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MINI DOOR INSTALLATION INSTRUCTIONS SERIES 850

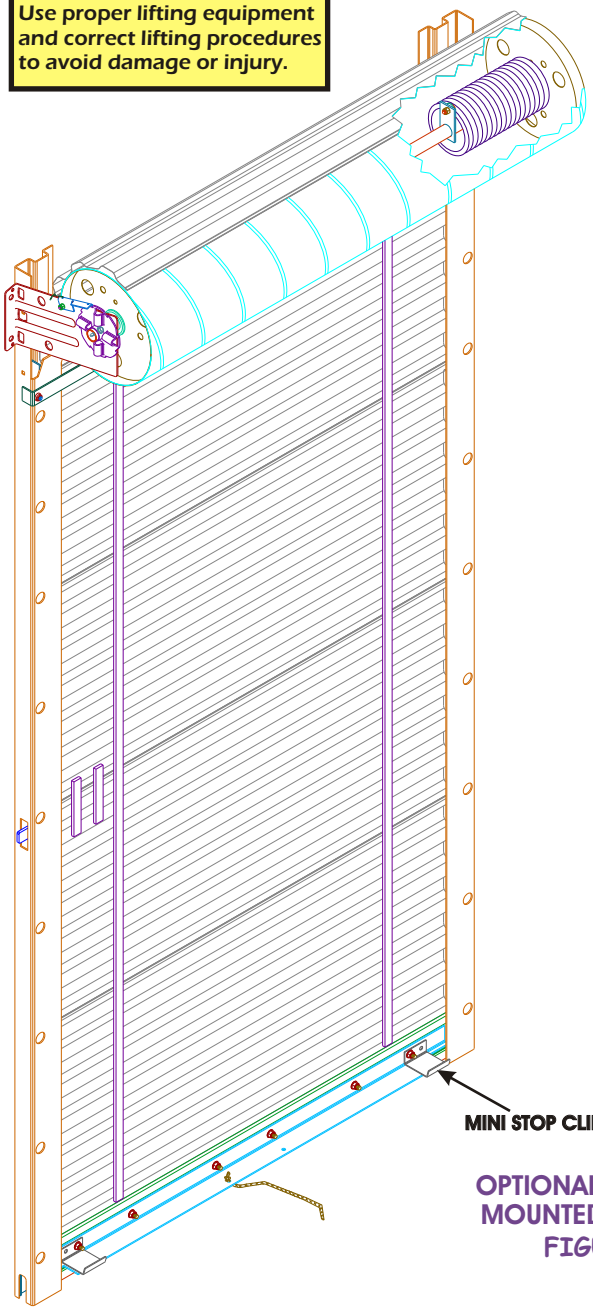
⚠ CAUTION

Use proper lifting equipment and correct lifting procedures to avoid damage or injury.

⚠ WARNING!

A rolling door is a large heavy object that moves with the help of springs under extreme tension. Moving objects and springs under tension can cause serious injuries or death. For your safety and the safety of others, follow these instructions.

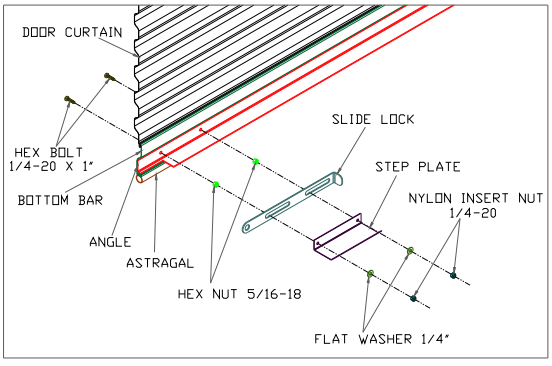
POTENTIAL HAZARD	EFFECT	PREVENTION
	CAN CAUSE SERIOUS INJURY OR DEATH	DO NOT stand or walk under moving door. Keep door in full view and free of obstructions while operating. DO NOT allow children to operate the door.
	CAN CAUSE SERIOUS INJURY OR DEATH	Installation, repairs and adjustments must be made by a trained rolling service door systems technician using proper tools and instructions. DOOR MUST BE FULLY OPENED WHEN MAKING ADJUSTMENTS.



OPTIONAL BOTTOM BAR MOUNTED SLIDE LOCKS FIGURE 1 →

TABLE 1: Wall Fasteners - for jamb attachment of Brackets and Guides

ITEM	JAMB	FASTENERS	DRILL SIZE
Brackets	Steel Concrete or Filled Block	1/4-14 x 1" TEKS Screw 3/8" x 1-3/4" Powers Wedge-Bolt	None Powers 01316
Guides	Steel Concrete or Filled Block	1/4-14 x 1" TEKS Screw 3/8" x 4" Powers Wedge-Bolt	None 3/8" x 10" O.A.L.



