FIRENOCK Solid Insert End Cap Installation Manual
(Installation video is available at https://www.firenock.com/support)

An Extreme Shock End Cap (ESEC) *must* be installed before you shoot Firenocked arrow.

Extreme Shock End Cap Installation

Due to the tight seal that an ESEC and its O-ring create at installation, it is crucial for there to be either no insert or a completely hollow insert installed to prevent any back pressure. Back pressure will push the glue around the curing O-ring and will ruin the system entirely. This alternative installation process is for pre-built arrows with pre-installed, solid inserts.

a) Remove the plastic nock that comes with the arrow.
b) Install the end cap onto the installation tool.

Caution: Do not over tighten the end cap onto the tool. If any of ther tool is extend out of the end cap, you screw too deep and this will cause the end cap to be install too shallow. ***The end cap should be installed at 2.5"/63mm deep.***

c) Roll the O-ring into the groove of the end cap.

Note: Please practice inserting the end cap first before continuing to ensure fluency.

d) Clean the inside of the shaft with an acetone-soaked Q-tip, then let dry.
e) Follow the preparation instructions of a slow-set, 2-part epoxy such as JB Weld Original 8265S.
f) Apply an apple seed's worth of epoxy to the inside surface of the shaft.
g) Carefully insert the end cap, which is installed on the tool, into the arrow shaft about half an inch.
h) Twirl but do not push the installation tool one full cycle to ensure the epoxy covers the full circumference of the O-ring.

Note: The O-ring will ensure that most of the glue is pushed behind the end cap.

i) Straight push the tool until it is flush with the arrow shaft. Do not twist as you push because the glue will not set well.
j) Unscrew the tool from the shaft.
k) With a clean paper towel, wipe off as much of the epoxy from around the lip of the arrow shaft as possible.
l) With a dry and clean Q-tip, wipe off as much of the epoxy from inside the shaft as possible.
m) Clean the end cap tool with acetone and let dry completely before the next installation.
n) If necessary, remove any hardened epoxy from the inside walls of the arrow shaft using an appropriately sized drill bit (see below).
    1. "G" style or 0.166" ID class arrow needs a 0.166" or SAE#19 drill bit
    2. "A" style or 0.202-204" ID class arrow needs a 0.203" or SAE#6 drill bit
    3. "E" style or 0.235" ID class arrow needs a 0.234" or SAE#A drill bit
    4. "S" style or 0.246" ID class arrow needs a 0.242" or SAE#C drill bit

Note: Please practice inserting the drill bit before continuing to ensure fluency.

o) If necessary, remove any hardened epoxy from the lip of the nock end of the arrow shaft using an arrow squaring tool like the Firenock APS.
p) Follow the rest of the installation manual that comes with your Firenock to complete the installation of your lighted nock.