

Installation of ASI MS-2000 Automated XY stage onto Leica Aristoplan Microscope

This procedure outlines the steps necessary to install the ASI MS-2000 automated XY stage onto Leica ARISTOPLAN microscope. The procedure has 4 steps:

1. Removing the condenser carrier.
2. Removing the original mechanical xy stage.
3. Installing the ASI MS-2000 automated XY stage.
4. Replacing the condenser carrier.

Step # 1 - Removing the condenser carrier

To gain access to the 3 ea. 4x8mm screws that secure the original mechanical xy stage the condenser carrier must be removed. Remove the condenser as outlined in your microscope's manual & rack the carrier all the way down as shown. Use a 3mm Allen wrench as shown in figure # 1 to loosen the two screws that secure the carrier to the microscope.



Figure # 1 Removing the condenser carrier

Step # 2 - Removing the original mechanical xy stage

Once the condenser carrier has been removed then the original mechanical stage can be taken off the microscope. The stage is secured to the microscope with 3 ea. 4 x 8 mm socket head cap screws. The location of these screws is shown in figure # 2. Please Note: When removing these screws be certain to use one hand to hold onto the stage when the last screw is removed so that the stage does not "fall off" which could damage the objectives. To remove the screws use the special 3mm Allen wrench shown in Figure #2a.



Figure 2a. Location of stage attachment screws



Figure 2b. Location of stage attachment screws



Figure 2c. Location of stage attachment screws



Figure 2d. 3mm Allen wrench

Step #3 - Installing the ASI MS-2000 automated XY stage

Locate the ASI stage and align it as shown in figure 3 so that the holes in the stage align with the holes in the stage carrier. Use the same screws removed in step #2 to attach the stage. Please Note: Do not use any screws that are longer as they will interfere with middle plate and will damage the stage. Align the stage so that it is parallel with the rear of the microscope and secure it in place. Insure that the screws are securely tightened to hold the stage in place.

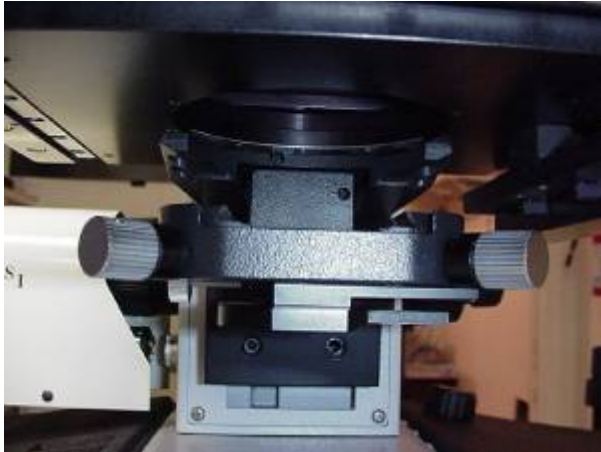


Figure 3a Bottom view of ASI stage mounted on carrier.

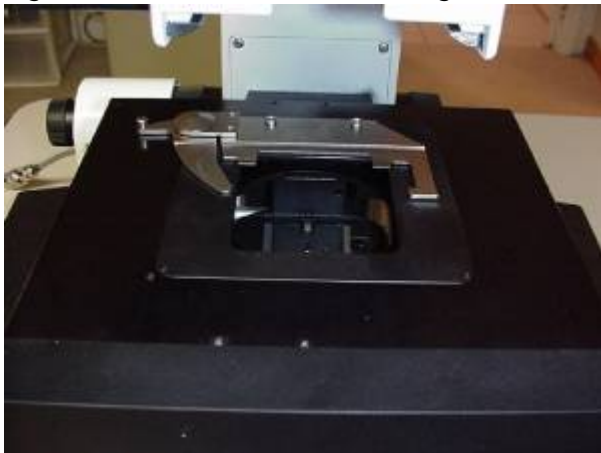


Figure 3b top view of ASI stage mounted on carrier.

Step #4 - Replacing the condenser carrier

Replace the condenser carrier in the reverse order as given in [step #1](#).

[xystage](#), [leica](#), [aristoplan](#)

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