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**INSTRUCTIONS
FOR
HIT-32VD9W TEMPLATE
FOR VON DUPRIN 99 RIM**

WOOD DOOR INSTALLATION

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

STOP!

**PLEASE READ ALL INSTRUCTIONS
BEFORE ATTEMPTING TO USE.**

**YOUR PLUNGE ROUTER MUST BE
EQUIPPED WITH A TEMPLATE
GUIDE PRIOR TO USE. FAILURE TO
DO SO WILL RESULT IN THE
WRONG SIZE OPENING IN THE
DOOR OR JAMB AND POSSIBLE
DAMAGE TO YOUR ROUTER
TEMPLATE.**

**WOOD DOOR TEMPLATES
REQUIRE A 5/8" OUTSIDE DIAMETER
TEMPLATE GUIDE
WITH A 1/2" DIAMETER BIT.**

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.

Be sure the router bit is installed so it will be inside and covered by the template guide when the router is fully retracted. Failure to do so will result in damage to your router template.

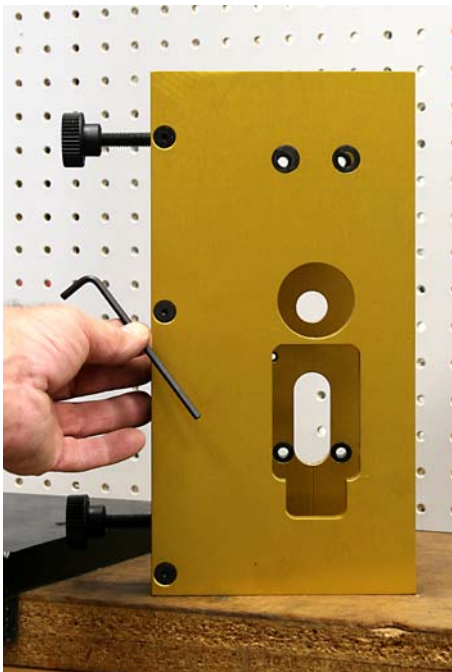
**There is no more important safety rule than
to use safety glasses and
hearing protection.**

**DO NOT ATTEMPT THIS INSTALLATION
WITH A FIXED BASE ROUTER!!
IT WILL NOT WORK.**

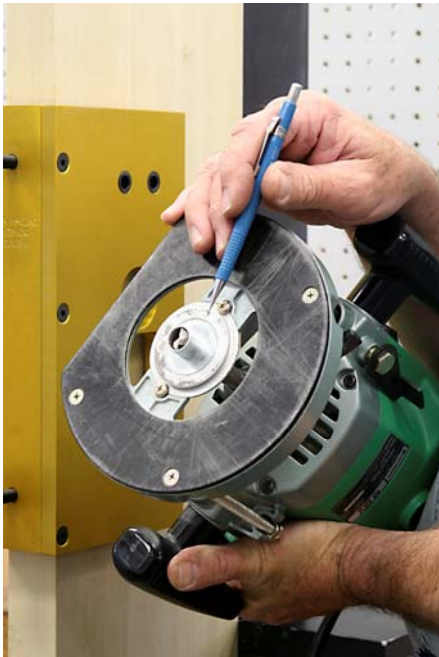


These are the most important tools that you will use in this installation.

**Always use eye and ear protection
when routing wood doors and jambs.
It is also a good idea to wear a dust
mask.**



This template is reversible for both right and left hand doors. Just move the side plates from one side to the other with the use of the supplied 5/32" hex key.



Make sure your router is equipped with the proper sized router guide and bit. This Installation requires a 5/8" outside diameter template guide with a 1/2" diameter up shear router bit. The router bit needs to be adjusted so it is inside the template guide when the router is in the top of the plunge position. (Part number for our router bit is HIT-45RB8)



Locate the horizontal center line of the door. According to Von Duprin this will be 39-13/16" to the **finished floor**. Install factory strike on the jamb side aligned on this center line.



To determine the backset, draw a vertical line along the door stop onto the door.

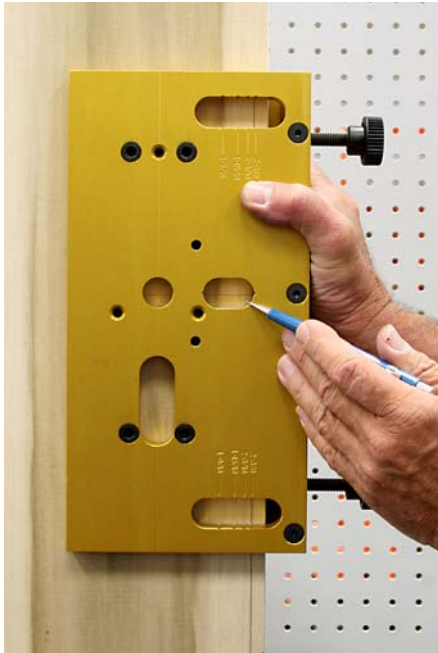


Backset lines are engraved in the template at the top and bottom at the viewing slots shown at left.

