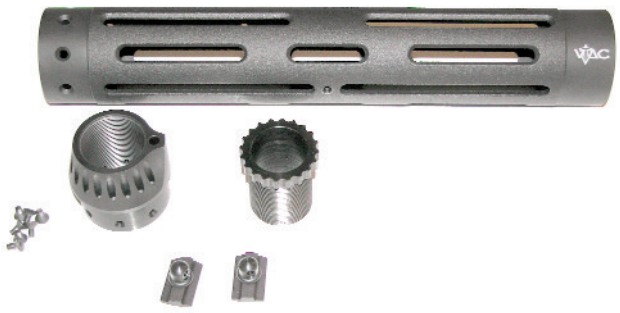
JP Enterprises, Inc.™
Tactical Performance Gear

JP / Viking Tactics Modular Hand Guard:
M15/16, DPMS LR-308 and Armalite AR-10 rifle models

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
- Six (6) 6-32 flat head screws*
- Two (2) quick-detach stud assemblies
- 6-32 x 1/8" optional plug screws
    - Seven (7) screws for JPHG-1 models
    - Five (5) screws for JPHG-5 models
    - Four (4) screws for JPHG-4 models
- T10 Torx wrench

**When installing one of our .308 hand guards on your 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 are 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 this coating from the threads with a stainless brush so that the Loctite can bond.

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Extension nut shown with barrel retainer lock nut started

3. Using the red Loctite 271, 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. Now, insert the barrel extension piece into the upper recever. Apply an anti-seize compound to the threads of the inner barrel lock nut. Failing to do so may cause the threads to gall and lock the two nuts together, ruining the aluminum receiver extension nut during your final assembly and high torque application to the barrel nut. Insert the inner barrel lock nut and screw it into the outer nut until you have tensioned the 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 extension 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.

Note: While alignment of the gas tube holes between the receiver and hand guard in and of 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 outer receiver extension 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. After the threadlocker 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 lock nut to the gas tube channel.

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

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

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

To remove the outer nut after the thread locker cures, you must remove the outer receiver extension 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 (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 any 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” 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 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.

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