WARNING

Read manual thoroughly prior to installing door. Rolling steel doors are large, heavy objects that move with the help of springs under extreme tension. Since moving objects and springs under tension can cause injuries, your safety and the safety of others depends on you reading and following the information in this manual. Check your work prior to operating door.

<table>
<thead>
<tr>
<th>POTENTIAL HAZARD</th>
<th>EFFECT</th>
<th>PREVENTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>MOVING DOOR</td>
<td>Can Cause Serious Injury or Death</td>
<td>Keep people clear of door opening while door is moving. Get help or use support when lifting door into place.</td>
</tr>
<tr>
<td>EXTREME SPRING TENSION</td>
<td>Can Cause Serious Injury or Death</td>
<td>Installation, repairs, and adjustments must be made by a qualified door mechanic using proper tools, methods and instructions. Before winding torsion spring, make sure door is fully open and curtain is wrapped and secured on barrel.</td>
</tr>
</tbody>
</table>

NOTE!

DO NOT CUT BANDS which hold door in a roll. You will be told at a later time exactly when to cut bands. No guarantee will be given or responsibility accepted by Trac-Rite Door, Inc. if door is not installed as instructed. For proper operation, follow instructions given.

CAUTION

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

314 Wilburn Road, Sun Prairie, WI 53590
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Web Site: www.tracrite.com
E-mail: tr@tracrite.com

This Manual MUST Be Left with the Owner.
Prior to beginning door installation, thoroughly read the instruction manual in its entirety. Please contact Trac-Rite with any questions at 800-448-8979. Answering questions up front will greatly reduce installation mistakes.

1. GENERAL:
The following terms are defined as:
Warning - serious personal injury or death can result from failure to follow instructions.
Caution - minor injury or property damage can result from failure to follow instructions.
Note - special attention should be given.

NOTE!

1) Do not install this rolling steel curtain door unless you read and understand the installation instructions!

2) DO NOT CUT THE BANDS which hold the door curtain in a roll! This is performed once the door has been hung in the opening.

3) DO NOT REMOVE WHITE FELT TAPE on the inside of the door curtain. It is a door component, NOT packaging material.

2. INSPECTION:
2.1 Door and Hardware: Upon receiving the door shipment, immediately inspect the door and hardware for damage. Verify the product received with the packing list. Damages and/or shortages should be reported immediately to Trac-Rite Customer Service at 800-448-8979 or tr@tracrite.com. Please have your bill of lading and packing list with you when reporting shortages or damage. Do not install damaged material without authorization from Trac-Rite.

2.2 Door Width Verification: The door curtain width should measure 3" greater than the framed opening width.

2.3 Framed Opening Verification:
- Proper size dimensionally?
- Opening square? Plumb?
- Is the jamb structurally/dimensionally adequate?
- Confirm clearances? (Reference Figure 1)

3. JAMB PREPARATION:
3.1 Are the jambs structurally and/or dimensionally adequate to accept door brackets and guides? **Trac-Rite is not responsible for the structural integrity of the jamb itself!**

3.2 Narrow Jamb Application: Narrow jamb plates are available, for situations in which the jamb is not wide enough for bracket mounting. This condition should be made known at the time of order so the proper hardware is included. (See Figure 2).

Narrow jamb plates are not designed to strengthen the jamb! Used in combination with proper structural support, they will aid in locating the door brackets properly.

WARNING

Do not use model 944 hardware on model 955WL doors. It is not structurally adequate. If door falls, serious injury and/or damage to door can result.

3.3 **Trac-Rite does not supply mounting fasteners for concrete or concrete masonry jambs.** Fasteners for metal and wood jambs provided by Trac-Rite.
- Door bracket to jamb fasteners must be 3/8" in diameter and constructed of ASTM A-307 steel or greater.

