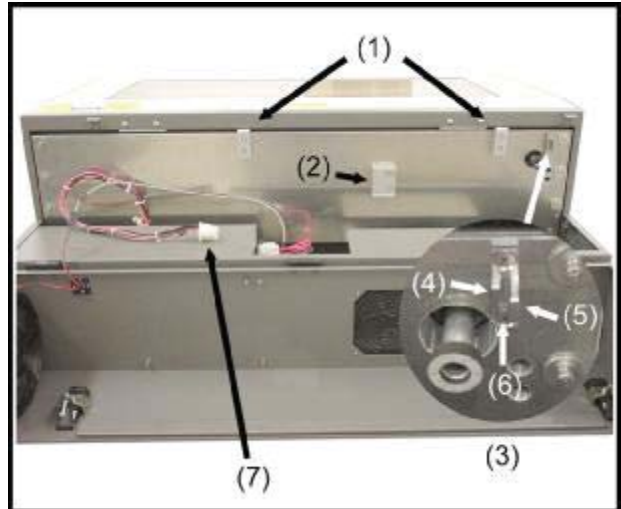


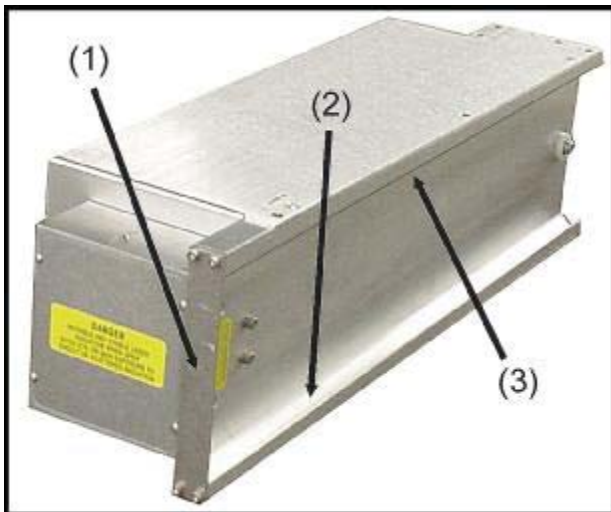
## Laser Cartridge Installation



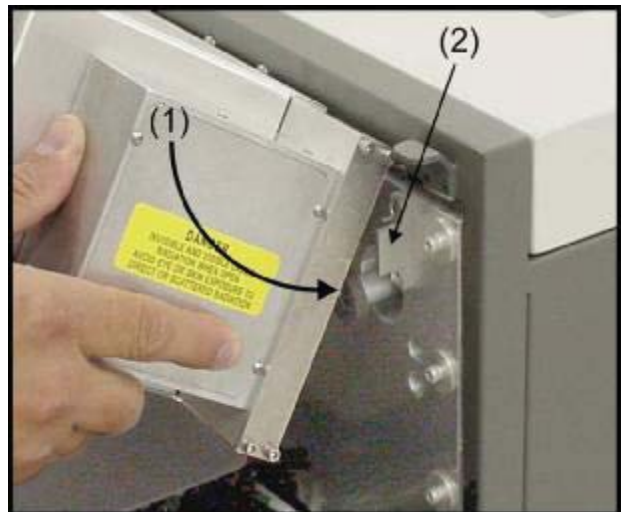
1) Make sure that your power cord **IS NOT** plugged in at this time. Press on the backside of the two hinges to release the latch. Gently fold back the rear cover.



