

The Rasco Overhead Security Door System Operation & Maintenance Manual

Product Description:

The Rasco Overhead Security Door System is designed to ventilate any commercial facility, while eliminating the problems that occur when overhead loading dock doors are left open. The Security door provides security, while eliminating entrance by unauthorized people, birds, and rodents. It also acts as a deterrent for employee theft.

The Rasco Overhead Security Door System is added to the existing overhead door's track system. Using the existing door's lower vertical track, we add a track switch mechanism at the top of the opening, a second set of upper tracks, and a sectional door of expanded metal. The unique track switch design allows for the independent use of The Security door and the existing overhead door, without manual intervention. A dual track system is also available. This configuration allows the user to lower the Security door and vary the amount of ventilation with the main overhead door.

Models:

Vertical lift, high lift, standard lift, behind rolling steel door, side sliding, and stand-alone door.

Construction:

The Rasco Overhead Security door is constructed with an aluminum frame, 10 gauge steel corners and 11 gauge galvanized steel 2" diamond fencing captivated in the frame. All hardware meets the overhead door industry standard for commercial grade usage. The door is counterbalanced by a torsion spring mounted on a torsion bar above the door. The drums provide automatic take up of the cable. The shape of the drums provide a constant counter-balance for the weight of the door as it raises and the springs unwind.

Replacement of the damaged sections is done as a sectional unit.

Replacement of section orders are moved to the front of the production queue at Rasco Industries, Inc.

Operation:

The door cannot be operated until you slide the lock out of the track and into the disengaged position. Failure to disengage the lock fully out of the track may result in the track and/or switch damage. Hold the handle and raise the door firmly and smoothly. Do not throw the door up.

Make sure the door is in the full up position and against the stops before operating the other door.

Use the rope to pull the door down in a steady manner, then lock the door in place.

Maintenance Check List

Section #1 – Main Door

1. Are the lower vertical track and main door's upper track well braced and in good condition?
2. Does the main door have stop springs in the proper position at the top of the tracks?
3. When thrown up above the door opening does the main door stay at the top, in contact with the stop spring and 7" or more above the top of the opening (switch track installations)? If the doors do not sit against the stops in the up position adjustment of the torsion springs may be necessary.
4. Are the hinges and roller bracket hinges on the main door in good condition?
5. Are all bolts and nuts on hinges and roller bracket hinges of the main door properly tightened?
6. Are the rollers on the main door in good condition?
7. Are the drums on the main door properly aligned to release cable evenly?
8. When in the down position, is the side room for the bottom section at least $\frac{1}{2}$ inch between the edge of the door and the track?

Section 2- Bug Blocker Door

9. Is the Security door's upper track in good condition?
10. Is the upper track of the Bug Blocker door reinforced with angle to the point where it is solid without any side play?
11. Does the Security door have stop springs in the proper position at the top of the tracks? If the doors do not sit against the stops in the up position adjustment of the torsion springs may be necessary.
12. Are the hinges and roller bracket hinges on the Security door in good condition?
13. Are the rollers on the Security door in good condition?
14. Are the drums on the Security door properly aligned to release cable evenly?
15. When in the down position, is the side play $\frac{1}{2}$ inch to $\frac{3}{4}$ inch between the edge of the door and the track along the entire side?
16. When in the up position, is the side play $\frac{1}{2}$ inch to $\frac{3}{4}$ inch between the edge of the door and the track along the entire side?
17. Do the Security Doors have anti-slack cables at the bottom of the door where the cable attaches to the bottom bracket (springs on the lower attach point of cables on the bottom section)? If so, are they in good condition?
18. Does the side lock need adjusting? Bent slide latches? Loose screws? Check inside of track for scratch marks, evidence of door being raised with slide lock not retracted. This will cause rollers to drop and cables to jump.

Section 3 – Switches (if applicable)

19. Is there any visual damage or excessive wear to the switch, switch paddle, or bolts?
20. Have the switches been installed with sufficient bracing to prevent any twisting or turning?
21. When toggled by hand, do the switch paddles have a crisp over center snap moving into both positions?
22. When either door is being raised and it's rollers are going through the switch, do the switch paddles remain still and locked in place without movement?

Correct or adjust any of the above conditions if needed.

Cleaning and Lubrication:

Cleaning can be done with the use of a high-pressure water hose. Occasional lubrication with a light lubricant on the track, rollers, and track switches will aid in smooth operation.

For questions or other help with operation or maintenance please contact:

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