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**RECOMMENDED INSTALLATION CLEARANCES**

<table>
<thead>
<tr>
<th>OPENING HEIGHT</th>
<th>A</th>
<th>B</th>
<th>C WOOD/STEEL</th>
<th>C MASONRY</th>
<th>C CHAIN HOIST</th>
<th>C MOTOR OPERATOR</th>
</tr>
</thead>
<tbody>
<tr>
<td>UP TO 9'-0&quot;</td>
<td>20&quot;</td>
<td>22&quot;</td>
<td>5&quot;</td>
<td>7&quot;</td>
<td>9&quot;</td>
<td>22.0&quot;</td>
</tr>
<tr>
<td>9'-0&quot; TO 14'-2&quot;</td>
<td>21&quot;</td>
<td>23&quot;</td>
<td>5&quot;</td>
<td>7&quot;</td>
<td>9&quot;</td>
<td>22.0&quot;</td>
</tr>
</tbody>
</table>

* ADD 1" TO A AND B FOR INSULATED DOORS.

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**WARNING**

Improper installation of anchoring devices or installation into unsound material may result in premature product wear, product failure, property damage or serious personal injury.

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**NOTE!**

1) Do not install this rolling steel curtain door unless you read and understand the installation instructions!

2) DO NOT CUT THE BANDS which hold the door curtain in a roll! This is performed once the door has been hung in the opening.

3) DO NOT REMOVE WHITE FELT TAPE on the inside of the door curtain. It is a door component, NOT packaging material.

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**Figure 1.**
3.4 Pre-drill jambs to accept door brackets; 7/16\" diameter holes for 3/8\" nuts and bolts in steel jambs, proper size pilot hole for 3/8\" lag bolt in wood jambs. Hole locations are shown in Figure 3. Do not pre-drill jambs for door guide installation. 

NOTE: Door must be hung level to ensure proper tracking.

4. BRACKET AND GUIDE ASSEMBLY:
4.1 Position the door in the opening as shown in Figure 5. Be sure to place the door on protective material to prevent damage to the curtain.

4.2 Slip the axle end through the bearing in the door bracket. Rotate the tension release pawl to allow the tension adjustment wheel to slide pass. Install the second steel washer onto the axle and secure with a cotter pin through the hole in the axle end to keep the door bracket in place (omit washer if it blocks cotter pin hole). Repeat on other end if the door has two springs (See Figure 6).

5. HOIST DOOR INTO OPENING:

WARNING
Do NOT allow personnel to ride on forklift or other hoisting equipment being used to lift the curtain assembly into position. Do not permit any persons to climb on ladders near the curtain assembly while it is being hoisted. Should the curtain assembly slip it can cause SERIOUS INJURY or DEATH to persons standing on ladders or riding on lifting equipment.

5.1 Utilizing a safe method (fork lift, block and tackle, etc.), hoist the door up into the header section of the opening and fasten the door brackets to the jambs.

6. GUIDE POSITIONING:
6.1 Position the guides against the jambs according to the clearance shown in Figure 7. Loosely fasten the guides to the jambs using a fastener in the top hole only. Guides will need slight adjustment, therefore DO NOT install the remainder of the fasteners until the adjustment is true. Level one guide, then loosely install a second fastener in the bottom hole.
(If mounting to masonry, install clips provided as shown in Figure 8. Align the clips with the holes along the length of the guide and flush with the back of the guide. Anchors by others).

Note: If installing exterior handles, the door will block part of the finished opening for the door.

**CAUTION**

Care must be taken that the door does not spin around free as this may cause personal injuries and damage door curtain. DO NOT grab the springs or unbolt the springs while there is any tension on the door as this may cause personal injuries.

**WARNING**

Immediately install keepers and tighten door stops. These devices will prevent the door from rolling up and out of the guides.

7. **PRE-TENSIONING & TOP STOP ASSEMBLY:**

7.1 Install the track bolts, door stops and whiz nuts in each side guide as shown in Figure 9. Do not tighten at this time. Note there are three holes for the top stops - use the lower two holes if exterior door handles will be installed and use the upper two holes if no exterior handles will be installed. Both top stops will need to be in the same set of holes on each side of the door for proper operation.

