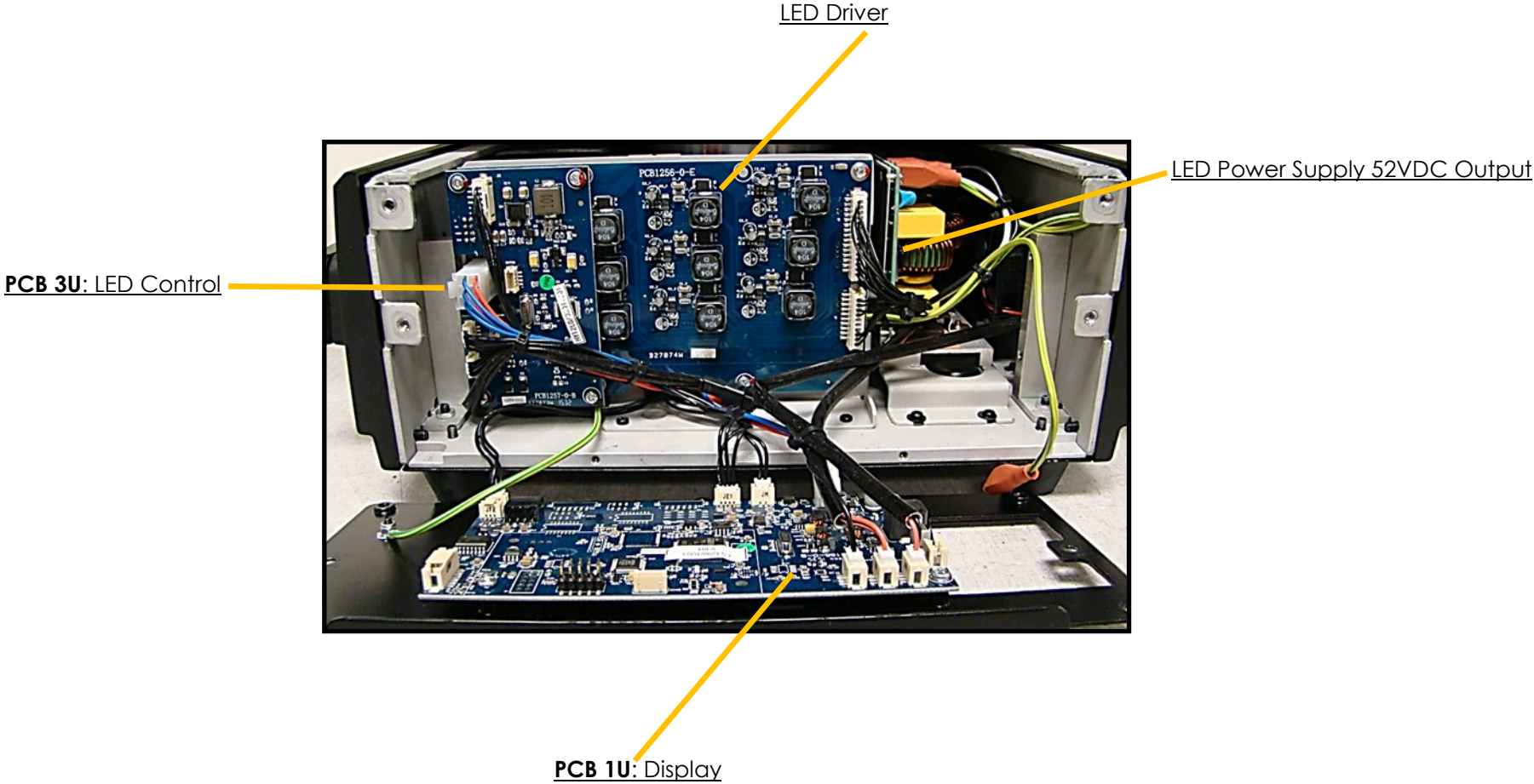
Remove 5X Philips head screws on the front and rear panel covers



