

Key Points for Installation:3 - Assembly

Key Points for Installation: 3 focuses on points you should pay your attention before assembly.

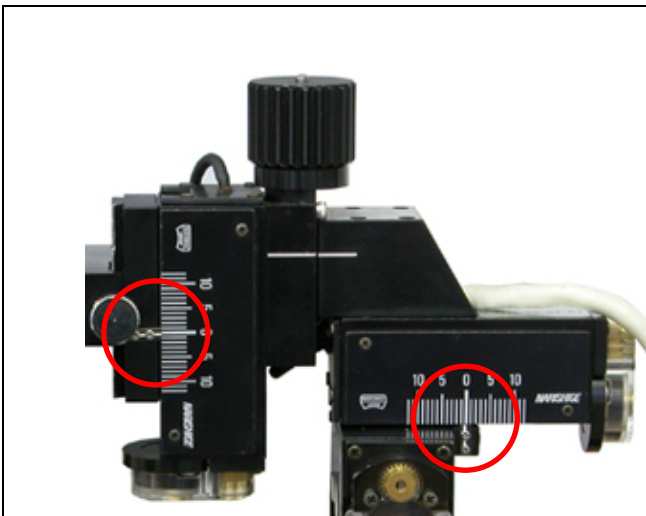
Confirmation of the basic parts

Firstly, you need to confirm if the adaptors, magnetic stands, ITS etc. basic parts are stable firmly before assembly. If you do not install the stable base, it will be meaningless even if you adjust the accessory precisely.

For your reference, please see “WEB NEWS No.043 Key Points for Installation: 1” and “No.044 Key Points for Installation: 2”.

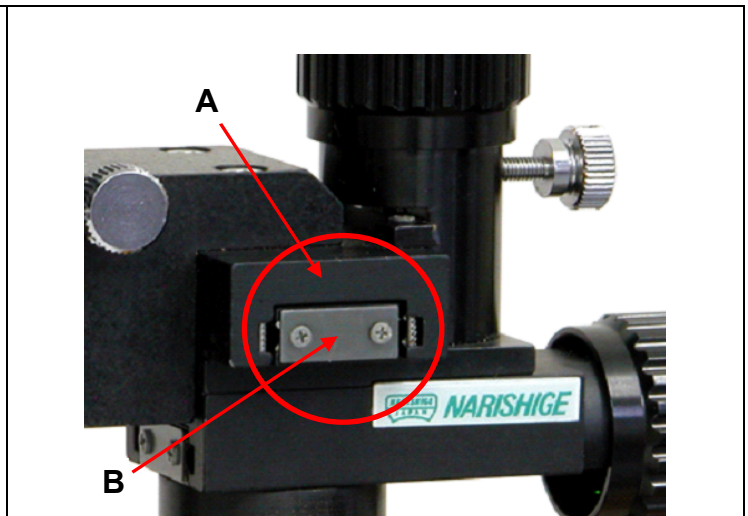
To maximize the working range

Basically, the installation for micromanipulators has been assembled in the order of coarse unit, fine unit to the basic parts. Before mounting to the basic parts, ensure that each axis of coarse and fine drive unit sits at the midpoint position of the working range.



Example 1 : MM-89

When mounting the drive unit with scale, set at the midpoint position of the scale.



Example 2 : MN-4

When mounting the drive unit without scale, set at the center by eye. In the case of most of our micromanipulators, the center is the place that outer slider (Fig.A) and inner slider (Fig.B) are plane.

Since our micromanipulators have the limit of the working range, they can not be moved over the range. When the installation is completed with the working range in one direction, it might cause trouble that “Manipulator can not reach an object!”

When mounting to the adaptors, it is possible to move wider range if you approach to the optical axis of microscope with the drive unit being set at the midpoint position of the working range.

We usually manipulate looking through microscopes. In manipulation near the limit of movement range, we may exceed the limit without notice. If you put the pressure by force, the precise micromanipulator gets out of order and it causes trouble.

To prevent such problem, it is necessary to set at the midpoint position of the working range in all three axes.

* It is also possible to assemble only one direction on purpose from an understanding these points.

When using special microscope

Our micromanipulators and adaptors have been designed for standard microscopes. When any optional parts (ex. Electrical stage, special condenser and filters etc.) are attached with the microscope, the micromanipulators can cause interference with them.

In installation, please ensure in advance that it does not interfere with them.

* We welcome various requests for custom-made when our standard products cause interference.

If you have any questions or need further information, please contact us.