

Prior Scientific Help Guides and Installation Instructions

UPDATED 11 NOVEMBER 2015

HI22KON Kit

The H122KON kit allows direct coupling of the focus motor to the fine focus of the microscope. It is suitable for most Nikon and Olympus microscopes. For specific guidance on microscopes contact Prior Scientific.

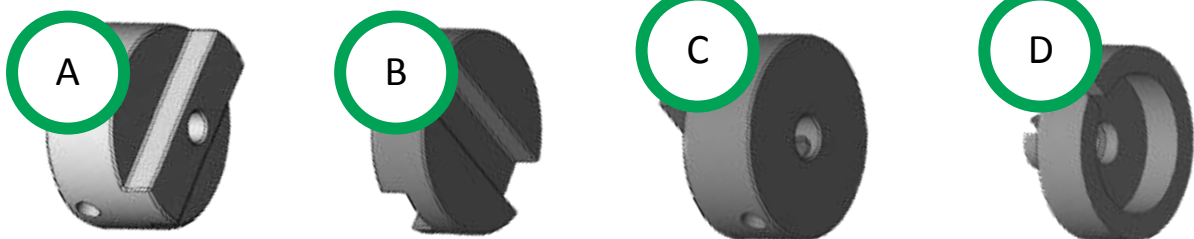
Direct coupling of the focus motor will alleviate any slippage that may occur with a friction type coupling and will ensure accurate and repeatable focus positioning.

Since installation requires some disassembly of microscope components only a suitably qualified and competent person who had understood these instructions should attempt installation.

In all cases, the fine focus knob should be removed from the microscope. The coarse focus knob should be left in position. To prevent the sudden dropping of the stage as the tension of the focus mechanism is released, move the stage to its lowest position before removing the fine focussing knob.

For **OLYMPUS MICROSCOPES**, after removing the fine focus (Fig 1), the next step is to attach the coupling to the fine focus mechanism.

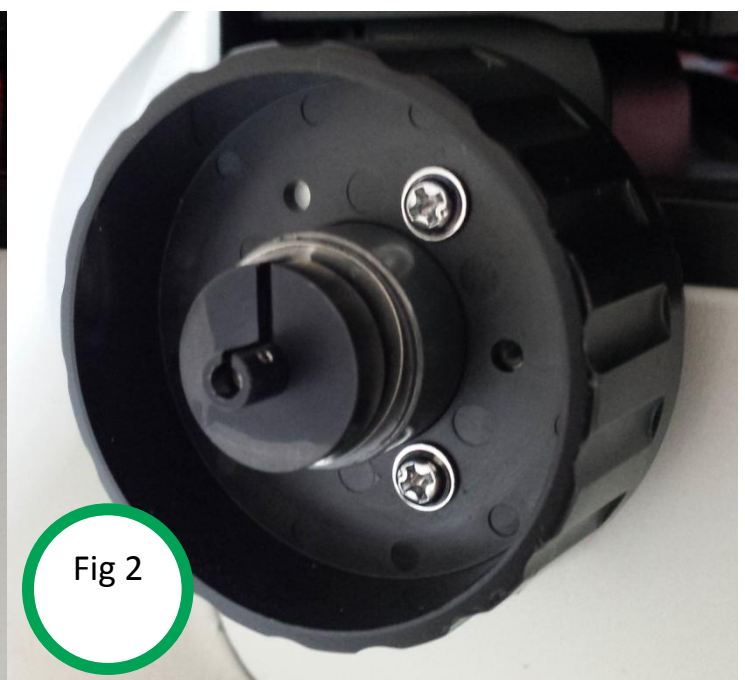
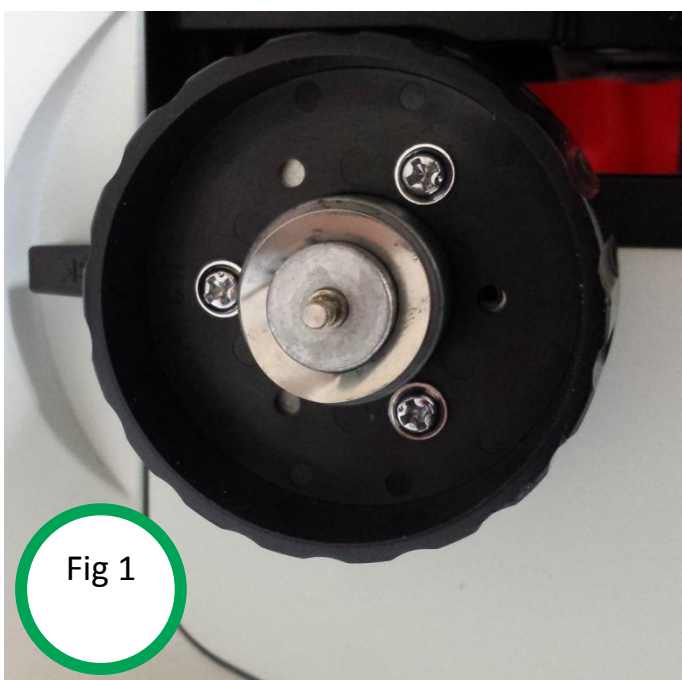
The entire coupling is shown below.



