

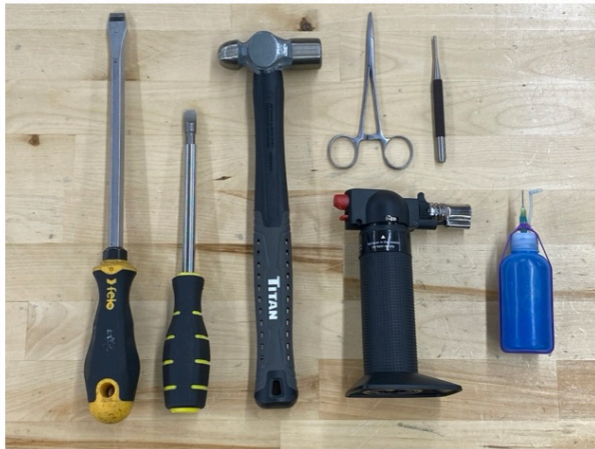
# KNS Galil Ace Modular Charging Handle Installation Instructions

## Safety Notes

- Always obey the four laws of gun handling:
  - Treat every gun as if it were loaded
- Do not point the muzzle at anything you are not willing to destroy
  - Always be sure of your target and what is beyond it
  - Keep your finger off the trigger until ready to fire
- Ensure the firearm is unloaded before installation
  - Always wear eye protection while performing maintenance on the firearm
- Always use eye and ear protection during live fire

The KNS modular charging handle kit for the Galil Ace was designed to be installed by the user with a minimum amount of common tools, these instructions are intended to guide the user through the process.

Tools required:



Extra-wide, common-type (flat blade) screw driver

Large, hollow ground (flat blade) screw driver

Micro/culinary torch

Pin punch and hammer

Hemostat

Medium-strength (blue) thread locker

Bench vise with non-marring soft jaws

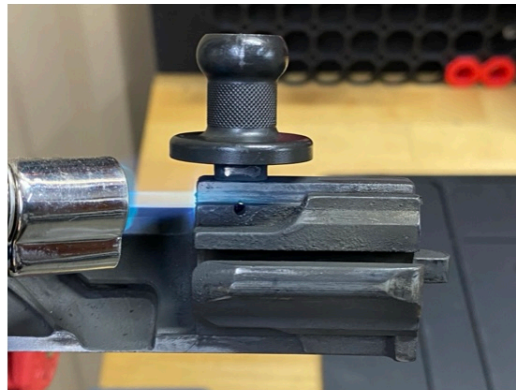
Begin by ensuring the firearm is unloaded and safe, remove the bolt carrier group, and remove the bolt - set aside everything except the bolt carrier.

Secure the bolt carrier in a vise with soft jaws and drive out the coiled pin that intersects the factory charging handle as show.



The factory uses a potting compound resembling thread locking compound. In order to successfully remove the factory charging handle - this compound must be heated to the point of failure, and the handle gently lifted out of the carrier.

To accomplish this - thoroughly heat the area of the bolt carrier where the charging handle attaches with a micro torch. This is the most important step of the installation as the potting compound must be compromised in order to remove the factory handle without damaging it. The handle will easily lift out as pictured once the potting compound has been heated sufficiently.



