

GSO Newtonian Telescope



SPECIFICATIONS

Optical design: Newtonian reflector

Aperture: 200mm (7.9")

Focal ratio: f/4

Focal length: 800mm

Primary mirror: Parabolic primary mirror; minimum 92% reflectivity; protective quartz layer

Secondary mirror: Xmm minor axis; minimum 92% reflectivity; protective quartz layer

Secondary mirror holder: 4-vane all metal spider

Tube outside diameter: End rings = 9.3"; tube = 9.15"

Tube length = 27.75"

Tube weight (with included accessories): 20lbs-6oz

Shipped size / weight = 34"x16.5"x14" / 28lbs-2oz

Warranty: 1 years

Mirror Alignments

The optical alignment is ready when the telescope is manufactured and packed. You may need to fine-tune its alignment after long term use. We do not advise users to fine-tune optics without tools and enough knowledge. Generally, you need a tool (laser collimator etc) to process the optical alignment.

1. Please release (counter clockwise) the main mirror **WHITE** screws.



2. Fine-tune the main mirror surface by three **BLACK** screws.

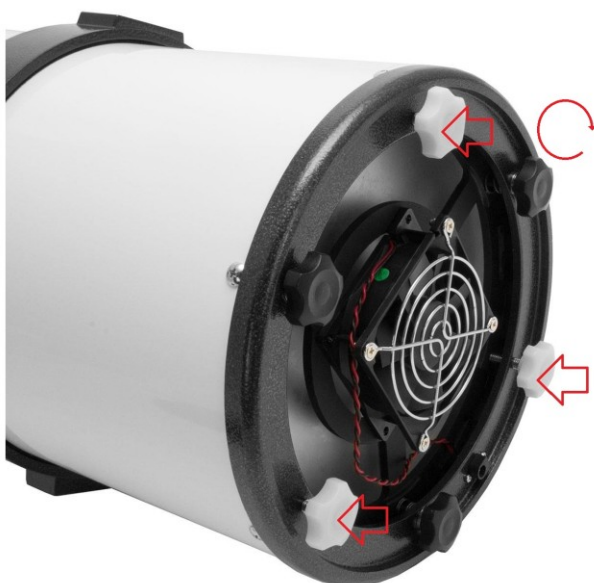


Except the BLACK screws, you need to fine tune the 2nd mirror screws

as well. Please loose the “**WHITE circled**” fixing screw, then fine-tune the 2nd mirror plane by 3 “**RED circled**” screws. After completing alignment, fasten the “**WHITE circled**” fixing screw.



3. Do not forget to fasten (clockwise) the main mirror **WHITE** screws (WHITE) after optical alignment. Be aware to fasten the WHITE screws properly (**not too tight or loose**)



Focuser Adjustments

GSO telescope features high quality 2" Crayford focuser with 1:10 dual speed transmission. You could adjust very precise focus for visual eyepieces by dual speed transmission or lock the focus by the fixing knob for photography. Be aware not to focus the eyepiece at locked mode.

1. Lock the focus

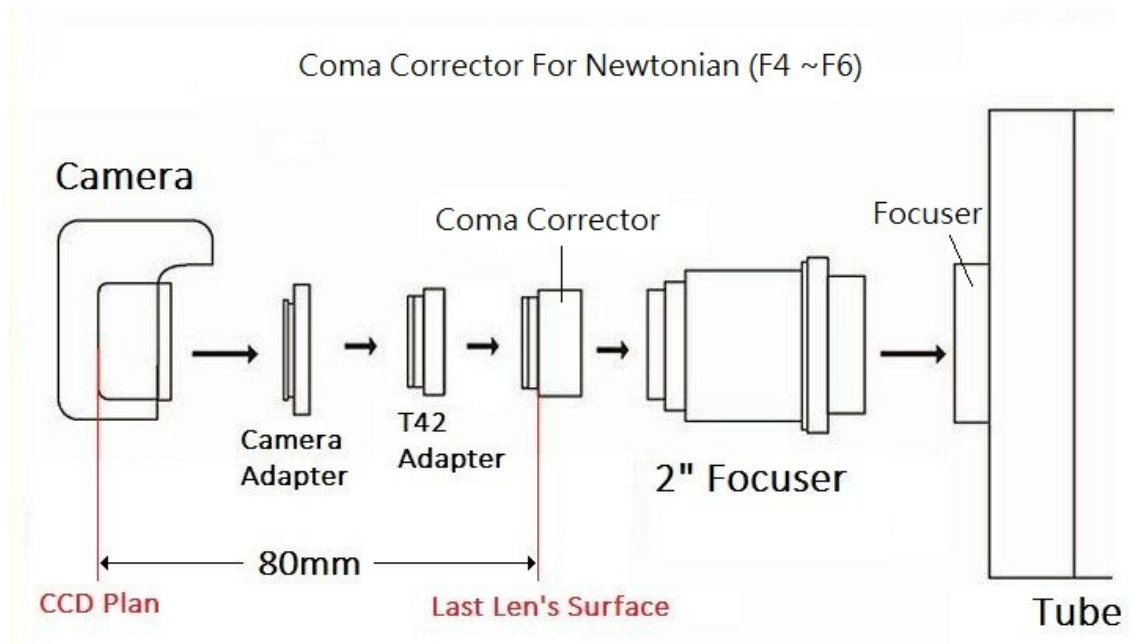


2. Fine-tune the focus for eyepiece. You could adjust adequate focuser friction you would like.



Coma Corrector

Generally, the distance between CCD plane and the last lens's surface of coma corrector is 8cm roughly. Coma corrector installed at inadequate distance wouldn't eliminate coma as its designed.



Coma Corrector Package

Left: 2" eyepiece adapter

Middle: Coma Corrector

Right: Coma Corrector To T42 camera adapter

