



MAG-FAST Installation Guide

A quick reference guide to help you through the installation process

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MAG-FAST IS A BUSINESS UNIT OF AUREUS CONSULTING, LLC

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Introduction:

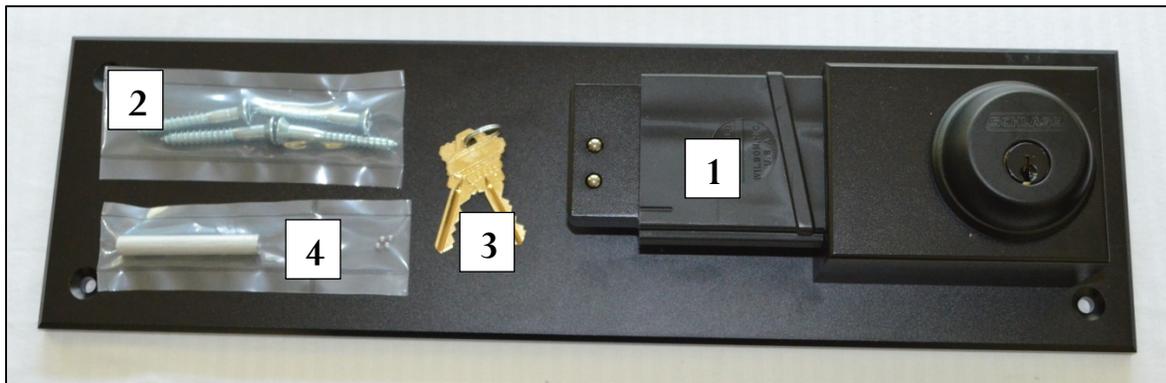
Congratulations on your purchase of a MAG-FAST[®] mount for your AR-15 pattern rifle/carbine. You now have one of the most innovative locking mounts available. Designed especially to mount an AR-15, the MAG-FAST[®] will keep your home defense or personal defense carbine safe from unauthorized use while keeping it ready in case you ever need it in a hurry.

The installation of a MAG-FAST[®] locking rifle mount is a straightforward process that can be accomplished by almost anyone who possesses basic mechanical abilities and a few key tools. Please do read all the way through the installation guide before you drill any holes. Remember that it is always easier to remove material from a wall than it is to add material, so think it through, measure twice and drill once!!

Unpacking the MAG-FAST[®]:

Please take a moment to verify that your shipping box includes the following parts:

1. MAG-FAST[®] mounting unit, fully assembled (qty: 1)
2. 2-inch long #14 mounting screws (qty: 4)
3. Keys for the MAG-FAST[®] lock (qty: 2)
4. MAG-FAST[®] Anti-tamper kit with hardened spherical locks and an installation punch (kit is optional)



If any of these parts are missing, please call us immediately and we will take care of you as soon as humanly possible.

Required Tools:

1. 1/8" diameter drill bit with a suitable drill motor. Select and install the bit so that at least 1.5 inches of the drill bit is usable.
2. #2 Phillips (cross) screwdriver - we like to use a powered driver because driving #14 screws into studs gets old VERY quickly, but a hand screwdriver will work.
3. Hammer and a MAG-FAST[®] Anti-tamper kit (optional)
4. Bubble or laser level (optional)

Site Selection:

Since you will be mounting your MAG-FAST[®] in a relatively permanent way, you should give a little thought to its placement before you start drilling holes. Some things that we have found important to consider are:

1. Structure of the wall
 - a. The MAG-FAST[®] is designed to mount onto two adjacent studs spaced on 16" centers. This is the typical residential wall structure of a wood framed house in the US, but you should verify that your walls use this type of construction. Please refer to *Figure 1* in the Appendix to see a representation of the internal structure of a typical residential wall. It is perfectly acceptable to mount the MAG-FAST[®] in other types of wall, but you should be aware that while the MAG-FAST[®] will protect your AR from being fired while secured, it cannot prevent theft of the firearm if the MAG-FAST[®] is not secured solidly.
 - b. On rare occasions, the location of the studs in some walls do not allow for the placement of a MAG-FAST[®] in an acceptable location. In this case, a different wall should be selected. When this does occur, it is usually on very short walls such as the end walls of a small closet.
2. Ease of access to your AR-15
3. Visibility to unauthorized people
 - a. Even the strongest safes are vulnerable to attacks by motivated thieves. A MAG-FAST[®] will add a layer of security for your AR-15, but a determined thief with sufficient time and tools will be able to defeat it eventually. If security is a priority, the best approach is to prevent people from knowing what you have that is worth stealing. Mounting your AR-15 on a MAG-FAST[®] in the den might be a great way to display your AR-15, but it won't be the best way to keep people from knowing that it exists. On the other hand,

mounting it in the closet of a room with limited traffic should expose it to a much smaller audience.

