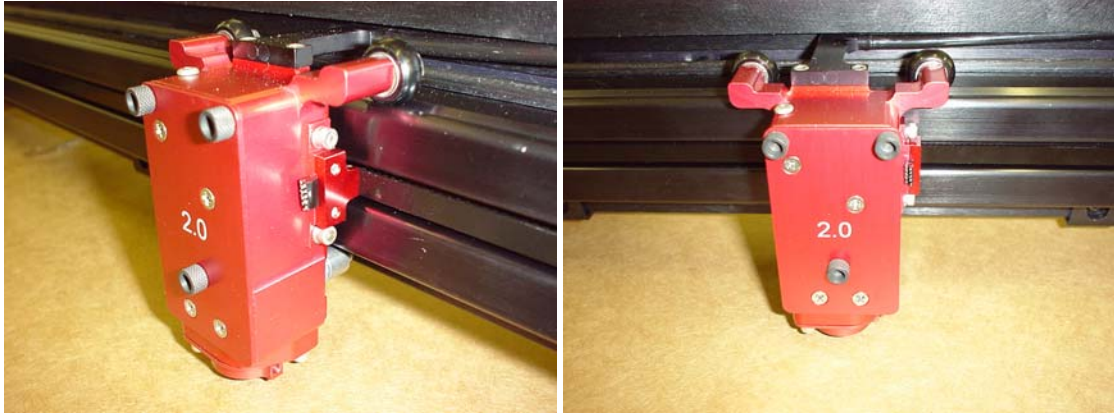
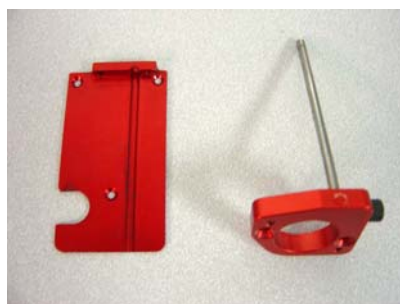


## Air Assist Installation Instructions



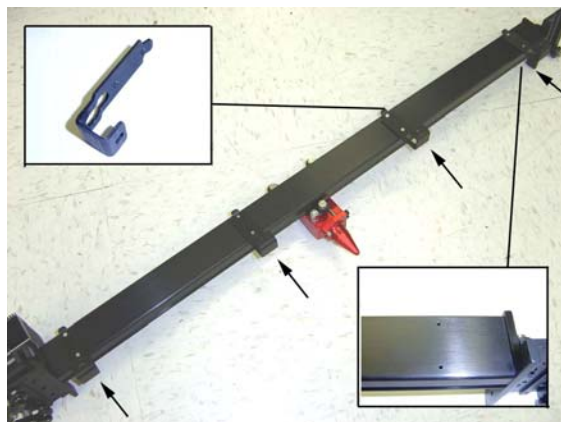
1. (Remove Optics First) Remove the focus carriage from the X-axis arm on your machine by first detaching the belt clip from the right side of the carriage by removing the two screws on the ends of the clip. Next, hold the carriage on the bottom with two fingers and your thumb on top, gently lift up and pull the carriage off the rail.

## Air Assist Installation Instructions

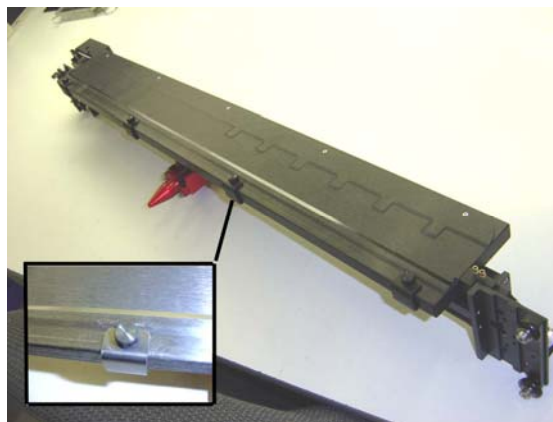


2. Remove the back plate of the focus carriage by unscrewing the three Phillips screws and the lower bearing assembly. Pay close attention to direction the lower bearing assembly is facing and make sure it gets put back on the same way (see picture above).
3. Replace the back of the focus carriage with the air assist focus carriage pieces included in the upgrade kit. (see picture above)
4. Reattach the focus carriage to the X rail.

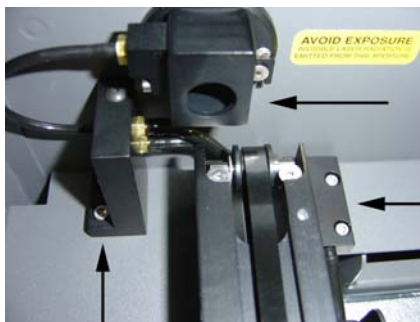
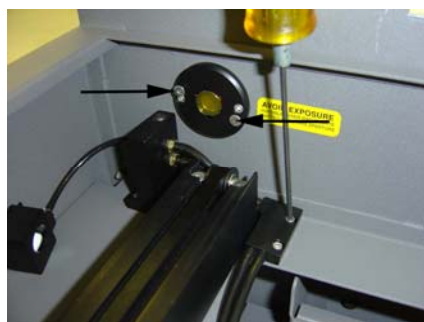
## Air Assist Installation Instructions



5. Attach the L-brackets to the back of the X rail with the silver Phillips screws included in the upgrade kit (two for each bracket).

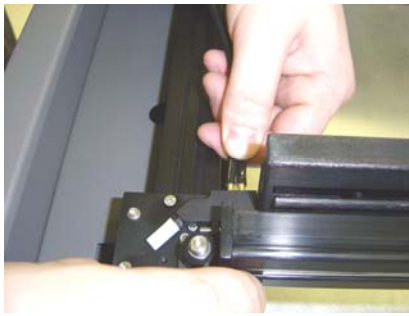
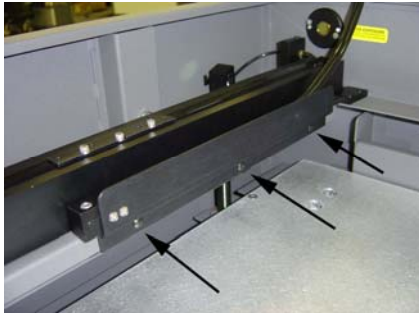


6. Attach the air assist track and use the black thumbscrews to attach the track to the brackets.

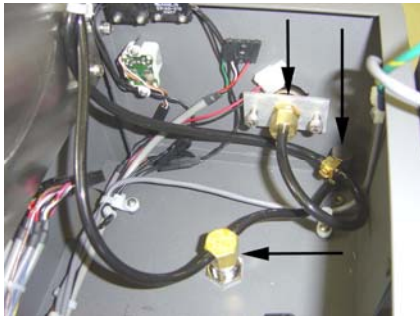


7. Attach the Allen screws to the beam window fixture (see picture above).
8. Install the beam window protector and the connecting manifolds. Pull the long hoses attached to the #1 manifold through to the rear enclosure (see pictures above).

## Air Assist Installation Instructions



9. Install the Y tubing support bracket using the three Allen screws provided.
10. Connect the hoses to the X-axis track fittings and the Y tubing support bracket.



11. Attach the T-manifold, pressure gauge, and the valve manifold to the bottom of the rear enclosure.
12. Connect to hoses inside the rear enclosure (see pictures above).
13. Tie up the hoses coming from the main enclosure to the back plate with a zip tie (make sure to tie them out of the way of the laser tube).



## Air Assist Installation Instructions



14. Attach the focus carriage to the air track slider manifold using Allen screws

