



CUSTOMER INSTRUCTIONS

Attention This letter should be read BEFORE unpacking or any assembly. Failure to perform the following tasks could result in damage to your new iStar optical instrument, void the warranty and personal injury. NEVER point your telescope toward the SUN without a proper filter installed.

- 1. Carefully unpack your telescope removing all plastic wrap and foam fitted pieces.
- 2. While great care was taken to properly tighten all screws and related fasteners, shipping can loosen them. Please perform the following tasks:
 - A. Your **TUBE RINGS HAVE ONLY BEEN INSTALLED LOOSELY AND NOT BALANCED**. The large knobs on the tube rings need to be tightened BEFORE installing on a mount. After mounting the telescope proper balance must be determined. You can loosen the knobs but not completely to allow the tube to be slid in either direction. Complete instructions for this procedure cannot be covered in this letter. Please contact your dealer or iStar Optical should you need help.
 - B. Examine and check each screw on the tube assembly including those holding the baffles, back plate and lens cell. **DO NOT OVER TIGHTEN ANY OF THESE SCREWS** especially the lens cell screws as it may strip the threads or cause other damage.
- 3. iStar optical instrument tubes are CNC machined to the strictest tolerances. Due to this fact, collimation is rarely needed. However, on rare occasion, shipping can knock the telescope out of alignment. So, to insure peak performance, collimation should be checked. If you have access to a Cheshire collimation tool this is ideal. If not, examining the "Airy" disk will also show the state of collimation. Again, these procedures are too involved to cover here. If you need help or advice, please contact your iStar dealer or iStar Optical direct.
- 4. You will need to carefully install the iStar focuser. The focuser is threaded to match the back plate. Thread the focuser into the back plate. The focuser should be tight

enough to prevent slipping when the scope is in any position. This should be done by hand. Tightening with any type of tool may damage the focuser or back plate thread. Failure to properly tighten the focuser may result in damage to the diagonal or eyepiece. However, keep in mind that you may decide to remove the focuser at a later date. You may have chosen an optional focuser. If so, the appropriate reduction ring must be threaded into the back plate first. Then thread the focuser into the reduction ring.

- 5. After installing the focuser, be sure to set the proper tension on the draw tube. This can be done by adjusting the large thumbscrew located on the underside of the focuser. Proper tension on the draw tube is making it tight enough to prevent slippage but not too tight to create difficulty turning the focus knobs. The iStar focuser is capable of 360 degrees of rotation. The thumbscrew that allows rotation should be tightened to prevent inadvertent focuser rotation.

The enclosed iStar Optical Refractor Telescope was inspected, collimated and “Lab Tested”

iStar Scope Model / Lens Serial Number

This telescope was Star Tested by

