

Apollo Green Laser Replacement Procedure



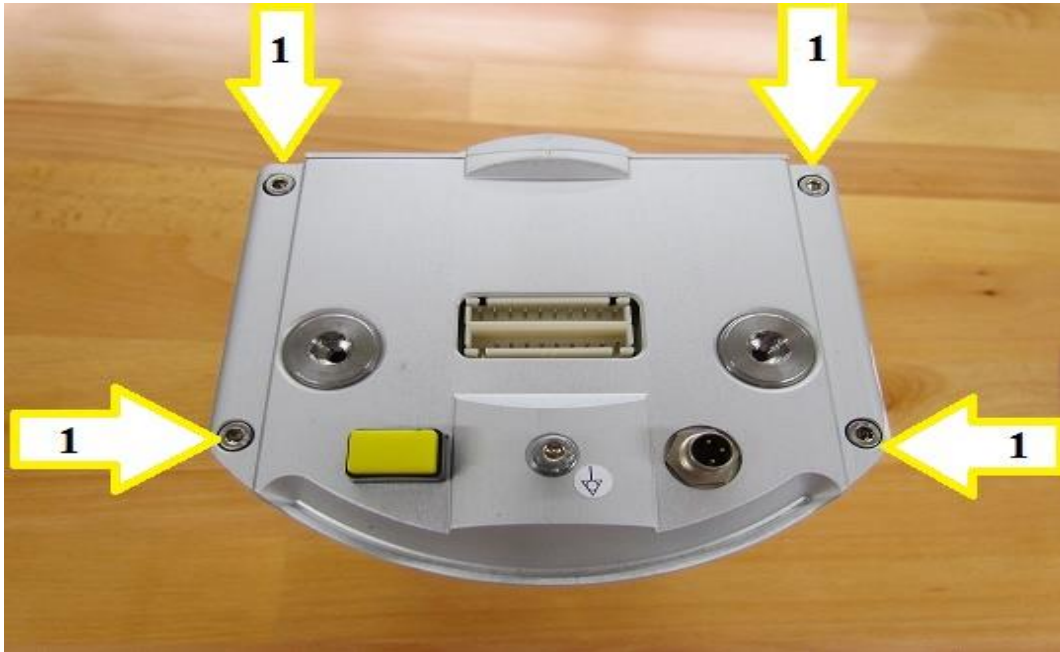
August 2016
Version 1.00

Apollo Green Laser Replacement Specifications:

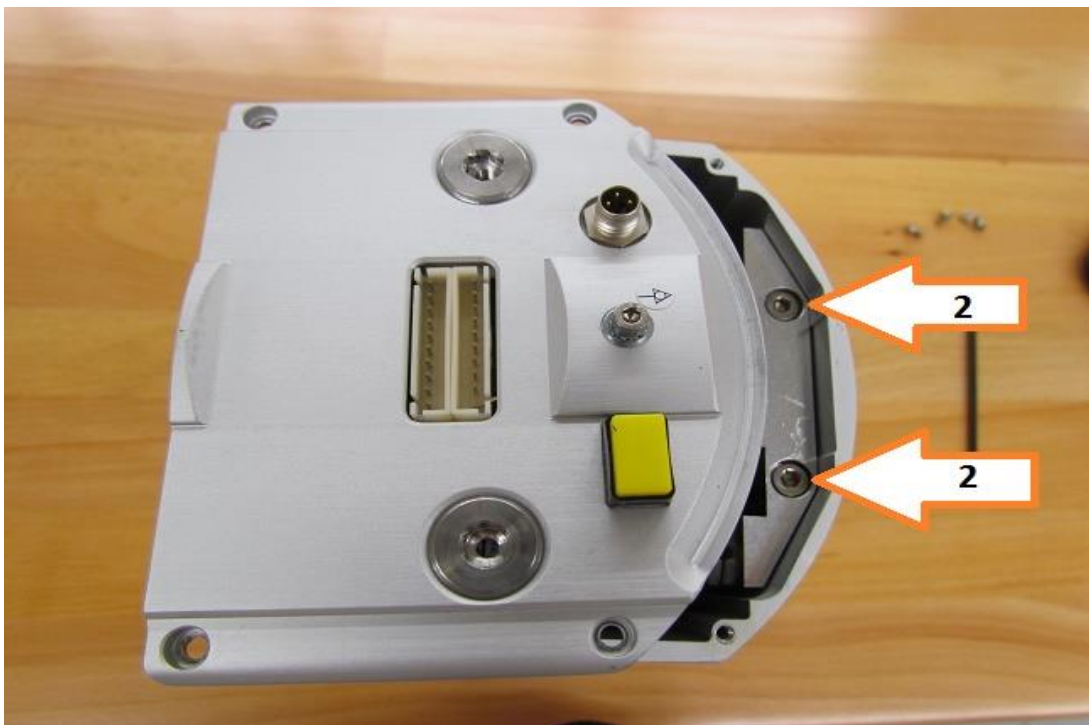
- *532nm Wavelength*
- *Green $1mV$ output power*
- *Average .75mW*
- *Beam Diameter at source 1.5mm*
- *Voltage 3-5.5VDC*



