
RACK LOCK MANUAL

INSTALLATION • MAINTENANCE • PARTS



This manual MUST be left with the owner

Thank you for purchasing Trac-Rite's Rack-Lock pallet security system. The following is an instructional guide to take you through the steps of installing your product. Be sure to read and understand this entire installation manual including the warnings, cautions, and notes before starting the installation of your new Trac-Rite door.

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.



WARNING

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 instructions in this manual. Check your work prior to operating door.

POTENTIAL HAZARD	EFFECT	PREVENTION
MOVING DOOR	Can Cause Serious Injury or Death	Keep people clear of opening while door is moving. Get help or use support when lifting new door into place.
EXTREME SPRING TENSION	Can Cause Serious Injury or Death	Installation, repairs, and adjustments must be made per the instructions provided by Trac-Rite. Before winding torsion spring, make sure door is fully open and curtain is wrapped on barrel. Spring repair/replacement should be performed only by a qualified door mechanic.



WARNING

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. Winding bar should be solid steel 1/2" diameter rod or 3/8" x 1/2" flat.



CAUTION

Spring Tension is Critical: Improper tensioning of the spring(s) can result in door damage and reduce the life of your door. The door should not slam up or down during operation. No warranty claims will be honored due to damage caused by improperly tensioned spring(s).

Proprietary Notice

Information contained in this document is copyrighted by Trac-Rite and may not be duplicated in full or part by any person without prior written approval of Trac-Rite. Its purpose is to provide the user with adequate detailed documentation to efficiently install a Rack-Lock pallet security system.

For Customer Support:

Please Call: 1-800-448-8979 ext. 3214

INSPECTION:

Door and Hardware: Upon receiving the door shipment, immediately inspect the door and hardware for damage. Verify the product received with the packing list. Damage and/or shortages should be reported immediately to Trac-Rite customer service at 800-448-8979, ext. 3214. Please have your bill of lading and packing list to reference when reporting shortages or damage. Do not install damaged material without authorization from Trac-Rite.

PREPARATION:

Clean the work area. Remove all debris and sharp objects from the area where the door will be placed on the floor. Sweep the area clean. It is also recommended that the door curtain assembly be placed on a piece of cloth or cardboard to help ensure that the finished door surfaces will not be damaged while the door is being prepared for installation.

RECOMMENDED TOOLS FOR ASSEMBLY:

- Wrenches or sockets 7/16" and 1/2" sizes
- Drill or screw gun
- #2 square drive bit, min of 4" long
- 3/8" drill bit
- 1/2" drill bit
- C-clamps or vise grips
- Pliers
- Standard wrenches
- Mallet
- Safety glasses
- Work gloves
- Pliers
- Tape measure
- Marker
- Tin snips
- 2' level
- Appropriate height ladder(s)

PARTS LIST

Some component part numbers contain a color or length code which varies by order. In the part numbers below, YY represents a color code, while XXXXX represents a length or height code (for example 07200 signals a 72" part).

Corner jambs	96604XXXXX
Midbay jambs	96606XXXXX
Double jambs	96605XXXXX
Upper door mount - right	9661100002
Upper door mount - left	9661100001
Lower door mounts - right	9661100004
Lower door mounts - left	9661100003
Guide - right	96601XXXXX
Guide - left	96602XXXXX
Header	96603XXXXX

Security corner trim	96609XXXXX
Security side/back panel	28YYXXXXX
Door nest	(part # varies)
Door stops	502594
Door keepers	502592
Door bracket - right	9661000006
Door bracket - left	9661000005
Handle	502589
Plastic pull	502585
Rope	508840
Washers	506613

NOTE

The fastener kit is designed to work with multiple products, therefore you may receive unneeded fasteners. Be sure to use only the fasteners specified in each step of these instructions.