PCB Junction Base

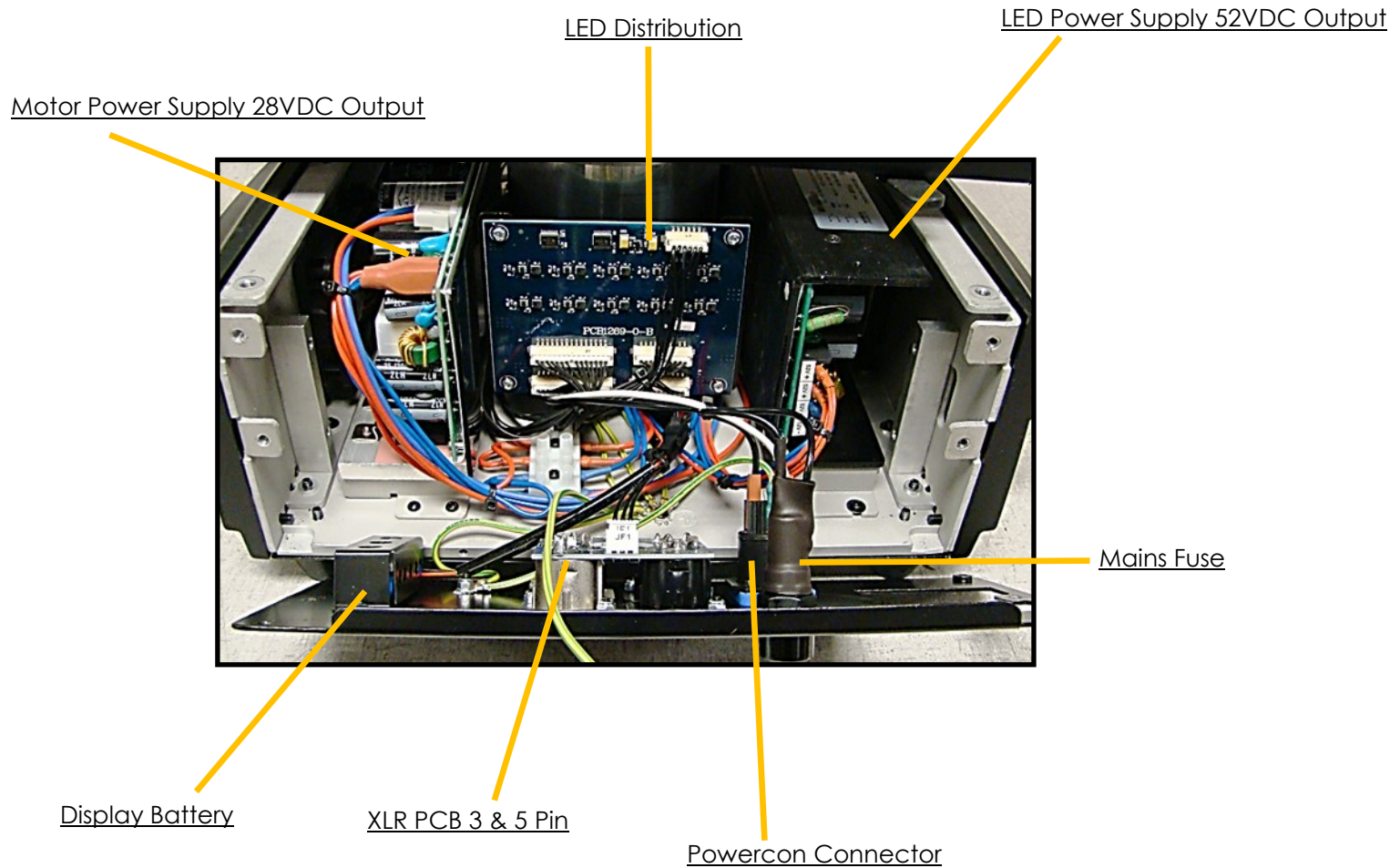
SolaWash 2000

Front Panel Components



SolaWash 2000

Rear Panel Components



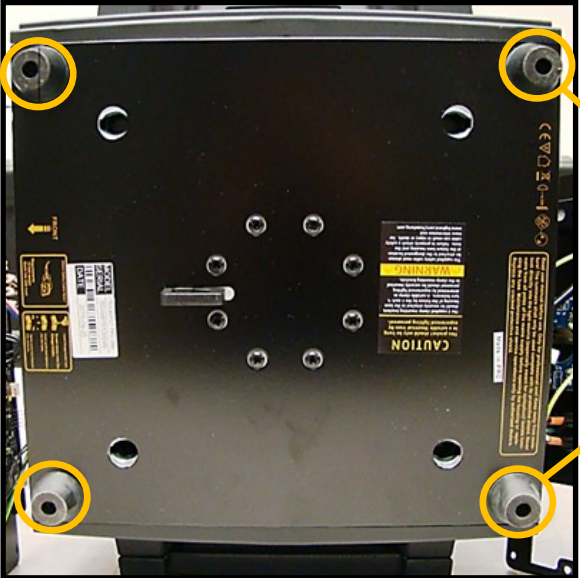
DC Wiring:

Blue is -

Red is +

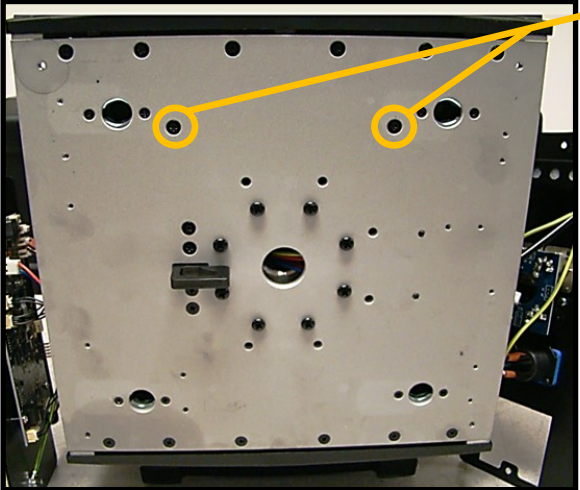
SolaWash 2000

Removing the Motor Power Supply



Lay the fixture carefully on its side

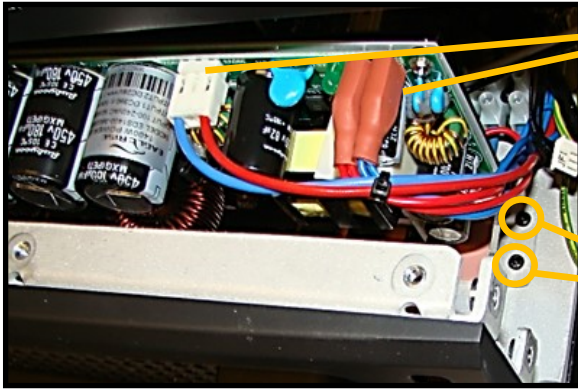
Remove 4X rubber feet using a 3mm HEX tool