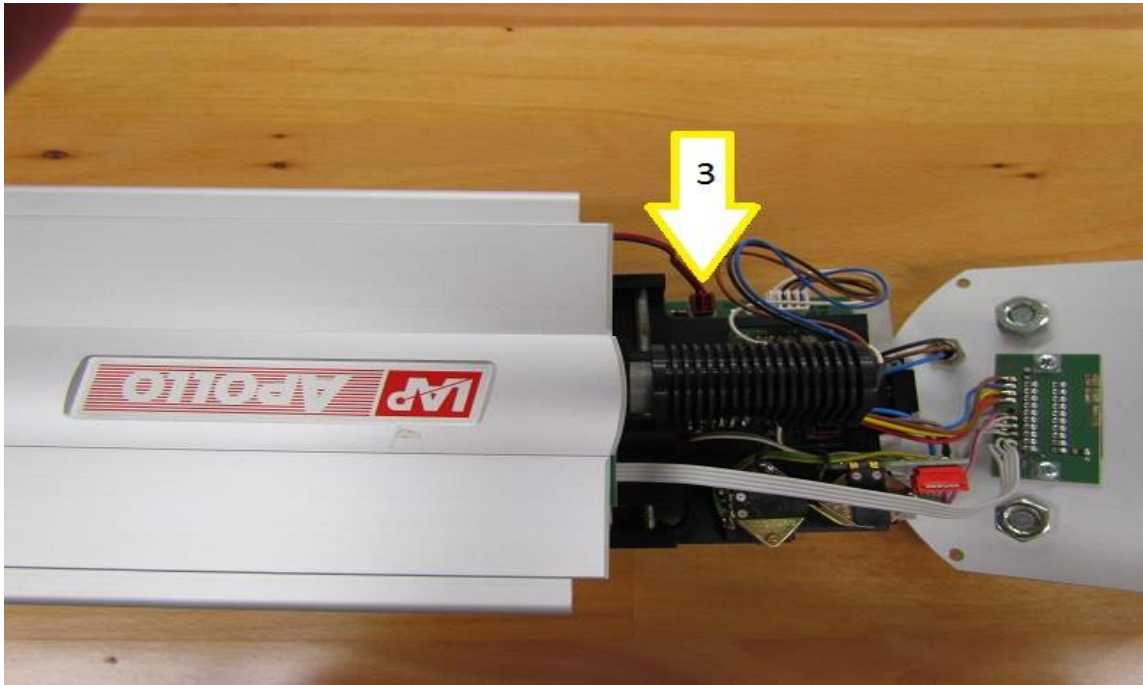
- 1) Remove the four socket head bolts from the top & bottom cover and pull bottom cover to the side.



