



1825 VIA BURTON
ANAHEIM CA 92806
714-772-5202 / FAX 714-772-2302
EMAIL: MAIL@MAJORMFG.COM
WEB: WWW.MAJORMFG.COM

**INSTRUCTIONS
FOR
HIT-66-266 TEMPLATE
FOR
SAFLOK MT-MKO & DAJ
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.



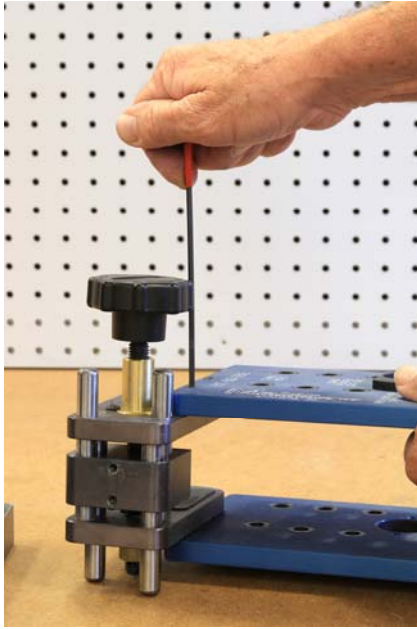
Shown above and at right is a brad point bit. They will produce a very clean hole in a wood door. Use at a low speed and back the bit out to clear chips. Do not use on a steel door.



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.



NOTE: The HIT-66 clamps shown are not part of the HIT-66-266 template set and must be purchased as a separate item.

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.



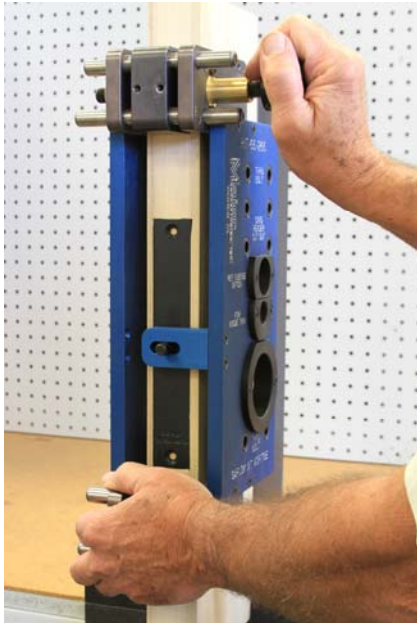
Install the alignment guide to either side of the template set. This is used to align the template with the mortise pocket.



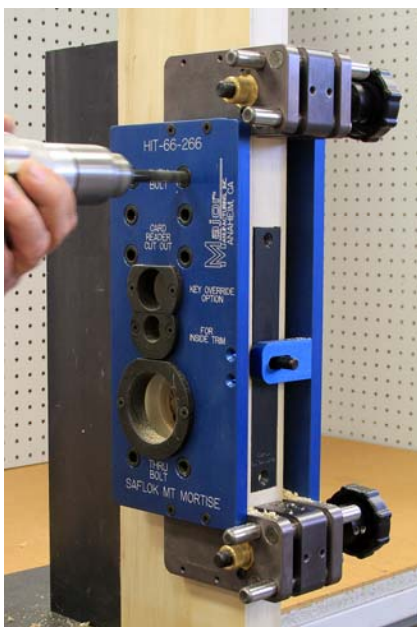
Shown is a standard mortise pocket, we will use this as a basis for the Saflok MT mortise install.



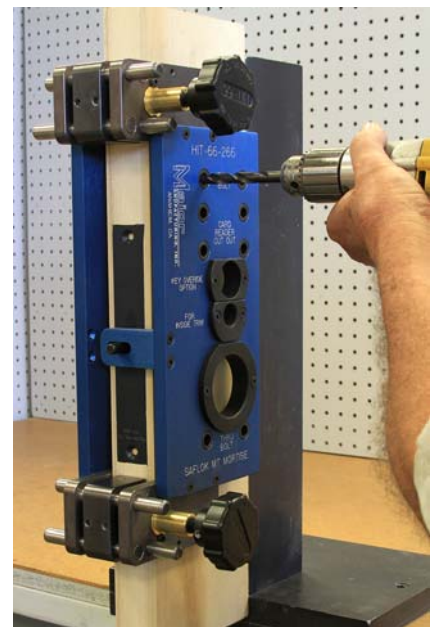
Install the mortise lock positioning plate. The plate will fit into the 1-1/4" x 8" faceplate cut out. There will be a 3/8" diameter pin centered on the plate. There is no top or