Remove 2X Philips head screws

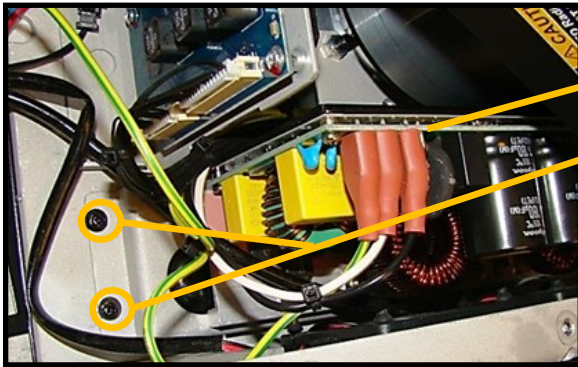
SolaWash 2000

Removing the Motor Power Supply



Remove output power connectors

Remove 2X Philips head screws

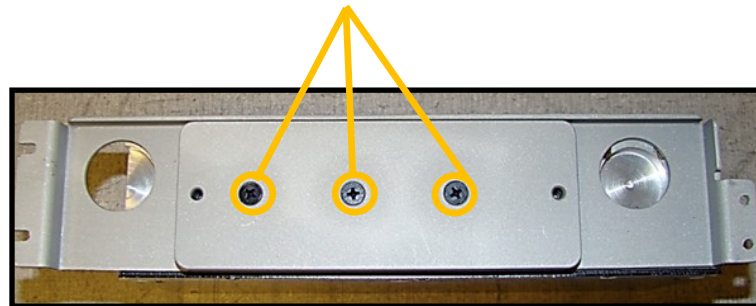


Remove input power connections

Remove 2X Philips screws

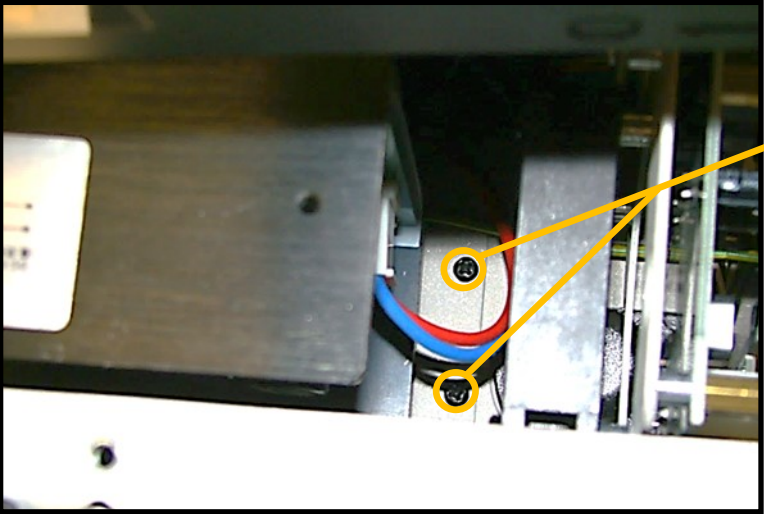
Remove 3X mounting screws and install onto new Power Supply

Add heat sink compound to the new Power Supply before installing onto a mounting plate