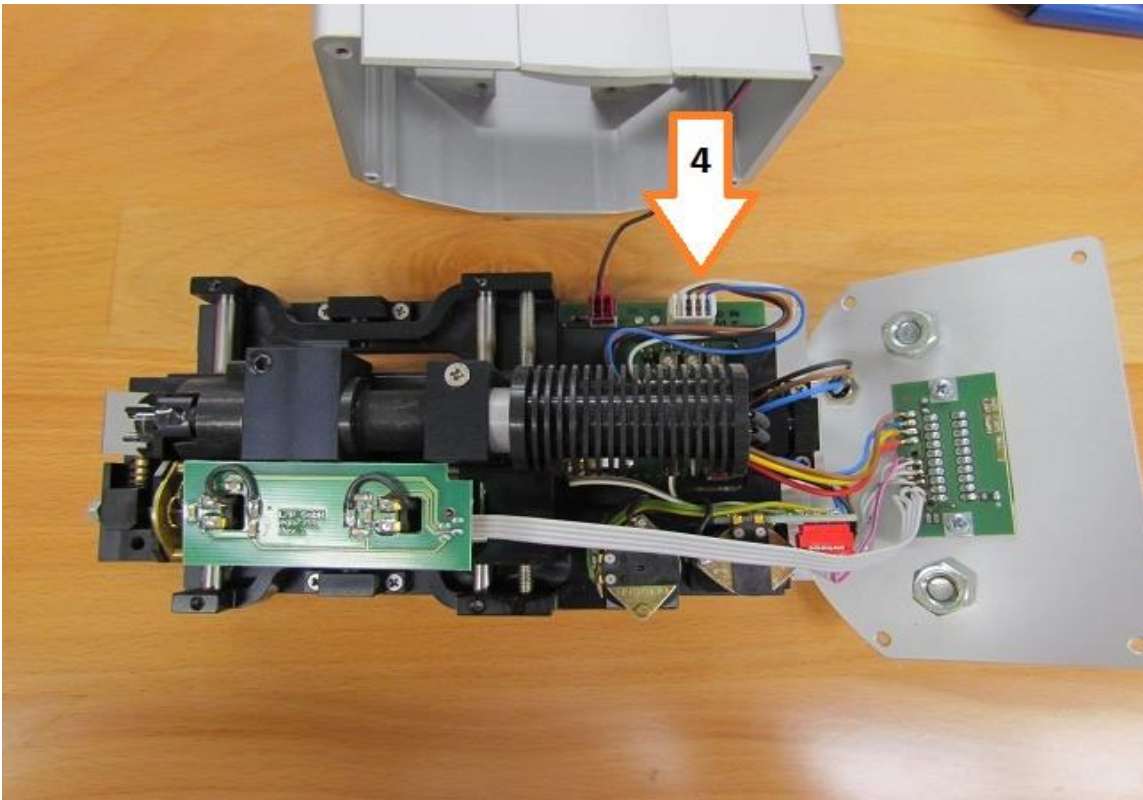
- 2) Remove the two socket head screws holding laser assembly in the housing.



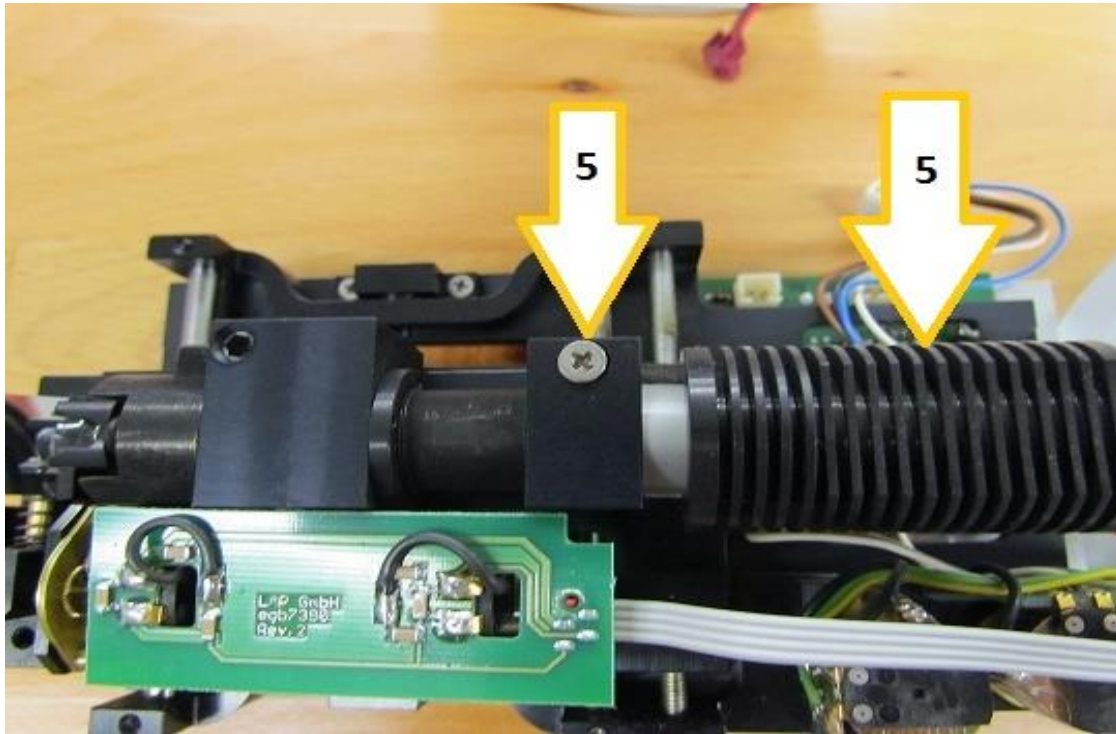
3) Slide laser assembly partially out and unplug the fan connection.



