

# Installation Instructions & Use Recommendations

## FMS Accessories – Long Assault Rifle Mount

These instructions must be read carefully and thoroughly **before** beginning work. FMS Solutions, LLC accepts no liability for damage caused by failure to observe the installation instructions or use recommendations.

**Installation of this accessory does not change the factory specified load limits for the motorcycle.**

FMS Accessories has developed a mounting bracket to enable agencies to mount the FMS M4 Assault Rifle Mount to the RH side of the motorcycle and accommodate long barrel lengths as well as suppressors. This mount stands taller than the standard RH rifle mounting bracket and is angled toward the rear wheel to aid in cornering clearance.

**These instructions are supplementary to the FMS instructions which illustrate how to adjust the rifle mount to the weapon and how to wire it to the motorcycle.**

**Note: Later production FMS Assault Rifle Upper assemblies have a second retainer strap pin located  $\frac{3}{4}$ " lower to make it easier to secure the strap near the tail light.**

Three lower leg variants are available. The standard with "flag" sight shield, standard without sight shield, standard with large muzzle cup for suppressors. All three mount the same way as noted below.

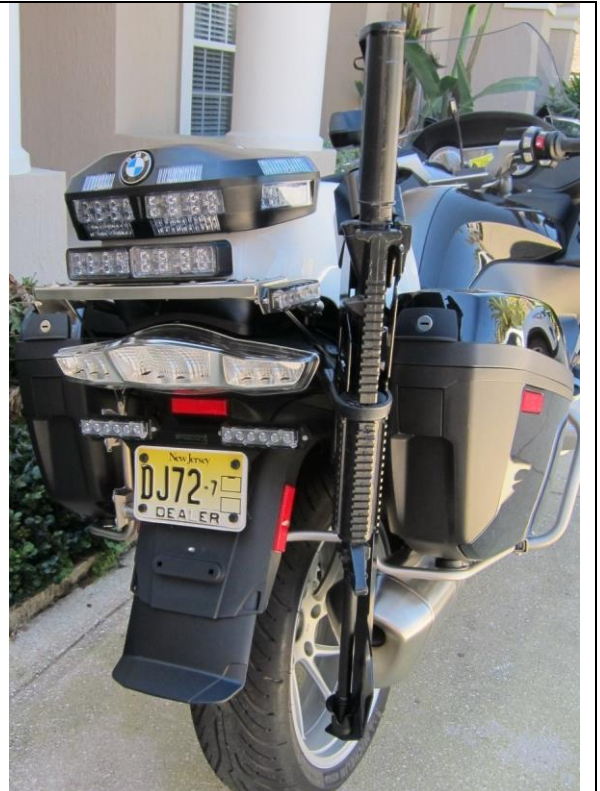
The FMS assault rifle mounting bracket comes with the nut clips and M6 bolts. **Please use red Loctite on the mounting bolts** to ensure they cannot be removed easily.

Additional hardware is provided to secure the rifle mount to the bracket which is different than the standard rifle mount instructions.

The upper two mounting holes utilize M6 x 16 Torx bolts from the saddlebag side, through the bracket, into the mount, secured with M6 nylock nuts.

The lower two mounting points secure with the normal clip nuts and M6 x 20 Torx bolts.

An additional security point is on the bottom which secures with M6 x 20 Torx bolt and clip nut.



Secure the upper assault rifle mount to the upper two holes in the bracket using the M6 x 16 Torx bolts, securing with M6 nylock nuts. Snug but don't tighten fully yet.

The lower leg of the rifle mount will attach to the lower pair of bolt holes under the rifle mount (sandwiched between) with a final securing bolt at the bottom.

The lower leg likely will need to be trimmed to the proper length.

You will need to know the dimensions of the rifle from the charging handle to the muzzle tip.

In the example below, the measurement is 26".



Per the example above, position the lower leg so that the distance from the inside of the muzzle cup to the center of the charging handle slot is 26". You may need to trim the length of the lower leg slightly if you are using a shorter barrel length.

Some agencies prefer this mounting as it allows for mounting of optic sights and other accessories that could be damaged when placed in the standard mount.

**Note: The lock hasp must close completely with some space between the hasp and grip on the rifle. If the lock hasp is "loaded" / under pressure by the rifle grip, it will cause the lock release mechanism to malfunction. Slightly lower the muzzle support (within the clearance of the charging handle guard) to gain the needed clearance at the grip.**