Determine the backset required for the strike that is being used and adjust the router guide with the alignment knobs. The backset that is required can be found in the Von Duprin instruction pages.



CAUTION: DO NOT ROUTE IN THIS WINDOW!!



Align the router guide to the proper height using the alignment mark shown in the window.

CAUTION: DO NOT ROUTE IN THIS WINDOW!!



Attach the guide to the door with the supplied #6 dry wall screws. The attaching holes will be on the inside of the door. Use a drill with a clutch system so you don't snap the screws off when they bottom out in the countersink. The screw holes will be covered by the head of the device after it is installed, they will not be visible.



The hole shown at the left is for the rim cylinder. Only route this hole if your panic hardware requires a cylinder. Route to a depth of 1-1/4". Do not attempt to route full depth with one pass. ***Route in small passes of no more than 1/4" at a time.***



The opening shown at the left is for the outside trim, route this opening only if your panic hardware requires it. Route to a depth of 1-9/16". Do not attempt to route full depth with one pass. ***Route in small passes of no more than 1/4" at a time.***



We are now on the inside of the door, this hole is for the rim cylinder tailpiece. Route this through to the hole on the other side.

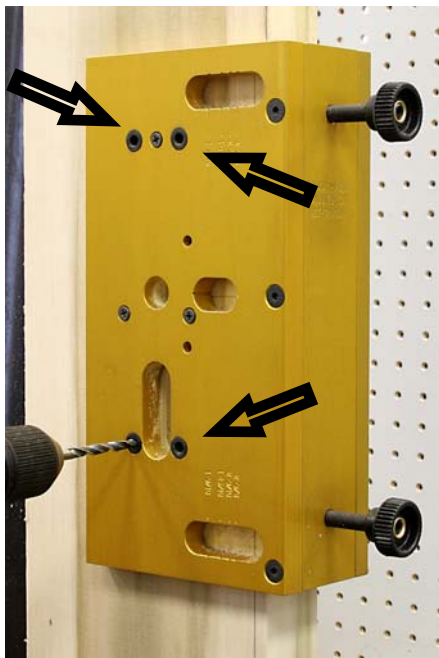




The opening shown is for the outside trim lift lever.



Route this through to the trim opening on the other side.



Four inside trim holes being drilled. Drill the two on top and two on the bottom. The top holes go through and meet the 3/8" outside post holes and the bottom go through to the outside trim cavity.

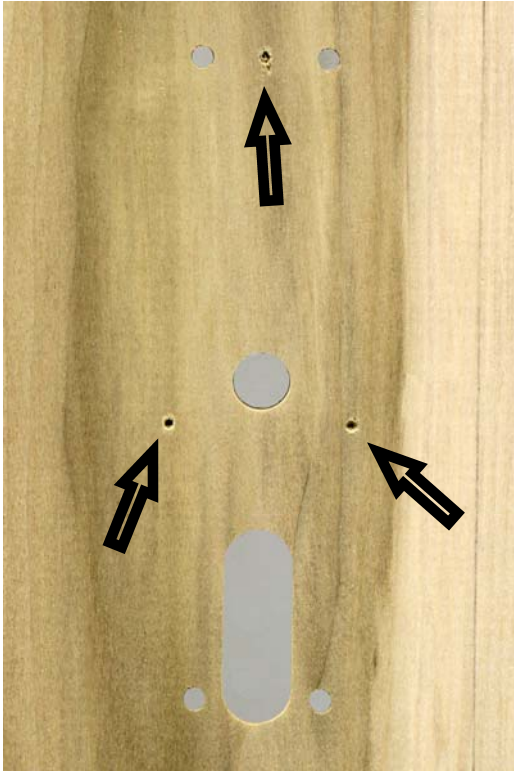


Post holes being drilled on outside of door. Drill size is 3/8" and the depth depends on the length of the post or sex bolt.

Do not drill clear through.



These drill guides are only used if installing the XP99 series device. They are drilled with a 1/8" drill bit and are used to install screws in the panic head.



Inside of completed installation.

Arrows show left over mounting screw holes that will be covered by the inside panic trim.



Outside of installation, install panic device per manufacturers instructions.