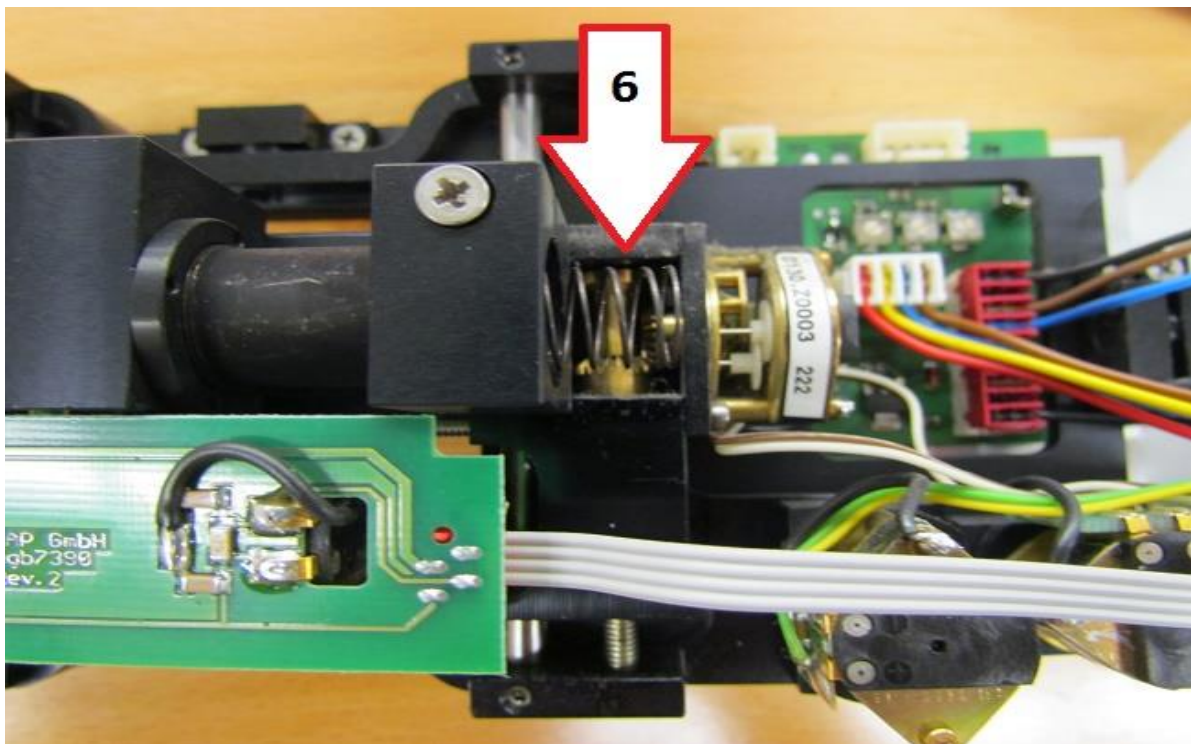
4) Remove laser assembly from housing. Unplug diode connector.



