KNS Galil Ace 7.62x39 Plastic Delete 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 plastic delete 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:

1. Extra-wide, common-type (flat blade) screw driver with the ability to be driven by a wrench

2. Large, common-type (flat blade) screw driver

3. Adjustable Wrench

4. 3/16 Hex key

5. 3mm Hex key

6. Medium-strength thread locker

Bench vise with non-marring soft jaws

Begin by ensuring the firearm is unloaded and safe, field strip the weapon. Remove the front hand guard by first sliding off the rail side rail covers to gain access to the screw(s) that secure the hand guard to the barrel and remove them with a 3mm hex key. The hand guard can now drop free of the weapon allowing access to the screw that secures the front of the mag well.

Use a large common type screw driver to remove the front magwell screw, taking care to keep tool fully engaged under load as this fastener usually thread-locker applied.

The front hand guard may be reinstalled at this time.

Secure firearm with the magwell pointing towards the ceiling in a bench vise equipped with non-marring soft jaws by clamping on the outer surface of the receiver, taking care not to crush the safety selector. Only enough pressure to secure the weapon while working on it is required.

Using the tip of your screwdriver - open the compartment on the bottom of the pistol grip.

Using a common type screwdriver with an extra wide tip, engage the grip screw - use an adjustable wrench to apply torque to the screwdriver, while applying downward pressure to keep the screwdriver tip fully engaged. This screw is usually very tight and it is important to keep the screwdriver fully engaged while torque is being applied, otherwise damage to the screw can occur. Remove the grip screw and set aside.

Removing the grip screw will allow the bell crank nut inside the receiver to drop free, although it will still be engaged with the left side safety lever. Remove the weapon from the vise and move the selector to “safe”. This places the left safety sector lever in a position where it can disengage from the bell crank nut, allowing the nut to be removed from the weapon. At this point the right safety selector can be rotated up and worked free of the receiver/left safety lever and the left safety lever can drop free of the receiver.

At this point, the plastic lower/magwell piece can drop free of the weapon and be set aside along with the original bell crank nut, grip screw, and front magwell screw.

Re-insert left safety lever into the receiver from the bottom, then partially re-install right side safety selector. The lower boss on the safety sector lever must be engaged with the hole in the end of the left safety lever. Getting these to parts to engage each other, while at the same time reinstalling the right selector lever is a challenge if you've never done it before, so do not be frustrated if it takes a few tries.

Once the right safety selector has been successfully installed into the receiver and engaged with the the left selector lever, the supplied KNS bell crank nut can be put into place. This part also must engage the left safety lever to form the bell crank and allow the selector to be moved from that side. The lever engages the round stud milled into the bell crank nut as the nut is positioned into the square hole in the bottom of the receiver. Ensure that the bell crank nut is fully
seated in the receiver .

These pictures are to illustrate the interaction between the main safety selector lever, the left side selector lever, and the bell crank nut when installed correctly in the host weapon.

Apply a small amount of medium thread locker to the *STAINLESS* 1/4-20 cap screw provided in the kit and place it into the bell crank nut from the top, down so that it protrudes from the bottom of the receiver. Engage this screw with a 3/16 hex key to hold both the screw and bell crank nut in place.

The fastener that is used to attach the main housing is stainless steel for identification. It is VERY important that the stainless fastener is used to attach the main housing to avoid accidentally using the grip screw and damaging the housing.

Place the aluminum housing against the bottom of the receiver so that the front “ears” surround the magazine catch assembly and apply pressure towards the muzzle to ensure that it the housing is seated against the magazine catch assembly. With the aluminum housing in place, thread in and tighten the 1/4-20 cap screw with the 3/16 hex key. At this point, the KNS delete kit is installed and all that is left is to install an AR15 pattern grip and reassemble the weapon.

Included in the kit is a 1/4-28 cap head screw for installing the AR15 grip onto the aluminum housing. This screw is only necessary if the AR15 grip screw provided by the manufacturer of the grip is either missing, or too long. Apply a small amount of medium thread locker onto the screw before installing. This 1/4-28 cap head screw is tightened using a 3/16 hex key.

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