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**INSTRUCTIONS
FOR
HIT-66-210 TEMPLATE
FOR
ALARM LOCK DL3500
MORTISE LOCK**

**WHEN USING POWER TOOLS
ALWAYS WEAR
EYE AND EAR PROTECTION!!**

THINK SAFETY!!

**WHEN USING POWER TOOLS
ALWAYS WEAR
EYE PROTECTION!!**

Before attempting any installation know how to safely use the power tools involved. Be sure all bits and cutters are sharp and in good condition and all power tools and extension cords are in good working order and properly grounded. **AND MOST IMPORTANTLY, BE SURE TO WEAR, EYE AND EAR PROTECTION.**

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Drill Bit Types



All hole saws are not created equal. A cheap hole saw from a home improvement center or one that has been dropped can be out of round and will not fit the drill bushings in our templates.



Shown above is a standard twist drill bit. They can be used on both wood or steel doors. Be sure to back out the bit when drilling to clear chips.



Shown above and at right is a brad point bit. They will produce a very clean hole in a wood door. Use at a low speed and back the bit out to clear chips. Do not use on a steel door.



Shown above is a tri-flute drill bit. Do not attempt to use this in a drill guide. The lack of bearing surface will cause the bit to jam.



Shown above is a spade or paddle type bit. Do not attempt to use this in any drill guide. There is no bearing surface and you will jam the bit.



With both clamps opened equally, install both inside and outside templates to the HIT-66 clamp as shown. Do not tighten the 10-32 screws at this time. When all screws have been loosely installed, then it is ok to tighten.



Install the alignment guide to either side of the template set. This is used to align the template with the mortise pocket.



There are two positions for the wire hole. One for fire rated doors and the other for non-fire rated. Choose the location and install the 3/4" diameter drill guide.





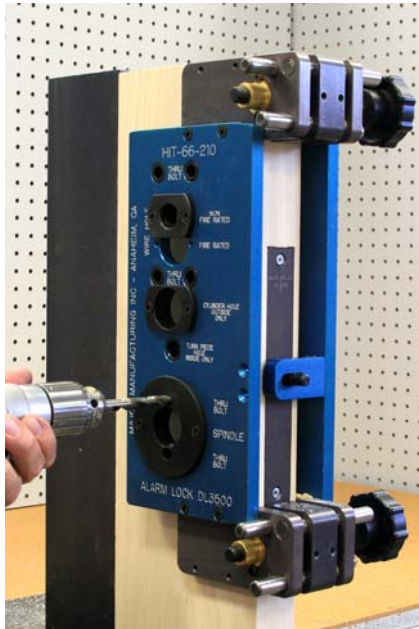
Shown is a standard mortise pocket, we will use this as a basis for the Alarm Lock Installation.



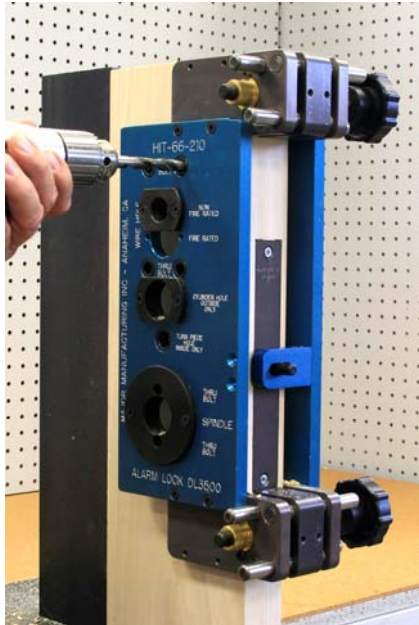
Install the mortise lock positioning plate. The plate will fit into the 1-1/4" x 8" faceplate cut out. There will be a 3/8" diameter pin centered on the plate. There is no top or bottom to worry about.



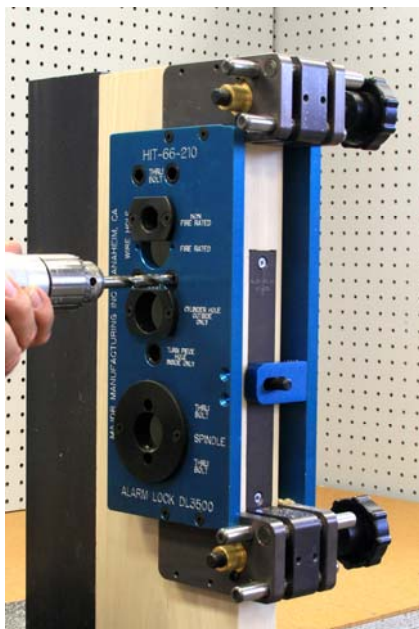
Slide the HIT-66 alignment fixture over the alignment pin and tighten to door. Alternate tightening between the top and bottom clamp. Do not attempt to tighten one clamp all the way at once.