7.2 Bend the guide tabs out slightly (about 1/4”). (Figure 10) Standing inside the opening looking out, place your hand on top of the door and push away from you rotating the door nest. (Figure 9) For doors 6’-1” tall or shorter with one spring, rotate the door nest 3 2/3 to 4 revolutions. For doors taller than 6’-1”, rotate the door nest 2 complete revolutions. (Note: if the door is equipped with a chain hoist, it can be quite helpful in door pre-tensioning. Please reference Section 10 Operators). Hang on to the door bottom assembly, carefully cut the bands, move the door stops aside to let the door into the opening. Feed the door curtain into the guides, pulling it down to about waist level.

7.3 Attach the two keepers to the bottom interior edge of the door using the installed 1/4” carriage bolt and whiz nut. (See Figure 10).

7.4 Tighten door stops installed in paragraph 8.1 making certain track bolts are seated in guides. (See Figure 10)

8. **GUIDE ADJUSTMENT:**

8.1 With the door approximately 6” from the floor, adjust the guides so when grabbed by the bottom assembly, the door moves laterally approximately 1/4”. Once the guides are adjusted properly, install and tighten the remaining fasteners.

8.2 Attach guide warning label (shown in Figure 10) to the guide at eye level.

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10. LIFT CLIP INSTALLATION:
10.1 If your door is equipped with an exterior latch, install the lift clip on the exterior of the door as shown in Figure 13. Replace the stainless steel bolt with the longer 5/8" bolt supplied.

11. OPERATORS:
11.1 Manual operation — Pull Rope Handle: Tie a knot in one end of the rope. Slide the plastic handle onto the rope and pull the knot up into the handle. Pass the other end of the rope through the hole in the center of the bottom edge of the door and tie another knot in the end to keep the rope from pulling through.

11.2 Direct-drive operator — Direct drive chain hoists can be installed on either side of the door, prior to or after the door is hung (although there may be clearance limitations). Please reference Figure 14 for specifics.

11.3 Reduced-drive operator — 4:1 chain hoist installation as shown in Figure 15.
11.3.1 Align hole in shaft extension with axle hole and fasten with 1/4" shoulder screw and nylon insert stop nut.
11.3.2 Assemble onto shaft extension as shown, making certain 41B36 sprocket is aligned with the sprocket on the hoist body and the 1/4" x 1/4" key is in place. Tighten all set screws.
11.3.3 Attach wall "L" bracket to main hoist body using either supplied self tapping screw or bolt and nut supplied using an existing hole in the case. This will hold the hoist level and

9. INTERIOR LATCH INSTALLATION:
9.1 Position door at waist level.
9.2 Assemble components as shown in Figure 12, making certain that two (2) high collar lock washers are placed over each 1/4" one-way screw to allow the lockbar to slide freely.
9.3 As the 1/4" screws are being tightened, move the lockbar to assure that the high collar lock washers are inside the slots in the lockbar.
9.4 Mount the lock strike to the bottom of each guide as shown with two (2) 1/4" carriage bolts and jam nuts through the pre-punched holes.
keep it from swinging during operation. Secure “L” bracket to wall.

11.3.4 Feed hand chain through and around pocketwheel. Shorten chain so it does not lay on the floor, (1" to 3" off floor is ideal). Close chain, making certain there are no twists in the chain.

11.3.5 Install roller chain around sprockets with connecting link provided.

11.3.6 Attach chain keeper clip to wall (4’ to 5’ above floor).

12. TENSION ADJUSTMENT SYSTEM USE:
12.1 Both sides of two spring doors should be adjusted to the same tension.
12.2 To remove tension, insert winding bar into tension wheel and move down 1” to unlock ratchet. Push tension lock pin toward wall and raise winding bar 2”. Release tension lock pin. Move up 1/8 turn until ratchet locks in place.
12.3 To add tension, insert winding bar and move down until ratchet clicks after 1/8 turn. Move up slightly until ratchet locks in place. (See Figure 16).

