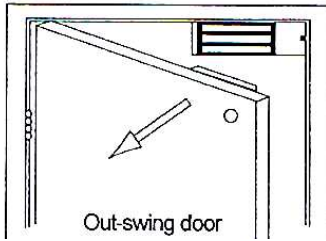


Magnetic Lock mounting on a door that swings *outward* when exiting laser area.



The entire assembly is mounted on the upper door jamb on the opposite side of the hinges. This provides the best mechanical advantage for the 400# magnetic force. Magnetic locks should always be mounted *INSIDE* the area that is being protected.

Step 1: Decide if you want to mount the maglock with the wire exposed (figure 1) or if you want it to enter the door jamb (figure 2). The same mounting bracket can be used for either situation. Most users choose the exposed wiring method and route the cable in a surface track to the maglock interface box.

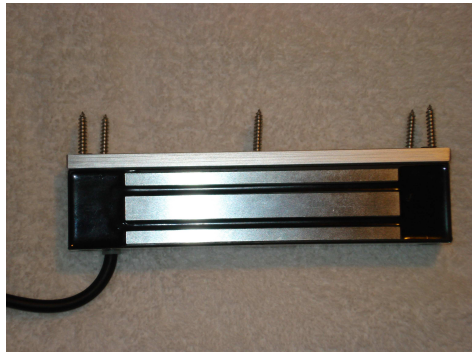


Figure 1

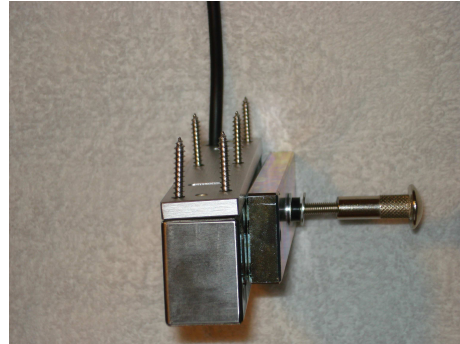


Figure 2

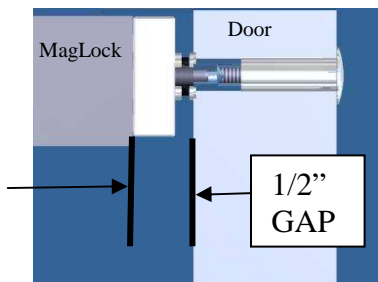


Figure 3

Step 2: Close the door and determine the proper mounting position for the maglock. The face of the magnetic lock must be positioned 1/2" behind the fully closed door as shown in figure 3. A template is included in the parts box. This template should be folded at the dotted line and placed against the closed door. The template will allow transfer of all drill centerpoints for the door armature plate and door jamb maglock mounting plate.

Step 3: Drill 1/16" pilot holes into the upper door jamb for the mounting screws and mount the magnetic lock with its face toward the door.

Step 4: The door should be drilled according to the marks on the template. Drill the center hole completely through the door using a size T (.358") drill. Use a 1/4" drill to create pockets 1/2" deep in the door for the armature guide pins to travel freely. The guide pins prevent rotation of the armature plate.

Step 5: Use a hammer to gently tap the guide pins into the armature plate.

Step 6: The flat-head hex screw with the rubber top is placed in the armature plate. **Do not pull the rubber ring off the top of this screw. It is present to force a rapid release of the armature when the maglock is powered off.** Another rubber washer is sandwiched between metal washers as shown in figure 4. The hex screw is "snugged" into the shoulder nut using the hex tool provided. The armature plate should be free to wiggle slightly when installation is complete.

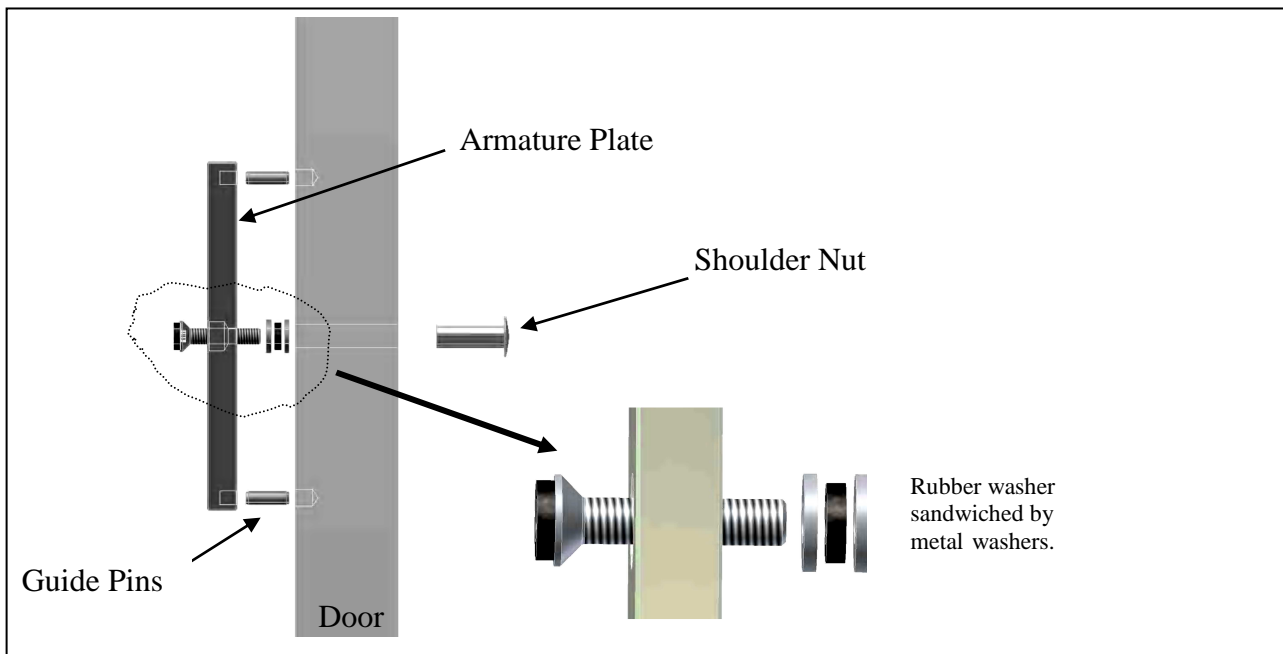


Figure 4

Final Step: Ensure proper alignment of armature plate to magnetic lock when the door is closed. The door should close completely without interference with the magnetic lock, yet the armature plate should be lightly touching the face of the magnetic lock. This gap can be adjusted slightly by tightening or loosening the armature plate screw. If an error has been made during drilling of the original maglock mounting holes, you will notice that a second set of slots is provided in this plate. You always have the option of going back and drilling mounting holes that utilize these slots. The slots will provide a fair amount of freedom in the gap adjustment.

If the armature plate screw seems loose, a thread locking compound is recommended to prevent future creep.

Note 1: Mount the armored magnetic door position sensors at least 3 inches away from the magnetic lock to prevent inadvertent cross talk.