4. Other things that might be stored near your AR-15
 - a. Your AR-15 on a MAG-FAST[®] mount will consume roughly 2 inches of closet depth in the immediate vicinity of the rifle. This may or may not be an issue, depending on the size of your closet and the size of the other things that you store in that closet.
 - b. The MAG-FAST[®] should remain clean enough for normal closet use throughout its life of service, but if you do not take special care, your AR-15 may stain clothes that are stored in close proximity to the rifle. In no case will the manufacturer or seller of a MAG-FAST[®] be liable for staining anyone's (e.g. your spouse's) silk or other fabric! Think this one through carefully.
5. Future configurations of your rifle
 - a. If you are likely to purchase a weapon mounted light or laser at some point in the future, you should choose a mounting location that will accommodate that addition.
 - b. If you think that you would like to keep a suppressor or other barrel attachment mounted to your rifle while it is secured on the MAG-FAST[®], then you should be sure to mount the MAG-FAST[®] low enough (or high enough if the rifle is mounted muzzle down) on the wall to accommodate the extra length of any attachment you might want to add.

Re-Keying your MAG-FAST[®] Lock:

If you want to have the MAG-FAST[®] rekeyed so that your house or office key can also actuate the MAG-FAST[®], the time to do that is BEFORE mounting the MAG-FAST[®] to the wall. Re-keying can be done by most vendors of locks including many home improvement centers. The standard MAG-FAST[®] system ships with a Schlage[®] keyway, but special orders (e.g. Kwik-Set[®], Medeco[®], etc.) can be accommodated when you place your order for your MAG-FAST[®]. Be sure to lock your MAG-FAST[®] mount BEFORE removing the locking mechanism as this will make the re-assembly much easier. The simplest way to rekey your lock is to remove the lock from the MAG-FAST[®] by loosening and removing the two screws on the back of the MAG-FAST[®] that hold the lock in place. Please refer to Figure 1 in the Appendix for help locating the screws. Once those two screws are removed, the lock will simply fall off of the front of the unit and it can then be brought to the rekeying service of your choice. Alternately, rekeying kits are sold for those who like to do it themselves and

since the internals of these locks are identical to the internals of a residential deadbolt lock, the same rekeying kits can be used.

When replacing the re-keyed lock, special care should be taken to first verify that the MAG-FAST[®] is locked. Do this by checking to see that the steel balls that engage your AR-15's upper receiver are protruding from their holes in the "magazine" body. If the unit is not locked, you will need to use a medium sized bladed screw driver to turn the mechanism that mates with the lock until the MAG-FAST[®] is locked. Now that the system is in the locked position, you should verify that the lock itself is in the locked state (the key should be turned as far as it will go in the counter-clockwise direction). With this done, you can place the lock back on the MAG-FAST[®] so that the blade on the back of the lock enters its mating recess inside the MAG-FAST[®]. While holding the lock in place, carefully insert and install the two screws from the back side of the MAG-FAST[®]. Before mounting the MAG-FAST[®] to the wall, verify that the unit locks and unlocks normally. Congratulations, you have successfully re-keyed your MAG-FAST[®]. Let's move on to the installation

Mounting the MAG-FAST[®] to the wall:

If you have access to a second set of hands, this is the time to make use of them. After deciding on a location for your MAG-FAST[®], hold the MAG-FAST[®] in its place with the four counter-sunk holes over their respective studs. Now is also the time to also use your bubble level if you want to make sure that your MAG-FAST[®] will be mounted level. When you are satisfied with the location of the mount, use a pencil or a pen to place a small mark on the wall in the center of each of the holes.

Set the MAG-FAST[®] down for a minute and use your drill to put 1/8" diameter holes through the sheetrock and into the studs. You should drill at least 1 inch deep and no deeper than 1.25" into your wall.

CAUTION: You are drilling into a stud that you cannot see into. If your drill encounters anything that feels like metal STOP DRILLING IMMEDIATELY as it is likely that you have found a plate protecting a utility line (electrical or water) that is penetrating the stud at that point. If you are mounting the MAG-FAST[®] on a wall that has electrical outlets or switches on either side of it, you should be particularly careful, but utilities can be (and have been) run through almost any wall of almost any room. If you are not confident that you can proceed safely, you should consult with a contractor and have the contractor mount your MAG-FAST[®] rifle mount.

