

Beam Block User Instructions

Models 350, 360, 370, 380, 390 series

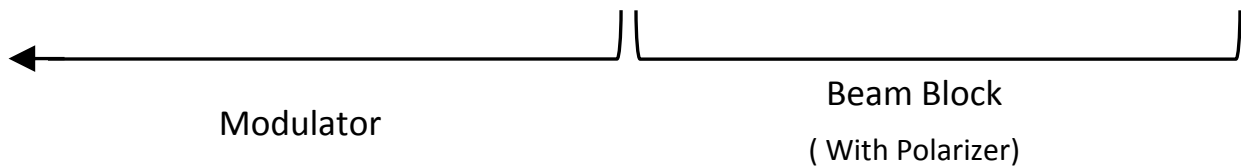
To Align Beam Block to Polarization Input Beam

DEFAULT Configuration: For MPM Systems (302RM & 350-80 & 350-80L)

Input Laser Beam
(Horizontal Polarization)



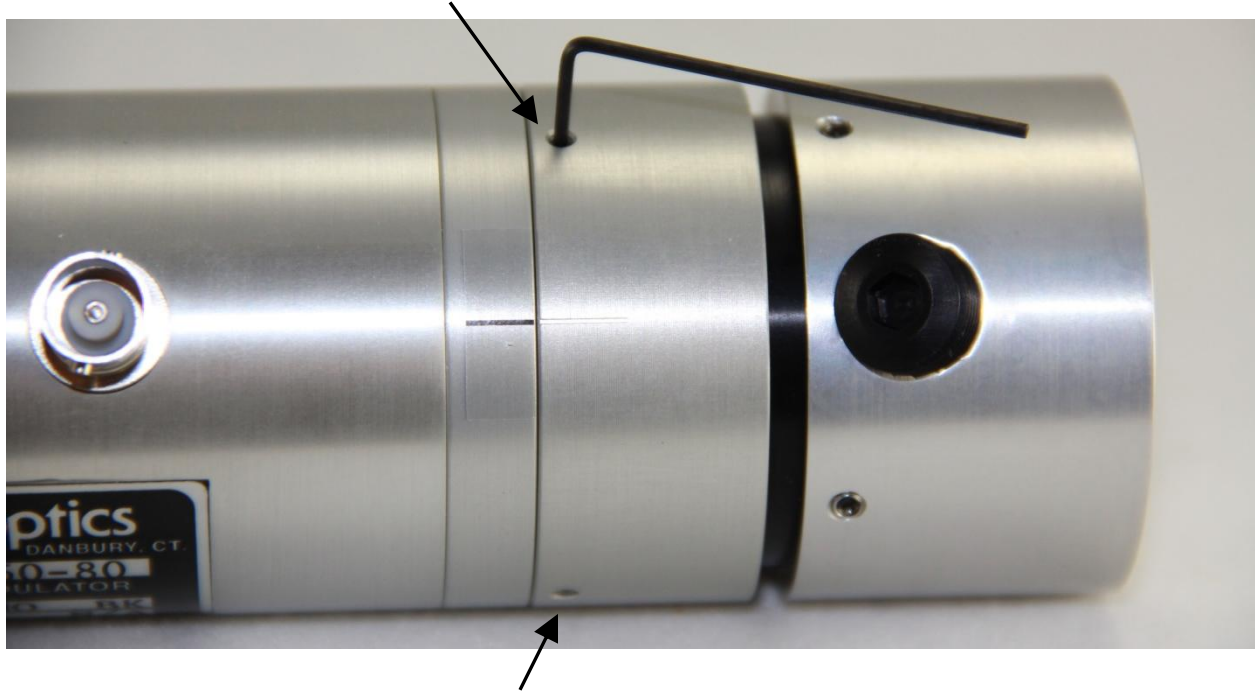
Output Laser Beam
(Vertical Polarization)



Please note:

Alignment lines are Engraved into the Beam Block.

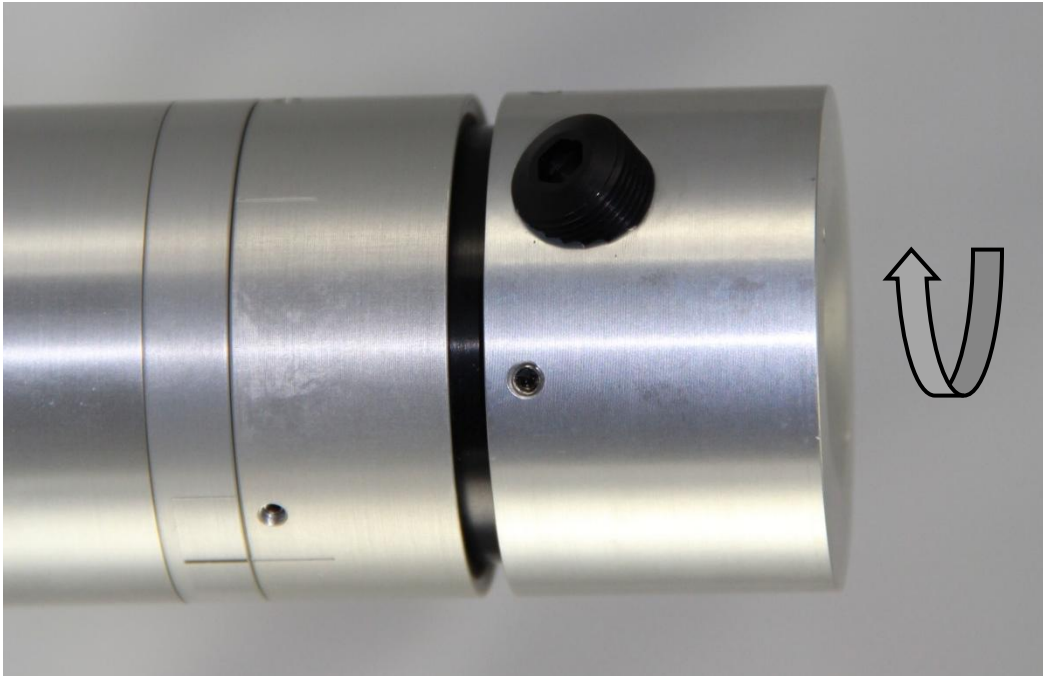
- Turn off / Shutter Laser
- Locate (three) Set screws (see photo below)
- Loosen (three) set screws using a 0.05" allen key, approximately 1 turn CCW