INCLUDED FASTENERS

ACTUAL SIZE PHOTO	DESCRIPTION AND PART NUMBER	TYPICALLY USED FOR
	Security bolts, 4" long 96610000007	Corner jamb to pallet rack connection
	Security nut 96610000015	Corner jamb to pallet rack connection
	Hex head bolt and nut 1/2" x 4" 966100000008 bolt 966100000009 nut	Fastens mounts to pallet rack
	Self-drilling tec screw #10 - 16 x 3/4" (sq drive) 966100000011	Fastens security panels, door guides, jambs and center trims
	Track bolt and whizlock nut 5/16 - 18 x 3/4" 502961 bolt, 625053 nut	Fastens guide to bracket and door stops to bracket
	Track bolt and whizlock nut 1/4 - 20 x 3/4" 502882 bolt, 502910 nut	Fastens keeper to bottom bar
	Cotter pin 3/16" x 2" 502960	Secures door axle to door brackets

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PALLET RACK ASSEMBLY:

Assemble the pallet rack per the rack manufacturer's instructions, installing any adjustable shelving supports at the desired height. Leave the actual shelves out to allow for room to work inside the unit.

1. Position the door in front of the rack, oriented in the position as shown as to unroll into the guides when assembled. Locate the door brackets, upper mounts, two 5/16 - 18 track bolts, matching nuts, large washers, and cotter pins.

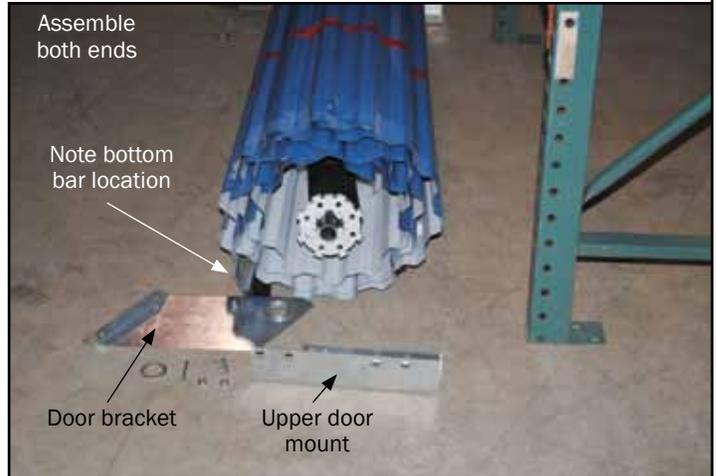
CAUTION!

This manual depicts a door which has been installed and removed, therefore the original factory bands have been replaced with tape. Do not cut the bands around your door until instructed to do so.

2. Slide the door brackets over the axle. Add a large washer if space allows, and secure with a cotter pin.



3. Attach the upper mounts to the door brackets using two 5/16 - 18 track bolts.





4. Lift the door assembly into the rack, and position under the top cross arm of the pallet rack.



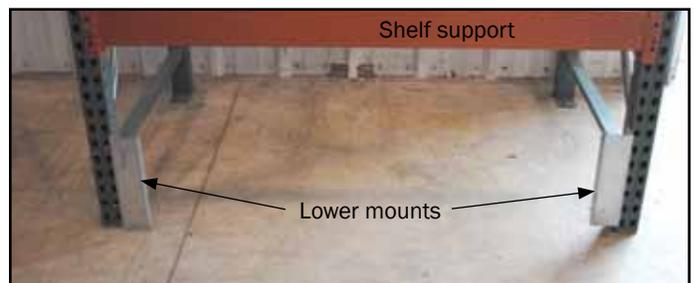
5. Align the holes on the upper mounts with a set of holes in the rack and loosely secure with 4" hex bolts and nuts. These bolts will be tightened further in step #14.



Select a mount height to line up with two of the three holes.



6. Select height for the lower mounts that intersects with two of the three holes in the guides and does not interfere with the location where you wish to install the lowest shelf support. Fasten the lower mounts to the rack frame with 4" hex bolts and nuts.



7. Install the door guides, fastening to the top mount, securing with only one tek screw. Tek screws should be driven through the back of the door guide. Access the back of the door guide is provided through prepunched holes in the front.



8. Locate the keepers, door stops, and fasteners, as well as 1/2" and 7/16" wrenches in preparation to tension the door.



WARNING

Care must be taken to secure door so it does not spin around free, as this may cause personal injuries and damage to door curtain. Door is free to spin until door stops and keepers are installed.

