

# Installation Instructions & Use Recommendations

## FMS Accessories – Shotgun Mount V2

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. Always follow the motorcycle manufacturer's recommendations regarding load limits.**

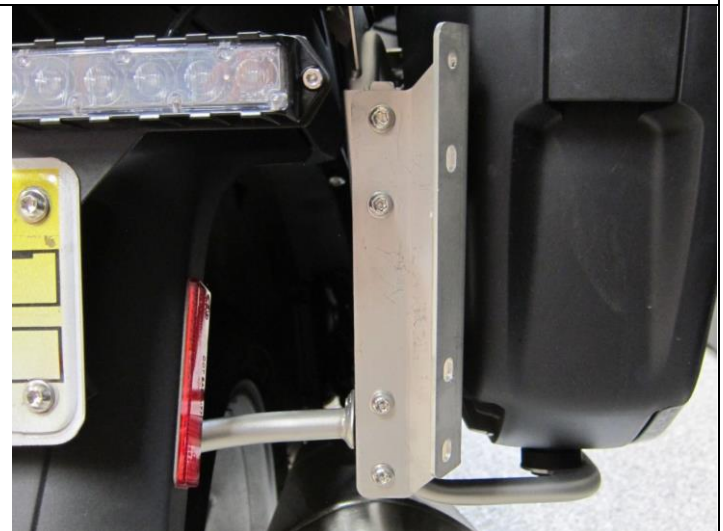


**Caution:** FMS Solutions, LLC (FMS) weapon mounts and Santa Cruz Gunlocks, LLC (SCG) are intended for temporary, secure storage of firearms. They are not substitutes for a permanent storage enclosure and only act as limited theft deterrents. And they will not prevent accidental discharge/firing of a chambered round. To properly and safely use the FMS weapon mounts with Santa Cruz gunlock:

- **Your weapon mount must be fitted / adjusted to match the weapon being mounted.** It is possible that some weapons will not fit the mount correctly, based on variable components / accessories fitted to the weapon.
- Read and follow all installation instructions!
- Do not use if your firearm does not fit the weapon mount or gunlock properly
- Never leave your firearm unsupervised while using an FMS weapon mount and/or SCG gunlock
- Never place a loaded firearm in an FMS weapon mount and/or SCG gunlock
- Never chamber a round while using a FMS weapon mount and/or SCG gunlock
- It is the responsibility of the user to operate the FMS weapon mount and/or SCG gunlock properly and safely

All shotgun mounts require the installation of the shotgun / assault rifle mounting bracket. The shotgun mount can only use the standard RH or LH bracket - separate instructions are linked on the product page.

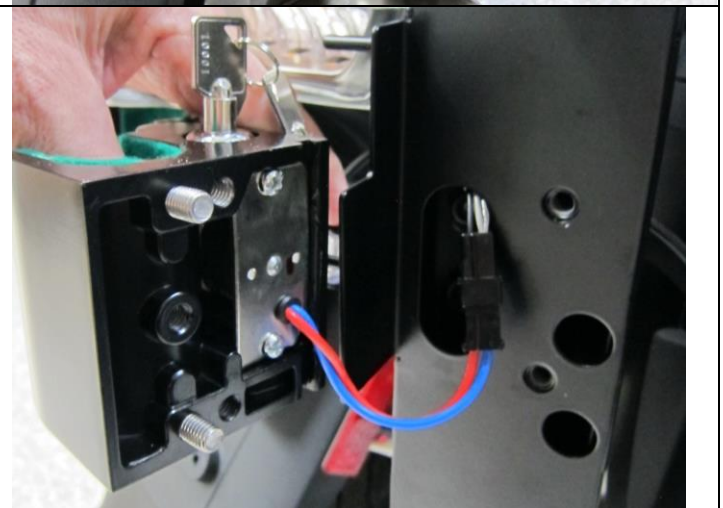
Install the M6 nut clips on the saddlebag mount and the adaptor bracket as shown. M6 Torx Security bolts are now used to secure the adaptor bracket to the saddlebag mount since they are exposed. **Important! Use red Loctite on these bolts so that they can never be removed!** The heads will strip when someone tries to remove them without first heating the nut clip to break the Loctite bond.



