

INSTALLATION INSTRUCTIONS:

1. TO PROPERLY MOUNT SPRING HINGES, IT IS NECESSARY TO RELEASE THE TENSION ON THE SPRINGS. INSERT THE TENSION ROD INTO ONE OF THE ADJUSTMENT HOLES ON THE TENSION LUG AND TURN IT SO THAT THE TENSION PIN CAN BE EASILY REMOVED(FIG.1).
2. MOUNT THE DOOR LEAF TO THE DOOR FLANGE. THE DOOR LEAF MAY BE MORTISED OR SURFACE APPLIED AND MUST BE CENTERED BETWEEN THE AXIAL CENTERS OF THE DOUBLE ACTING HINGE.
3. ALIGN THE DOOR CENTERLINE WITH THE CENTERLINE OF THE FRAME. ATTACH THE JAMB FLANGE TO THE SURFACE OF THE DOOR CASING. SHIMS UNDER THE JAMB FLANGES MAY BE NECESSARY FOR PROPER DOOR ALIGNMENT.
4. THE HINGES SHOULD BE MOUNTED AT THE HEIGHT LOCATIONS DESIGNATED IN FIG. 2.
5. THE AXIAL CENTER OF EACH HINGE MUST ALSO BE VERTICALLY ALIGNED.

SPRING ADJUSTMENT TENSIONING INSTRUCTIONS:

1. PLACE DOOR IN THE CLOSED POSITION AND WEDGE UP FROM THE FLOOR UNTIL IT IS PLUMB.
2. INSERT TENSION ROD INTO THE ADJUSTMENT HOLES ON THE TENSION LUG AND TURN IN THE CORRECT DIRECTION(FIG. 1). TURN IT TOWARDS THE LEFT WHEN THE HINGE IS MOUNTED WITH THE TENSION LUG AT THE TOP AND TOWARDS THE RIGHT WHEN IT IS MOUNTED WITH THE TENSION LUG AT THE BOTTOM. ONE HOLE OF TENSION IS RECOMMENDED FOR THE BOTTOM HINGES. *DO NOT EXCEED FIVE HOLES OF TENSION.*
3. INSERT TENSION PIN AND REMOVE TENSION ROD.
4. INCREASE TENSION ON TOP HINGE IF THE DOOR SAGS OR RETURN ACTION IS TOO SLOW.

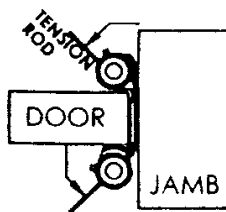
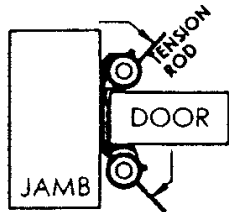
CAUTION: IMPROPER USE OR MOUNTING MAY CAUSE INJURY!

⚠ DO NOT USE ON DOORS WITH HINGE EDGE BEVELED.

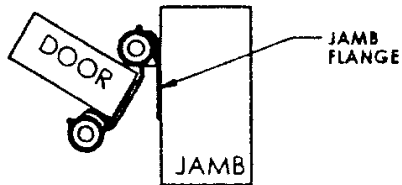
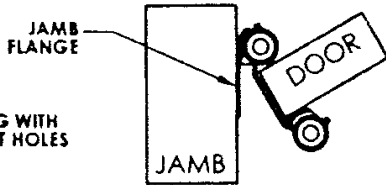
TOP VIEW
(FIG. 1)

TENSION LUG ON TOP

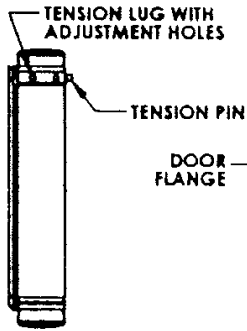
TENSION LUG ON BOTTOM



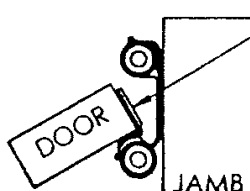
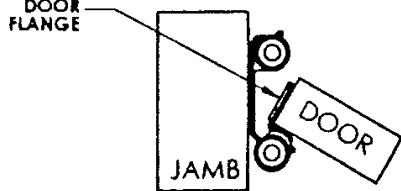
TO INCREASE TENSION, INSERT TENSION ROD AND ROTATE AS SHOWN