Verify that the holes in the wall line up with the holes in the MAG-FAST[®] base plate. We have found that rubbing the screw threads across a bar of wax or soap will make them MUCH easier to drive all the way into the studs. After soaping the screws (or ignoring our advice) you should put the MAG-FAST[®] into position and start all four screws before going back and tightening them into the studs.

If the purpose of the MAG-FAST[®] is only to prevent unauthorized access to your AR-15 and not to help prevent the rifle's theft, then you might consider the installation to be complete. You should be aware, however, that your other family members may not consider the installation to be complete until you vacuum up the sheetrock dust from the floor! You need to figure that out for yourself.

If, however, you would like to add another layer of security to your installation, then you should continue on to the next section which describes one method to prevent a thief from simply unscrewing your MAG-FAST[®] from the wall and leaving with your AR-15 and your MAG-FAST[®].

Securing the Installation:

Do not continue with this step until you are 100% satisfied with the location of your MAG-FAST[®]. Although there are many ways to prevent a screw from being removed with a screwdriver, we recommend the following method because it maintains a clean and professional look to the installation while also being more secure than most other methods.

Using the punch from the MAG-FAST[®] Anti-tamper kit and a hammer, place one of the hardened steel balls from the Anti-tamper kit in the center of the Phillips screw head on one of the screws and drive the sphere into the head until it is flush with the surface of the screw head. Repeat this for the other three screws. These hardened steel spheres will prevent anyone from using a screwdriver to remove the screws and will even make it very difficult to use a drill to remove the entire head of the screw. While this method is not completely tamper and theft proof, it will make it very difficult for a thief to remove the screws that are holding your MAG-FAST[®] to the wall.

CONGRATULATIONS! Your MAG-FAST[®] lockable rifle mount is ready to use!

Appendix A:



FIGURE 2: STRUCTURE OF A TYPICAL RESIDENTIAL WOOD-FRAMED WALL IN THE U.S.

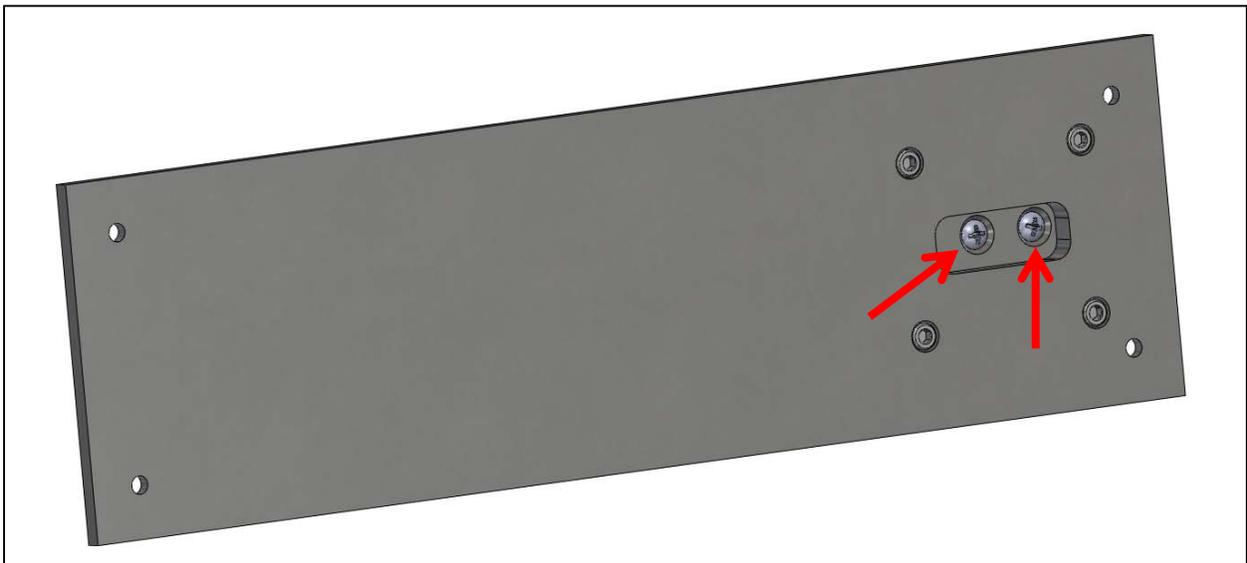


FIGURE 3: LOCATION OF THE SCREWS THAT SECURE THE LOCK MECHANISM