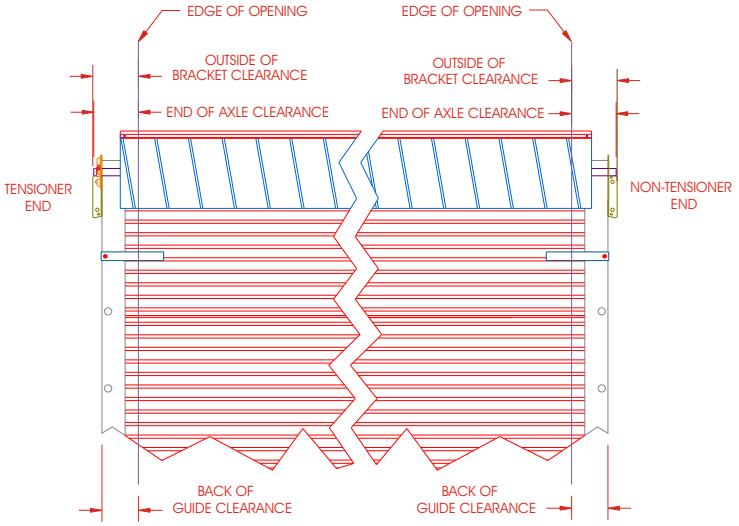
IMPORTANT NOTE: Do not cut tape and plastic wrap that holds the door in a roll until you are directed to do so in step 6B. Janus International Corporation cannot guarantee or accept responsibility for doors that are not installed as directed. Please read and understand all instructions before beginning the installation process.

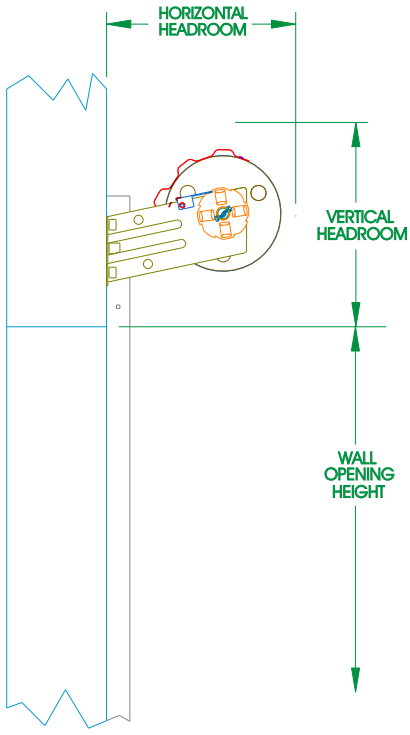
CLEARANCE CHARTS FIGURE 2

SIDE ROOM REQUIRED*

	GUIDE	OUTSIDE OF EACH BRACKET LEG	EACH END OF AXLE
STEEL JAMBS	4-1/2"	5-3/4"	5-5/8"
CONCRETE/FILLED BLOCK JAMBS	5-5/8"	6-7/8"	6-5/8"

*Dimensions are taken from edge of opening





HEADROOM REQUIRED

OPENING HEIGHT	VERTICAL HEADROOM	HORIZONTAL HEADROOM
THRU 7'-4"	15-1/2"	17"
OVER 7'-4" THRU 8'-8"	16"	17-1/2"
OVER 8'-8" THRU 10'-0"	17"	18-1/4"