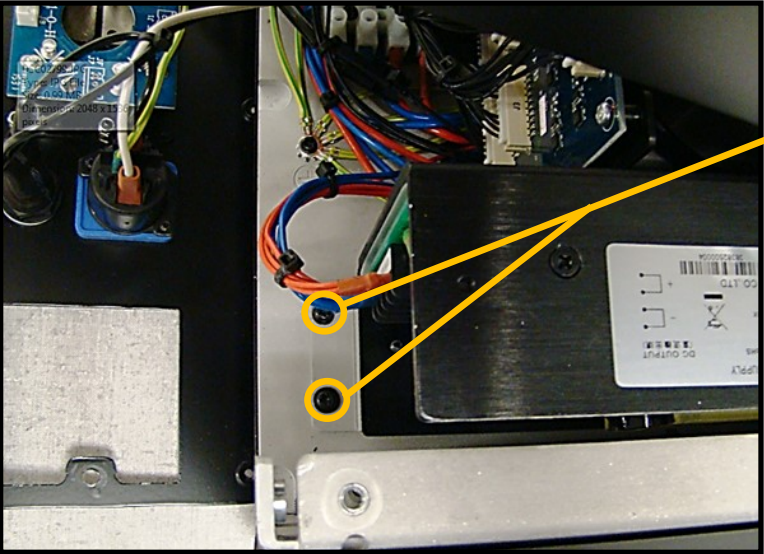


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Removing LED Power Supply



Remove 2X front mounting screws using magnetized Philips head



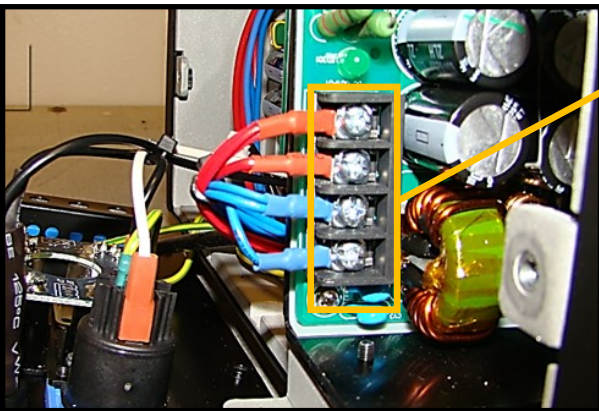
Remove 2X rear mounting screws

SolaWash 2000

Removing LED Power Supply

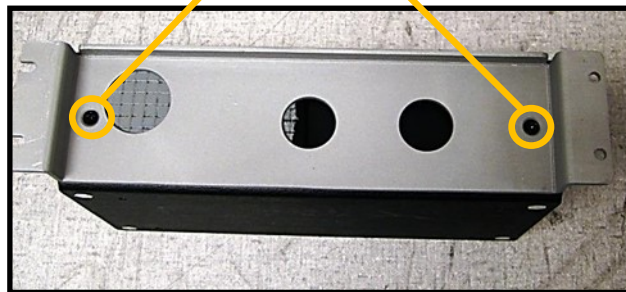


Disconnect power connector



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

Remove the Power Supply mount by removing 2X Philips screws



Apply heat sink compound to the original mount and install on the new Power Supply

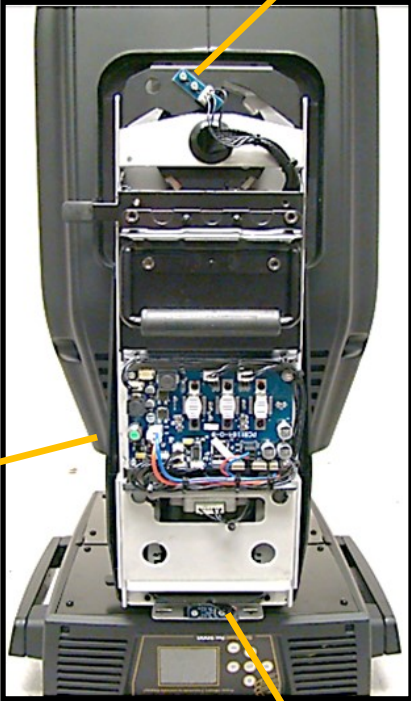
SolaWash 2000

Accessing the Yoke

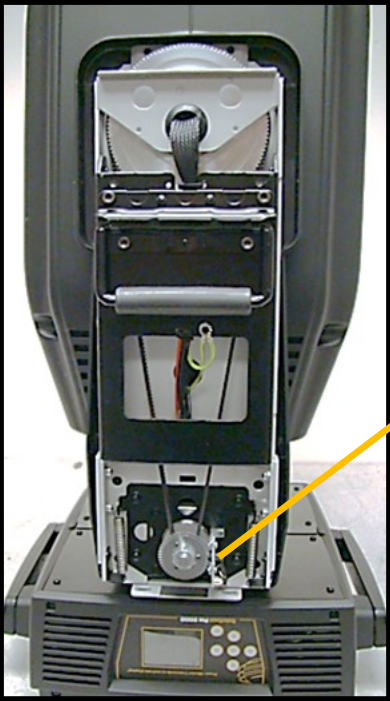


Remove yoke arm cover screws, 2 on each side

Tilt Homing Sensor



PCB 2U: Pan/Tilt

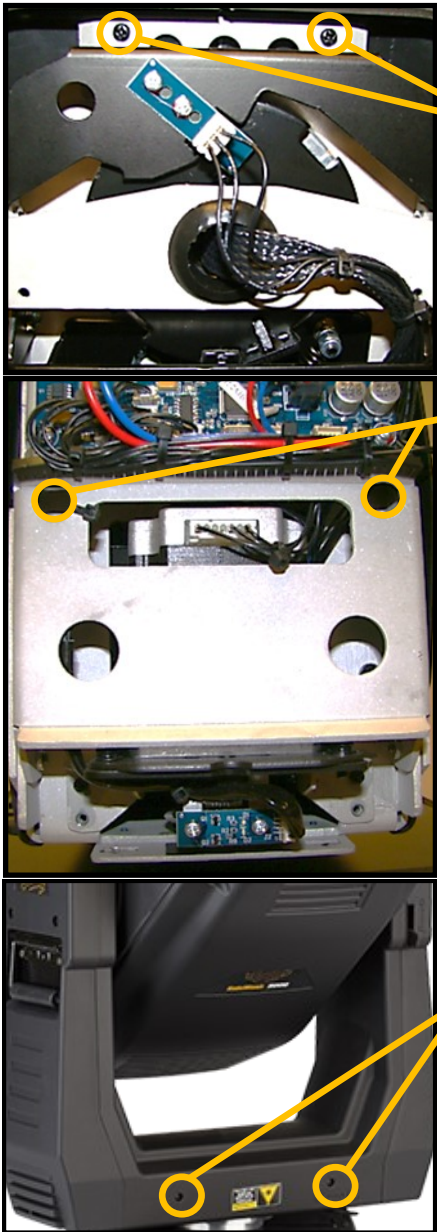


Sensor Tilt Encoder

Sensor Pan Encoder

SolaWash 2000

Accessing the Pan Homing Sensor/Removing



Remove yoke cover on Pan/Tilt PCB
Side:

Remove 2X screws at the top

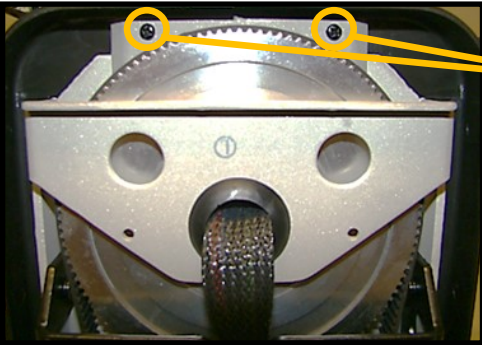
Remove 4X screws through access
holes

Note the different screw types

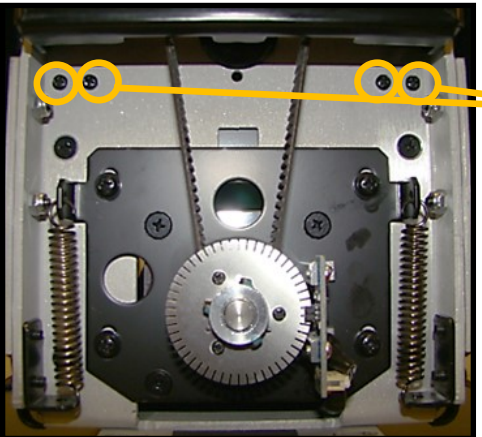
Loosen 2X yoke cover screws on the
front/rear of the yoke

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Accessing the Pan Homing Sensor/Removing Yoke Covers



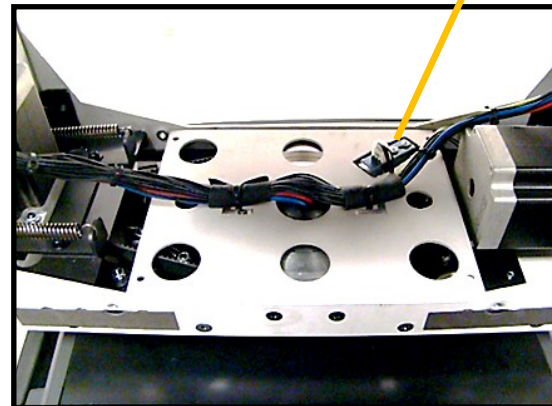
Remove yoke cover on Tilt Belt side:
Remove 2X screws at the top



Remove 4X screws towards the bottom
Note the different screw types



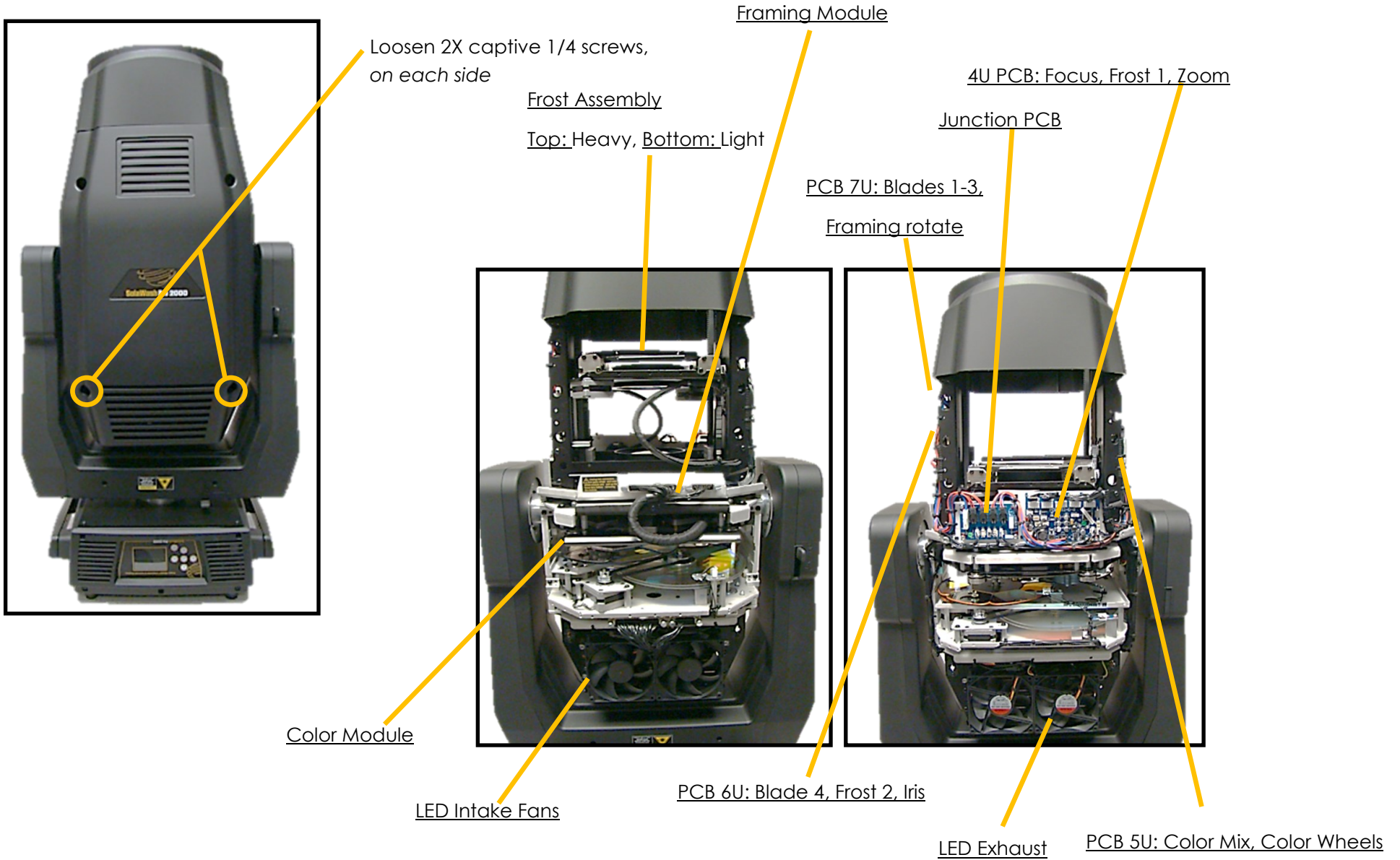
Loosen 2X cover screws on the
front/rear of the fixture



