

Tactical Walls

1242 RLS & 825 PLS INSTALLATION INSTRUCTIONS

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Please visit us at tacticalwalls.com for more information, tips, tricks, and videos.

***THOROUGHLY READ ALL INFORMATION BEFORE YOU BEGIN YOUR TACTICAL WALL SHELF INSTALLATION.**

Installing a Tactical Walls shelf can be a very simple project but there are several factors that you need to understand. Our shelves have been designed to work with standard pine 2x4 construction that was 16" on center. Does this mean that our shelves will not work otherwise? No, not necessarily. However, the installation process for any other type of wall will require other instructions and likely other processes as well. Because they were designed around the 16" on center pine 2x4 framed walls that is the only process that our instructions will cover. Installing the shelves on any other type of wall is done at your own risk. Tactical Walls does not advise you to attempt installing your shelf onto any other type of wall.

Walls can be a mystery. Anytime you are doing work or attaching something to a wall it is wise to have a solid grasp of what lies beneath the surface of your walls. If you are not comfortable with the task of hanging a shelf on your wall perhaps it would be wise to hire a licensed, bonded, and insured contractor to install the shelf on the wall for you. There are many factors that you should consider prior to beginning your shelf installation. SAFETY is the first and top priority.

As a customer of Tactical Walls it is a fairly safe assumption that you are a gun owner. As a gun owner Tactical Walls sincerely hopes that you have a great grasp of the concept of SAFETY FIRST. The installation of our shelves requires several steps and we highly recommend that you have a friend help you with the installation. This is very important as the size and moving parts of the shelves can make the installation very cumbersome and potentially dangerous for a single person to accomplish by themselves. So please, we urge you to get some help. Secondly, proper tools that are in good serviceable condition are a must. Please use your tools in a manner consistent with the manufacturers intended use. Using proper tools can make the installation quick, simple, and enjoyable. But most importantly, SAFE. So do yourself a favor and use the proper tools.

CAUTION!! Failure to follow and comply with these instructions could result in INJURY or even DEATH!

**Tools that should be considered for a safe proper installation:*

Stud finder

Tape measure

Pencil

Level

Drill

Electric screw driver

Safety glasses

Don't forget a friend. We cannot stress this enough. The shelf is too awkward and heavy to safely attempt to install alone.

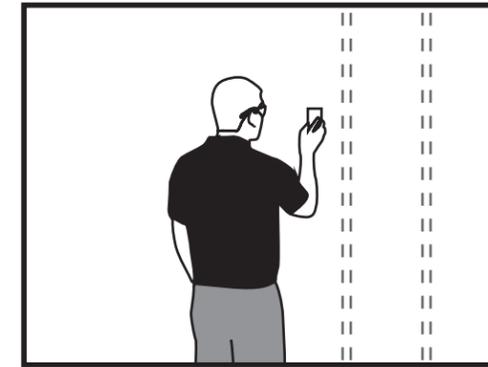
Step 1.

Get your tools to complete your installation. Including a friend.

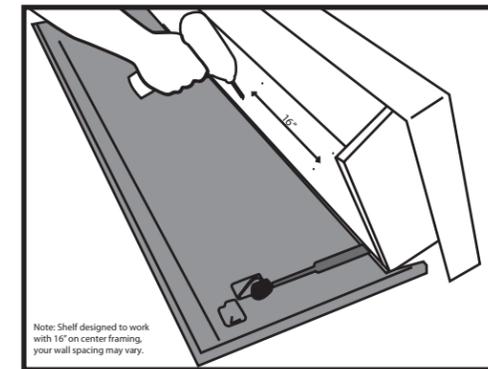
Step 2.

Confirm your desired wall has adequate support by finding the studs with the stud finder. Also, remove foam insert until later instruction.

See Figure 1



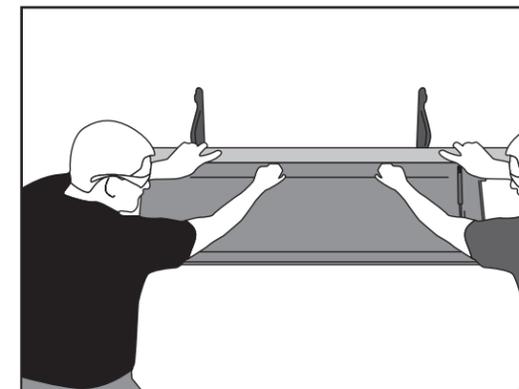
Mark your stud locations and transfer those measurements onto your shelf. Drill pilot holes through shelf in marked locations. We recommend using a 1/8" or 3/16" bit for the pilot hole. A hole too big will allow the screw to pull right through the back of the shelf. That would be bad. And unnecessary. Please use the proper drill bit. See Figure 2



