

## NFOS Compression Mount Rimless Workshop

VISION EXPO EAST 2024

Course Handout



**NATIONAL FEDERATION OF OPTICIANRY SCHOOLS**

**“We Teach the Why”**

You will be provided with:

- tools (either full HILCO rimless kit to share, OR compression pliers, cutters, and pushpins for each attendee)

**NOTE: ALL KITS AND TOOLS MUST BE RETURNED. THE TOOLS ARE NOT TO BE KEPT OR TAKEN OUT OF THE ROOM**

- rimless chassis (bridge, 2 temples (one R and one L))
- Drill mount lenses
- 1.4mm Rimless bushings

Thank you to HILCO for providing the tools and Silhouette for providing many of the frame chassis for this NFOS/Opticon WORKshop.

**NOTE: Some frames will be already assembled, or some will be separate.**

In this workshop we expect each participant to demonstrate

1) **DISASSEMBLY** of an existing pair

2) **assembly** of a chassis and pair of lenses

3) **proper bracing technique** when adjusting drilled compression mount rimless eyewear.

<https://www.youtube.com/watch?v=uXt5KGGow>

Laramy K, "how to rebuild a 3-piece Drill Mount Frame"

To disassemble:

- 1) Using "compression sleeve trimming pliers" (see below).



- 2) Trim compression sleeve (FROM BACK OF LENS). BE VERY CAREFUL NOT TO SCRATCH LENS. When cutting the plastic compression sleeve,  
( NOTE: DO NOT CUT the metal post on the frame!!! It will ruin the frame AND ruin your pliers!)



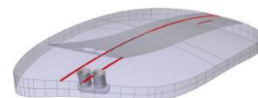
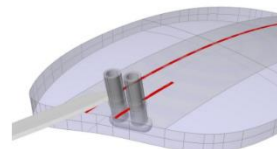
- 3) Gently pull sleeve and frame post from the lens  
You can use a back and forth gentle rocking to slowly pull it out. As long as you have CAREFULLY and COMPLETELY cut the exposed part of the compression fitting, it will workout.  
often tools will have two small metal rods to help push any remaining material out of drill holes:



- 4) When removed, ensure all plastic from the sleeve is out of the lens, and removed from post on frame. You can carefully use cutting tools, but again (for the LOVE OF GOD), DO NOT CUT THE METAL POSTS!!!!!!!!!!!!

#### To Reassemble

- 5) Insert compression sleeve FROM THE BACK of the Lens.  
a. Ensure sleeve is snug to the back of the lens at all times...too much space will cause the sleeve to bend and need to be replaced.
- 6) Trim the sleeve to FLUSH against the front of the lens with the same cutter from step 1.  
a. USE A VERY SHARP CUTTER



7) Use a push pin to expand hole (will smush during cutting, esp with a dull cutting plier)

8) NOW place frame posts INTO the holes you expanded  
a. Push as tight as possible WHILE keeping sleeve flush with back of lens

9) Use Rimless pliers to SQUEEZE posts into the sleeve  
a. If sleeve is not flush to back, may fold over...restart from step 5



10) While adjusting the chasis (Temples, Nosepads, etc) it is of CRITICAL IMPORTANCE to BRACE The frame AT THE POINT OF THE COMPRESSION MOUNT WHILE ADJUSTING (rather than to hold the lenses manually) to prevent the compression sleeve/post to “wobble” loose. If that occurs, disassemble the eyewear and reassemble with a new compression sleeve.