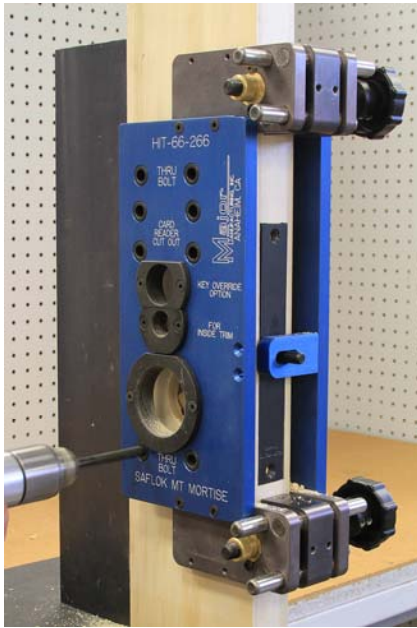


Slide the HIT-66 alignment fixture over the alignment pin and tighten to door. Alternate tightening between the top and bottom clamp. Do not attempt to tighten one clamp all the way at once.

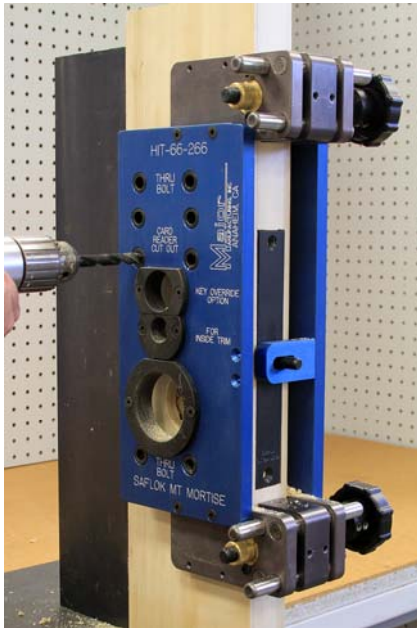
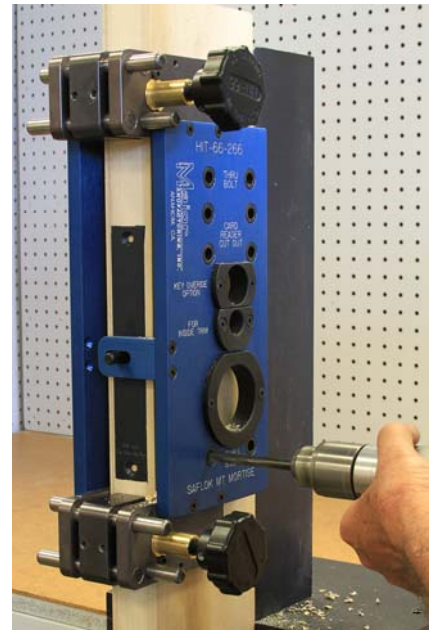


Start by drilling all of the required 3/8" diameter holes used for thru bolts, both upper and lower and the 4 3/8" holes used to locate the card reader cut out. Drill these holes half way from both sides of the door. Shown are the upper thru bolt holes.

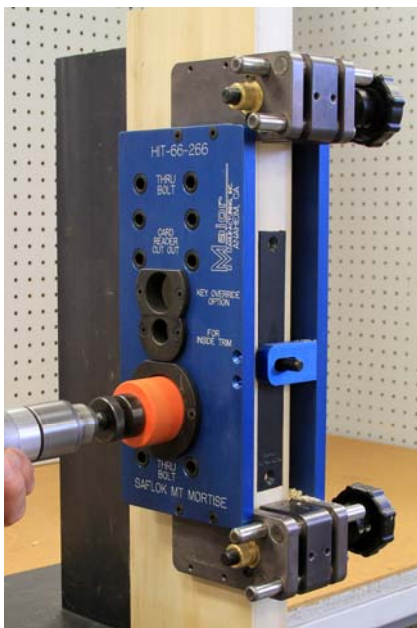
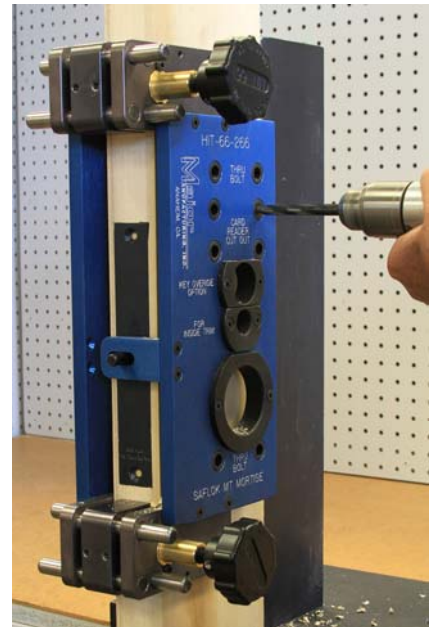