Depending on your wall you should be able to locate at least two studs to anchor your shelf into for maximum strength. Some walls may even allow for three studs to be anchored into. If that is the case with your shelf GREAT! If you can only find two studs, use the supplied self-drilling wall anchors for supplemental support. Under NO circumstances should you attempt to use only wall anchors to support the weight of the shelf. The shelf MUST use at LEAST (2) pine 2x4 studs and the shelf bracket's to fully support the finished loaded weight. (More on that later)

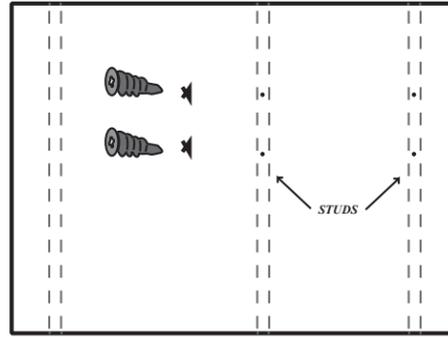
Step 3.

With the help of a friend, and using a level and your original measurements hold the shelf in its desired location and transfer the pilot hole locations to the wall. You should be using a minimum of two studs for this step. Each stud receiving (4) screw locations. Two internally, and the other two in the brackets on top. For now only focus on marking the internal locations. Mark the six internal screw holes making sure to leave adequate space between them in the stud. Roughly 3" inches should do. Also at this point mark the two hole locations for the wall anchors. Make sure to hold your shelf nice and level for this step or your final installation will be crooked. See Figure 3



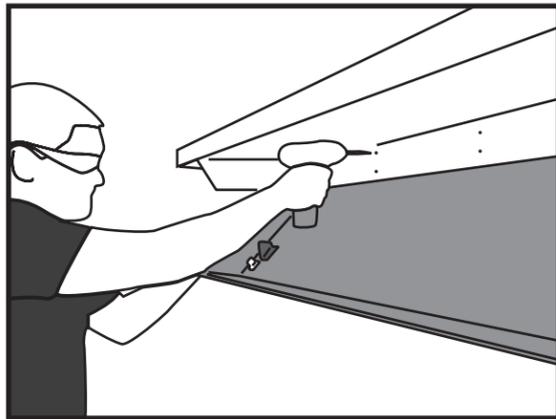
Step 4.

With the wall marked for level shelf installation, install the self drilling wall anchors in their holes to support the two holes that do not fall on studs. See Figure 4



Step 5.

With the help of a friend, hold the shelf into its' mounting location. Line up the holes in the shelf with the marks in your wall and your wall anchors, and install the six long wood screws into the wall. Four into two different studs, and two into the wall anchors. See Figure 5



Step 6.

Installing the shelf brackets to the TOP of your shelf. Please do not install them to the bottom where shelf brackets traditionally go because if you do you will NOT be able to open your shelf when done and you will feel silly.

At this point your shelf is attach to the wall but it is not ready for any weight. **Please DO NOT ADD ANY WEIGHT until you have firmly mounted and anchored your brackets into the top.** Have your friend help you support the weight of the shelf until you can get the brackets tightly mounted to the desired location on your wall. As some walls may vary you may or may not be able to utalize the two studs for your brackets. However, we highly recommend you use at least 1 stud if at all possible. We have only supplied (4) self tapping wall anchors. Two are to be used in conjunction with two screws inside the shelf the other two are to be used with the wall bracket. Again, if you can, use two studs. Otherwise, use one stud, and the two wall anchors for the other location. Do not add weight to your shelf either inside, or on top, until both brackets are fully installed.

Mark and install the brackets to the wall first. See Figure 6

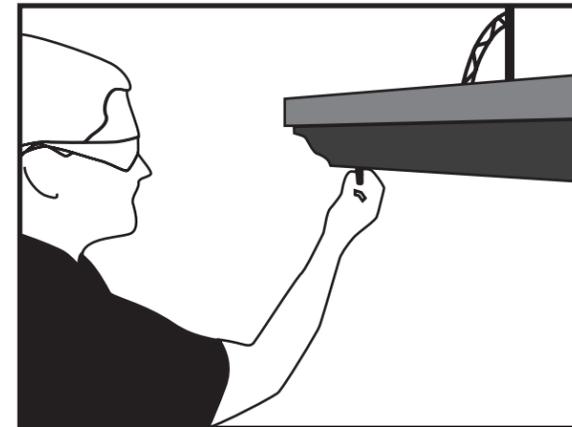


Insert screws into the TOP of the shelf with supplied 5/8" screws. See Figure 7



Step 7.