The gun lock and cable are provided "lightly" installed. Open the lock hasp with the round key provided to unbolt the gun lock from the mount. Unplug the cable and set the lock aside.

**Note:** Be careful not to pinch the cable under the gun lock when reinstalling.

**Note:** Each lock was manufactured with an internal shielding from Santa Cruz Gun Locks. Additional electromagnetic protection is incorporated on the shotgun mounts from FMS.

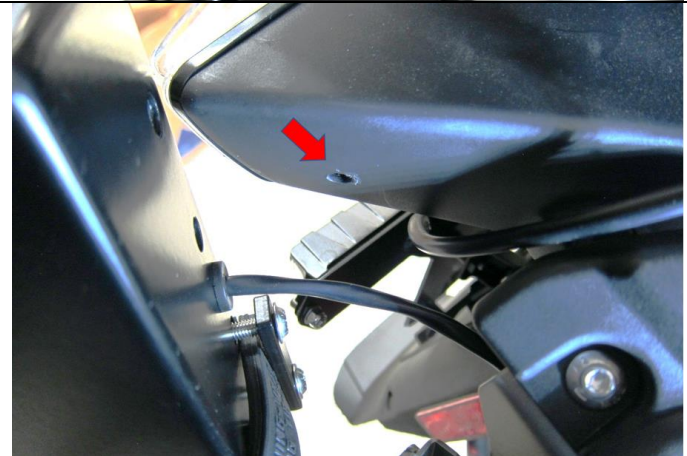




Attach the main shotgun mount body with lower support to the shotgun adapter plate. This mount with four M6 x 20 Torx bolts. Attach one upper and one lower just to hold everything in place while you connect the gun lock cable to the motorcycle. The cable is retained inside the lock with a cable tie.



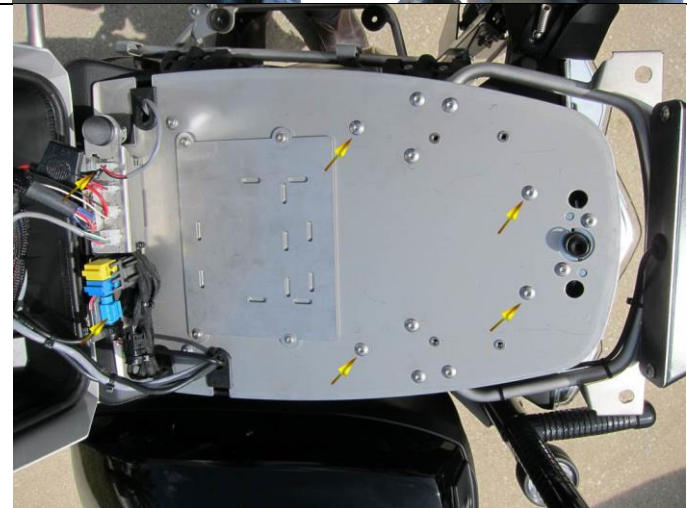
Drill a hole in turn signal housing and route the wire cable directly inside to leave no exposed wire.



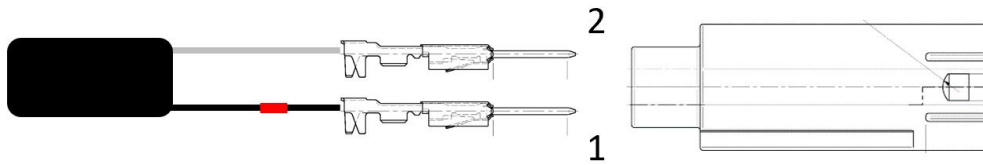
Remove the six bolts securing the radio box plate to the motorcycle frame. You do not need to remove the screws securing the lower trim panel to the radio box plate. **Note:** To remove forward screws, release the 8-pin helmet headset interface plug from the bracket to reach that screw.

