

# Installing the MS-2000 XY Stage onto your Inverted Microscope

## The procedure has three parts:

Removing the original stage.

Install the MS-2000 XY stage on the microscope

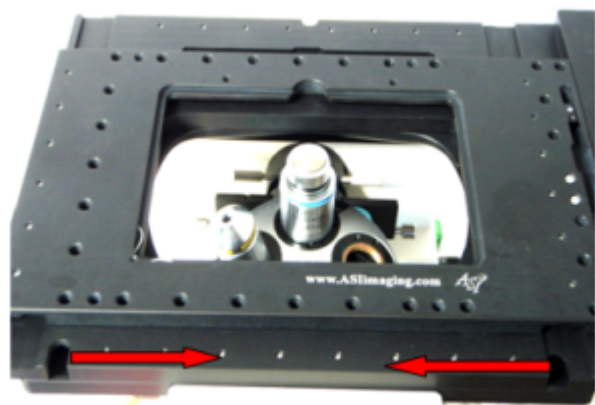
Connecting the cables on the MS-2000 control unit

## Part 1 - Remove the Original Stage

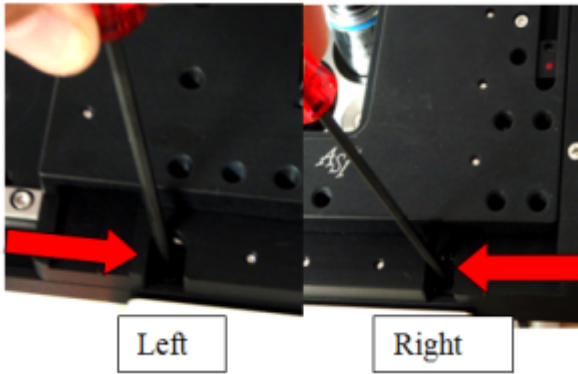
Before removing or installing the stage, the objectives should be removed from the nosepiece and stored in a safe and secure place until after the stage has been installed and aligned. Remove the retaining bolts and carefully remove the original microscope stage assembly. Please refer to your microscope's manual for any further information about removing the original stage.

## Part 2 - Install the MS-2000 XY Stage on the Microscope

Remove any protective stage shipping bolts or brackets. Mount the stage with the new screws supplied with the ASI stage. Slide the stage onto the microscope with the connector to the right, and the Y-axis lead screw to the right. Align the screw holes on the front and rear of the stage with the holes located on the microscope. On some flat top stages (as seen in Figures 1a and 1b), the screw holes are not visible until the stage is moved under power to the left and right on the X-axis. This requires that [part 3](#) be completed first. Next, secure the stage with the center top screw. Move the stage to the right until the screw hole on the left is visible and secure the stage to the microscope with the supplied screw and Allen wrench. Repeat with the left motion and with the attachment of the right screw.



**Figure 1a:** On some models, the middle plate of the stage covers the mounting holes in the bottom plate.



**Figure 1b:** It may be necessary to move the stage in the X-axis to reveal the mounting holes.

### Part 3 - Connecting the Cables on the MS-2000 Control Unit

The XY stage's 5 ft. cable connects to the controller's 25-pin female DB-Connector. If included, the Z-axis drive's 6 ft. cable connects to the controller's 15 pin male DB- Connector. An RS232 cable can be connected to the controller's 9-pin female Serial IN DB-Connector, and to a serial communications port on a host computer. A USB cable can be connected to the USB B connector on the back of the controller, and to a USB A port on a host computer. The cable from the power supply module is plugged into the 3 pin male circular connector on the back of the controller, and the module's power cord connected to a proper power source.

[xystage](#), [common](#), [upright](#)

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