

A Phillips screwdriver is required to open the wooden crate.

The 160 F/11 telescope shipped disassembled in 3 parts (Sketch 00):

Objective end - it shipped boxed and in vertical condition.

Middle section.

Focuser end.

After opening the top remove the accessories ( if any) and packing foam.

Hold the black-red strap (shown with red arrows on the Pict. 01) and lift the Objective end out of the crate.

Take out the parts carefully from the crate and put them on a clean surface.

There are a couple of ways to assemble: vertical (assistant is needed) or horizontal.

Vertical assembling:

Remove covers from the flanges (Pic. 02).

Put the Middle section on a clean surface with a green arrow on the bottom (Pic. 03)

Install the Focuser end on top of the Middle section, align two blue arrows and the holes with a nail or pin  $\sim 1/8$ " dia. Install the 8 flange screws (Pic. 03 middle image).

When tightening the flange screws do not tighten them at one side only, screw them all with slight tightening and then tighten one by one: one on one side, next on the opposite side - this way the flange connection will be done uniformly.

Put the assembly of two parts upside down on the focuser end (Pic. 04), ask the assistant to hold it, install the objective end on top of it, align the holes and insert the flange screws. Screw them in and tight as described above.

Assembling in a horizontal position is straight-forward. And similar to the vertical assembling.

When the OTA is assembled you may install the 19" Losmandy plate. Look for color marks on the plate and plate holders (shown with arrows on Pic. 05)

Contact us if you have any questions

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