

PANTHEON ARMS



KENTRI 3.5N SHORT BUFFER INSTALLATION INSTRUCTIONS

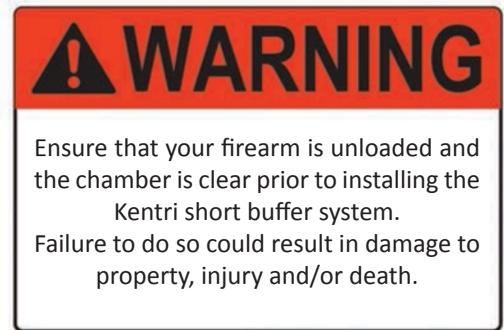
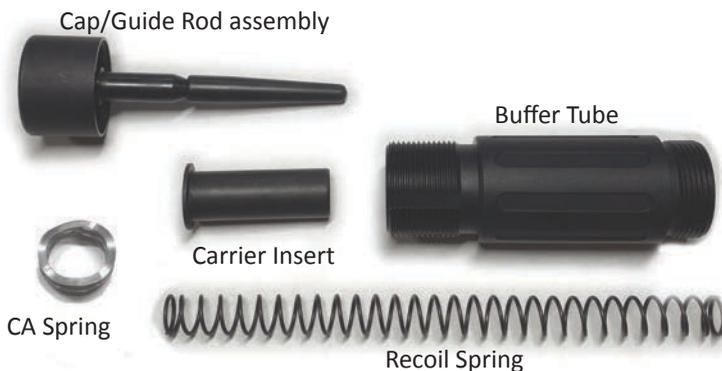
Thank you for purchasing the Pantheon Arms Kentri short-buffer system for AR15 variants! Please read the full instructions prior to installing the Kentri and contact us if you are unsure of any steps. Although not necessary, it is recommended a gunsmith perform the installation of this product.

These instructions are specifically for model SKU: KTR35N.

This specific model is only compatible with carriers that use a non-integrated bolt (traditional blowback pistol caliber carbines are compatible with KTR35i). Compatible calibers include 5.56x45mm, .300BLK, and 7.62x39mm. CMMG Banshee 9mm radial delayed blowback BCGs are also compatible with this model. An M4/M16 bolt carrier is recommended for reliable function (lightweight carriers may lead to malfunctions).

Please note that once the Kentri is installed on your AR15 variant you will need to remove the buffer internals to safely remove your upper receiver from the lower receiver. Detailed instructions for this can be found at the end of these instructions.

What's in the box:



Parts needed to complete install:

- Complete upper receiver with charging handle and bolt carrier group (with or without barrel installed)
- Lower receiver with at least the take-down pin installed, or parts available to install (take-down pin, take-down pin detent and spring)
- Lower receiver end plate (standard GI or QD, etc.) and buffer tube castle nut

Tools needed:

- Spanner type castle nut wrench, or 1/8" thick max. standard castle nut wrench.



Prepping your receivers for install

Before installing the Kentri buffer tube on your receiver you will need to remove any previously installed buffer tubes and receiver end plates, as well as the buffer detent and detent spring, from your lower receiver. Be mindful of the take-down pin detent and spring when you are removing those items as it is under tension and easily launches across the room if you are not careful! Leave your BCG and charging handle installed in your upper, and attach your lower to it. With your receiver void of any buffer tube, you are ready to install the Kentri.

Installing the Kentri buffer tube and receiver end plate

You will need the Kentri buffer tube, your receiver end plate, and your lower receiver for this step. Thread the castle nut back towards the shorter threads until it stops, if it isn't already in that position. Place your end plate over the tube threads where the castle nut is installed, with the protrusion of the plate facing the receiver. If you have not yet installed your take-down pin in your lower receiver, do so now.



Carefully begin threading the tube into your lower receiver while ensuring the take-down detent spring remains straight as you thread the tube into the receiver. Stop threading in the tube once the edge of the tube is just beginning to cover the edge of the buffer retaining pin hole, and the end plate is in the correct orientation. Thread the castle nut against the end plate until it is tight, then use your castle nut wrench to torque the castle nut. The castle nut is provisioned for staking to prevent loosening (recommended).

Internal component orientation

Assemble the internal components of the Kentri by inserting the recoil spring inside the flared end of the carrier insert, and finally, inserting the guide rod in the open end of the recoil spring. The open ends of the springs are identical and do not have a specific orientation. Initially, do not install the CA spring. If you find that your carrier does not consistently go into battery with your configuration, install the CA spring over the carrier insert as shown in the photo.



Installing internal components

You will need the cap/guide rod assembly, carrier insert, recoil spring, and your upper and lower receiver. Attach your upper receiver to your lower, then slide the internals – leading with the carrier insert – through the buffer tube and into the rear of your bolt carrier group. Compress the springs enough that you can engage the tube threads with the cap and continue threading the cap onto the tube until it stops. If the carrier insert and/or recoil spring slide off before inserting, just put them back into place – the open ends of the springs are identical and do not have a specific orientation.



Function test

Pick up your Kentri equipped AR15 and cycle the bolt a few times using the charging handle. Lock the bolt to the rear with the bolt catch and release the bolt using the bolt catch. If you do not have a barrel installed, DO NOT release the carrier using the bolt catch as it will damage the charging handle; instead, pull the charging handle to the rear and slowly guide the carrier home.

Suggested Use

The Kentri 3.5N is not intended to be held to the shooter's cheek or shoulder, or otherwise provisioned for attaching a stock or stabilizing brace. Employing a single point sling at full extension with a receiver end plate that can accept a single-point sling attachment is recommended (QD, or other sling mounting provisions) in order to stabilize the firearm under recoil. An example using a QD swivel attachment and single-point sling is shown.



Breaking down a Kentri equipped AR15

Since the Kentri omits the use of a standard buffer and recoil spring assembly retained by the buffer detent, you will need to remove the internal components to separate your upper from the lower, and/or remove the bolt carrier group and charging handle. All you need to do is remove the end cap and slide all of the internal components out through the open tube. Follow the installation instructions starting with

If your Kentri is not functioning properly, please contact us via email at sales@pantheonarms.com to help you with a solution.