

### Installation of JP V-Tac Modular Hand Guard for AR-15 or AR-10 rifles

Second Generation

**CAUTION: REMOVE MAGAZINE AND VISUALLY CHECK CHAMBER TO VERIFY THAT WEAPON IS CLEAR.**

The second generation JP/Viking Tactics modular hand guard system consists of the following components. Make sure your kit is complete.



- One (1) hand guard tube
- One (1) outer receiver nut
- One (1) inner barrel retainer nut
- Seven (7) 6-32 x 5/16" flat head screws\*
- Two (2) quick-detach stud assemblies or one (1) assembly for the JPHG-4
- 6-32 x 1/8" optional plug screws
  - Seven (7) screws for the JPHG-1 and JPHG-3
  - Five (5) screws for the JPHG-5
  - Four (4) screws for the JPHG-4

*\*When installing the JPHG-3 on a .308 rifle, take note of the positions of the 6-32 flat head screws securing the outer receiver nut and barrel retainer nut in the tube. These screws are of different lengths and must be replaced in the same holes from which they were removed.*

This hand guard has been designed to achieve maximum versatility, high rigidity and structural integrity, positive barrel retention and cool operation under sustained fire.

For the purpose of these instructions, it is assumed that you are starting with a stripped upper receiver or already know how to disassemble your upper. As there are so many possible parts configurations on the market at this time, it is not feasible to relay disassembly procedures for every configuration within the scope of these instructions. We will also assume that you are using a flat-top receiver of some sort as opposed to an A2 upper with carry handle.

#### Installation instructions

1. Lock the receiver in an action block or other suitable means. Be careful not to crush it.
2. Degrease the threaded area of the barrel collar and the interior threads of the larger aluminum receiver nut. Some manufacturers use a Teflon coating on the receiver. We recommend that you remove the coating from the threads with a stainless brush so that the Loc-Tite can bond.
3. Using the red 271 Loc-Tite, coat the threads of the receiver barrel collar and install the receiver extension nut, turning it down until it stops. Then, back it off until the gas tube holes are in alignment. Let that set overnight so that the Loc-Tite cures thoroughly. It is important that the extension nut is solidly locked to the receiver or it will rotate when you tension the barrel collar against the flange of the barrel.

Extension nut shown with barrel  
retainer lock nut started



4. After the thread locker is set, slip the barrel extension piece into the receiver barrel collar. Make sure the extension piece pin is securely inserted at the 12:00 locator notch in the receiver barrel collar. Apply a coating of anti-seize compound onto the threads of the barrel retainer nut. Failing to do so may cause the threads to gall and lock the two nuts together, ruining the aluminum receiver extension nut. Slide the steel barrel lock nut over the barrel, and turn it by hand until it stops against the extension piece flange. Then, using a standard armorers wrench, apply 50 to 80 foot-pounds of torque as necessary to align the lock nut to the gas tube channel.

5. Now, slide the tube over the barrel and onto the receiver extension nut. Index to the screw holes, and install the seven 6-32 flat head screws with Loc-Tite 242 to retain the tube.

6. Next, install the gas block/gas tube assembly and secure to the barrel by whatever method is necessary. Then, install the muzzle brake or flash suppressor if needed.

### ***Utilizing this hand guard system***

We have supplied two quick detach dome studs (one stud with the carbine-length tube) for sling or bipod attachment. Typical installation would place one at 6:00 forward or aft slot and one at 9:00 for right-hand tactical sling setup, or 3:00 for left-hand setup. Additional dome stud assemblies can be purchased directly from JP. These are floating studs that can slide and lock in place in a given slot. There is also a hole tapped to 10-32 in the center 6:00 position if you wish to install just the stud in that permanent location.

One of our 4" Picatinny rail sections can also be installed in any position and will accept any Picatinny accessory that is within rail specifications. Although the backer plate has three holes, you may also shorten the back plate to two holes if necessary. As many rail segments as needed may be installed at any location or removed at any time.

A full-length 12:00 rail section is also available for both the rifle and carbine-length hand guards for co-witnessed sighting equipment. The 12:00 rails are the same height as an A3 flat-top receiver rail and function as an extension of that mounting platform. If not using the full length top rail, you can use the 6-32 set screws supplied with the kit as plug screws.