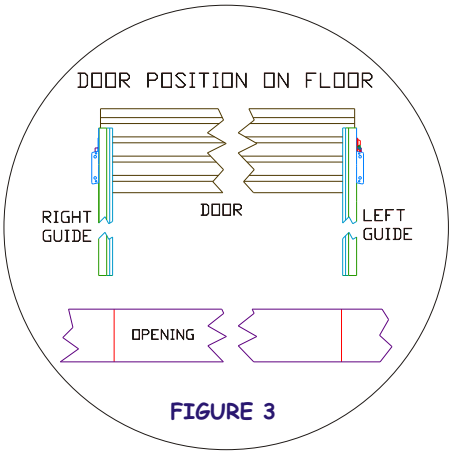


FIGURE 3

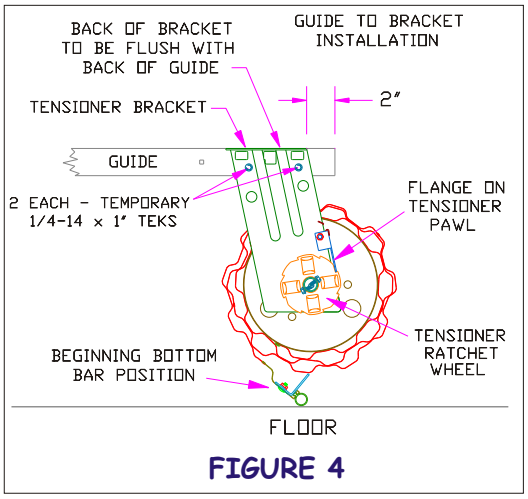


FIGURE 4

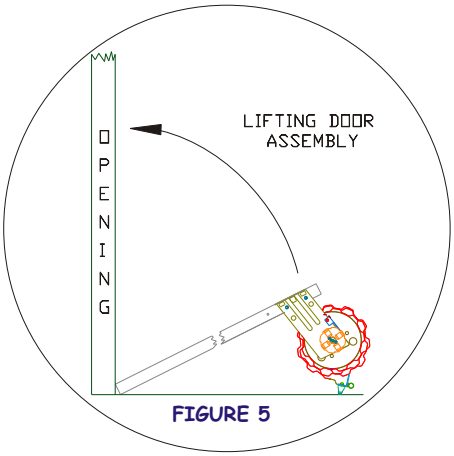


FIGURE 5

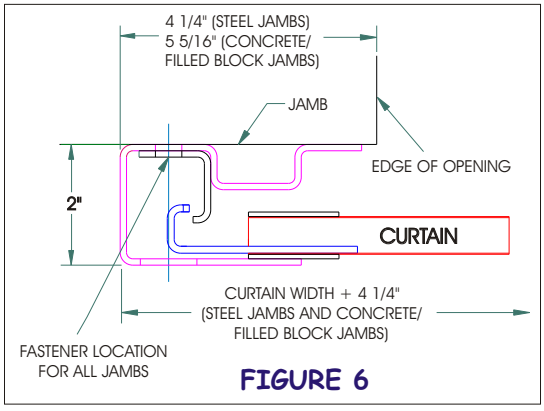


FIGURE 6

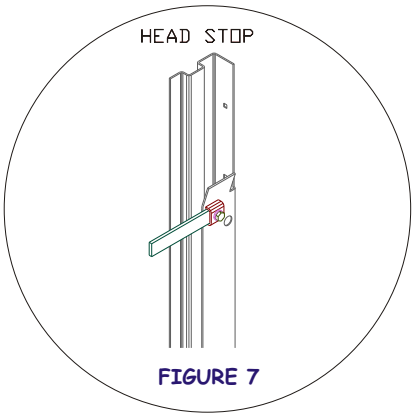


FIGURE 7

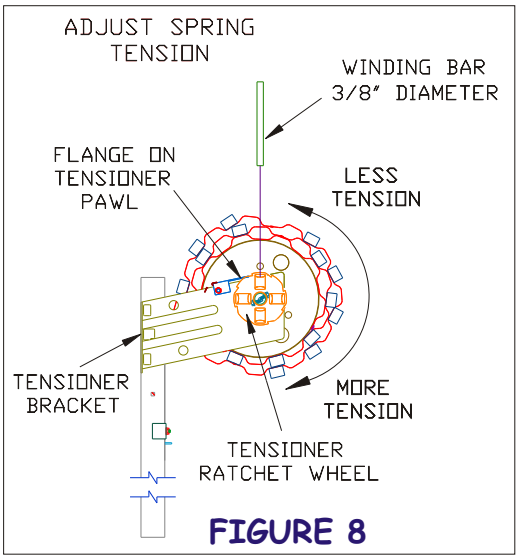


FIGURE 8

STEP 1: WALL OPENING

A. Check wall opening width and height and verify these measurements against size of door to be installed.
B. Verify that jambs are plumb.
C. Check floor and header for level.
D. Check for adequate side clearance at jambs and clearance above and at sides of header. See clearance charts figure 2 for minimum requirements.
E. Verify that the guide mounting surface on the jamb is flush.
F. Make sure all parts required for installation are with the door.

STEP 2: POSITION DOOR AND PARTS

A. Make sure floor is clean in order to prevent damage to curtain.
B. On inside of building, place left guide on floor perpendicular to opening with guide bottom close to the left jamb and the top toward inside of building. Do the same with the right guide to the right jamb. See figure 3.
C. Place door on floor at top of and between guides. Rotate door as necessary to locate bottom bar against floor. See figures 3 and 4.
D. Distribute hardware parts to appropriate areas.

