# **Reverse Crayford Focuser Kit**

## **RCF-1 Assembly Instructions**

The JMI Reverse Crayford Focuser (U.S. Patent No. 6,297,917) incorporates a revolutionary new design. In order to provide a quality metal focuser at a reduced price, we have created this easy-to-assemble kit version for the mechanically inclined individual. The Reverse Crayford focuser is a tool you can be proud to have on your telescope. With proper cleaning, it will give you years of service.

Please carefully read through the complete instructions before beginning assembly.

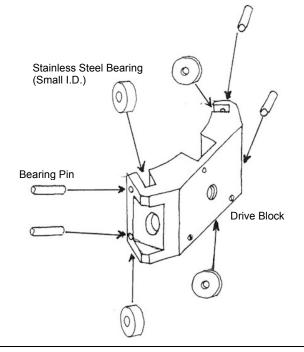


## JMI Telescopes



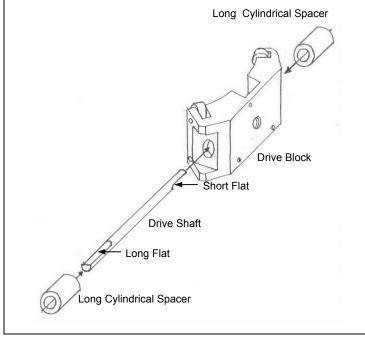
#### Step 1

- Place large flat surface of drive block face down.
- □ Insert stainless steel bearing with small I.D. (small inside diameter) in slot and align with hole in drive block.
- □ Push or lightly tap bearing pin through hole and bearing.
- □ Follow above procedure for all (4) bearings.



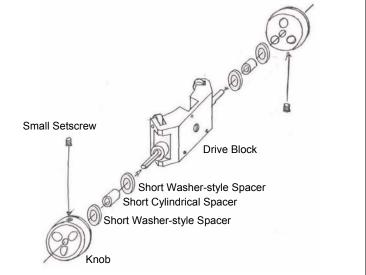
#### Step 2

- □ Slide drive shaft into drive block with longest flat portion on the left (per orientation shown below).
- Slide (2) long cylindrical spacers on both ends of drive shaft. These spacers act as the drive shaft bearings. They will be as far inside the drive block as possible when the final assembly is complete.

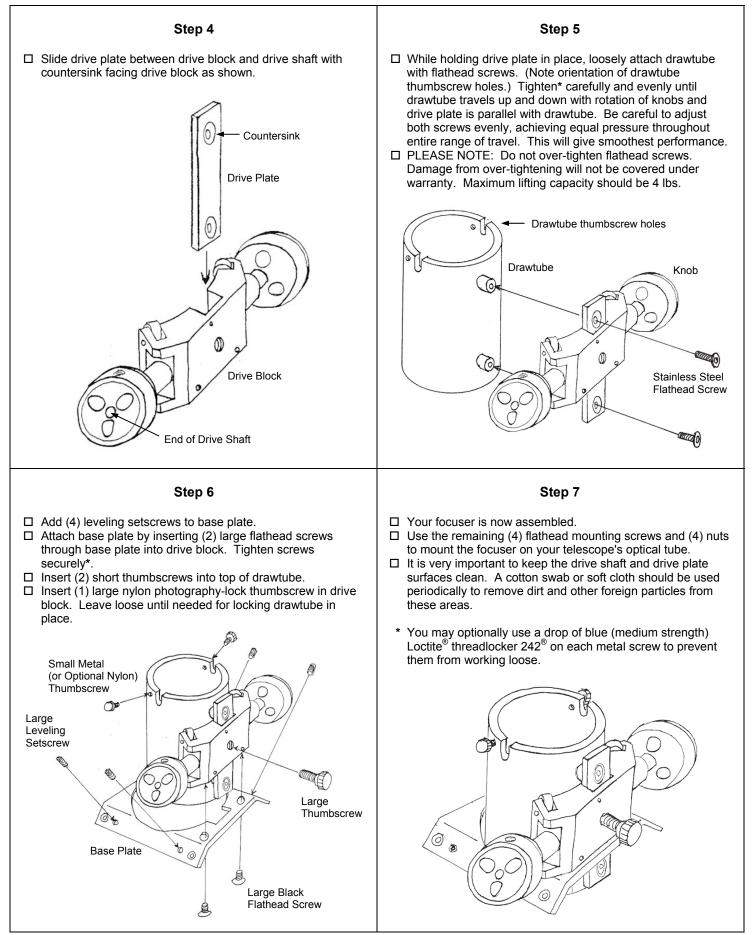


### Step 3

- □ Slide (2) short washer-style spacers over drive shaft ends.
- □ Slide (2) short cylindrical spacers over drive shaft ends.
- □ Slide (2) short washer-style spacers over drive shaft ends pushing bearings into holes in drive block.
- □ Slide (2) knobs over drive shaft ends (flat side inward).
- □ Align setscrew hole in each knob with flat on end of shaft then insert and tighten setscrew (with supplied hex wrench).
- Loosen setscrews slightly, press knobs inward slightly to remove slack, center shaft in assembly then tighten setscrews securely\*.



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