



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

**INSTRUCTIONS  
FOR HIT-40AR3  
ADAMS RITE 4502/4902  
SERIES LIP STRIKE  
TEMPLATE**

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

**MAKE CERTAIN THAT YOU ARE USING THE  
CORRECT TEMPLATE FOR THE HARDWARE 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, close the door until the latch makes contact with the door jamb. Use a pencil and mark the top and bottom of the latch.



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 latch when it is in the locked position.



Find the center line of the jamb. This example shows the center line on a 4" wide offset hung door. The center line is  $\frac{7}{8}$ " from the stop, or one half the thickness of the door. Use a combination square and draw a vertical line at this point.



Pencil lines showing the center line of the jamb and the height of the bolt when locked have been established. Use the alignment marks on the template to align with the pencil lines on the jamb. We will route the strike opening with our HIT-40AR3 template. Attach to jamb with the supplied tek point screws and an electric drill. 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.



Make sure the template is square to the jamb prior to running the second screw in.



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**.

Route in a line up the front portion of the jamb staying just inside the frame to complete the opening. ( If you route out the front of the frame at this point, there will be a large gap in front of the strike that will be visible. ) This area will be routed out after the bit has been adjusted to a new cutting depth.

**IMPORTANT!! DO NOT ROUTE THROUGH THE FRONT EDGE OF THE JAMB. MAKE THE VERTICLE CUT ABOUT 3/8" INSIDE THE FRONT EDGE.**

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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**



This is the area you did not cut through in the step above. Adjust the depth of the router to cut the thickness of the jamb material only, this should be a cut depth of only about 1/8 inch. Use the router to nibble away this area.

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Remove the router template , clean off the lube and de-burr the sharp edges with scraper or file.



Drill out the holes left by the tek screws to 3/16". These holes will be used to mount the factory mounting bracket.



Counter sink both holes for the 10-32 flat head mounting screws supplied by the factory.

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Factory mounting bracket being installed.



Finished installation showing strike and dust box.



That's all there is to it!!

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