NOTE: Brackets, tensioner, spring(s) and curtain mounted latch are pre-assembled to the door at the factory. Do not remove.

STEP 3: GUIDES TO BRACKETS INSTALLATION

A. Break off the 3 hook tabs from both brackets.
B. At tensioner end of door, lift flange on tensioner pawl until end of the pawl clears the tensioner ratchet wheel. Rotate bracket in order to position short leg end upward. Release flange on pawl and allow end to engage with the nearest tooth on the ratchet wheel. See figure 4.
C. Position the top, back edge of bracket 2" from top of guide, with back of bracket flush with back of guide. Clamp together and temporarily install 2 each 1/4-14 x 1" TEKS screws through side of bracket into guide.
D. Repeat step 3C for other bracket and guide. This bracket will require being held in position.

STEP 4: GUIDES AND BRACKETS TO JAMB

A. Brackets and guides will be attached to jambs using fasteners shown in table 1.
B. The guides should be mounted centered about the opening and spaced curtain width + 4-1/4" apart measured from back of guide to back of guide. See figure 6. Both guides must be plumb.
C. The appropriate fastener must be installed at each hole location in brackets and guides. See table 1.

⚠ WARNING!

Door can fall if both brackets are not securely fastened to the jambs. All fasteners attaching brackets to jambs must fit securely into a structural member or surface. If door falls, serious injury or death and/or damage to door can result.

STEP 5: LIFTING DOOR ASSEMBLY

A. Move door and guide assemblies toward wall opening with bottom of guides resting next to jambs.
B. Lift door assembly evenly, pivoting around bottom of guides. See figure 5.
C. Attach brackets and guides to jambs, according to step 4.
D. After brackets have been securely attached to jambs, remove the 2 each temporary 1/4-14 x 1" TEKS screws that were installed in step 3C.

⚠ WARNING!
Two installers are required to lift door assembly into position against jambs. The guides are not designed to support the curtain weight during a one man installation. Attempting to make installation with only one installer can result in serious injury and/or damage to door. Do not leave door unattended until it is securely attached to jambs.

NOTE: Welding of guides to the jambs is not recommended.

STEP 6: SETTING SPRING INITIAL TENSION

⚠ WARNING!
Extreme spring tension can cause serious injury or death. Installation, repairs and adjustments must be made by a trained rolling service door systems technician using proper tools and instructions. Door must be fully opened when making adjustments.

A. Rotate door 1-1/2 revolutions in the direction that would send the bottom bar down through the guides.
B. While firmly holding the door at the bottom bar, cut the tape and plastic wrap that holds the door in a coil. Direct the bottom bar down into the guides, stopping just past the head stop area.

STEP 7: HEAD STOPS

A. Place head stop over outside of each guide. See figure 7.
B. Secure with 1/4-20 x 1/2" carriage bolt and 1/4-20 serrated flange nut. Install carriage bolt from inside of guide.

STEP 8: MINI STOP CLIPS, HANDLE(S) AND PULL ROPE

A. Install mini stop clip at each end on inside of bottom bar using existing single 1/4-20 x 1/2" carriage bolt.
B. Install handle(s) on outside of bottom bar using 1/4-20 x 1/2" carriage bolts.
C. Install rope in one of the holes at the center of the horizontal leg of the bottom bar angle.
OPTIONAL: BOTTOM BAR MOUNTED SLIDE LOCKS - SEE FIGURE 1 FOR INSTALLATION.

STEP 9: CHECK DOOR OPERATION

A. Lower and raise the door to test the door balance.
B. If door is easy to close, but hard to open; increase spring tension.
C. If door is hard to close, but easy to open; decrease spring tension.

STEP 10: ADJUST SPRING TENSION

⚠ WARNING!
DOOR MUST BE FULLY OPENED WHEN MAKING ADJUSTMENTS.

A. Place 3/8" diameter winding bar in tensioner ratchet wheel. See figure 8.
B. Rotate winding bar in the down direction to increase spring tension. Each engagement of a tooth equals 1/8 turn.
C. To decrease spring tension, pull down slightly on winding bar until pawl disengages tooth. Lift flange on pawl and move winding bar up until past the pawl/tooth engagement. Allow pawl to rest on ratchet wheel and continue moving winding bar up until the pawl is fully engaged with the tooth.
D. Remove winding bar and operate door.
E. Repeat steps 10A through 10D as necessary.

NOTE: Latch slide slot in the guide may require adjusting after door installation due to variances in manufacturing and/or site conditions.