

# OtO Photonics Maintenance Guide

## Manual of DH lamp replacement (LS-DH Series)



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Manual of DH lamp replacement -200226 Rev.1

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## Maintenance Guide






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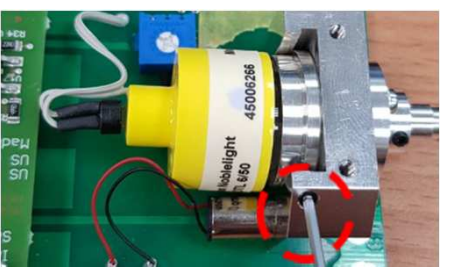

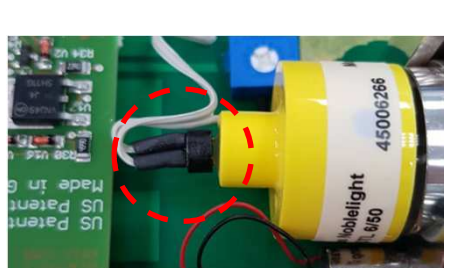

## Maintenance Guide

### 1. DH Lamp Replacement

Step	Picture	Description
1.		<p>Tools Preparation:</p> <ul style="list-style-type: none"><li>① LS-DH-2</li><li>② New replacement lamp</li><li>③ Screwdriver</li><li>④ 1.5mm Allen key</li></ul>
2.		<p>There are 4 screws located at the bottom of the LS-DH-2, as shown in the left picture.</p>
3.		<p>Unscrew these 4 screws on LS-DH-2. (Place SMA905 to the right direction is recommended)</p>
4.		<p>Slightly shift the bottom cover to the right.</p>
5.		<p>Disassemble the bottom Cover. (It is no need to disassemble the cable)</p>

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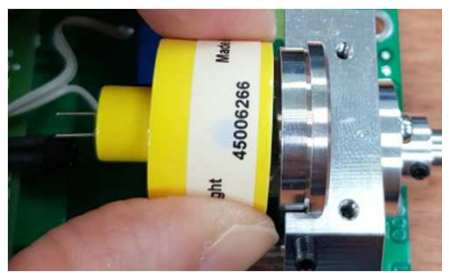
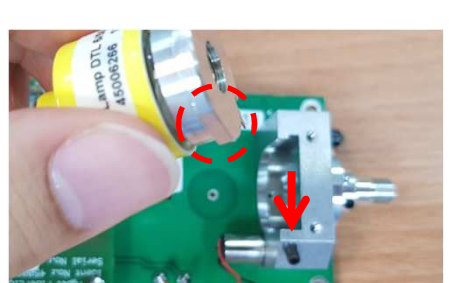
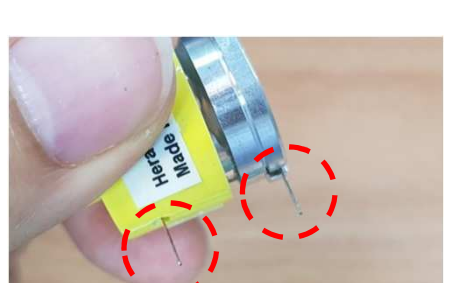
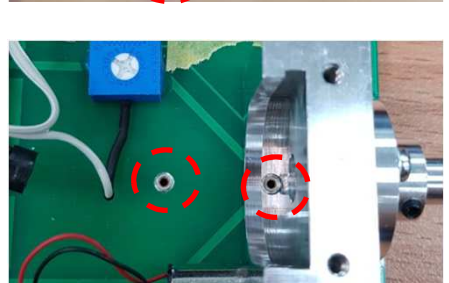

Step	Picture	Description
6.		The left picture shows the position of the lamp.
7.		Unscrew the hex socket set screw by using 1.5mm Allen key. The location of hex socket set screw as shown in the left picture.
8.		Half unscrew and keep hex socket set screw staying in place.
9.		Remove the power cord of halogen lamp.
10.		Unplug the power cord.

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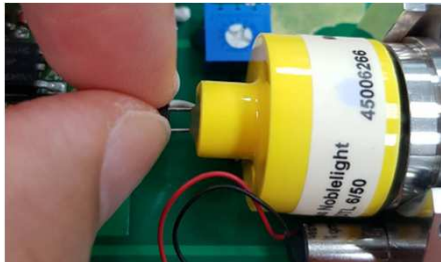




Step	Picture	Description
11.		<p>Unplug the lamp upward. Please loose more on the hex socket set screw if the procedure is not smooth.</p>
12.		<p>Install the new lamp and please note there is an error-proofing design as shown in the left picture.</p>
13.		<p>There are two power supply pins of deuterium lamp located at the bottom of the lamp.</p>
14.		<p>The location of power supply pinholes are shown in the left picture.</p>
15.		<p>Assemble the lamp.</p>

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Step	Picture	Description
16.		Plug the power cord of halogen lamp. The power cord is no positive/negative difference.
17.		Screw up the hex socket set screw.
18.		Lamp replacement complete.
19.		Assemble the bottom cover back.
20.		Screw up the 4 screws. All the replacement procedures are done

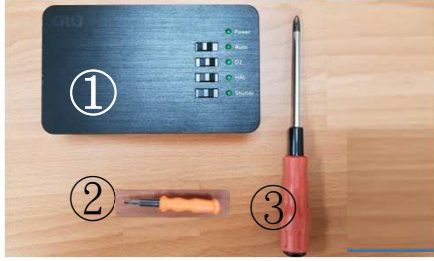




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### 2. DH Lamp\_Halogen Lamp Adjustment

Step	Picture	Description
1.	 A photograph showing the LS-DH-2 component (labeled 1), a flathead screwdriver (labeled 2), and a screwdriver (labeled 3) on a wooden surface.	<p>Tools Preparation:</p> <ul style="list-style-type: none"><li>① LS-DH-2</li><li>② Flathead screwdriver</li><li>③ Screwdriver</li></ul>
2.	 A photograph of the LS-DH-2 component with four screws at the bottom corners circled in red.	<p>There are 4 screws located at the bottom of the LS-DH-2, as shown in the left picture.</p>
3.	 A photograph showing a screwdriver being used to unscrew one of the four screws on the LS-DH-2 component.	<p>Unscrew these 4 screws on LS-DH-2. (Place SMA905 to the right direction is recommended)</p>
4.	 A photograph showing hands slightly shifting the bottom cover of the LS-DH-2 component to the right.	<p>Slightly shift the bottom cover to the right.</p>
5.	 A photograph showing the bottom cover being disassembled from the LS-DH-2 component, revealing the internal circuitry.	<p>Disassemble the bottom Cover. (It is no need to disassemble the cable)</p>

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Step	Picture	Description
6.		The left picture shows the position of the blue variable resistor.
7.		Enlarge the picture.
8.		Use Flathead screwdriver turn clockwise and counterclockwise to enhance or reduce the intensity of halogen light.
9.		Assemble the bottom cover back.
10.		Screw up the 4 screws. All the replacement procedures are done

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