Start by drilling all of the required 3/8" diameter holes used for the thru bolts. We are drilling the lower holes above and below the mortise lock spindle hole. These holes go to the mortise pocket. Use a standard twist drill for wood or metal doors.



Next drill the two upper thru bolt holes. Drill half way from both sides of the door

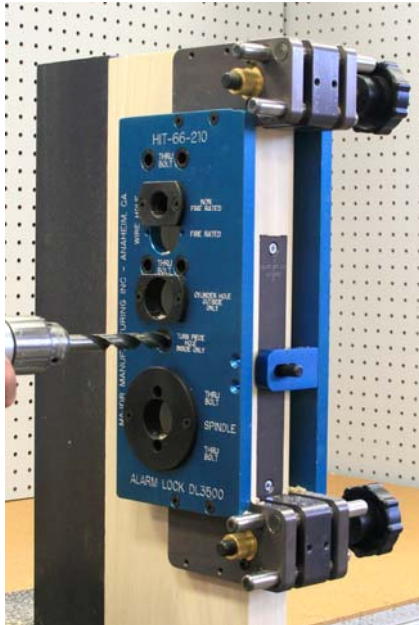


Drop down and drill the last two thru bolt holes. They are drilled to the mortise pocket on both sides of the door.





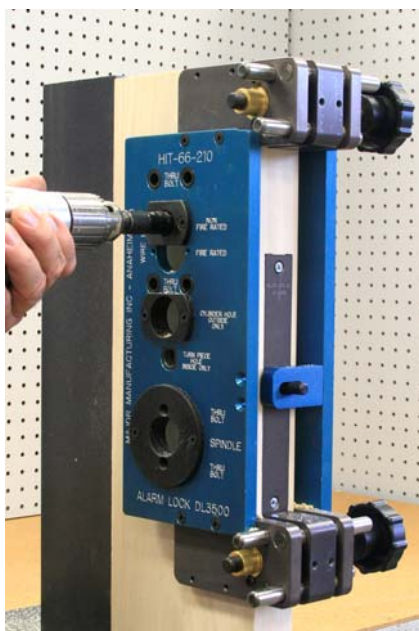
Change to a 1-1/4" hole saw and drill the lever hole. This hole goes to the mortise pocket from both sides of the door.



With the 1-1/4" hole saw still in the drill, drill the hole for the mortise cylinder. This is drilled to the mortise pocket on the outside of the door only.

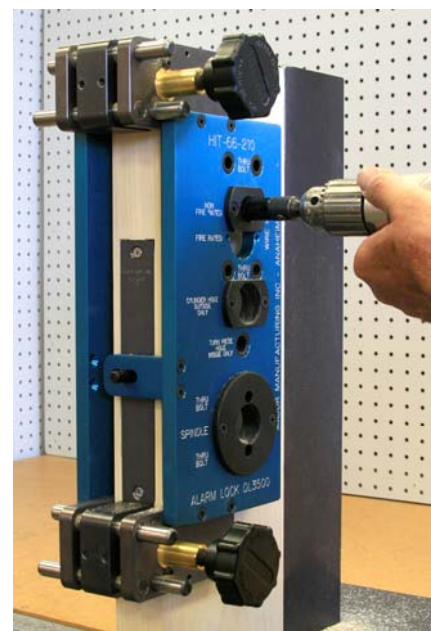


Change to a standard 1/2" twist drill bit and drill the t-turn hole. This is drilled on the inside only to the mortise pocket



With a 3/4" hole saw, drill the wire run hole. This hole goes through the door and is drilled half way from both sides of the door.

NOTE: On a wood door a 3/4" brad point drill bit may also be used.





Completed installation

That's all there is to it!

Visit our web site at www.majormfg.com for more information on lock templates and a complete listing of all the tools we have available. While there, sign up for our newsletter and we will email new product information directly to you.