Raise the rear of the plate up to gain access to the gun lock plug, placing a piece of wood between the trim and the tail light to hold the radio box plate up.

**Note:** The rear latch actuating cable may catch on the RH support when raising the assembly.

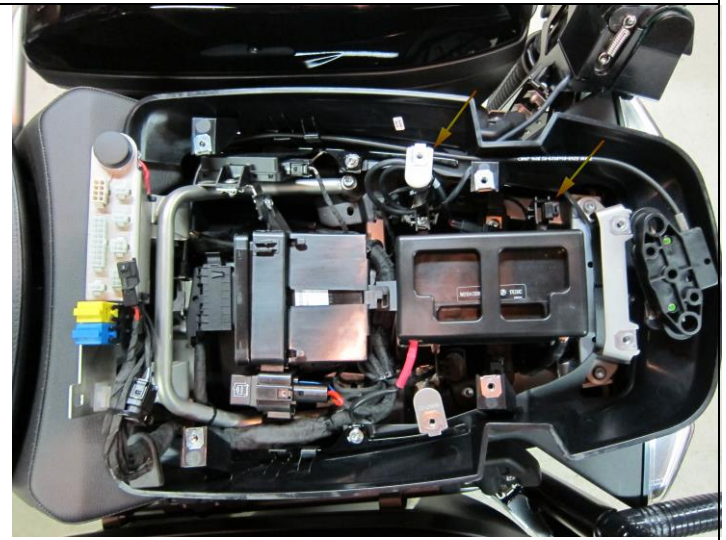


Install MQS housing on gun lock cable – the ground side goes into position 2 marked on the housing. The power side is position 1.



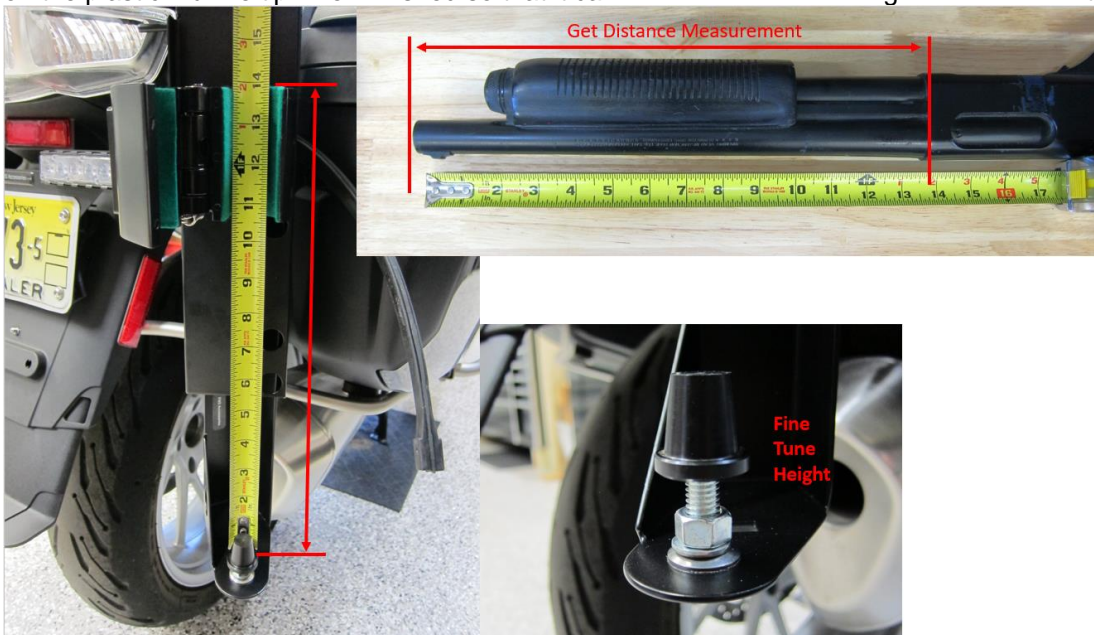
For clarity, the photo at right shows what is under the radio box lid. The right arrow shows the location of the gun lock plug prior to removal from the cable tie. Connect the gun lock cable to the plug and wrap the gun lock cable around the middle support.

