



Bob's Knobs™

TELESCOPE COLLIMATION THUMBSCREWS

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SPECIAL INSTRUCTIONS FOR INSTALLING BOB'S KNOBS ON A MEADE SCT WITH A SIX-SCREW SECONDARY

In mid-2005, Meade changed the design on many of their telescopes by including six factory screws on the secondary housing, as shown above. The outer three screws hold the secondary assembly together, and the inner three screws adjust collimation. Three coil springs are installed between the inside of the secondary housing and the mirror mounting plate. Each collimation screw passes through a coil spring and holds it in place.

Before installing Bob's Knobs, we recommend that you tighten each factory collimation screw until the coil spring around it is fully compressed. The screw is sufficiently tight when it becomes slightly harder to turn. Do not force the screw beyond this point. Next, remove one collimation screw and replace it with a knob, and repeat this exchange for the remaining two screws, one at a time.

Do not loosen more than one screw at a time or the coil springs could slip out of position. If this happens, you must remove the corrector plate and disassemble the secondary to reposition the springs. Should this task become necessary, first note and mark the position of the corrector plate and secondary mirror so they can be re-assembled with the same rotational relationship to the primary mirror.