

Prior Scientific Help Guides and Installation Instructions

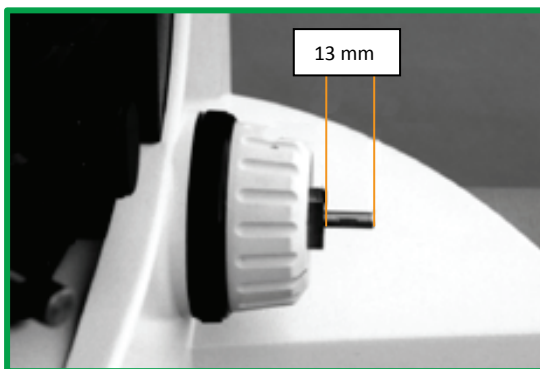
UPDATED 15 September 2015

Installing H122LB on the Leica DML Range

Fitting the H122LB to the Leica DMLB involves removing the right hand fine focus knob. Note that this has two sensitivity settings depending on whether the fine focus mechanism is pushed to the right (4 microns) or to the left (1 micron). This option is indicated by the label on the front surface of the left hand stabiliser.

Before beginning, ensure that the fine focus is set at the 1 micron position.

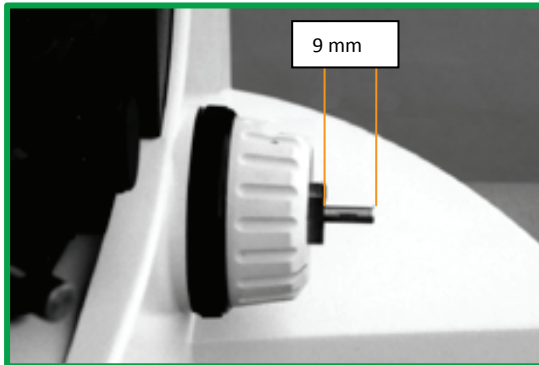
- 1) Push the fine focus fully to the left. Note the amount of the vernier curve showing on the left hand knob. Fitting the fine focus must be done with the fine focus in this position.
- 2) Remove the right hand focus knob using the 1.5 mm hex key inserted down the small hole in the right hand fine focus. Hold the left hand fine focus knob down when pulling off the right hand fine focus knob to ensure that there is no lateral movement of the shaft. There should be roughly 13 mm of shaft protruding from the brass boss. Ensure that the small spring washer is still on the shaft.



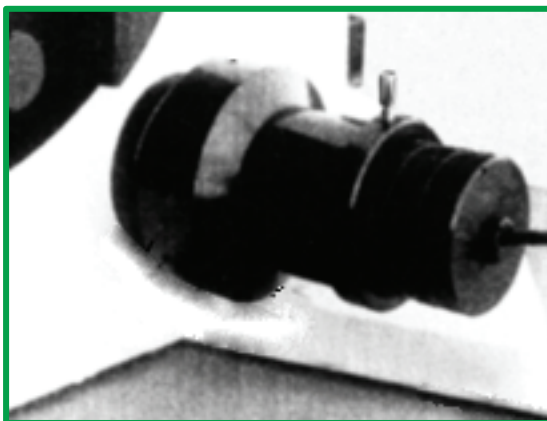
- 3) Fit the large adapter ring over the brass boss. \Note that the orientation of the adapter ring should be such that the grub screw in the adapter ring should be such that the grub screw in the adapter ring screws down onto the centre of the radius (curved part of the brass boss).



- 4) Push this fully towards the body of the microscope leaving approximately 9 mm of shaft protruding from the adapter ring whilst tightening up the adapter ring using the 2 mm hex wrench.



- 5) Fit the drive coupling on the fine focus shaft using the 1.5 mm hex wrench key. Orient the shaft so that the grub screw will locate on the flat of the shaft. Push the drive coupling gently towards the adapter ring whilst tightening the grub screw. Check that the fine focus rotates freely and is still set at one micron.
- 6) Fit the H569 motor sleeve on the adapter ring and tighten up three grub screws in sequence using the 2 mm hex key. It may be necessary to rotate the motor sleeve to gain access to each grub screw. The motor sleeve and adapter ring are now attached to the coarse focus.



- 7) Slide the H249 microstep focus motor assembly into the motor sleeve and tighten the S690 thumb screw whilst gently pushing the focus motor assembly towards the microscope such that there is a good contact between the rubber surfaces of the drive of the motor and the drive coupling. The fitting is now complete.