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**INSTRUCTIONS
FOR
HIT-40AR5
STRIKE TEMPLATE
FOR AR DEAD BOLT**

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

MAKE CERTAIN THAT YOU ARE USING THE CORRECT TEMPLATE FOR THE STRIKE BEING INSTALLED AND YOUR ROUTER HAS A 3/8" OUTSIDE TEMPLATE GUIDE INSTALLED IN THE BASE.

GENERAL SAFETY RULES

ALWAYS WEAR EYE AND EAR PROTECTION!!

Before attempting any installation know how to safely use the power tools involved and how they work. Be sure all bits and cutters are sharp and in good condition and all power cords and extension cords are in good working order and properly grounded.

Always make sure the router comes to a **COMPLETE STOP** before pulling it away from the template. Failure to do so may cause damage to your router template, your work or personal injury.

Always route in a **CLOCKWISE** direction. A counterclockwise direction will cause the router bit to climb in the cut and cause an unstable situation.

If you feel you have missed part of the cut, **DO NOT BACK UP!!** You will be making a clean up pass that will take care of the problem.



These are the most important tools that you will use in this installation.

Always use eye and ear protection!!



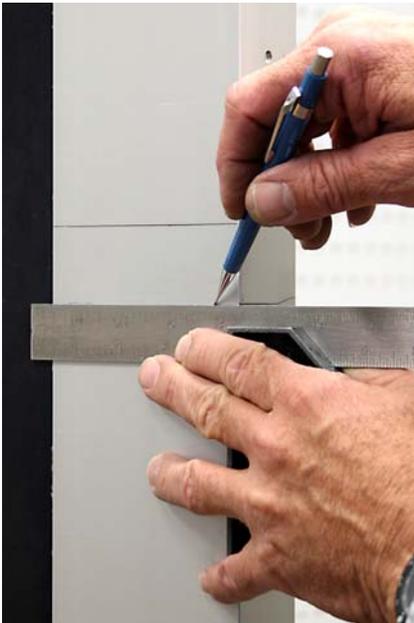
Your router needs to be equipped with a 3/8" outside diameter template guide mounted in its base. Failure to use a template guide will cause the opening being routed to be too large and will damage your HIT-40 template.

See our catalog or web site for a list of available router template guides.

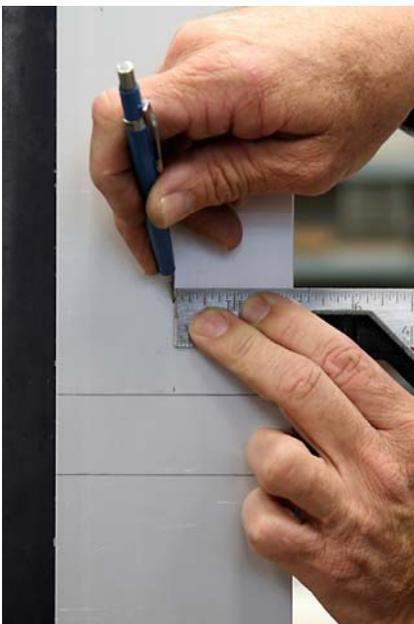
Install a 1/4" diameter aluminum router bit into the router collet and secure tightly. Adjust the router bit so it will route about 1/4" to 3/8" into the door channel.



For height alignment, throw the bolt and close the door until it makes contact with the door jamb. Use a pencil and mark the top and bottom of the bolt.



Use a combination square and transfer the lines on the front edge of the door to the side. This will show the location of the bolt when it is in the locked position.



Find the center line of the jamb. This example shows the center line on a 4" wide center hung door. The center line is 2". Use a combination square and draw a vertical line at this point. Note: The center line on an offset hung door will be half the distance from the door stop to the outside of the jamb.



Pencil lines showing the center line of the jamb and the height of the bolt when locked have been established.



We will route the strike opening with our HIT-40AR5 template. Use the alignment marks on the template to align with the pencil lines on the jamb. Attach to jamb with the supplied tek point screws and an electric drill. Make sure the template is square to the jamb prior to running the second screw in.

NOTE: It is a good idea that your drill is equipped with a clutch feature, this will prevent snapping the screw off in the jamb.



Template mounted and ready to go.



Drill a 3/8" or larger starting hole for the router bit in the center of the template hole to be routed. In the picture we are using a step drill bit.



We recommend the area to be routed be lubricated with a cutting lube. We use a product called Tapmatic Edge Cream made by the LPS Company. You can find this product at industrial hardware stores or machine shop supplies. This is also a handy product to use for other drilling or tapping chores.



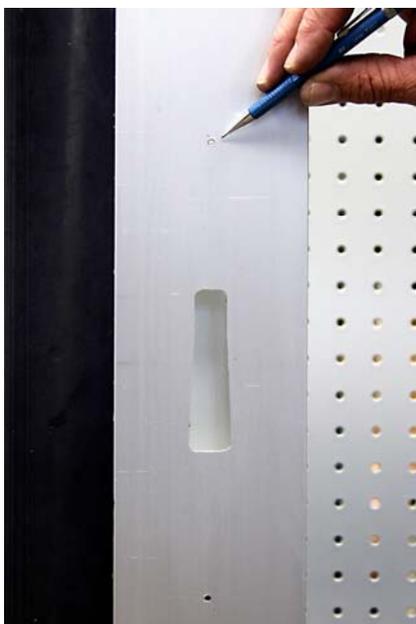
Place the router bit in the center of the starting hole.



Place the router bit in the starting hole and with firm control of the router follow the HIT-40 template and feed the router slowly in a **CLOCKWISE DIRECTION**. Make sure the base of the router is held flat on the routing template. When completed with the cut, turn the router off **and wait for the bit to come to a complete stop before removing it from the template. Failure to do so may cause damage to the door, your HIT-40 template or injury to yourself.** After making the first pass, brush away the chips and make a second clean up pass.



Clean the area of left over cutting lube and chips. Use a machinist scraper or an aluminum cutting file and deburr all of the openings.



The two small template mounting holes left by the tek screws can be left as is. Or can be drilled out to 1/8" and filled with a steel pop rivet.



Installing a pop rivet.



Finished installation showing mounting holes filled with a pop rivet.

That's all there is to it!!

Visit our web site at www.majormfg.com for more information or router recommendations, template guides and other templates to make your installations easier and faster. While there sign up for our newsletter and we will email new product information directly to you.