

# NUMMECH PRODUCTS

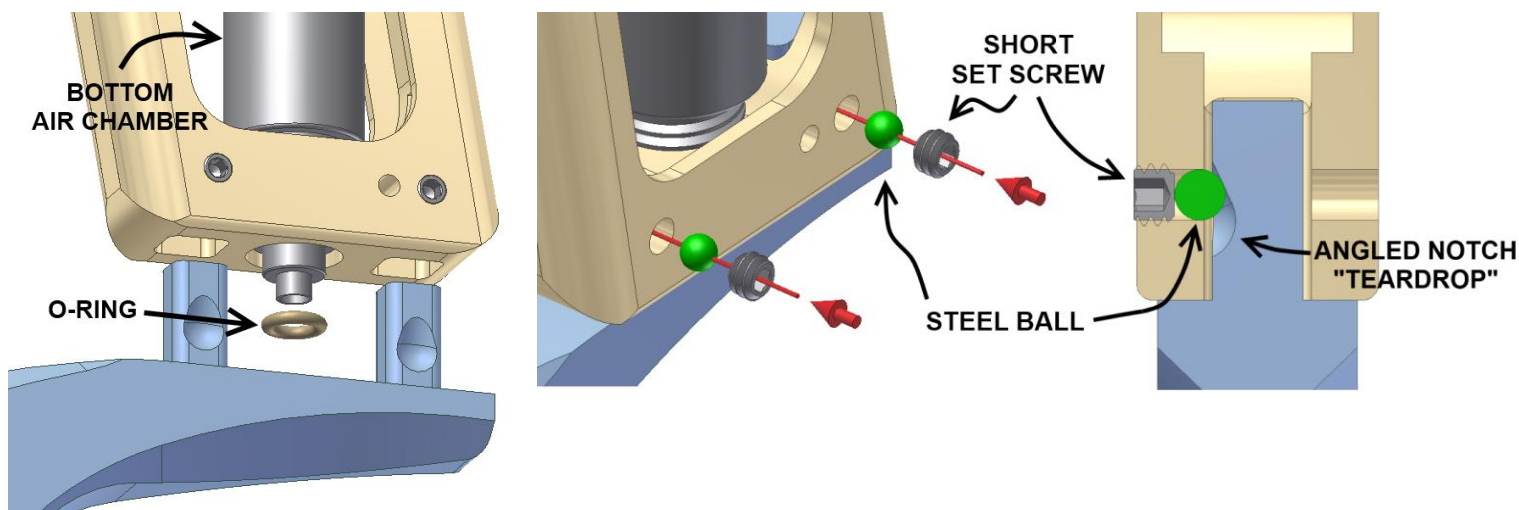
## INVERT MINI / EMPIRE AXE DROP FORWARD

This drop forward is intended to mimic the stock bottomline mount, but with an altered mounting method. Please read these instructions before your installation. An installation video can be found on our website [www.nummech.com](http://www.nummech.com)

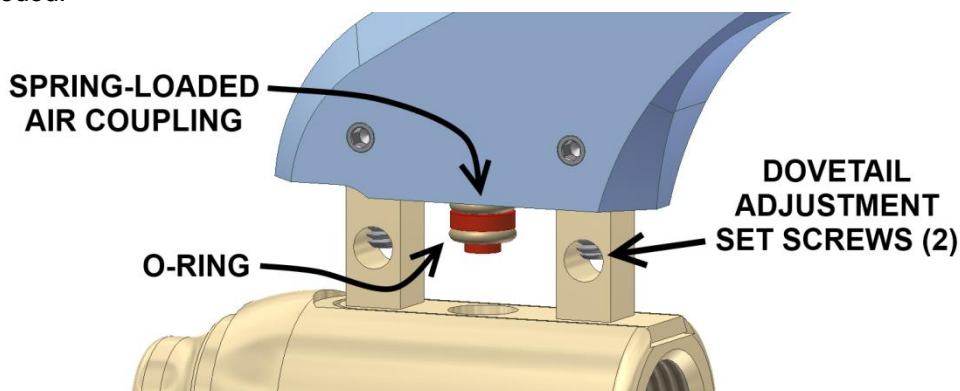
### Installation:

Note: the bottomline mounting method used by Minis and Axes can be difficult to adjust so please be patient during the procedure.

1. Remove the marker's grip panels to access the frame's bottomline set screws on the left side of the frame. Remove these screws now, as they won't be used with the drop forward (however you should keep them for future use).
2. To connect the drop forward to the marker's frame, first ensure **ONE** o-ring is installed between the bottom air chamber tube and the top of the drop forward (see 1<sup>st</sup> diagram below). Spare o-rings are included if you need one.
  - a. Slide the drop forward up into the holes located on the bottom of the marker frame.
  - b. When fully seated up against the frame, drop each of the steel bearing balls into the empty screw holes in the **LEFT** side of the frame (see right). Next, install the new pair of shorter set screws (1/8" length) into the same holes containing the bearing balls. Tighten down the set screws hand-tight; this should eliminate any drop forward side-to-side movement. Using a small amount of Loctite/threadlocker on these set screws is optional.



3. Before connecting the bottomline ASA, be sure **ONE** o-ring is situated between the bottom of the drop forward and the top of the ASA. There should be a pre-installed o-ring on the drop forward's air coupling, but it might fall off during shipping. Spare o-rings are included if needed.
  - a. The drop forward uses a spring-loaded air connection to seal with the regulator. To attach, insert the combined dovetail mount and ASA into the holes on the underside of the drop forward, then guide the two together so the air coupling sits inside the o-ring receptacle in the top of the ASA.
  - b. While pressing and holding the ASA up against the drop forward, tighten the two dovetail mount set screws on the left side of the drop.



### Eliminating gaps:

- If a gap is present between the frame and drop forward, you must screw the frame's bottom air tube upward. Loosen the frame's set screws, adjust the air chamber by 1/4-1/2 turn, then re-tighten the screws.
- If a gap is present between the ASA and the drop forward, you must unscrew the two vertical set screws located in the top of the ASA's dovetail mount. This will help bring the regulator closer upward toward the drop forward when the side set screws are tightened. To do this you must remove the ASA, adjust the set screws, then reinstall.

Please note that a small gap may be acceptable so long as the air connections are sealed up and the marker is functional.