Pan Homing Sensor

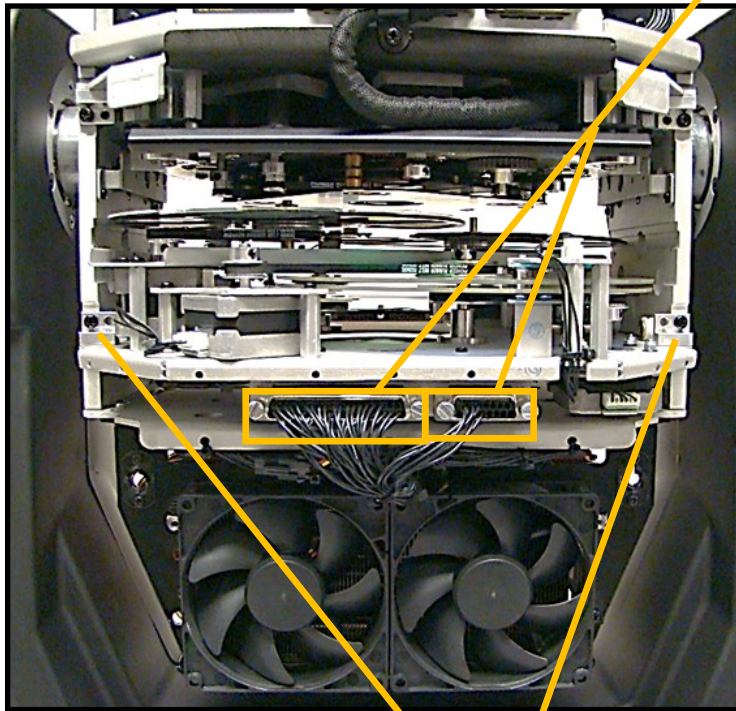
SolaWash 2000

Head Components



SolaWash 2000

Removing the Color Mix Module



Remove 2x module harness connectors

If thumb screws are used, feel free to remove completely as they are no longer used in production units

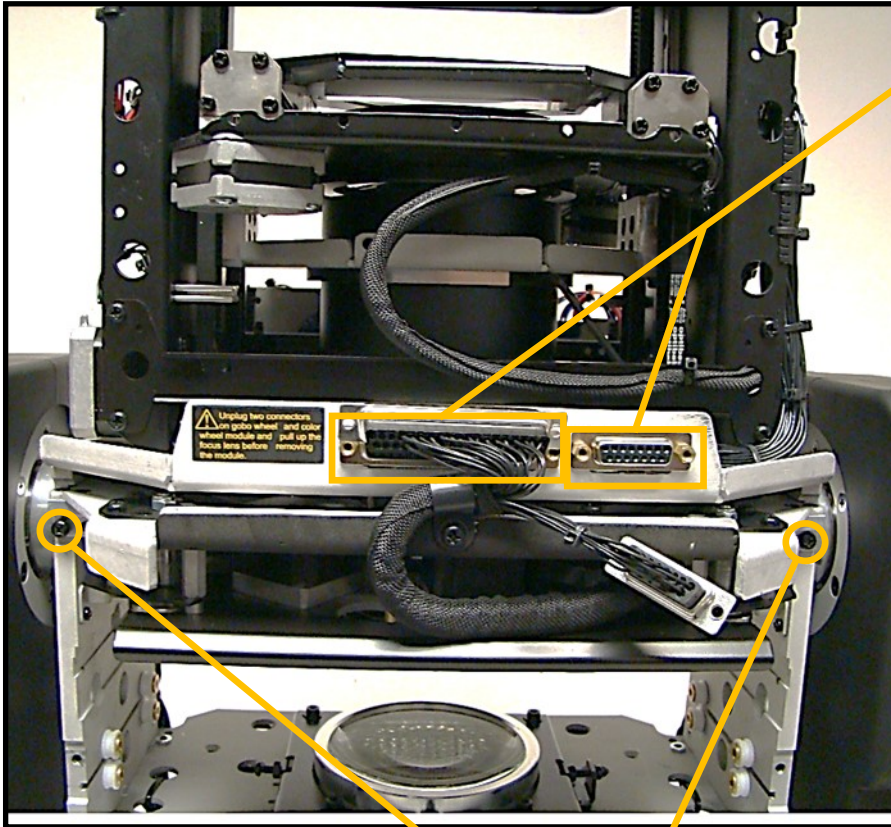
Remove 2X Philips head screws
Carefully pull out module