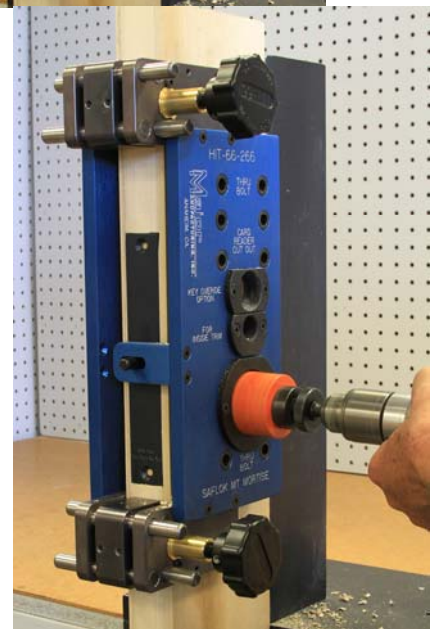
Lower thru bolt holes being drilled.



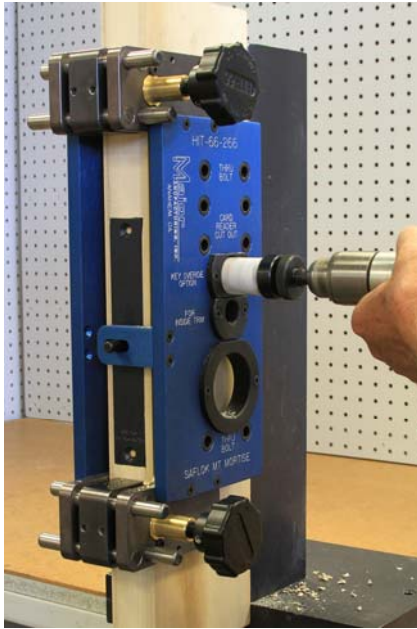
The four holes that will locate the card reader cut out being drilled. Drill half way from both sides of the door.



Drill the 2-1/8" hole for the spindle / lever assembly. Use a hole saw and drill to the mortise pocket from both sides of the door.



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If the lock being installed requires an outside key override, use a 1-1/4" hole saw and drill the optional hole.



A 3/4" hole is needed inside for the trim unit. Use a hole saw and drill this hole to the pocket on the inside only.

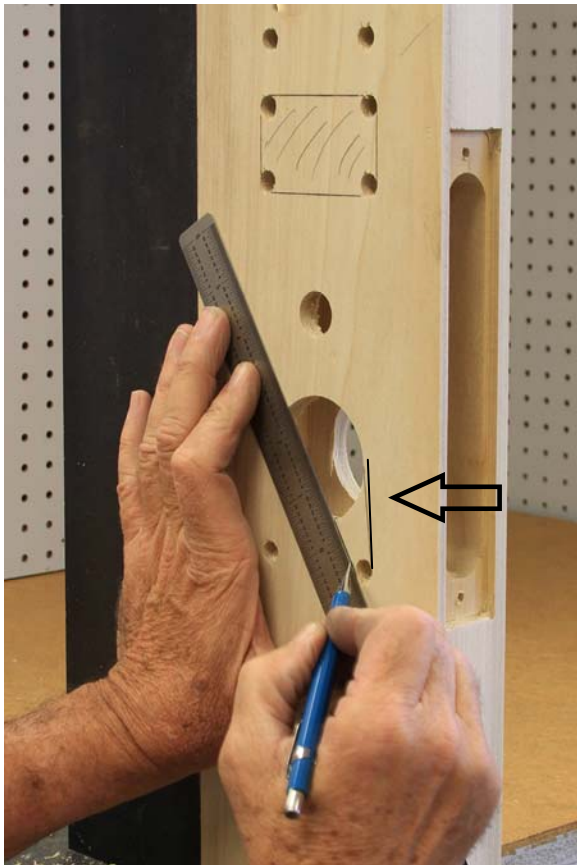
On a wood door a 3/4" brad point bit may also be used.



With all holes drilled, the clamp assembly along with the alignment plate can be removed from the door.



Use a straight edge and pencil and connect the four holes that identify the card reader cut out. Draw the lines using the outside diameter of the holes as shown.



On the inside of the door draw a line from the outside of the bottom $\frac{3}{8}$ " hole to the outside of the $2\text{-}\frac{1}{8}$ " hole as shown. See arrow.