Attach the adapter (D) to the fine focus. (Fig 2)

Attach the (C) coupler to the (D) adapter (Fig 3). Secure this coupling by tightening the screws (ringed on Fig. 3).

Add the (B) connector (Fig 4).



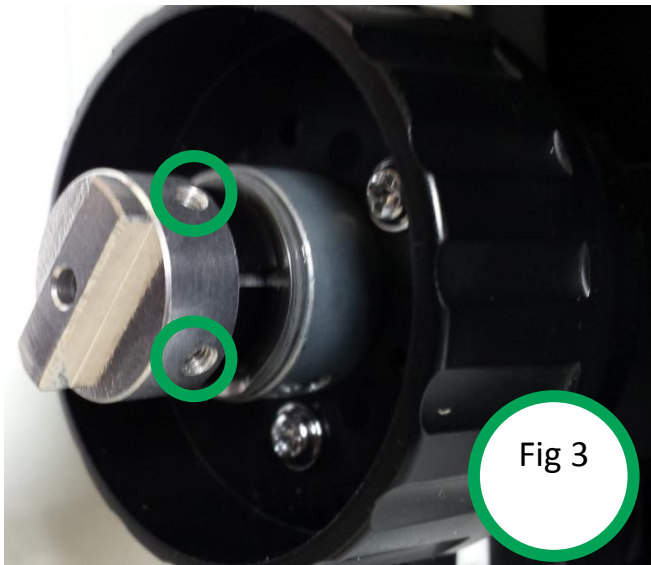


Fig 3

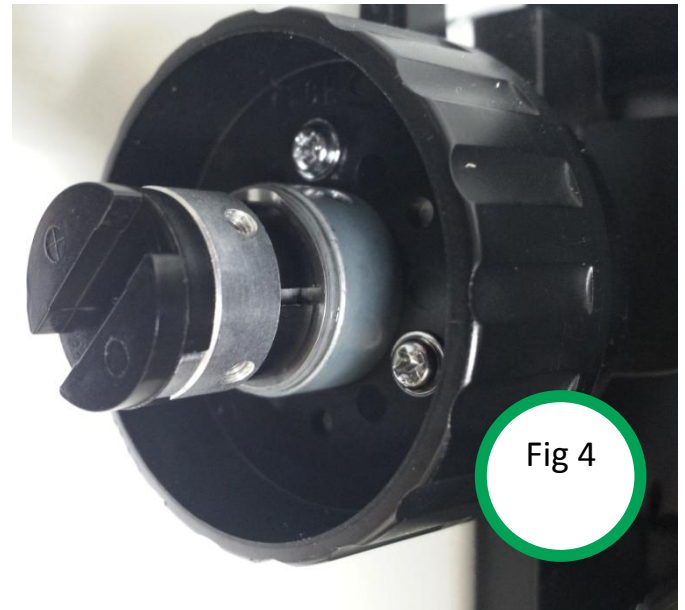


Fig 4

The focus adapter ring is then mounted over the focus knob (Fig 5) . The focus adapter sleeve is then mounted (Fig 6).

Add the (A) adapter to the focus motor. Slide the motor onto the coupling attached to the fine focus motor – so that the (A) and (B) couplers connect. Ensure the motor is in the correct position before securing it to the sleeve with the thumb screw.

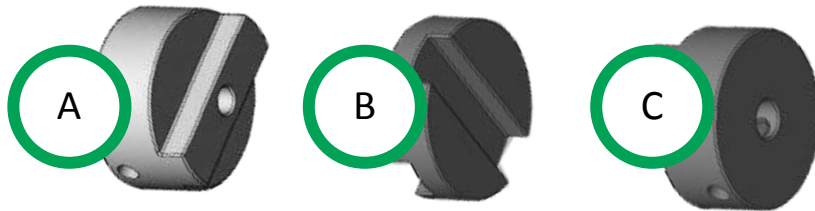


Fig 7



Fig 6

For **NIKON MICROSCOPES**, the procedure is similar; however there is no need for the 'D' adapter. Mount the Nikon (C) coupler (with a different diameter than the (C) coupler for Olympus microscopes to accommodate the Nikon shaft) ensuring the Nikon fine focus shaft goes through it. Proceed with the rest of the installation as outlined above .



For **NIKON TE2000 MICROSCOPES** the procedure is almost exactly the same as above; the one difference being that a special adapter (E) links the focussing mechanism to the Nikon C coupling.