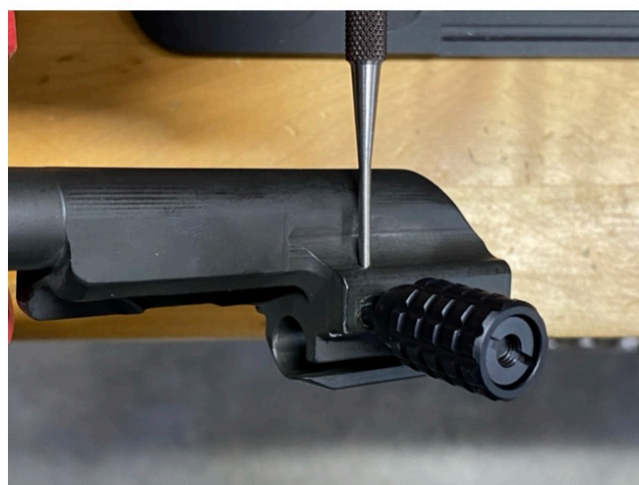
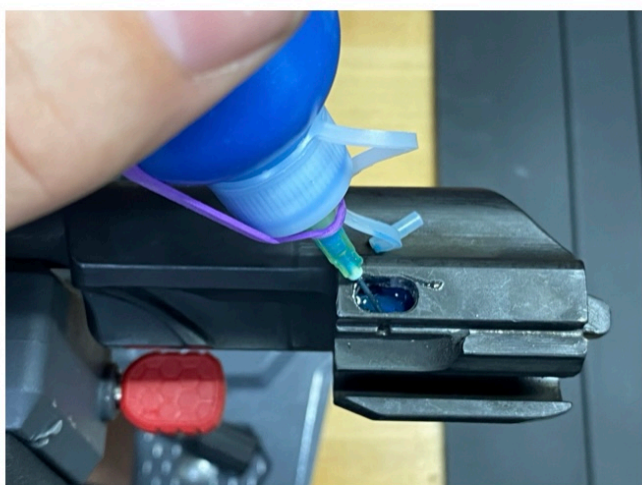


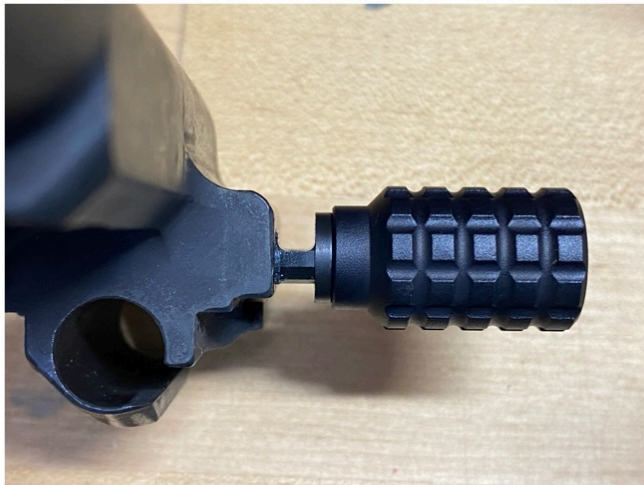
**The factory charging handle will be very hot at this point, use caution when handling it to avoid burns.**

Once the factory handle has been removed, use a pick or small screwdriver to clean out the factory potting compound from the pocket in the bolt carrier.



After cleaning the charging handle pocket, apply enough medium thread locking compound to just cover the bottom of the pocket. Ensure that the orientation is correct, the clearance slot should point upward, to clear the dust cover. Insert the KNS modular charging handle inner spindle, forcing the locking compound to fill all space between the bolt carrier and handle spindle. Using hemostat, pin punch, and small hammer to install new, provided 2x10mm coiled pin. Wipe away any excess thread locking compound and allow to cure.





Once the thread locking compound has set, the installation is complete. There are currently two options for handles, one with a straight fluting and one with a “waffle” texture. Both handles install and function the same way, the “waffle” style is shown here.

#### Optional Step – Fixed Handle Installation

If a fixed handle configuration is preferred, a shim washer may be placed between the handle and the retaining nut to secure the handle in a locked position. The nut is currently installed with Red Loctite. To remove the nut, heat must be applied to break the adhesive bond; this typically requires localized heat.

Once sufficient heat has been applied, the nut can be removed using a large, hollow-ground screwdriver. This tool ensures full engagement with the nut slot and helps prevent damage to the nut. After removal, place the shim washer over the spindle. Apply a small amount of vibration-resistant thread-locker, such as Vibra-tite or Red Loctite, to the exposed spindle threads. The nut can then be reinstalled and torqued to 20 in-lbs.

At this point the installation of the KNS modular charging handle is complete.

Reassemble firearm per manufacture’s instructions and perform a function check of all safety-related controls to ensure installation was completed correctly.

