

# Replacing the Laser Light on a Maxx or Maxx Air Cutter

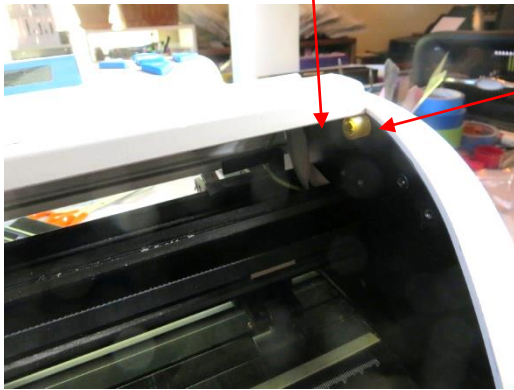
By Sandy McCauley

July 20, 2019

Note that two different KNK Maxx's were used for photos (long story) and one of them is a silver prototype model. However, everything is the same with regards to replacing the laser)

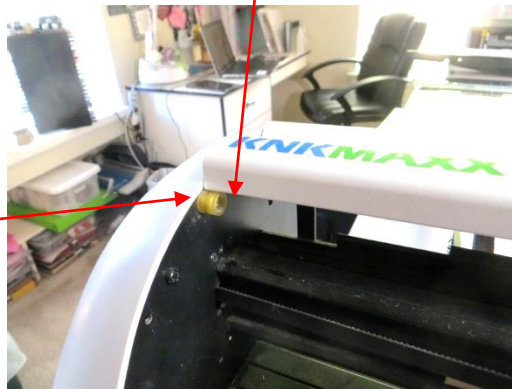
- (1) Open the top cover by popping up one side at a time. Note that I've already popped it open so that you can see the little rubber wheel which secures the cover.

Place your thumb under the lid here and push up firmly



Wheel which secures the cover

Place your thumb under the lid here and push up firmly



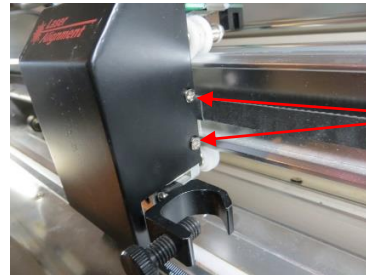
Wheel which secures the cover

- (2) Use a screwdriver to remove the 4 screws on the blade carriage cover (two on each side). Set them aside along with the blade carriage cover:

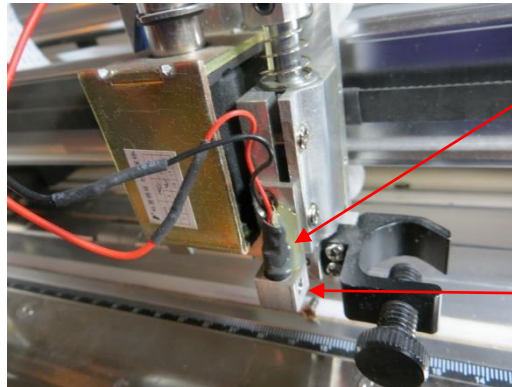
Remove these 2 screws



Remove these 2 screws

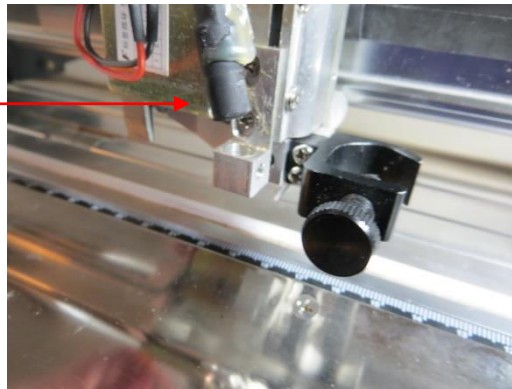


- (3) The laser light is located just to the left of the blade holder seat. There may or may not be a small screw securing the laser on the right side. If a screw is present, remove it (my two Maxx's do not have one).

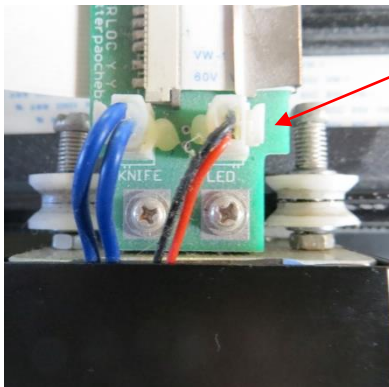


- (4) Gently wiggle the laser to loosen the hot glue piece that helps secure the laser light. Pull up on the laser. Note that it just sits inside that hole.

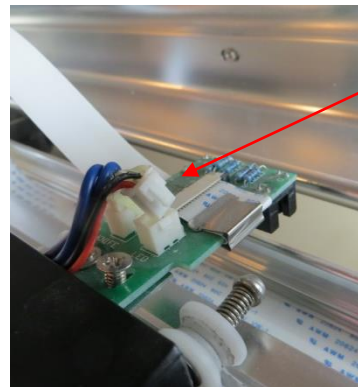
Pull up on the laser to remove it from its mount



- (5) Unplug the laser from the top. Note that there may be a small amount of hot glue present on the side that will need to be pulled away from the circuit board. Use one hand to squeeze the plastic clip on the right side and then use a fingernail on your other hand to pull it up and out:



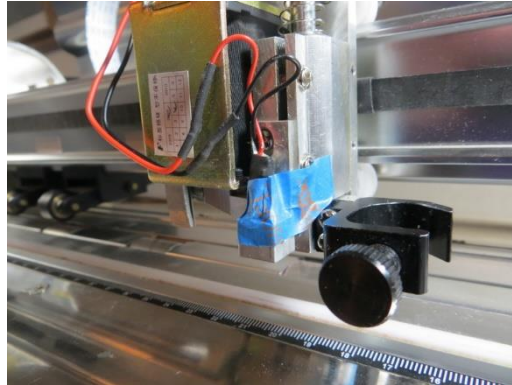
Squeeze this clip inward



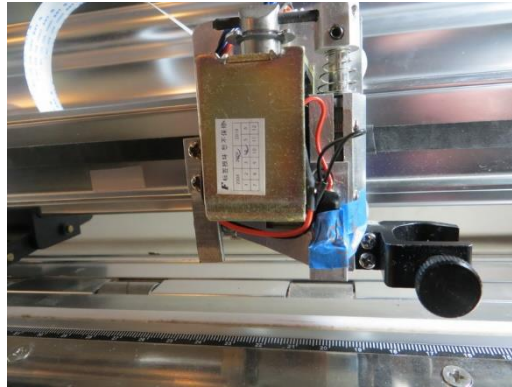
Lift out top part of white plug

- (6) Install the new laser at the top, making sure the black wire is above the red wire and the white clip in on the right side. Push down until it clips firmly.

- (7) Mount the laser light at the bottom making sure it's as firm as possible. For accuracy in PNC, you may want to use a piece of masking tape to help keep it from shifting.



- (8) Wrap the wires under the carriage as shown, so that the carriage cover can be replaced.



- (9) Replace the blade carriage cover and pop the lid back down. For accuracy in PNC, you'll need to repeat the calibration process in the user manual.

Any questions or issues, please contact me at [smccauley45@cox.net](mailto:smccauley45@cox.net)