**Note:** Cable tie the gun lock cable to the radio box floor plate support for added security to prevent the cable from being pulled-out at the gun lock.



For most builds, the shotgun is not available at the time of installation. Request the measurement below from the agency. You need to know the distance from the muzzle tip to the front edge of the receiver to be able to adjust the lower support leg correctly. If possible, have the agency stop by with a shotgun to test that it is adjust properly prior to delivery.

The lower support has segmented openings to enable just about any height adjustment. However, you may need to drill 6mm holes in one or more segments to secure all four clamping positions (you want to secure all four). You can also fine-tune the lower support height by adding washers between the muzzle support and nut below. Use Loctite on the plastic muzzle tip when finished so that it can't vibrate off when riding without the shotgun in place.





A rubber strap is provided to keep the weapon from vibrating in the mount as well as provide an added level of security. Two positions are available based on the shotgun and folding stock type.

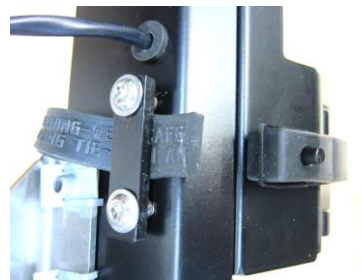
**Note:** It is easier to make this adjustment with a T30 mini-ratchet.

Adjust the rubber strap to the desired tension based on the folding stock design of the weapon, tighten the two M6 bolts securing the strap and cut off the excess with a razor knife.

**Ensure that the gun lock hasp closes completely with zero upward pressure from the shotgun!**

The electro-magnetic lock retracts a plunger inside the hinge of the lock hasp. If the shotgun is causing upward pressure that loads the hasp, the electro magnet cannot exert enough force to retract the plunger and the lock will not reliably open!

**Lock Failure Will Occur if the gun lock hasp is "loaded" by pressure from the shotgun.**



The gun lock release is actuated by the lower (unmarked) button on the RH "donut" switch cluster. The switch is active anytime the ignition is "ON" and for 30 seconds after ignition is turned "OFF".

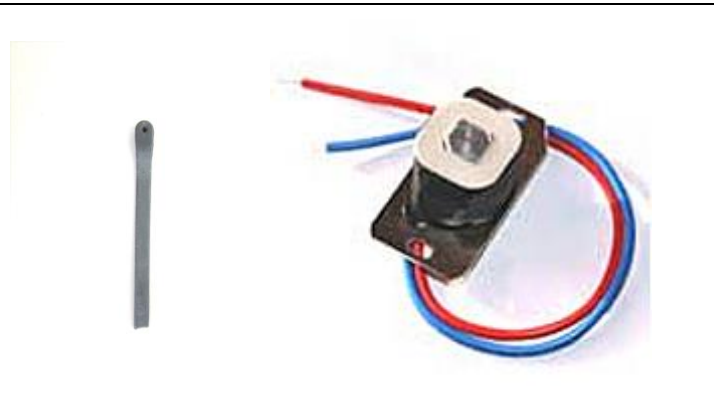
Anytime the gun lock release button is pressed, the GMSF will keep the line energized for 30 seconds (no need for a gun lock timer), providing the officer time to dismount and open the Santa Cruz gun lock securing the handle of the assault rifle mount. There is no adjustment of this energized time period.



### Spare Parts:

The Santa Cruz SC-1 gun lock is included with the assault rifle mount or shotgun mount system. The only part that can fail on the lock is the electromagnetic locking plunger assembly. That part is available through spare parts under FMSA-GL-SCRS.

Replacement rubber straps for the vibration support can be ordered under FMSA-GL-RRS



**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) .