

PLATFORM LASER INSTALLATION

Revision: May 2018

WHAT THIS GUIDE IS ABOUT

This guide is designed to help perform the CO2 laser cartridge installation on the platform series of the VLS, PLS, and ILS Universal Laser Systems.

Please be aware that the laser cartridge can weigh anywhere between 6kg and 13kg depending on the wattage of the laser cartridge.

Ensure the area is free from trip hazards and suitable lifting techniques should be used while carrying out this procedure.

If you own a desktop VLS series Universal laser machine or if you require further help with the information contained in this guide, please contact the LST Group support department at support@lstgroup.com.au

ITEMS REQUIRED

- Universal Laser System
- Universal Laser Cartridge

TIME REQUIRED

Approximately 5 minutes

PREPARATION

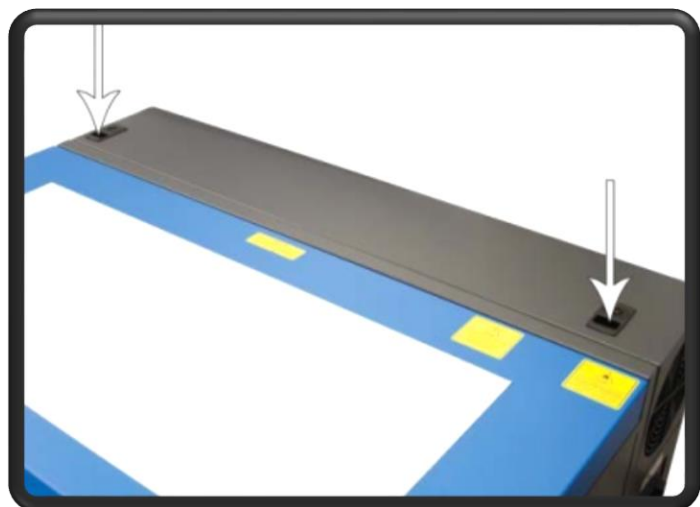
- 1- Please tidy the area around the laser machine and ensure there are no trip hazards.
- 2- Turn off the laser machine then disconnect both the power and USB cables from the back of the laser machine.
- 3- Flip off the brakes on each of the wheels, then move the laser machine away from the wall to allow passage around the laser machine. You may have to disconnect the exhaust hosing if there is not enough slack in the line.

LASER CARTRIDGE REMOVAL

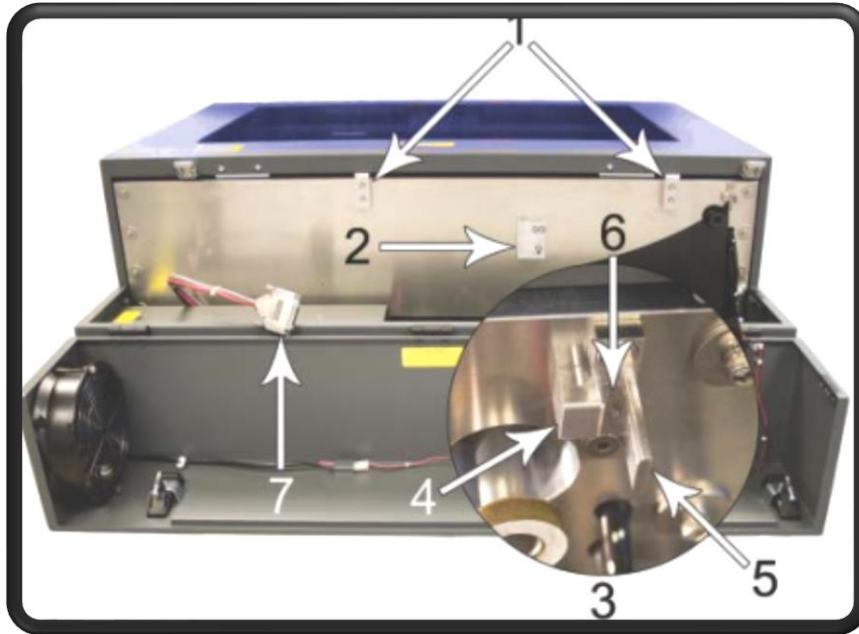
The removal of the laser cartridge is just the reverse of the below installation procedure.

LASER CARTRIDGE INSTALLATION

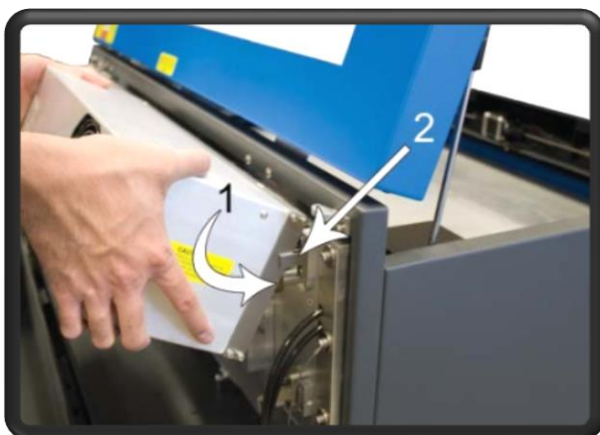
- 1- Open the rear laser cover using the latches on top, be aware that some laser systems are shipped with keyed locks.



- 2- Locate the mounting blocks (1), the laser latches (2) and alignment forks (3). Notice that the alignment fork has a groove (6) located between the two blocks, one short (4) and one tall (5).



- 3- Locate the “V” groove along the upper (3) and lower (2) part of the laser cartridge base plate and the alignment plate (1) at the end of the base plate.
- 4- If you have a Universal Laser System that can hold two laser cartridges, mount one laser cartridge onto the lower mounting block first. If you are using only one laser cartridge in a dual laser system, mount the laser cartridge in the top position.



5- Pick up the laser cartridge by the ends and tilt it at a 30 degree angles as shown (1). Mount the laser cartridge onto the mounting blocks shown in step 2 by placing the upper “V” groove on top of the mounting blocks.

6- Slide the laser cartridge to the right until the outer edge (2) of the alignment plate contacts the inside edge of the tall block of the alignment fork.

7- Slowly rotate the laser cartridge down into place and the laser should click onto the spring-loaded laser catch shown earlier. **NEVER** force the laser onto the laser latch, check for obstructions preventing the installation, such as cables.

- 8- Plug in the power connector (1) into the laser cartridge. If your laser system has two laser, the power connector is labelled top and bottom respectively.



- 9- Gently close the rear cover, making sure not to pinch any wires or hoses.
- 10- Reconnect the power and USB cables.
- 11- You can now move the laser system back into place and lock the wheels.
- 12- It is **RECOMMENDED** to now perform the platform laser alignment procedure.

CONTACT US

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