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Removing the Framing Module

Pull up on the focus & zoom assembly or tilt the fixture head downward to clear the path for the module to be removed

Unseat 2X module harness connects

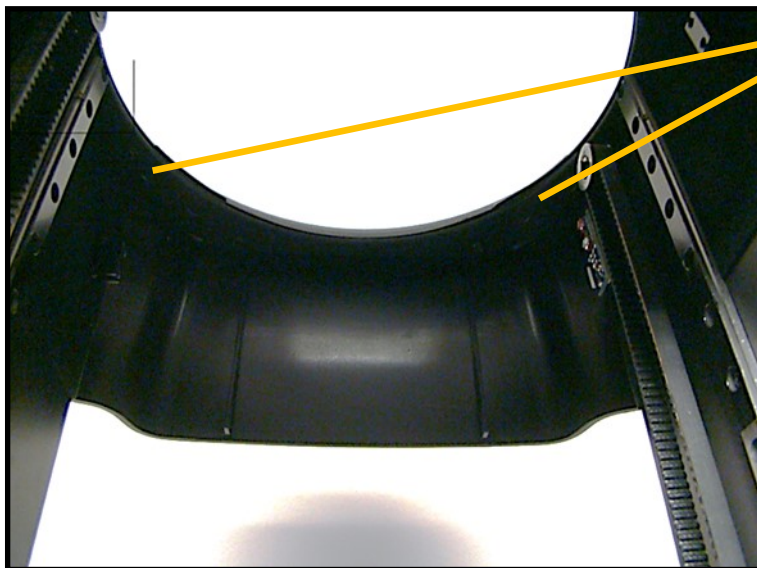


Unplug two connectors
Turn gyro wheel and color wheel module and pull up the focus lens before removing the module.

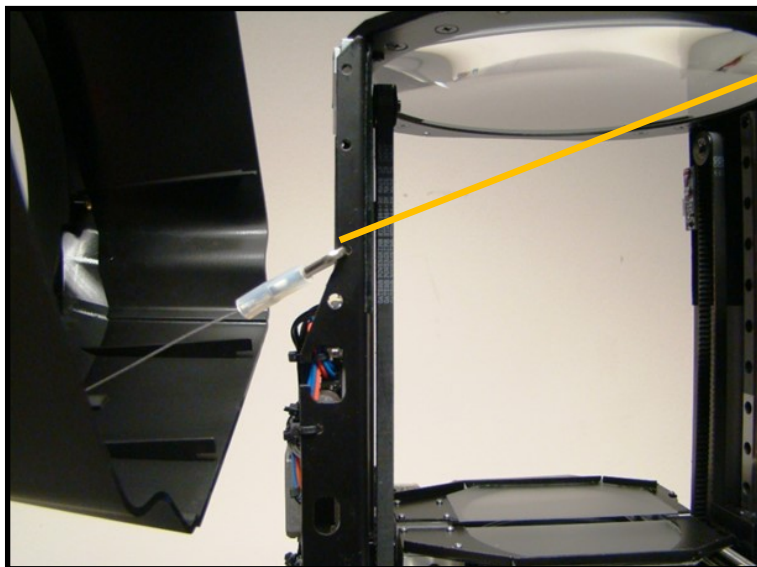
Remove 2X Philips head screws
Carefully pull out module

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Removing the Front Head Cover



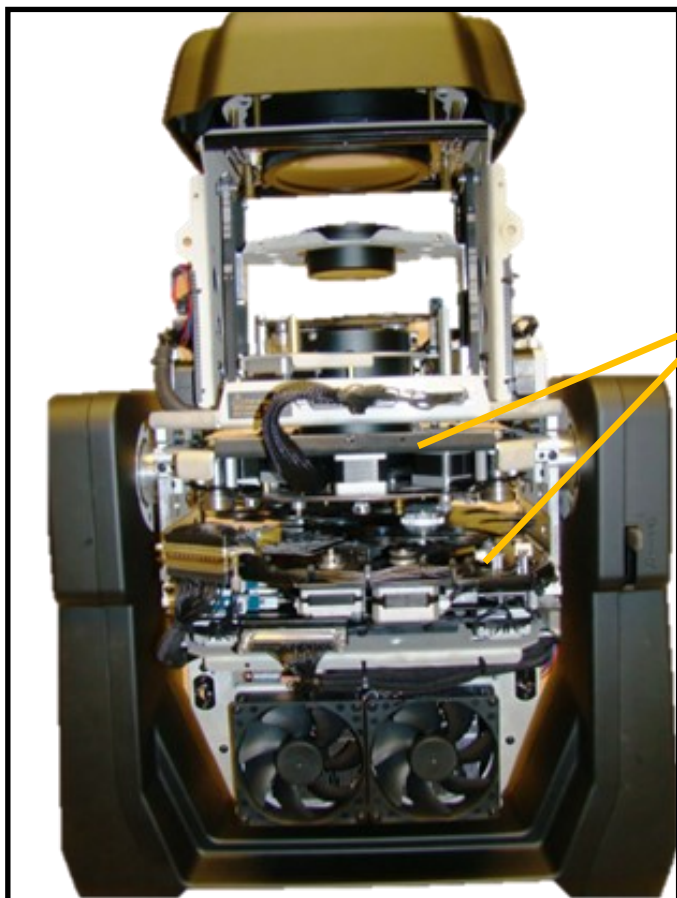
Remove 4X Philips Head screws, 2 on each side