Unlocking your shelf. Use your magnetic key to locate and unlock the bottom of the shelf. Do this while the shelf is open so you can see what is going on. You may even want to make two small marks on the bottom of the shelf if it helps you to locate the pickup. It will take a little practice to find the location of the magnetic pick up but you will find it. Make sure you aren't inadvertently trying to unlock the gas strut mount as it is pretty close to the actual lock pickup. Once the location of the lock pickup is located, the magnet will hold itself in place. However the shelf will not full disengage the locks until you release the pressure on the locks by lifting the shelf slightly upward with a simple squeeze of your hands. Once you hear the audible clicks of the locks disengaging you can slowly open the shelf allowing the gas struts to lower the shelf to its resting stop. See Figure 8



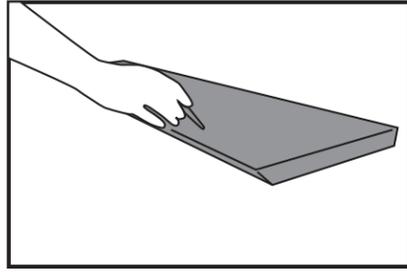
Step 8.

Accessory Placement:

Lay your foam insert onto the floor with the beveled edge facing you and down, this will fit against the sloped front interior wall of the shelf floor. With your foam on the floor begin placing your items as you would like to have them situated inside your shelf. Please keep in mind the weight and size of your items. You only have 3 1/2" of interior height inside the shelf to work with. Weight is also a factor. The shelf floor is only designed to hold a single rifle, pistol, flashlight, and a few extra magazines; you may also be able to fit a small first aid kit, or some other small item. We do not recommend you exceed 20 pounds of gear inside the 1242 RLS or 10 pounds inside the 825 PLS.

In addition, the foam is adhesive backed, the more foam and adhesive backing you remove the less bonding action is taking place. Keep that in mind when you put your gear cavity(s). Do not cut too many cavity(s) or place them too close together if cutting all the way through the adhesive backing. With those considerations in mind you can begin to layout your gear. When tracing, mark your items for a snug pressure fit. Take care to make nice clean lines in your tracing. Sloppy tracing makes for sloppy cutting and sloppy fit. If you make it a little small on

this step you can always remove a little foam later to make it bigger. If you make it too big now, you can't put the foam back on. Try to leave at LEAST an inch of foam between every component, And inch and a half would be even better. See Figure 9



Step 9.

Begin cutting your foam insert along your trace lines. A new sharp blade will work best. Do not do this on your table or furniture. We are not responsible for any damage you may inflict on your home or yourself for using poor techniques in the wrong locations. Perhaps your garage or shop floor would be a better choice. Or several layers of cardboard could be used to cut on your floor without destroying your floor or carpet. Your gear will dictate how deep to cut your foam. For instance, you should not need to cut the whole way through for a hand gun, whereas you may want to for a rifle. It all depends on the gear you have. We recommend trying to have your items at least 3/4 of the way into the foam. Also, by not cutting the whole way through you will retain the foams integrity and adhesive properties. Test fit as you go so you know if you need to make the pockets deeper or wider. Make sure your firearm is unloaded and the chamber is empty if you are going to check fit. In addition, we implore you to store ALL firearms with an empty chamber. See Figure 10



Step 10.

Practice installing your foam into the shelf to get the best technique. The adhesive backing is quite sticky and once you peel the backing you want to be able to place it smoothly in one fluid motion. Once your confident in your technique, peel the backing and install the foam with the angled edge in the proper orientation. See Figure 11



Final Thoughts and Considerations:

The shelf's primary function is to allow quick access to your tools to defend your home. Keep the keys handy and practice opening your shelf in various light conditions to achieve a great proficiency with it. When installing or removing any firearm avoid placing your finger anywhere near the trigger and trigger guard, and NEVER store your firearms with a round in the chamber. The shelf is also a decoration, but please DO NOT overload it; neither inside, or on the top. It was not designed to hold a set of encyclopedias. A few basic trinkets and decorations should do just fine., which is just enough to pass as a normal decorative shelf.

We DO NOT recommend you exceed a maximum loaded weight of 40 lb for the 1242 RLS/ 20 lb for the 825 PLS. And no more than 20 lbs for interior weights of the 1242 RLS or 10 lbs for the 825 PLS.

We appreciate and love seeing our customer installs!

Take a picture and send it to us for our "Show Us Yours" website page. Thank you for your purchase and enjoy your Tactical Walls product!