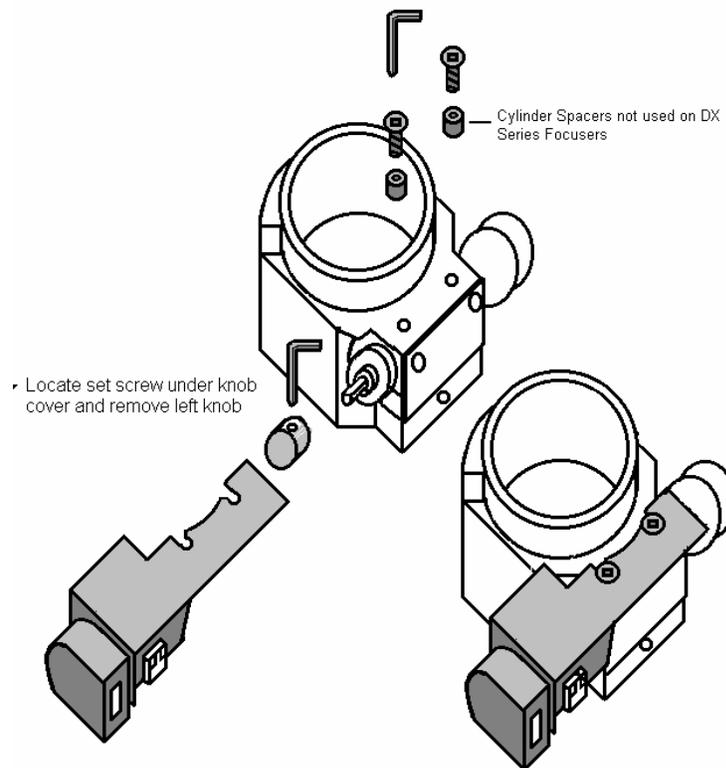


# DRO Encoder Installation

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If you have purchased a separate DRO Encoder Assembly, it will need to be installed on the focuser before you can use your DRO system. The optical encoder attaches to the focuser drive shaft to detect movement. The following instructions are for all current, and some older, JMI focusers models. The picture may not match your focuser exactly but the instructions will be the same. If you have an older focuser, contact JMI for instructions.



Refer to the above diagram for the following instructions:

- 1) Remove the focusing knob on the left-hand side of the focuser (with the knobs toward you) with the supplied hex wrench (0.050" or 1/16"). You may need to move or remove a rubber grip from the knob to get access to the setscrew.
- 2) Insert the two mounting screws in the focuser block as shown. Include any spacers if necessary to vertically line up the coupler with the focuser drive shaft.
- 3) Place the encoder coupler over the focuser drive shaft while positioning the encoder bracket under the mounting screws as shown. The encoder should move freely in the bracket to allow for proper alignment. When the bracket is positioned properly, tighten the setscrew in the coupler to the flat on the focuser drive shaft. The setscrew must be pressing on the flat portion of the shaft in order to hold it securely. Next, tighten the two mounting screws securing the bracket to the focuser body. The last step is to secure the encoder to the bracket using the supplied encoder wrench.
- 4) If you are using the optional MOTOFOCUS, place the 1/8" plug into the 1/8" jack on the motor. Plug the ends of the flat modular cable into the encoder assembly and the DRO hand unit. An auxiliary 1/8" jack on the DRO hand unit allows you to bypass the DRO electronics and use the DRO Hand Unit as a standard hand unit (using an optional standard hand unit cable).

You are now ready to use the DRO system. Refer to the *DRO Installation and Operation* Instructions.

## JMI Telescopes