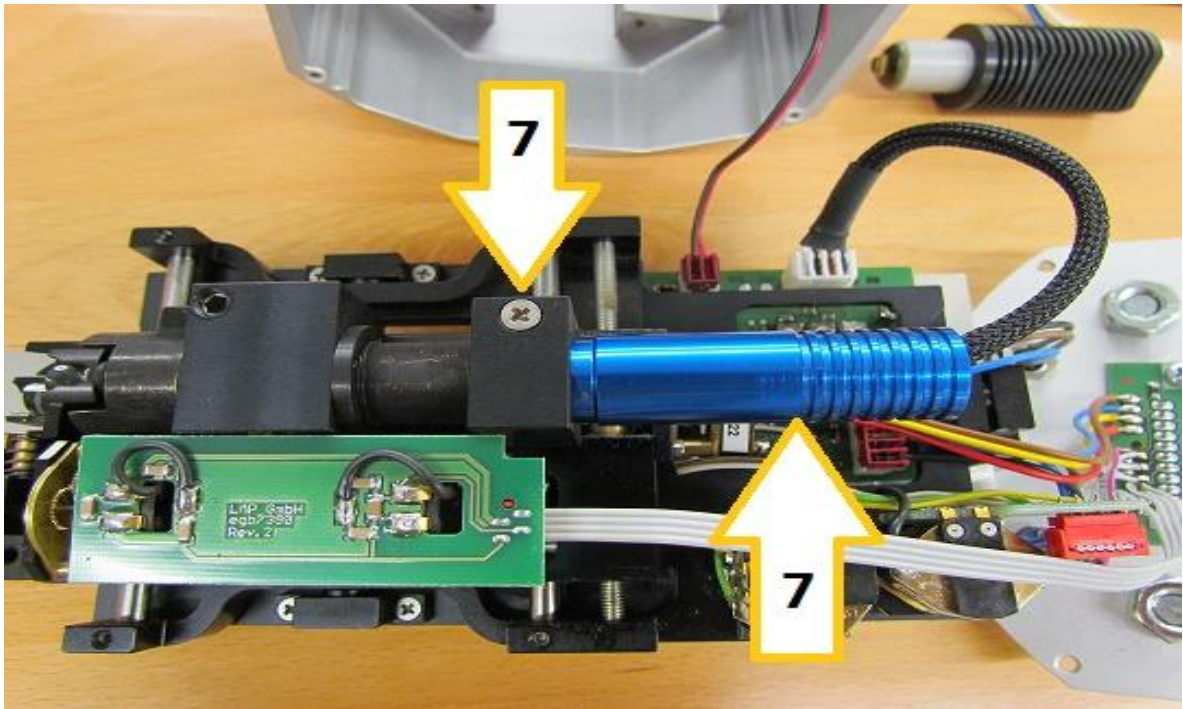
5) Remove the defective diode by loosening screw and removing diode housing.



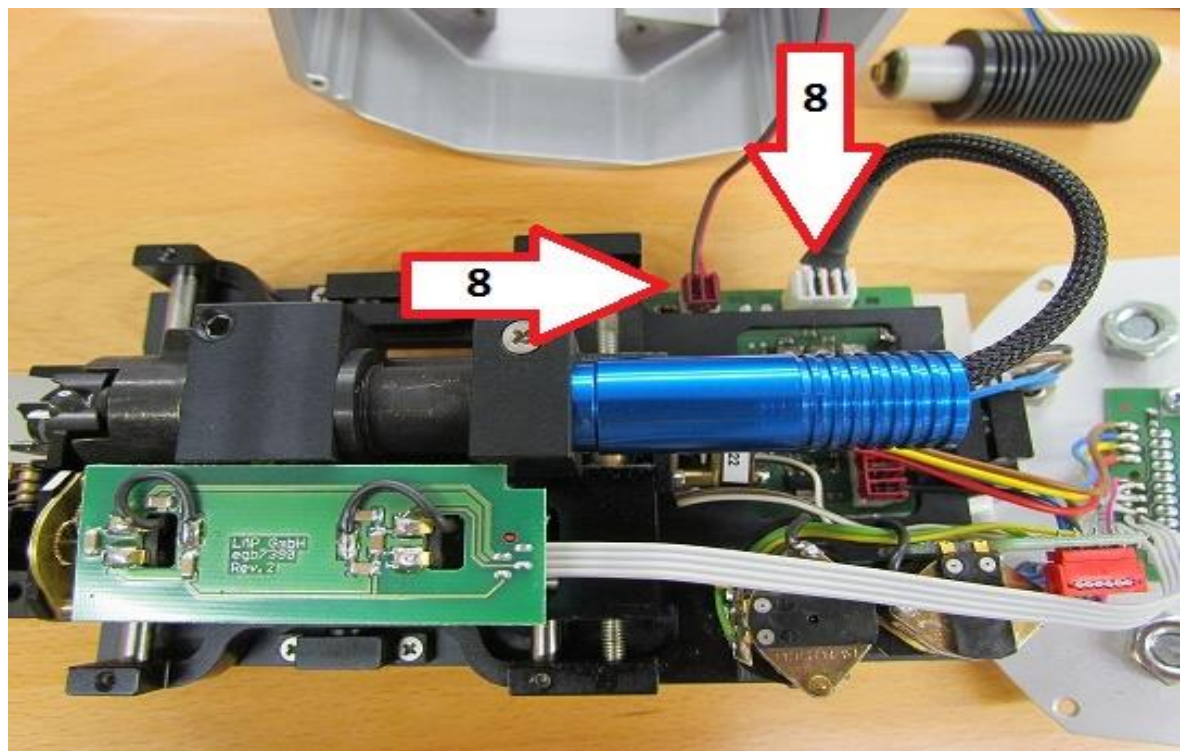
6) Leave spring in the laser housing.



