

10:1 FOCUSMATE DRIVER INSTRUCTIONS

Parts List:

for 10:1 Focusmate Driver (FDF-2004)

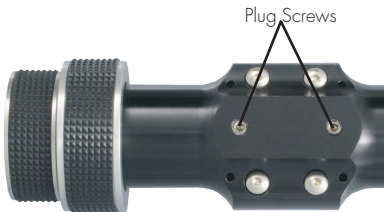
- Hand Controller
- cable
- Motor Bracket
- Motor
- 9V Battery (not shown)
- (2) Allen key screws
- 5/64" Allen Key
- 3/32" Allen Key



Installation

These instructions assume that the Tele Vue 10:1 Focusmate Pinion Assembly has already been installed as it is required for the use of the 10:1 Focusmate Driver.

Step 1) Remove and set aside the two plug screws from the bottom of the 10:1 Focusmate Pinion Assembly using the 5/64" Allen Key.



Step 2) Position the Motor Bracket so it is forward (toward the front of the telescope) of the Fine Focus Knob and secure with the two button head screws using the 3/32" Allen key.



Step 3) Slip the Motor into the Motor Bracket so it is snug but still can rotate. The Drive Wheel should now be in-line with the fine focus knob. Rotate the Motor until the O-rings make contact with fine focus knob.

Step 3a) If necessary, it is possible to adjust the motor position in or out slightly in order to obtain better alignment of the O-rings to the Focusmate. To make an adjustment, loosen the two screws that hold the Motor Bracket onto the Focusmate Barrel. The holes are slotted to allow a push or pull of the bracket in or out to center the O-ring contact on the fine focus knob. Retighten the Motor Bracket attachment screws.

Step 3b) Tighten the Motor Lock Knob.

Step 4) Remove the back cover of the Hand Controller and connect the 9V battery to the terminal. Note: the battery cover installs easier if the battery is placed in the Hand Controller with the connector wires facing toward you (near cover).

Step 5) Plug one end of the cord into the back of the Motor and the other end into the receptacle located in the top of the Hand Controller.

Operation

It's easiest to start your session with the motor disengaged. Loosen the Motor Lock Knob and rotate the Motor housing so the O-rings disengage from the fine focus knob. Achieve a rough focus manually and then engage the Focusmate Driver, remembering to tighten the Motor Lock Knob.

To drive the focuser simply push either of the arrow buttons for the desired direction of travel.

The speed of the driver is varied by turning the knob. At the slowest setting a quick click of the driver will move the focus about half-a-thousandth of an inch!

Installed Focusmate Driver shown from below to illustrate finished assembly (front of the scope is facing up). Notice the contact between the Drive Wheel and the Fine Focus Knob. Also, the Drive Wheel is off-center of the motor so that when the motor is rotated, the Drive Wheel disengages from the Focusmate.

