Your NexStar 80GTL includes: optical tube w/ fork arm attached; tripod; computerized hand control; solar filter; erect image diagonal; two eyepieces; finderscope; battery pack; accessory tray w/ compass; documentation including an owner’s manual, The Sky™ CD and Telescope Control Software.

1. Assemble tripod by spreading the legs out until the center leg brace is fully extended.
2. Extend tripod legs 6 to 8 inches by loosening the tripod leg locking bolts and pulling the leg to desired length and re-tightening knob.
3. All three legs should be the same length to provide a level platform for the telescope.
4. Properly assembled, the accessory tray should appear as pictured above.
5. Place accessory tray on top of center leg brace as shown above.
6. To secure the accessory tray to leg brace, tighten the attached screw located underneath the leg brace.
7. Next loosen the screw located on the telescope tube ring clamp.
8. To balance the telescope, slide the tube ring clamp to the line on the warning sticker located on the telescope tube. Then tighten the tube ring clamp screw.
Hold the telescope tube assembly by the fork arm and place the bottom of the base inside the tripod mounting platform as shown.

Then thread the coupling screw into the hole at the bottom of the fork arm base. Tighten screw to secure the entire assembly.

When properly assembled your telescope should look like this.

Place the computerized hand control in the bracket on the accessory tray and connect the hand control to the fork arm base as shown.

Attach the battery pack to the tripod by hanging the strap from one of the wingnuts on the tripod.

To attach the finderscope, loosen the silver screw and slide finderscope into mounting platform. The glass window should be facing towards the front of the telescope.

Tighten silver screw to secure finderscope in place.

Now you are ready to put in the 90° erect image diagonal. First you must loosen the two silver screws and then remove the plastic cap from the focuser.

Insert the chrome barrel of the 90° erect image diagonal into the focuser and tighten the two silver screws to secure in place.

Next loosen the silver screw at the top of the 90° erect image diagonal and remove the plastic cover.

Select the low power (25mm) eyepiece and insert it as shown above. Tighten silver screw to secure.

Remove tube lens cap to begin viewing.

A solar filter may be installed for viewing the sun. Before use check to make sure there are no pin holes in it. See inset. See owner’s manual for complete instructions.

For detailed usage information please consult your manual.