Disconnect Safety Cable

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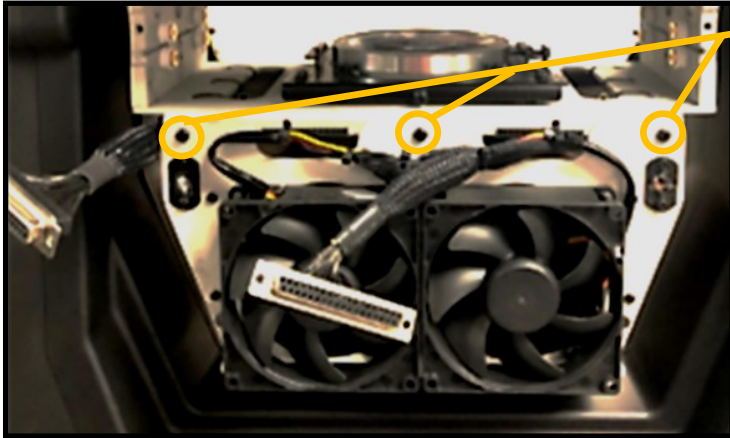
Replacing the LED Light Engine



Remove the Framing Module and Color Module, see earlier pages

Solawash 2000

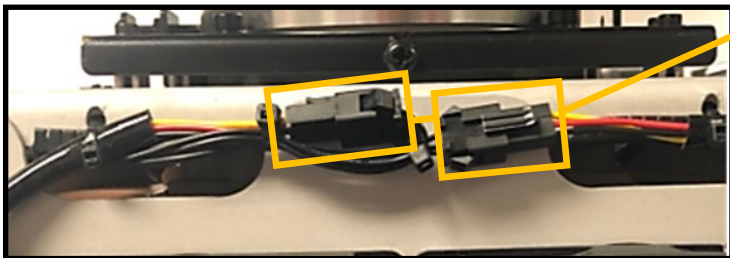
Replacing the LED Light Engine



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



Remove ground wire on one side



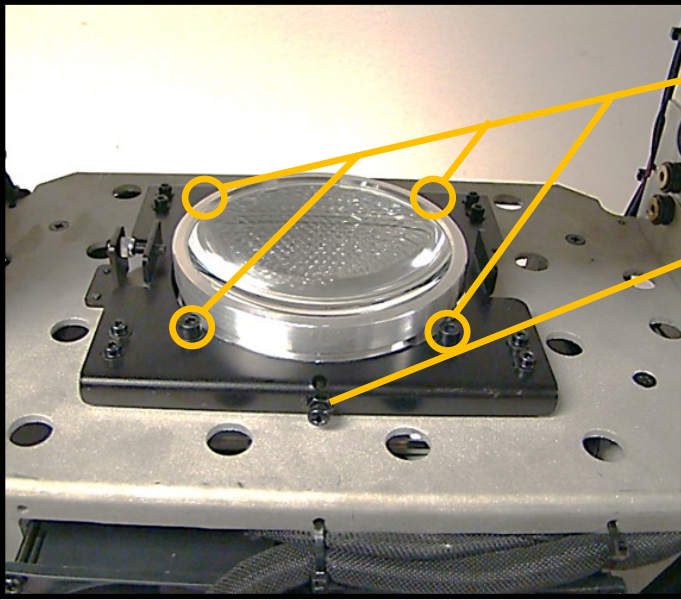
Disconnect fan wires on both sides

Cut tie wraps as needed to free harnesses from fan plates

Remove fan plate

Solawash 2000

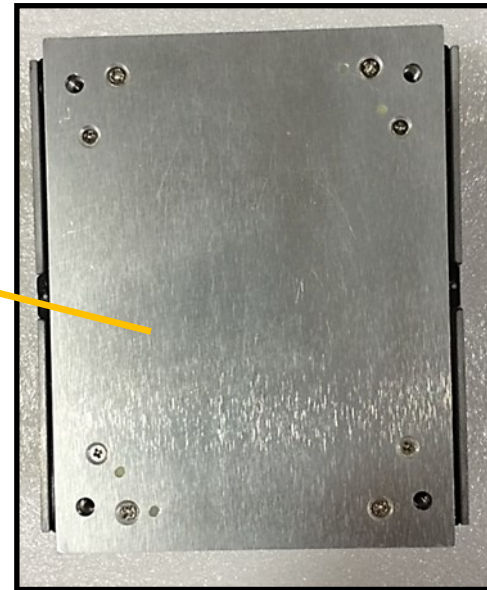
Accessing the Electronics



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



SolaWash 2000

PCB Identifiers

PCB Software ID	Controls
1U	Display
2U	Pan, Tilt
3U	LED Control
4U	Focus, Zoom, Frost 1
5U	CMY, CTO, Color Wheel
6U	Blade 4, Iris, Frost 2
7U	Blades 1-3, Framing Rotation