13. OPTIONAL FIELD INSTALLED DRAFT STOP OR BRUSH SEAL:
13.1 Place the door in the closed position before installing

Components under extreme spring tension can cause SERIOUS INJURY or DEATH. Adjustments and repairs must be made by a qualified door mechanic using proper tools and instructions. Do NOT attempt to adjust door tension unless the door is in the “UP” position and “LOCKED” in place. Winding bar should be solid steel 1/2” dia. rod or 3/8” X 1/2” flat.

If door is properly tensioned it will lift off the ground to about waist height. It should go up the rest of the way with minimal lifting pressure. DO NOT over tension springs!

13.2 Place the door in the closed position before installing the brush seal. Position brush seal so that it just touches the valley portion of the curtain. (See Figure 17). Fasten brush seals to jamb every 12 inches with appropriate fasteners.

14. MAINTENANCE
14.1 INSPECTION: Visually inspect the entire door monthly for general cleanliness and ease of operation.
14.1.1 Inspect the guides and curtain for wear and/or accidental damage.
14.1.2 Inspect all fasteners and anchor bolts for loose, damaged or missing parts.
14.1.3 If door is equipped with a chain hoist mechanism, inspect it for missing parts.
14.2 CLEANING: No specific cleaning procedures are required for your Trac-Rite rolling door. Clean as needed following good housekeeping practices.

14.2.1 Periodically clean any accumulated dirt from guides; remove any debris from the guide channels at the floor.

14.3 LUBRICATION: Lubricate the following every six months, or more often in dusty and/or wet operating environments.

14.3.1 Spring(s)(OPTIONAL): Close the roll-up door so that door springs are visible. With an oil pump can, pump a bead of oil across the length of each spring. Operate the door several times. The oil will work its way around the spring to help reduce friction.

14.3.2 Guides: Open the door. Spray silicone spray, Pledge™, or Zep 45™ onto the door guide runners and inside the guide.

14.3.3 Lock: Spray the slide lock with silicone spray or Pledge™, to promote smooth lock operation.

14.3.4 Chain Hoist Parts: Apply a small amount of oil to roller chain.

15. REPLACEMENT PARTS
Part No. Description

Locks:
521226 Interior Lock Package
601811 SpaceGuard Latch Package
502705 SpaceGuard Cam Lock
502721 Lock Out Key

Hardware:
603922 Bracket, Right Hand
603932 Bracket, Left Hand
502680 42” Rope (8’ - 10’ tall)
508840 72” Rope (10’ - 12’ tall)
508841 90” Rope (over 12’ tall)
605000 Steel Jamb Package

Springs:
600961 RH, 3.375” ID, 0.283 wire, 62 coils, 19.50”
600971 LH, 3.375” ID, 0.283 wire, 62 coils, 19.50”
600982 RH, 3.375” ID, 0.306 wire, 68 coils, 23.00”
600992 LH, 3.375” ID, 0.306 wire, 68 coils, 23.00”
600987 RH, 4.50” ID, 0.331 wire, 63 coils, 22.13”
600997 LH, 4.50” ID, 0.331 wire, 63 coils, 22.13”

Miscellaneous:
502297 Seal-Rite Bulb Seal
521261 Felt Tape, 2”
502061 Guide Runner
502520 Draft Stop
504300 Touch-up Paint, Evergreen
504301 Touch-up Paint, Sunset Orange
504302 Touch-up Paint, Polar Blue
504303 Touch-up Paint, Royal Blue
504305 Touch-up Paint, Desert Tan
504306 Touch-up Paint, Continental Brown
504307 Touch-up Paint, Garnet
504308 Touch-up Paint, Iced White
50430A Touch-up Paint, Cedar Red
504323 Touch-up Paint, Bright White
504325 Touch-up Paint, Shale
504325 Touch-up Paint, Shale

Operators:
600550 Direct-Drive Chain Hoist
603911 Reduced-Drive Chain Hoist
600531 Shaft Extension Kit
625300 MJ 1211 Commercial Operator