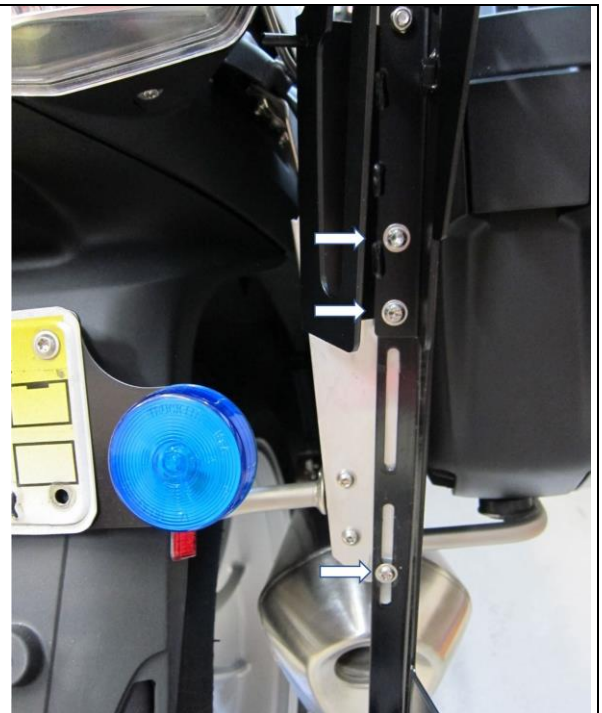
Secure the three M6 x 20 Torx bolts shown at right. Test fit the weapon if possible to verify fit.

Secure the top two M6 x 16 Torx bolts and M6 nylock nuts.

Adjust the retainer strap if the weapon is available, otherwise inform the customer to do so once in their hands.

The assault rifle mount heat shield was designed to mount outboard of the lower leg to deflect the exhaust gasses / heat from the lower leg / muzzle cup.

**Caution: The Heat Shield will get very hot in normal use – don't touch immediately after operating the motorcycle!**



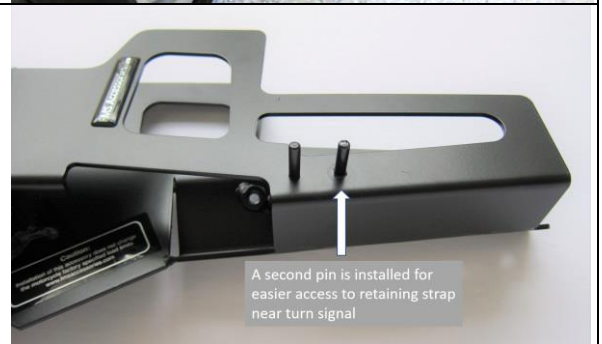
The shield attaches to the lower leg with two M5 x 12 Torx bolts. If you need to remove the lower leg, **mark the depth relative to the main mount** so that you can reassemble it correctly. Position the shield so that it deflects the main exhaust flow. If necessary, extend the shield down slightly past the end of the lower leg.

Drill the two holes in the lower leg with the shield positioned as shown at right. The longer side of the shield is on the left / the shorter side is on the right.

When mounting, start with the M5 x 12 bolt on the outside of the shield. Add two M5 flat washer on the inside of the shield to space the shield slightly away from the lower leg. Mount shield with bolts protruding through drilled holes, add Keps nuts. Tighten snugly.



Later production rifle mounts are drilled and tapped for an M5 x .8 threaded pin to provide a more convenient pin location for the retaining strap – included with Long Rifle mounting bracket orders.



**Feedback:** Thank you for your purchase and we welcome your feedback as we too want to make every accessory exceed your expectations. Report any comments, suggestions, problems or concerns to FMS Solutions, LLC at [info@fmsaccessories.com](mailto:info@fmsaccessories.com) .

**FMS Solutions, LLC Limited Warranty**

FMS Solutions, LLC warrants to the first retail purchaser of new FMS Accessory products, to be free from defects in materials or workmanship, for a period of three (3) years from the original date of purchase as noted on the FMS Solutions, LLC invoice or original dealer invoice, except for paint and powder-coated finishes, which are warranted for the first 12 months only. LED lights from Fenix, Inc., Code 3, Inc. and Littlite are covered for 5 years by their manufacturer's respective warranties – processed through FMS Solutions, LLC.

**This warranty extends only to the FMS accessory and does not include:** damage caused by accidents or abuse; incorrect installation; labor to diagnose, remove, repair or replace; any consequential damage or loss of use. Any FMS Accessory suspected of being defective should be returned to FMS Solutions, LLC along with a copy of proof of purchase and warranty request form available on the FMS website. FMS Solutions, LLC will determine if the FMS accessory has a warrantable defect, and if so, will repair or replace the item and return it to the sender without charge. The decision to repair or replace said item is solely the prerogative of FMS Solutions, LLC.

**Note:** Police motors can operate in a very rough environment since police motors are a "tool". They can be dropped, knocked-over, etc. without concern as the officer has a job to do and determines what is necessary at any given moment. Warranty is for defects in materials or workmanship. Therefore, the ability of an item to become broken or damaged does not mean it is warranty ... it just means it is broken or damaged and in need of repair or replacement. No manufacturer warrants their products to be indestructible. Any questions should be directed to [info@fmsaccessories.com](mailto:info@fmsaccessories.com) .