

7003 Active 3-Point Mortise Mechanism Installation Instructions and Work Sheet

1. **IMPORTANT!** Handle all hardware in a clean work area. Sawdust and other debris may cause malfunction of the mechanism and other components.
2. You will need to know measurements for the door height and the desired handle height (if any).
3. **USE THE WORK SHEET BELOW.**
 - A. In the "A" column, enter the door height and subtract your handle height. From the top, you will take off another 5.875" to leave room for the reversing top shoot bolt, IM2-150 (The reversing shoot bolt will extend its bolt in the opposite way when the connector tab is pulled on). After subtracting the 5.875", this is the length at which the face plate and inner operating rod need to be cut at, measuring from the center of the handle operating hub.
 - B. Next, enter your handle height in the "B" column. Subtract 5.875" for the TM2-150 shoot bolt. The TM2-150 is a plain forward action shoot bolt (Extends by moving the connector tab in the same direction). After subtracting 5.875", this is the length at which the face plate and inner operating rod need to be cut at, again, measuring from the center of the handle operating hub. If the measurement is longer than the standard length mechanism, attach an extension to reach. Cut top mechanism to allow for extension and desired placement of shoot bolt.
4. **CUTTING:** Cutting can be done with a hack saw or power hack saw. Prepare your mechanism for cutting by using the handle with spindle in the operating hub. Rotate the hub so that the inner rod and face plate will become flush together at the very tip of the mechanisms' face plate. This is very important for it trims the face plate and operator rod at the correct position for including the shoot bolts and proper operation of the shoot bolts. Mark and cut. Repeat the same procedure for the top and bottom of the mechanism. (See page 191)
5. **MILLING DETAIL:** Prepare door with the milling details given. (See page 190)
6. **IMPORTANT!** Clean out the mortise and channel of all sawdust and debris with a strong vacuum before inserting hardware into slot.
7. After vacuuming, insert hardware into mortise and channel.
8. The mechanism includes a profile cylinder adapter in order to use American style trim. Only remove this adapter if the trim is going to use a European profile cylinder.
9. Mark holes to be drilled. Remove hardware. After marking holes to be drilled and with the mechanism still in the door, locate cylinder screw hole on the mechanism face plate. The hole is located underneath the main dead bolt. The astragal will need a 5/16" hole drilled through to access this cylinder screw hole before the astragal is attached. This cylinder screw access hole in the astragal is needed to install the remaining hardware components on the door.
10. Drill pilot holes for the channel screws using a 1/16" drill bit.
11. **IMPORTANT!** Clean out the mortise and channel once again of all sawdust and debris with a strong vacuum. Sawdust and debris may cause malfunction of the mechanism.
12. In a clean work area, install mechanism and components into the door. Install handles, plates, and cylinder. Test and adjust. Install astragal over the 7002 Inactive 2 Point Locking Door Mechanism. Note that the main mechanism strike #467 is to be installed on top of an astragal.
13. Determine where shoot bolt strikes are to be placed. Install shoot bolt strikes. Strikes are adjustable with a hex key. Following are the strikes and corresponding hex key sizes: F10PZBE (Thimble), use 8mm or 5/16"; F10PZREL (Rectangular), use 10mm or 3/8". Test and adjust. Determine where the main mechanism strike #467 will be placed. Install main mechanism strike on jamb or on astragal. (See page 192 & 193)

PAINT & FINISH WARNING: ATTENTION HOMEOWNERS, PAINTERS AND INSTALLERS!!! If doors are to be painted, stained, varnished or finished – it is important to remove the mechanism and all it's components before doing so to prevent any contact with the mechanism or its components. Paint, stain, varnish and other chemicals that come in contact with the mechanism or any of its components may cause malfunction or damage and thus voids all warranties. If claims are submitted where warranties have become void, service call and replacement merchandise charges will apply and advance payment will be required for replacement merchandise and before service is performed.

"A"		"B"	
ENTER DOOR HEIGHT:		ENTER HANDLE HEIGHT:	
SUBTRACT HANDLE HEIGHT:	-	SUBTRACT FOR TM2-150:	- 5.875
SUB-TOTAL:		BOTTOM CUT AT:	
SUBTRACT FOR IM2-150	-5.875	PLEASE PHOTOCOPY TO USE AGAIN.	
TOP CUT AT:			

System 7003

CUT TO ADJUST AND CONNECTION PROCEDURE