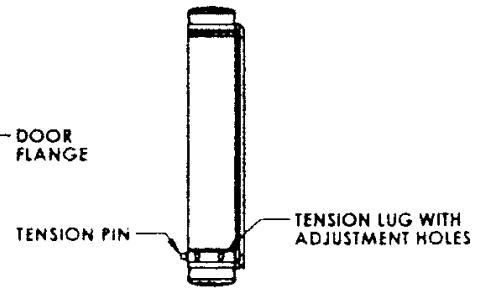
DOORS ROTATING AROUND JAMB FLANGE



DETAIL A



DOORS ROTATING AROUND DOOR FLANGE



DETAIL B

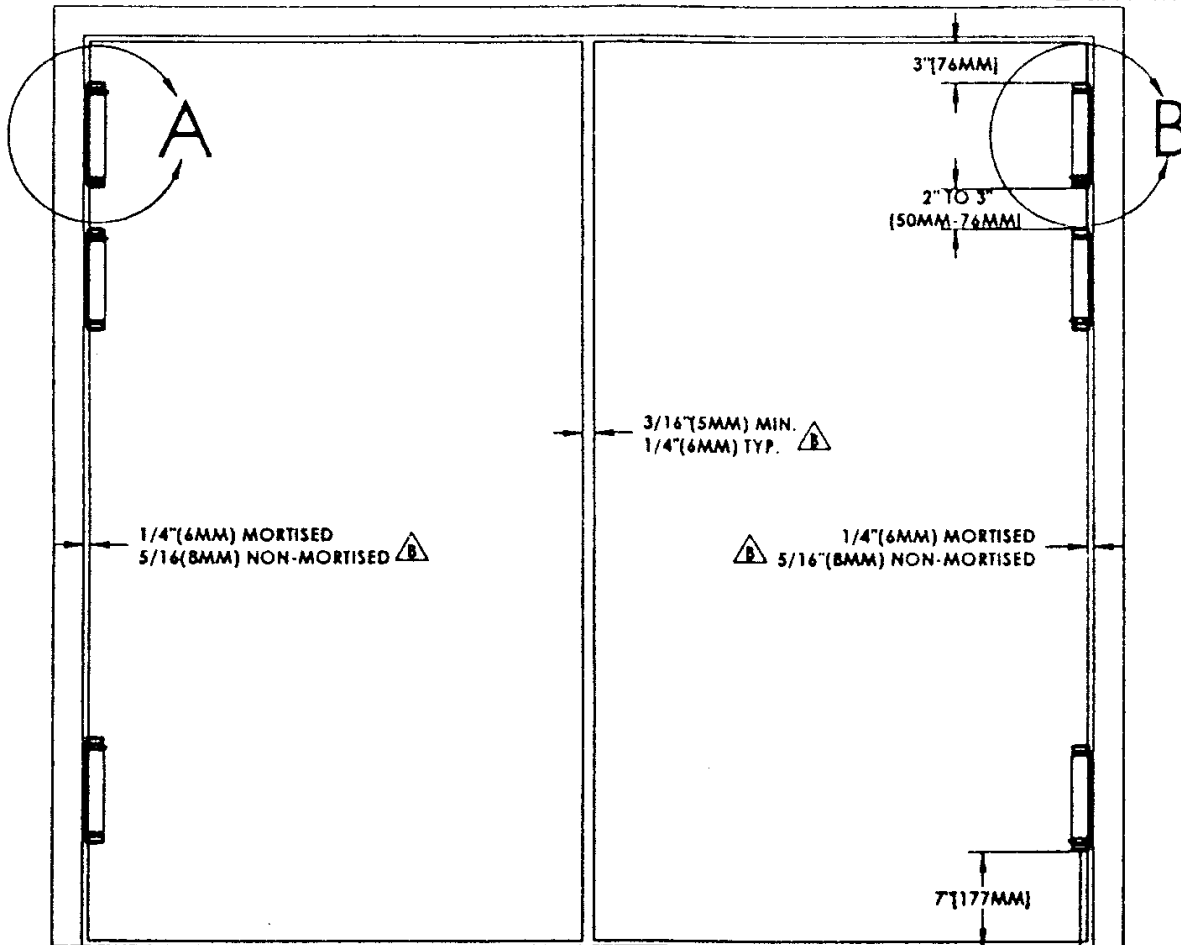
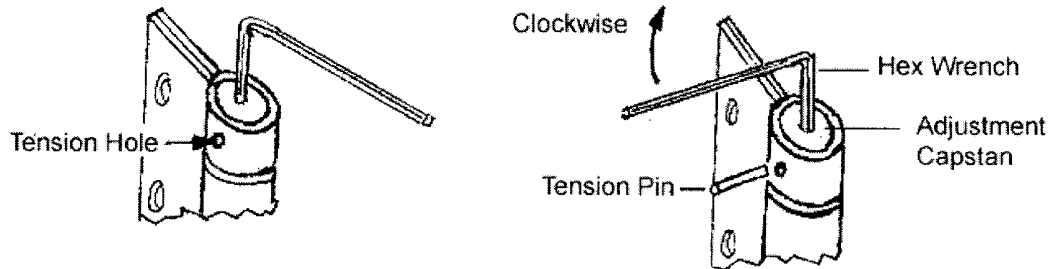


FIG. 2

Different vendors adjust hinge differently in addition to pins on side some adjust as below. Always follow manufacturer instructions.



1. Hinge Installation:

- Install hinge in normal manner with the adjustment end of hinge up, as shown above.

2. Adjusting the spring torque:

- **A.** Adjust torque only after the hinge is installed and with the door in the closed position.
- **B.** Rotate adjustment capstan in the clockwise direction with Hex Wrench to adjust proper spring tension and insert Tension Pin into tension hole as shown above.
- **C.** Remove Hex Wrench and try door for closing. To achieve proper closing force, adjustment from one hole to the next in either direction by Hex Wrench as Tension Pin is removed and re-inserted.

CAUTION: Do not exceed three (3) holes tension for 180 degree door opening or four (4) holes tension for 90 degree opening. Always rotate the Hex Wrench in the clockwise direction regardless of right or left hand door operation.

Recommended Maximum Door Weight (LBS):

Hinge Selection:

3.5 x 3.5	4 x 4	4.5 x 4.5	Spring Hinges	Butt Hinges
50	60	70	1 each	2 each
70	85	115	2 each	1 each
90	110	150	3 each	NONE

Notes:

1. Wind conditions, excessive air pressure on one side of an opening, weather stripping or other adverse job conditions may require the use of all spring hinges.
2. For maximum versatility, use all spring hinges.

Maximum door size recommended: 3' 0" x 7' 0"