

JP Modular Hand Guard: AR-15/M16, DPMS LR-308 and Armalite AR-10 rifle models

CAUTION: REMOVE MAGAZINE AND VISUALLY CHECK CHAMBER TO MAKE SURE THAT FIREARM IS UNLOADED.



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) aluminum outer receiver nut
- One (1) steel inner barrel retainer nut
- Six (6) 6-32 flat head screws
- Two (2) quick-detach stud assemblies
- T10 Torx wrench

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 purposes 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 within these instructions disassembly procedures for every configuration. 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 being careful not to crush it.
2. Degrease the threaded area of the barrel collar and the interior threads of the larger aluminum outer receiver nut. Some manufacturers use a Teflon coating on the receiver. We recommend that you remove this coating from the threads with a stainless brush so that the Loctite® can bond.
3. Using red Loctite® 271, coat the threads of the receiver barrel collar. Install the aluminum outer receiver nut, turning it down until it stops and then backing it off until the gas tube holes are in alignment. Making sure to leave a slight gap between the back face of the outer nut and the front of the receiver. While the cosmetic appeal of having the outer nut flush against the receiver is obvious, do not (as we have seen on occasion) attempt to face the back of the nut in order to make it torque tightly against the receiver. This will cause some degradation in accuracy and point of impact during prolonged fire.



Note: While alignment of the gas tube holes between the receiver and hand guard by itself is not extremely critical, if you intend to use a 12:00 rail system, precise alignment of the hand guard system to the receiver becomes very important. At this time, we suggest using the hand guard tube with the rail attached to further refine the alignment of the aluminum outer

receiver nut to the rail. Before the Loctite® cures, slide the tube on the outer nut and install with at least two screws. Check for perfect alignment of the 12:00 rail system to the actual receiver rail and correct if necessary.

4. Insert the barrel extension piece into the upper receiver. Apply an anti-seize compound to the threads of the steel inner barrel retainer nut. Failing to do so may cause the threads to gall and lock the two nuts together, ruining the aluminum outer receiver nut during your final assembly. Insert the steel barrel retainer nut and screw it into the aluminum receiver nut until you have tensioned the aluminum outer nut on the receiver hand tight while making sure you retain alignment of the gas tube holes. This ensures proper thread contact and concentricity with the upper receiver. Let that set overnight so that the Loctite® cures thoroughly. It is important that the aluminum outer receiver nut is solidly locked to the receiver, or it will rotate during the final tension of the barrel collar against the flange of the barrel extension piece.
5. After the thread locker is set (with the hand guard tube removed), use a standard armorers wrench to apply 50 to 80 foot-pounds of torque as necessary to align the steel inner barrel retainer nut to the gas tube channel.

Note: In some cases when tensioning the steel inner barrel retainer nut, it may not be possible to achieve alignment of the gas tube channel of the steel inner barrel retainer nut at an acceptable torque. The easy fix for this is to grind off the offending nub of the steel inner barrel retainer nut to clear the gas tube.

6. Slide the tube over the barrel and onto the aluminum outer receiver nut. Index to the screw holes, and install the six 6-32 flat head screws with Loctite® 242 to retain the tube.

Note: If you are installing one of our .308 model hand guards, take note of the differing lengths of the 6-32 flat head screws for securing the aluminum outer receiver nut and steel inner barrel retainer nut in the tube. Four of these screws are shortened to accommodate the asynchronous design and should be installed in the bottom four holes, i.e. the holes not adjacent to the gas tube channel of the aluminum outer receiver nut. Install the unshortened screws into the top two holes (nearest the gas tube channel) only.

7. Install the gas block/gas tube assembly and secure to the barrel by whatever method is necessary followed by the muzzle brake or flash suppressor if needed.

To remove the outer nut after the thread locker cures, you must remove the aluminum outer receiver nut to reconfigure the rifle, use a propane torch to heat the outer nut and use a strap wrench to remove the nut. The Loctite® 271 will degrade to a white powder at about 400-450° F.

Using This Hand Guard System

We have supplied two quick-detach dome studs for sling or bipod attachment. A 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 any given slot. There is also a hole tapped to 10-32 in the center 6:00 position if you prefer to install just the stud in that permanent location.

One of our 4" or 2" Picatinny rail sections can also be installed in any position and will accept any Picatinny accessory that is within rail specifications. Although the 4" backer plate has three holes, you may also shorten the plate to two holes if necessary. As many rail segments as needed can be installed at any location and removed easily at any time.

A full-length 12:00 rail section is also available for the rifle-, mid- 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.