Draw a second line from the opposite side of the $\frac{3}{8}$ " hole to the center of the $2\text{-}\frac{1}{8}$ " hole as shown. This notch will be for the wire clearance.



With a jig saw, cut out the rectangle for the card reader. Cut the bottom line first, then the two sides and the top line last.



Next, cut out the notch for the wire clearance.

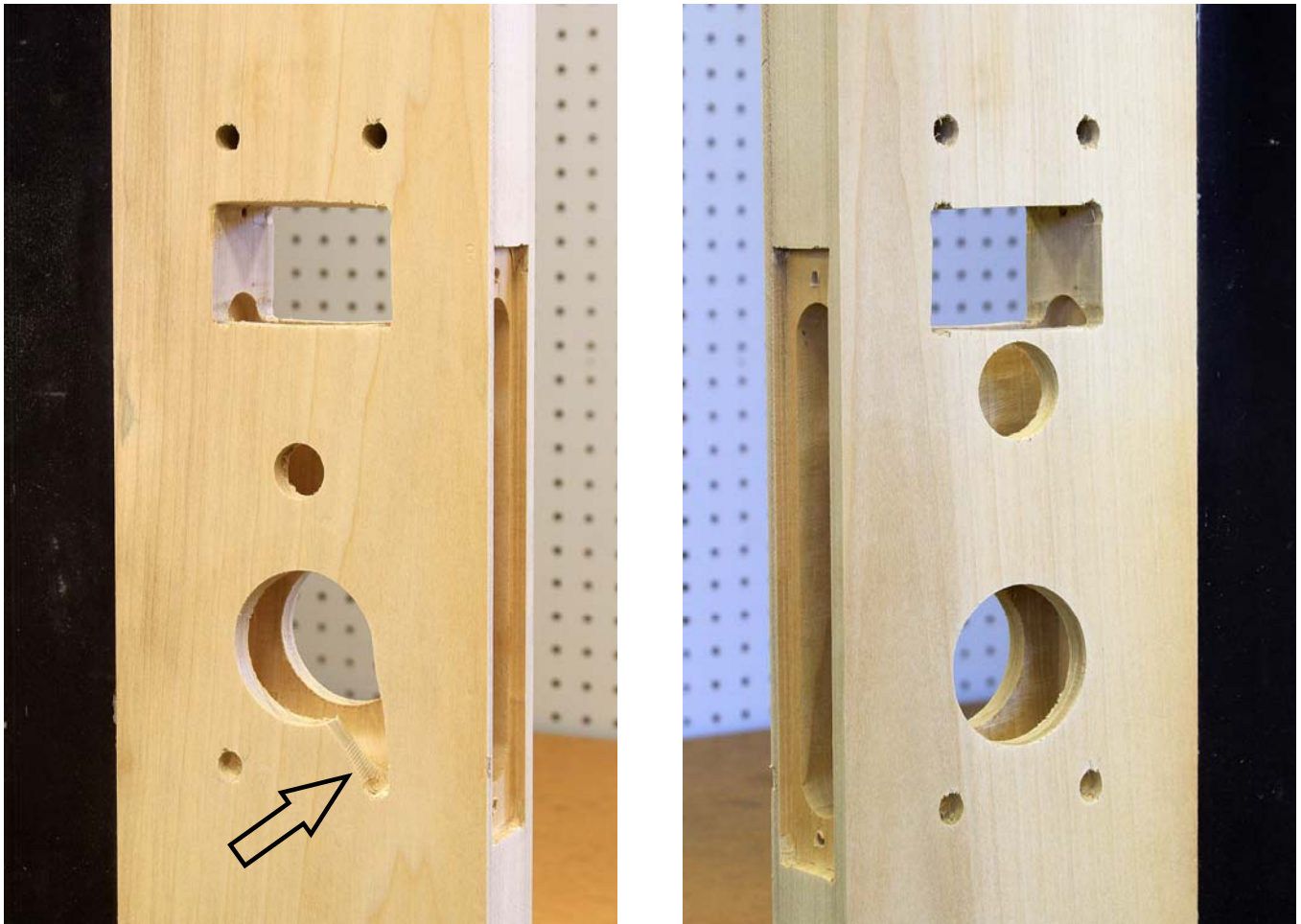
DO NOT CUT THROUGH THE DOOR, ONLY THE INSIDE TO THE MORTISE POCKET!

This can be accomplished by holding the jig saw at an angle as shown.



Clean up the cut outs with a coarse file.





Completed door prep. Note cut out for wire notch on inside.

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.