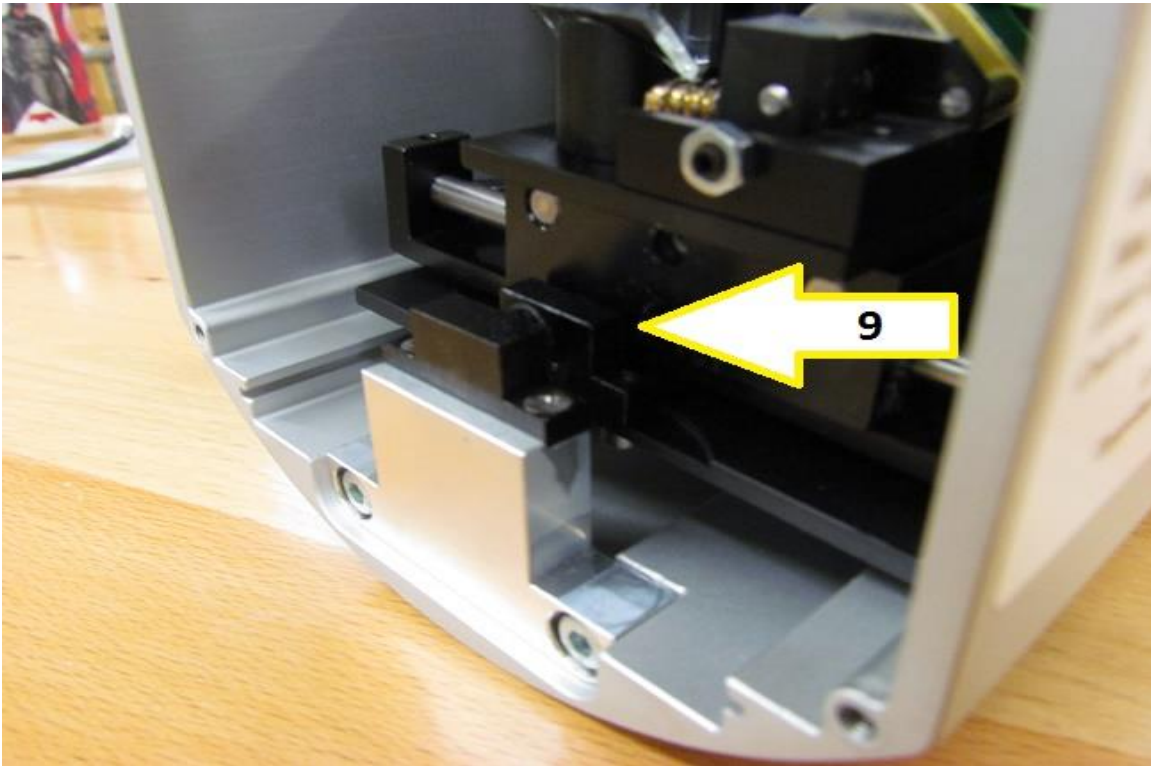
7) Push the new laser in and tighten locking screw.



8) Plug the fan and laser into PCB.



9) Install laser assembly. Verify centering pin under top cover is in place.



10) Install remaining covers with the eight socket head screws and adjust laser using remote for focus.