

# Borg SWII Assembly Instructions

## Unpacking

Before proceeding, unpack the SWII components and familiarize yourself with all parts.

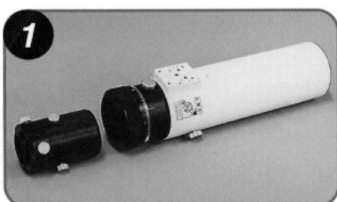


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|---|---|
| 1. Objective lens assembly – 76, 76ED, 100, or 100ED. | 9. 80mm Tube holder [5503]                |
| 2. 80mm tube assembly [6000]                          | 10. H50 eyepiece [4050]                   |
| 3. Helical focuser M [7835]                           | 11. WO13.5 eyepiece [4013]                |
| 4. 2" adapter S [7508]                                | 12. SWK22 eyepiece [4022]                 |
| 5. 2" adapter L [7509]                                | 13. Eyepiece extension [4603]             |
| 6. M57-to-T-ring adapter [7522]                       | 14. Eyepiece extension [4604]             |
| 7. Helical focuser M –to-Turret adapter [7836]        | 15. Single-arm fork mount assembly [3101] |
| 8. Turret eyepiece holder [1401]                      | 16. SWII tripod [3305]                    |

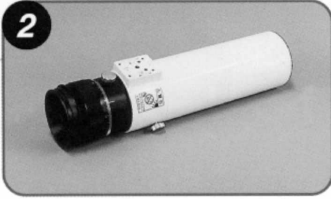
## Assembly

Assembly of your SWII system is described below. Please note that to insure optical alignment, Borg equipment uses fine, precision-machined threads. When assembling pieces, please do so carefully and patiently to avoid damaging the screw threads and avoid touching optical surfaces. This will insure that your equipment performs at its best.

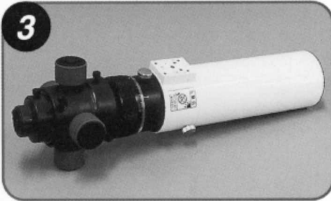
The SWII set comes standard with the 2" adapters already installed on the main tube assembly. If you wish to use the SWII with 2" accessories, you may skip steps 1-3 below which describe how to install the eyepiece turret. To use 1-1/4" accessories without the turret, you may use the optional Borg 1-1/4" adapter accessory [7317].



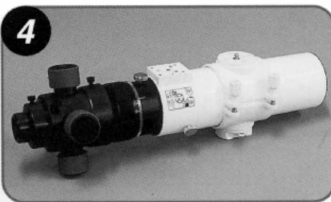
Remove the 2" adapters [7508 and 7509], and the M57-to-M36.4 adapter [7522] from the main tube [6000].



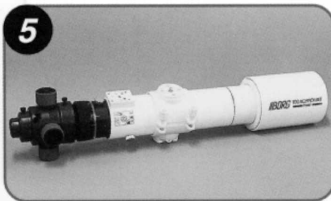
Thread the helical focuser M –to-turret adapter [7836] into the helical focuser [7835].



Attach the turret eyepiece holder [1401] to the adapter installed in step 2. Loosen the three screws on the turret eyepiece holder fully to allow it to be easily attached.



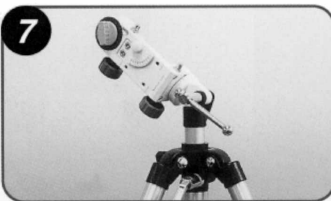
Attach the tube holder [5503] at the center of the tube. Tighten the screws carefully at the same time. **Tightening only one screw at a time may damage the inside of the tube holder, or the tube holder may not grip the tube properly.** If the thumbscrews appear to be slipping you may use a phillips head screwdriver to assist you, but use care not to overtighten the screws.



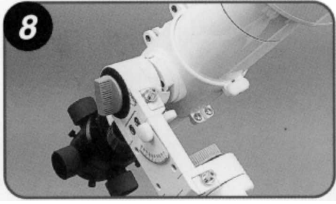
Attach the objective lens assembly at the front of the tube. Since the 76 and 76ED hoods retract, the lens cell threads may be hidden. In this case pull the hood forward until the threads are visible. **Use care in threading the lens cell onto the tube. Improper threading will cause damage to the threads as well as impaired optical performance.**



Spread and extend each leg of the tripod [3305], tightening each knob when extended. The optional accessory bag DX [3308] may be added to enhance stability by adding weight to the mount or to serve as a place to set accessories while observing.



Install the single-arm fork mount onto the tripod as shown in the picture.



Attach the OTA tube holder to the fork mount to complete the assembly.