Please note:

Third set screw is not shown on this photo.

- Rotate Beam block 90° so the line on the modulator is aligned to the other engraved line on the beam block
- Re-tighten three set screws, using the 0.05" allen key



DEFAULT Configuration: For MPM Systems (302RM & 350-80 & 350-80L)

Input Laser Beam
(Vertical Polarization)



Output Laser Beam
(Horizontal Polarization)

Please Note:

Make sure the beam block does not rotate while the set screws are tightened.

To allow Rejected Beam to Emit.

- Locate the Black Cap on the Beam block
- Use a 3/16" allen key to remove the Cap, turn the Cap with the allen key CCW to remove



Warning

*During and shortly after operation this Black Cap can become hot to the touch!
Please let the Cap cool before handling.*

Danger {Eye & Skin Safety

If the black cap is removed, the laser beam will be free to emit. Please terminate the laser beam safe manner.

Please note

Do not remove the Beam Block from the Modulator. Tamper Protection is provided to avoid accidental adjustment on (four) mounting set screws.

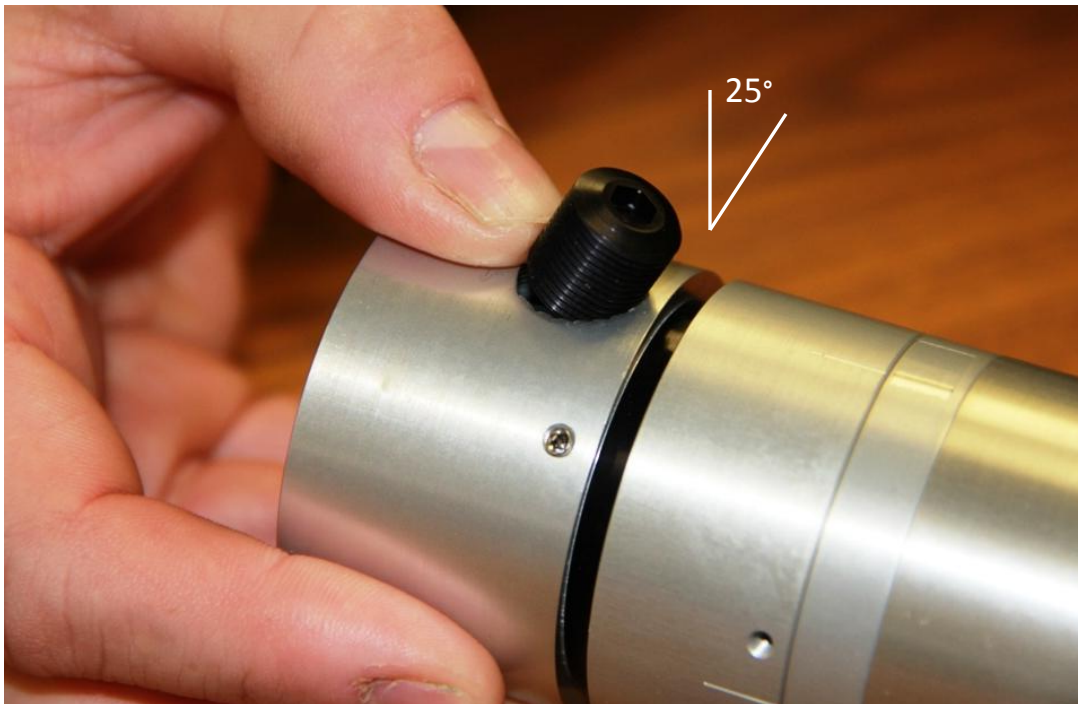
If the mounting screws are adjusted: the beam block requires the modulator to be sent to Conoptics Inc. for re-assembly.

Installation of the Beam Block Cap

Please note

This requires a combination of holding the black cap the proper angle and rotating it on only one side of the threads until the cap is fully threaded.

- Start the beam block cap 3-4 threads down from the top
- Use one hand (right) to rotate the cap, and use your thumb on your left hand to help maintain a 25° angle to keep the cap threading properly



- Rotate CW (several) turns by hand
- Use 3/16" allen key to tighten the cap (minimal force required)