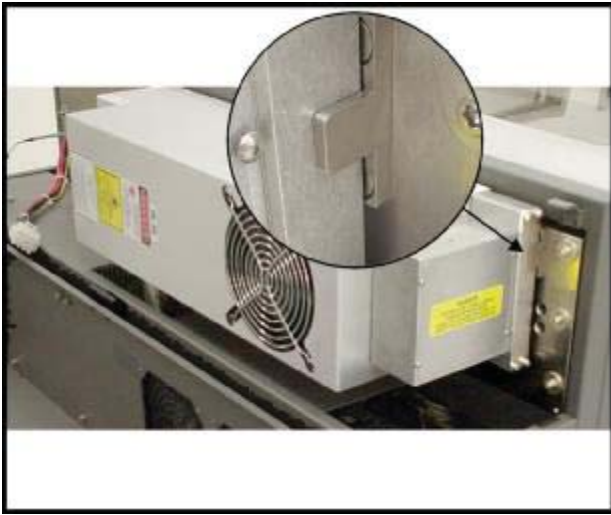
2) Visually locate the two mounting blocks (1), the laser latch (2), alignment fork (3), and power connector (7). Notice that the alignment fork has two plates, one small (4) and one large (5). Locate the gap between the two plates (6).



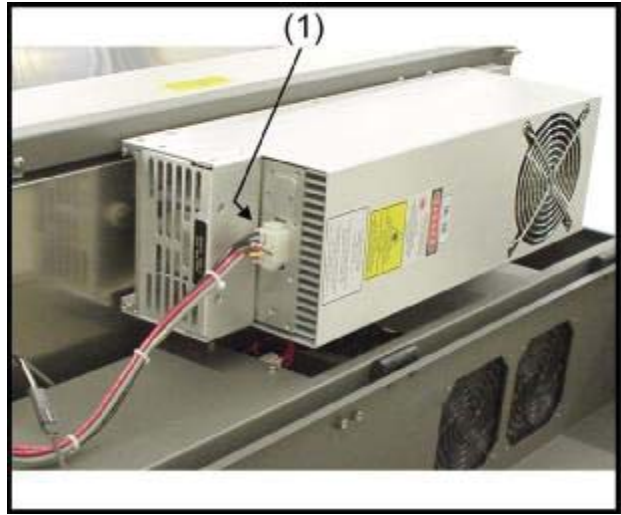
3) Observe the “V” groove along the upper (3) and lower (2) part of the laser cartridge and the alignment plate (1) at the end.



4) Pick up the laser cartridge by the sides and tilt it downward on a 30-degree angle. Mount the cartridge onto the mounting blocks by placing the upper “V” groove on top of the mounting blocks. Slide the cartridge to the right until the **OUTER EDGE** of the alignment plate contacts the **INSIDE EDGE** of the large plate of the alignment fork.



5) Slowly rotate the laser cartridge making sure that the alignment plate is centered in the gap of the alignment fork between the small and large plates. As you slowly release the weight of the laser, you should feel it lock (clunk sound) itself into place, parallel to the mounting surface. **Make sure that you do not pinch any wires or hoses.** Verify that the, alignment plate is centered within the alignment fork.



6) Plug in the power connector (1). Slowly close the rear cover and **making sure that wires or hoses become pinched when the cover is closed.** Push down on the latches until they "click".

### Checking Beam Alignment

- Open the top door of the laser system. Locate the power cord and plug it into the system and your grounded electrical outlet. International users may need to connect an adapter to the power cord to be able to plug it into their power source. **MAKE SURE THAT YOU ATTACH THE ADAPTER CORRECTLY TO THE POWER CORD AND THAT YOUR POWER SOURCE IS PROPERLY GROUNDED (EARTHED) OTHERWISE SERIOUS DAMAGE CAN OCCUR TO THE LASER SYSTEM.**
- Place a small piece of masking tape across the 3/4" hole in the focus carriage (1). Gently rub the tape around the edge of the hole so that you can see the outline of the hole through the tape (2) and then close the top door.
- Power ON the laser system and after the system finishes initializing, open the top door.
- Press the X-Y button on the control panel and a red dot will appear on the masking tape (3). The red dot should appear centered, or close to the center of the hole, within 1/8 inch. If not, remove and re-install the laser cartridge and try again. If the red dot still does not appear within 1/8" of the center of the hole, please contact our Service Department.
- Laser cartridge installation is complete. Power OFF the laser system and remove the masking tape.