9. Add tension to the door springs by rotating the door two times in a "closing" direction. Hold the door tightly until stops and keepers are installed.





10. Holding the door securely so that it does not unwind, cut the bands and feed the door into the guides. The top edges of the guides should be bent into the rack to allow for smooth operation.



	WARNING
<p>Immediately install keepers and door stops. These devices will prevent the door from rolling up out of the guides and possibly causing injury.</p>	

11. Fasten the door stops to the upper mounts using two 5/16" - 18 track bolts on each side.



12. Attach door keepers to each end of the door's bottom bar using the 1/4" - 20 carriage bolts.



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13. Adjust the guides as needed to provide equal play on each side (approximately 1/4" space), then fasten the guides to the lower mounts through the two access holes intersecting the lower mounts.



14. Tighten the loosely installed bolts from step #5 connecting the upper mounts to the rack. (not pictured here)



15. The latch side jamb must be notched to allow room for the latch to slide closed. Measure from the floor to the bottom of the latch opening.



16. Identify which end of the jamb will be on the floor,



and transfer the measurement from the floor.

17. Starting with this measurement, mark an area on the smaller flange 2" tall by 1 1/2" wide.





18. Cut the upper and lower extents of the area, and fold the flap inward or cut it out entirely.



19. If Trac-Rite's optional side and back of rack closure system or other side closure material will be installed, add it at this time.

19.1. To install Trac-Rite's optional ribbed panels, total the height of all 20" panels that will be installed, plus one inch, and mark this height on the side of the rack. For example, a 12' tall rack uses seven 20" panels. $(7 \times 20) + 1 = 141$ inch height.

19.2. Position the upper edge of the top panel at the mark, with the hook of a hem facing into the rack. Check for level and fasten to the rack through the upper corners of the panels with square head tek screws.



19.3. Hang the remaining panels using the "hooks" but do not fasten yet. Slide them in to place from the side. With all panels in place, the bottom edge should hang just above the floor.

19.4. Pull the bottom edge of the bottom panel tight to the floor and fasten at the lower corners. Add additional fasteners, 2-4 per panel, to secure the remainder of the panels to the rack.



19.5 If side panels are used to separate a secure rack from an unsecure rack, fasten the panels with tek screws to the interior of the secure rack. Use a tin snips to create notches for the rack's horizontal supports. Use 6 screws per panel.



20. Position the corner jamb, with the notched flange lined up to the door latch cutout on the guide.

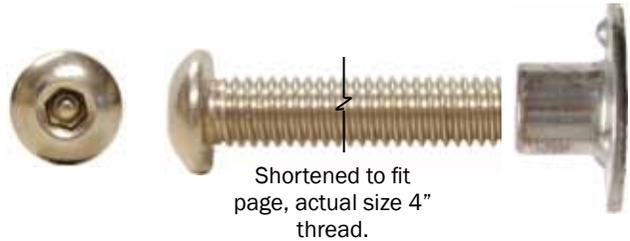
21. Locate the pilot holes inside the door guides against the jambs, and fasten all but the top 2' using tek screws - the top will be fastened after the header is installed in step 25.





22. To install the corner jamb security bolts, 1/2" holes must be drilled. Select locations approximately 1-2' from the top and bottom of the rack, and insert the drill bit through the rack to drill through the corner jamb.

23. Insert a security bolt through the hole from the exterior, and secure with a flange nut in the interior.



24. If multiple bays are to be enclosed with the Rack-Lock system, install neighboring rack mounts, door and guides. Center jambs may then be installed between the guides of the adjacent racks. Fasten with tek screws through the prepunched holes within the guides.



25. Headers may be installed after jambs are installed on both sides of a door opening. Slide the header into the gap between the guides and jambs. Secure it with tek screws from both above and below the header. Install tek screws in the remaining guide holes to fasten the guide to the jamb.



26. If Trac-Rite's side and back of rack closure system or other closure materials will be used, install now. If using Trac-Rite's rear panels, install them using the same procedure as the side panels.



27. Position and fasten the rear corner trims (included with the optional side and back of rack closure system). Tek screws may be used as a temporary fastener. For a permanent and more secure attachment, install security bolts as was done during corner jamb installation.

