

Replacing the O-rings at Lunt Solar Systems H-alpha solar telescopes with Pressure-Tuner



Unscrew the large black handle of the Pressure-Tuner from the brass cylinder. At the outer end of the handle there is a cap which can be unscrewed. Under this cap is a screw that holds the Pressure-Tuner piston.



You can loosen this screw with a 2.5mm hexagonal wrench (Allen key) and then pull the piston out of the handle on the other side.



Now you can remove the old O-rings and insert the new ones. After changing the O-rings, maybe you can remove old grease and apply new Teflon grease (part number 0558350) to the O-rings and to the brass cylinder.

Please note:

- LS50THa

The Pressure-Tuner of the LS50THa telescopes has a much smaller diameter than the Pressure-Tuners of the other Lunt Solar Systems telescopes. Therefore, only the O-rings that are clearly marked as O-rings for LS50THa can be used here. The part number of the O-ring for LS50THa telescopes is 0558320.

There are also two slots for O-rings on the piston of the LS50THa, but normally there is only one O-ring on the rear slot. You can also fit a second O-ring on the front slot, but then it will be very difficult to screw the Pressure-Tuner knob onto the brass cylinder.

- Other telescopes of the THa and MT series

Depending on the production series, the diameters of the Pressure-Tuner pistons can vary slightly. There are pistons with 32mm inner-diameter O-rings (outer-diameter 40mm) and pistons with 34mm inner-diameter O-rings (outer-diameter 42mm). Check the diameter of your old O-rings, we offer both sizes as spare parts:

0558330 - O-ring with 32mm inner-diameter

0558340 - O-ring with 34mm inner-diameter

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